

# THE LAB BOOK™

SUPPLIER TO THE ENTIRE FOOD AND BEVERAGE INDUSTRY

Quality Control  
Products at  
Great Prices

 **WEBER SCIENTIFIC**

2017 - 2018 CATALOG

*Handwritten signature or logo*



**Welcome to our latest Buyers Guide!**

I know you have other choices when it comes to buying laboratory supplies.

We're a full line laboratory supplier that you will actually like doing business with. More than ever we hear that the mega-sized suppliers aren't particularly focused on the specialized quality control needs of the food and beverage industries, and that their level of service is indifferent.

You have my word that we will continue to work hard to maintain your business – and most importantly – your trust.

Thanks for your continued support!

*Fred Weber*

Fred Weber  
fweber@weberscientific.com

**About the Cover:**

The image shown on the cover is a 1935 Photogravure of laboratory glassware. The photographer is John Funk (American, 1895-1964) a well known advertising photographer for the advertising agency Underwood & Underwood in the 1930's, later an art editor for various magazines.



**Weber Scientific is a full line laboratory supplier**



**Great Quality and Great Prices**

Compare and save! You'll find highly competitive "everyday low prices" throughout. And if you use a large volume of a product we encourage you to contact us and ask about our **Custom Competitive Pricing™** program.

**Comprehensive Website**

Can't find what you're looking for in this print catalog? Our website carries hundreds of additional products. We encourage you to visit [weberscientific.com](http://weberscientific.com) or contact us if you don't see what you need!



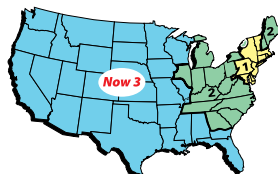
**Real-time e-Commerce**

A simple one-time account set-up is all it takes. You'll find full product information, current pricing, real-time inventory, instant order confirmation, shipment tracking, the ability to view open orders and much more.



**One-stop-shopping**

We welcome the opportunity to quote on whatever you need, promptly and at a competitive price, including a complete line of furniture. And we're also happy to cross-reference any *Thermo Fisher Scientific*, *VWR Scientific* and most other supplier item numbers.



**Free Freight Upgrades**

We ship from several warehouses across the country. This is in addition to our popular 1-2-3 Day Delivery Program. Receive your order within 1 to 3 days to any location in the continental United States at no extra cost.

**100% Satisfaction Guarantee**

Order risk free – you can't go wrong! If there is any issue whatsoever we'll fix it – guaranteed!

**Frequent Buyers Program**

One of our ways to express appreciation for your continued support.

Thanks!

*Fred Weber*

Fred Weber  
[fweber@weberscientific.com](mailto:fweber@weberscientific.com)



*p.s. I know you have other choices when it comes to buying laboratory supplies. That is why we'll continue to work so hard to maintain your business – and most importantly – your trust.*

**Order with complete confidence with our no-nonsense 100% Satisfaction Guarantee!**

If you are not totally satisfied, call our customer service department within 30 days for replacement or return authorization.

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## HOW TO ORDER FROM WEBER SCIENTIFIC



**PHONE:**  
800-328-8378  
(800-FAT-TEST)  
or (609) 584-7677



**FAX:**  
609-584-8388



**MAIL:**  
**WEBER SCIENTIFIC**  
2732 Kuser Road  
Hamilton, NJ 08691-1806



**ONLINE:**  
**weberscientific.com**  
E-MAIL: info@weberscientific.com



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## Icons of special interest

Look for these specially designed symbols that point out products of special interest:



Products which are available exclusively from Weber Scientific.



Products identified by this icon indicate only the first case — of multiple case orders — will be upgraded to UPS 3 Day Select service (where applicable). The remaining cases will ship by ground and you should receive them within 1 - 3 days of receiving your first case.



Would you like to evaluate a sample of certain products before you order? No problem ... We carry an inventory of free samples for all products identified by this icon. Simply request your desired item by Weber item number and mention that you want a sample. Samples of many other products may also be available. Please ask.



Products so identified must ship as hazardous materials (HAZMAT). We welcome you to contact our Customer Service department for additional details about HAZMAT shipping requirements and surcharge fees. In general, HAZMAT fees apply whenever shipped by either UPS or FedEx, currently \$30.00 per shipping carton for ground shipment. Air shipments require a \$42.50 fee. To avoid most HAZMAT fees, if your order contains hazardous materials that require four or more shipping cartons, we will route via common carrier, which may not have any, or have greatly reduced, HAZMAT fees. Additionally, some products identified as HAZMAT may qualify for "Limited Quantity" regulations, eliminating the need for HAZMAT fees. HAZMAT orders are exempted from our 1-2-3 Day Delivery Program.



Products ship on ice in a foam box. Shipments cannot be over weekends. There is a \$5.00 ice and box fee. The number of fees may vary based upon how much product is ordered and if it must be packed in one or more boxes. Feel free to contact Customer Service for specific details.

## Standing orders

We recommend that you place a Standing Order for those products that you regularly purchase. There are a number of reasons to consider this pre-scheduled shipping service:

- **Quantity Discounts.** A number of our products have quantity discounts. Some laboratories cannot always purchase the largest quantity at one time, space constraints being a common example. However, when you place a standing order for these specially marked products, in a quantity meeting or exceeding the largest quantity break, you can specify shipping releases of lesser quantities, but you will be eligible for the best possible pricing.

- **Availability.** We strive to always have all items in-stock. But in those rare instances when the demand for a product causes tight supply, all customers with Standing Orders always get priority shipping.
- **Lowers Your Administrative Burden.**
- **Preserves Flexibility.** Your schedule may be modified as necessary.

## Full Line Laboratory Supplier

This catalog features many of our products but we offer all your laboratory needs, from basic supplies to a fully outfitted lab, including furniture. As always, you'll find high quality at a great price. We encourage you to visit [weberscientific.com](http://weberscientific.com) or contact us if you don't see what you need!

We're also happy to cross reference ThermoFisher Scientific, VWR Scientific and most manufacturer item numbers.



Sharon Wilson  
*V.P. of Marketing and Product Development*  
800-328-8378  
[swilson@weberscientific.com](mailto:swilson@weberscientific.com)

## Custom Competitive Pricing™



You'll find our renowned everyday-value-pricing for every product. We'd be delighted to quote custom pricing – over and above our already heavily discounted or lowest quantity break prices – on these specially selected products.

Look for the Custom Competitive Pricing™ icon for products eligible for custom quoting. Please contact Weber Scientific for immediate assistance.



MaryBeth Karczynski  
*Director of Key Accounts and Market Development*  
800-328-8378  
[mkarczynski@weberscientific.com](mailto:mkarczynski@weberscientific.com)



**Ordering information.** You'll find complete information on the inside back cover.

# 1-2-3 Day Delivery Program

## Receive Your Order Within 1 and 3 Days to Any Location in the Continental United States at No Extra Cost With Our 1-2-3 Day Delivery Program.

When you order from Weber Scientific we will route it so that all (or part\*) of your order arrives at your facility within 1, 2 and never more than 3 business days. Any upgrade in the level of service over basic UPS or FedEx ground service will be done at **our expense - not yours!**

Combined with our **Same Day Shipping Pledge**, this expedited routing program will insure prompt delivery to any location in the continental U.S. — all at no extra cost.

### Here is how the 1-2-3 Day Delivery program works:


Place your order by 3:30 PM (eastern time zone) and your order will ship that very same afternoon.

Based on UPS's delivery schedule (see map) your order will be routed via basic ground service if delivery is scheduled at 3 business days or less. If the UPS delivery schedule indicates more than 3 business days, we will upgrade your order to 3 Day Select service at no extra charge to you. You pay only for basic ground or hundredweight service.

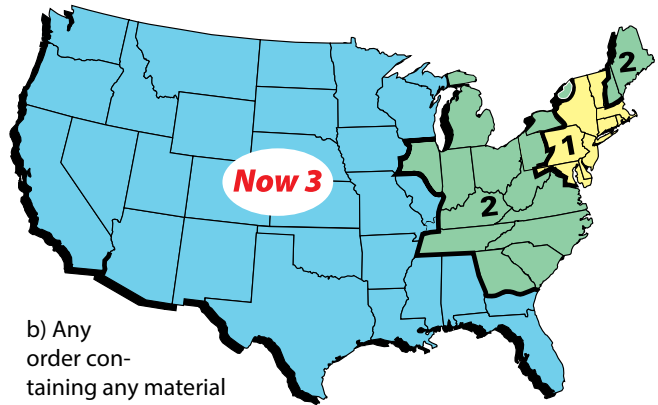
**RECEIVE FREE  
FREIGHT UPGRADES  
WHEN YOU ORDER  
FROM WEBER  
SCIENTIFIC!**


#### \*Please note that there are some required exceptions to this program.

The following types of orders require specific types of freight service that limits their participation in the 1-2-3 Day Delivery Program:

a) On a select number of items (identified by ) in our catalog, only the first case — of multiple case orders — will

be upgraded to UPS 3 Day Select service (where applicable). The remaining cases will ship by ground and you should receive them within 1 - 3 days of receiving your first case. However, if you need to receive more than one case of these specially identified items within 3 days, then let us know when ordering and we will be happy to upgrade additional cases.




b) Any order containing any material defined as a hazardous material  either by the DOT or UPS. However, when feasible, we will “split” your order so that you receive your regular lab supplies in 1, 2 or 3 days, while your hazardous items will arrive later on a separate shipment.

c) Drop ship orders from our manufacturers.

d) Hinged-lid containers that can be affected by the drop in air pressure during air transit, sometimes causing the containers to pop open.

e) Distributors are not eligible.

f) Products that ship on ice in a foam box  (see page 2 for details).

If your order is one of these specific types of exception orders, our customer service representative will notify you either at the time of order, or prior to shipment.

#### How to Calculate Delivery Days?

This can best be explained by example. Let's say you are located in California and call in an order to us on a Thursday morning. We will give it to UPS later that afternoon. The first delivery day would be Friday, the second would be Monday (weekends don't count), and Tuesday would be the third day. All of our continental U.S. customers can now expect delivery from us by Tuesday — the 3rd business day after you've placed your order — at the very latest. Many of you will still receive your order within 1 or 2 days!



**AllergenControl™ LFD Detection Kits**  
(Microbiologique)

*See page 6 for full details*



**Halo Smart Laboratory Air Filtration System** (Erlab)

*See page 10 for full details*



**BeadBlaster™ 24 Microtube Homogenizer**  
(Benchmark Scientific)

*See page 21 for full details*



**GeneReady Homogenizer**

*See page 21 for full details*



**MyFuge™ Mini Centrifuge**  
(Benchmark Scientific)

*See page 23 for full details*



**LC-8 Plus Laboratory Centrifuge**  
(Benchmark Scientific)

*See page 22 for full details*



**Calibration Weights**  
(Benchmark Scientific)

*See page 27 for full details*



**Dual Poly ProBath**  
(Revolutionary Science RS-PB-200)

*See page 26 for full details*



**AriaMx Real-Time PCR System** (Agilent)

*See page 63 for full details*



**foodproof® GMO Screening Kits**

**foodproof® Sample Preparation Kit III**

**foodproof® GMO RR 2 Yield Soya Quantification Kit**

**foodproof® GMO 35S Maize Quantification Kit**

**foodproof® Salmonella Detection LyoKit**

**foodproof® Enterobacteriaceae and Cronobacter Detection Kit**

**foodproof® StarPrep One Kit**

(BIOTECON Diagnostics)

*See pages 60-61 for full details*





**foodproof® D-Light**  
(BIOTECON Diagnostics)  
*See page 63 for full details*



**SureSeal**  
**Microcentrifuge**  
**Tubes**  
*See page 91 for full details*



**Whirl-Pak PakRack -**  
**5 Slot** (Nasco)  
*See page 153 for full details*



**VersaClenz Touchless**  
**Dispenser and**  
**Manual Dispenser**  
(Best Sanitizers)  
*See page 185 for full details*



**QuickCheck™ Cryoscopes**  
(Page & Pedersen)  
*See page 82 for full details*



**UV-Transparent**  
**Disposable**  
**Cuvettes**  
(BrandTech Scientific)  
*See page 92 for full details*



**N60 PLUS Sampler**  
(Weber)  
*See page 166 for full details*



**Alpet**  
**E3 Hand**  
**Sanitizer**  
**Foam**  
(Best Sanitizers)  
*See page 185 for full details*



**Wide Mouth Polyethylene**  
**Reagent Bottles**  
(United Scientific)  
*See page 98 for full details*



**Sapphire Bottle Top**  
**Dispenser**  
(LH Technologies)  
*See page 117 for full details*



**TraceableLIVE® WiFi**  
**Datalogging**  
**Refrigerator/Freezer**  
**Thermometer**  
(Control Company)  
*See page 212 for full details*



**Erlenmeyer Flask with**  
**Screw Cap, Borosilicate**  
**Glass** (United Scientific)  
*See page 86 for full details*



**Centrifuge Tubes**  
*See page 91 for full details*



**LABELer™ Lab Printer**  
(MTC Bio)  
*See page 102 for full details*



**Hydrion® Chlorine Test**  
**Papers** (Micro Essentials)  
*See page 184 for full details*



**A.S.B.C. Hydrometers**  
(Rascher & Betzold)  
*See page 231 for full details*



## AllergenControl™ LFD Detection Kits (S) (Microbiologique)

*Any food business with a HACCP plan should have a Food Allergen Management plan*



### Reasons why AllergenControl kits are special

- Added security of Competitive line to prevent false negatives. Some Lateral Flow Devices (LFD's) can give false negatives when high levels of food allergen are present in the sample. This system uses a third line to overcome this problem.
- Avoid waste. Kits are available for either environmental surface tests or food product tests. Buy only what you need.
- Wide range of kits available for specificity. For example, you can choose from total milk, casein or beta-lactoglobulin residue. Overall, 44 kits are available.
- Doesn't need refrigeration – store between 36° to 77°F (2° to 25°C).
- Simple to use – no reconstitution of reagents – simply extract and run.
- Samples are tested against supplied known controls.
- Heat-stable protein allergens are detected.
- Custom Competitive Pricing™ is available. Just ask.

### Assay principles

The AllergenControl residue LFD features polyclonal antibodies directed against targeted proteins configured in both sandwich and competitive formats. To operate the kit, the sample is first subjected to a short extraction step. The sample extract is then directly applied to the lateral flow device sample port, where it is allowed to migrate across the reagent zone thus enabling visualization of the Sandwich Test Line (T) and Competitive Test Line (O) results. In addition, the reagent zone includes a Procedural Control Line (C) to minimize the potential for false negative outcomes.

### Performance characteristics

All kits come in either a food or environmental format  
 Verified to avoid cross-reactivity  
 Limit of Detection: see price grid  
 1 year shelf life from date of manufacture

Environmental Kit Test Time:  
 Hands on time: 5 minutes-Total test time: 20 minutes at 95°C incubation; 35 minutes at 60°C incubation

Food Kit Test Time:  
 Hands on time: 10 minutes-Total test time: 25 minutes at 95°C incubation; 35 minutes at 60°C incubation

**Additional residue kits are available by request.**  
 Almond, Almond Milk, Brazil Nut, Cashew, Cashew Milk, Crustacean, Hazelnut, Macadamia, Mustard, Pinenut, Pistachio, Sesame, and Walnut/Pecan.

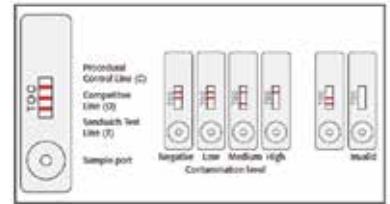
Please contact us for  
**Custom Competitive Pricing™**



Nancy Silvester  
 Account Manager  
 nsilvester@weberscientific.com

### Interpretation of the Test

The reagent zone contains 3 distinct print lines that must be considered in a coordinated manner when interpreting the test lines. These lines include the Sandwich Test Line (T), the Competitive Test Line (O), and the Control Line (C). The Sandwich Test Line (T) will become clearly visible at the LOD value defined for the kit and continue to strengthen in intensity with increasing target analyte concentration up to a point where it will then start to fade and eventually disappear at high analyte levels. The Competitive Test Line (O) will be intense if the sample is negative for the target analyte and fade with increasing amount of analyte, disappearing completely at high analyte levels before the Sandwich Test Line does. This feature allows the operator to distinguish between samples with none or low levels of target analyte and those with high levels. The Competitive Test Line also enables detection of target analyte that is highly hydrolyzed and poorly detected by the Sandwich Test Line. Failure of the Procedural Control Line (C) to appear denotes an invalid test, requiring repeat testing.



### AllergenControl™ Test Kits additional equipment required but not supplied.

#### Environmental tests

- Vortex style mixer:** Weber #3067-83 - Page 24
- Pipettor and tips (100 and 1000 µL):** Pages 106-111
- Water bath (60 or 95°C):** Page 27
- Timer:** Page 232-234
- Centrifuge ~2,000 g:** Weber 3111-00. 8 tube capacity. Page 22-23 (optional)
- pH strips or pH meter:** Page 115
- pH adjustment solutions:** Page 69

#### Food tests

- Grinding or milling device (for solid samples):** Weber #3061-80 Page 22
- Mortar and Pestle:** Weber 3061-91 Page 105
- Vortex style mixer:** Weber #3067-83 - Page 24
- Pipettor and tips (100 and 1000 µL):** Pages 102-114
- Water bath (60 or 95°C):** Page 26
- 15 mL polypropylene centrifuge tubes:** Weber #3014-01 Page 89
- Timer:** Page 231
- Centrifuge ~2,000 g:** Weber 3111-05. 8 tube capacity. Fits between 5 and 15 mL tubes. Page 22
- pH strips or pH meter:** Page 129
- pH adjustment solutions:** Weber 3006-30 1N NaOH, 1 LITER, Page 69
- Balance with 0.1g accuracy:** Page 27-29

**For M-Gluten test accessories visit [weberscientific.com](http://weberscientific.com)**





# Allergen Residue Test

ALLERGEN RESIDUE TEST

Item No.	Mfr. Item No.	Description	Qty.	Qty Break	Your Cost
3666-53	PA-F24-10	Total Milk Lateral Flow Food Kit Limit of Detection (LOD), 0.1 ppm milk protein	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-03	PA-F24	Total Milk Lateral Flow Food Kit Limit of Detection (LOD), 0.1 ppm milk protein	25 Tests	1	350.00
				2	325.00
				3+	300.00
3666-54	PA-E24-10	Total Milk Lateral Flow Environment Kit, 0.01 ug milk protein/swab, 0.1 milk protein ppm (rinse water)	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-04	PA-E24	Total Milk Lateral Flow Environment Kit, 0.01 ug milk protein/swab, 0.1 milk protein ppm (rinse water)	25 Tests	1	350.00
				2	325.00
				3+	300.00
3666-55	PA-F13-10	Beta Lactoglobulin Lateral Flow Food Kit, 1 ug protein/g or 1 ppm	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-05	PA-F13	Beta Lactoglobulin Lateral Flow Food Kit, 1 ug protein/g or 1 ppm	25 Tests	1	350.00
				2	325.00
				3+	300.00
3666-56	PA-E13-10	Beta Lactoglobulin Lateral Flow Environment Kit, 0.1 ug protein/swab, 1 ppm protein (rinse water)	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-06	PA-E13	Beta Lactoglobulin Lateral Flow Environment Kit, 0.1 ug protein/swab, 1 ppm protein (rinse water)	25 Tests	1	350.00
				2	325.00
				3+	300.00
3666-57	PA-F12-10	Casein Lateral Flow Food Kit 1.0 ug protein/g or 1 ppm	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-07	PA-F12	Casein Lateral Flow Food Kit 1.0 ug protein/g or 1 ppm	25 Tests	1	350.00
				2	325.00
				3+	300.00
3666-58	PA-E12-10	Casein Lateral Flow Environment Kit 0.1 ug protein/swab, 1 ppm protein (rinse water)	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-08	PA-E12	Casein Lateral Flow Environment Kit 0.1 ug protein/swab, 1 ppm protein (rinse water)	25 Tests	1	350.00
				2	325.00
				3+	300.00
3666-59	PA-F15-10	Egg Lateral Flow Food Kit 1 ug protein/g or 1 ppm	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-09	PA-F15	Egg Lateral Flow Food Kit 1 ug protein/g or 1 ppm	25 Tests	1	350.00
				2	325.00
				3+	300.00
3666-60	PA-E15-10	Egg Lateral Flow Environment Kit 0.1 ug protein/swab, 1 ppm protein (rinse water)	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-10	PA-E15	Egg Lateral Flow Environment Kit 0.1 ug protein/swab, 1 ppm protein (rinse water)	25 Tests	1	350.00
				2	325.00
				3+	300.00
3666-61	PA-F14-10	Gluten Lateral Flow Food Kit 2 ppm gluten	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-11	PA-F14	Gluten Lateral Flow Food Kit 2 ppm gluten	25 Tests	1	350.00
				2	325.00
				3+	300.00
3666-62	PA-E14-10	Gluten Lateral Flow Environment Kit 0.2 ug gluten/swab, 2 ppm gluten (rinse water)	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-12	PA-E14	Gluten Lateral Flow Environment Kit 0.2 ug gluten/swab, 2 ppm gluten (rinse water)	25 Tests	1	350.00
				2	325.00
				3+	300.00
3666-63	PA-F01-10	Peanut Lateral Flow Food Kit 1.0 ug protein/g or 1 ppm	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-13	PA-F01	Peanut Lateral Flow Food Kit 1.0 ug protein/g or 1 ppm	25 Tests	1	350.00
				2	325.00
				3+	300.00

Item No.	Mfr. Item No.	Description	Qty.	Qty Break	Your Cost
3666-64	PA-E01-10	Peanut Lateral Flow Environment Kit 0.1 ug protein/swab, 1 ppm protein (rinse water)	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-14	PA-E01	Peanut Lateral Flow Environment Kit 0.1 ug protein/swab, 1 ppm protein (rinse water)	25 Tests	1	350.00
				2	325.00
				3+	300.00
3666-65	PA-F11-10	Soy Lateral Flow Food Kit 1.0 ug protein/g or 1 ppm	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-15	PA-F11	Soy Lateral Flow Food Kit 1.0 ug protein/g or 1 ppm	25 Tests	1	350.00
				2	325.00
				3+	300.00
3666-66	PA-E11-10	Soy Lateral Flow Environment Kit 0.1 ug protein/swab, 1 ppm protein (rinse water)	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-16	PA-E11	Soy Lateral Flow Environment Kit 0.1 ug protein/swab, 1 ppm protein (rinse water)	25 Tests	1	350.00
				2	325.00
				3+	300.00
3666-67	PA-F28-10	Soy Milk Lateral Flow Food Kit 1 ug protein/g or 1 ppm	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-17	PA-F28	Soy Milk Lateral Flow Food Kit 1 ug protein/g or 1 ppm	25 Tests	1	350.00
				2	325.00
				3+	300.00
3666-68	PA-E28-10	Soy Milk Lateral Flow Environment Kit 0.1 ug protein/swab, 1 ppm protein (rinse water)	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-18	PA-E28	Soy Milk Lateral Flow Environment Kit 0.1 ug protein/swab, 1 ppm protein (rinse water)	25 Tests	1	350.00
				2	325.00
				3+	300.00
3666-69	PA-F04-10	Coconut Lateral Flow Food Kit 1.0 ug protein/g or 1 ppm	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-19	PA-F04	Coconut Lateral Flow Food Kit 1.0 ug protein/g or 1 ppm	25 Tests	1	350.00
				2	325.00
				3+	300.00
3666-70	PA-E04-10	Coconut Lateral Flow Environment Kit 0.1 ug protein/swab, 1 ppm protein (rinse water)	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-20	PA-E04	Coconut Lateral Flow Environment Kit 0.1 ug protein/swab, 1 ppm protein (rinse water)	25 Tests	1	350.00
				2	325.00
				3+	300.00
3666-71	PA-F29-10	Coconut Milk Lateral Flow Food Kit 1 ug protein/g or 1 ppm	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-21	PA-F29	Coconut Milk Lateral Flow Food Kit 1 ug protein/g or 1 ppm	25 Tests	1	350.00
				2	325.00
				3+	300.00
3666-72	PA-E29-10	Coconut Milk Lateral Flow Environment Kit, 0.1 ug protein/swab, 1 ppm protein (rinse water)	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-22	PA-E29	Coconut Milk Lateral Flow Environment Kit, 0.1 ug protein/swab, 1 ppm protein (rinse water)	25 Tests	1	350.00
				2	325.00
				3+	300.00
3666-73	PA-F43-10	M-Gluten Lateral Flow Food Kit 1 ug protein/g or 1 ppm	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-23	PA-F43	M-Gluten Lateral Flow Food Kit 1 ug protein/g or 1 ppm	25 Tests	1	350.00
				2	325.00
				3+	300.00
3666-74	PA-E43-10	M-Gluten Lateral Flow Environment Kit, 0.1 ug protein/swab, 1 ppm protein (rinse water)	10 Tests	1-5	140.00
				6-7	130.00
				8+	120.00
3666-24	PA-E43	M-Gluten Lateral Flow Environment Kit, 0.1 ug protein/swab, 1 ppm protein (rinse water)	25 Tests	1	350.00
				2	325.00
				3+	300.00

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ALLERGEN RESIDUE TESTING

7

• Allergen Test Kits from r-Biopharm

## AllerSnap Allergen Prevention Surface Test (Hygiene)

*AllerSnap is a quick and easy way to accurately monitor the cleanliness of surfaces to help ensure product quality.*

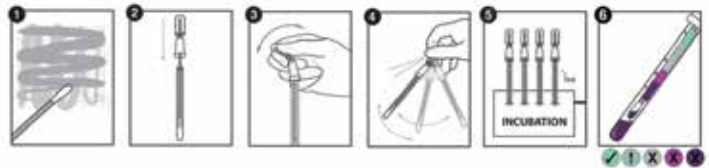
AllerSnap detects protein residues left on a surface after cleaning. Simply swab a surface, release the reagent and if protein residue is present the reagent will turn purple. The color change provides a semi-quantitative measure of the surface cleanliness. The more contamination present, the quicker the color change to purple and the darker the color. AllerSnap quickly validates the hygiene of a surface, allowing immediate corrective action to be taken if necessary. Requires incubation, 55°C for 15 minutes or 37°C for 30 minutes.



Item No.	Description	Qty	Qty Break	Your Cost
3660-75	AllerSnap	100 per case	1 2+	220.75 195.42

Features	Benefits
All-in-one test device	• Ready-to-use and convenient
Built-in color chart	• Simple, easy-to-use and interpret
Pre-wetted swab	• Consistent sample collection
	• Maximum sample recovery
	• Breaks through biofilms
	• No separate wetting agent required
Sensitive liquid-stable reagent	• Detects down to 3 µg of protein residue after incubation
	• Store at room or refrigerated temperature
	• Long shelf life 18 months
Generate visible color results in 15 minutes	• Enables immediate corrective action thus preventing waste and non-compliance issues
	• Provides evidence for due diligence and compliance
	• Effective for trainings and promotes best practices
Small simple design	• Affordable; no instrument required
	• Small size
	• Recyclable plastic
	• Low carbon footprint

### AllerSnap Instructions (Requires incubation)



## PRO-Clean™ Rapid Protein Food Residue Test

*Validate surface cleanliness without instrumentation*

A quick and easy way to accurately monitor the cleanliness of food equipment surfaces to help ensure food safety and product quality. This test detects any protein residues left on a surface after cleaning. Simply swab a surface, release the reagent and if any residue containing protein is present the reagent will turn purple. The color change provides a semi-quantitative measure of the surface cleanliness. The more contamination present, the quicker the color changes to purple and the darker the color. PRO-Clean almost instantly validates the hygiene of a surface, allowing immediate corrective action to be taken if necessary.

Recommended for food retail, processing and service.

Key features and benefits:

- ✓ Results in under 10 minutes with most color changes taking place in under 60 seconds
- ✓ Detects 80 µg after 1 minute, 50 µg after 5 minutes, 20 µg after 10 minutes
- ✓ All-in-one device - no instrumentation
- ✓ 18 month shelf life at room or refrigerated temperatures
- ✓ Easy to interpret
- ✓ Affordable
- ✓ Excellent for employee training and feedback
- ✓ Provides HACCP/SSOP verification
- ✓ Pinpoints deviations in sanitation procedures



Item No.	Qty	Qty Break	Your Cost
3660-70	pack/100	1 2+	195.00 175.00



### ACCESSORIES: FOR ALLERSNAP



Dry Block Incubator see page 57.  
Find it at [weberscientific.com](http://weberscientific.com)  
AllerFlow Gluten Surface Residue Test



## Captair® Smart Ductless Filtering Fume Hoods (Erlab)

**Guarantees that the emissions concentration at the filter exhaust will always be lower than 1% of the Threshold Limit Value (TLV)**

### Your Safety is Guaranteed!

- Erlab ductless enclosures provide total filtration of toxic gases, fumes, odors, and powders
- Automatic filter breakthrough alarm
- Provides a published chemical listing with the retention capacity for all filters
- Evaluation and approval of the chemical handlings performed in the hood
- A Certificate of Validation verifying the chemical usage, filter type, and filter lifetime
- Free ESP® validation program for the life of your installation

### Reduces Costs

- No ductwork necessary, your unit is up and running in minutes
- Installs completely without tools
- Completely mobile and easy to relocate within your lab or to a new building
- Eliminates the energy consumption linked to the air renewal
- Very low energy consumption ranging from 70W to 261W

### Many models and configurations to choose from

- Covers a wide range of sizes and configurations
- Ductless fume hoods (shown is model M321 with a cost of around \$3,000)
- Vented storage cabinets
- HEPA filtered enclosures
- NEW Halo laboratory air filtration system



### How it works

These enclosures are equipped with filtration technology that is specific to the type of chemicals handled. These filters capture toxic molecules and particles evaporated in the hood.

- 1 - Air from the laboratory enters the hood. The air face velocity creates a dynamic barrier between the user and the chemicals being handled.
- 2 - The device ventilation system draws the particles and any molecules toward the filtration system. The hood prevents any pollutants from being released into the laboratory.
- 3 - The discharged air is free from all pollutants.
- 4 - The continuous recirculation of the filtered air helps to purify the ambient air of the laboratory.
- 5 - Flex Technology offers the ability to stack carbon and HEPA filters allowing the filtration column to be configured specifically for the applications carried out within the hood.

<p><b>The Erlab Safety Program:</b> As part of our commitment to you, every Erlab product includes these services.</p>	<p><b>Valiquest</b> Determine the most appropriate filtration product for total safety during your processes</p>	<p><b>Valipass</b> Certify and secure the usage of the unit(s) at installation</p>	<p><b>Valiguard</b> Work with you to be sure your unit(s) is at peak operating performance</p>	<p><b>eGuard App</b> Enhance your safety with our remote mobile solutions</p>
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Item No.	Mfr. Item No.	Description	Dimensions (W x D x H) inches	Your Cost
4013-02	321SMART	Fume Hood	Ext. 31 1/2 x 24 3/8 x 43 3/4 Min. 50 5/8 Max	3399.00
4013-03	391SMART	Fume Hood	Ext. 39 5/8 x 24 3/8 x 43 3/4 Min. 50 5/8 Max	4099.00
4013-04	481SMART	Fume Hood	Ext. 49 5/8 x 24 3/8 x 43 3/4 Min. 50 5/8 Max	5149.00
4013-06	392SMART	Fume Hood	Ext. 39 5/8 x 29 1/2 x 52 3/4 Min. 59 5/8 Max	5499.00
4013-07	483SMART	Fume Hood	Ext. 51 x 29 1/2 x 52 3/4 Min. 59 5/8 Max	6499.00
4013-08	633SMART	Fume Hood	Ext. 63 3/4 x 29 1/2 x 52 3/4 Min. 59 5/8 Max.	7449.00
4013-09	714SMART	Fume Hood	Ext. 71 5/8 x 29 1/2 x 52 3/4 Min. 59 5/8 Max	8899.00
4013-21	SMART321GL	Accessory - 321 Smart Glass Work Surface		189.00
4013-22	SMART391GL	Accessory - 391 Smart Glass Work Surface		239.00
4013-23	SMART481GL	Accessory - 481 Smart Glass Work Surface		289.00
4013-25	SMART392GL	Accessory - 392 Smart Glass Work Surface		269.00
4013-26	SMART483GL	Accessory - 483 Smart Glass Work Surface		309.00
4013-27	SMART633GL	Accessory - 633 Smart Glass Work Surface		409.00
4013-28	SMART714GL	Accessory - 714 Smart Glass Work Surface		469.00
4013-34	SMART391MOBI	Accessory - 391 Smart Mobile Cart		929.00
4013-36	SMART481BENCH	Accessory - 481 Smart Benchcap		949.00
4013-38	SMART392BENCH	Accessory - 392 Smart Benchcap		929.00
4013-39	SMART483BENCH	Accessory - 483 Smart Benchcap		979.00
4013-40	SMART633BENCH	Accessory - 633 Smart Benchcap		1029.00
4013-41	SMART714BENCH	Accessory - 714 Smart Benchcap		1279.00
4013-15	GF4.AS	Carbon Filter - Organics		463.00
4013-16	GF4.BE+	Carbon Filter - Organics and Acids		699.00
4013-17	GF4.HP	HEPA Filter		473.00

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APPARATUS

• Ductless Storage Cabinets from Captair



## Halo Smart Laboratory Air Filtration System (ErLab)

*Healthier, cleaner air in your laboratory*

Halo is continuously pulling the dirty air in the lab through the filter, adsorbing the molecules that cause noxious odors, and returning clean air back to the room through low-disruptive side vents. The laboratory-grade molecular filtration system contains Neutrodine, a unique and powerful activated carbon mixture combined with a pre-filter that captures a large variety of airborne fumes and odors, which left untreated, could represent a potential health hazard.

### Simple to install

Halo is easily installed in the ceiling - no need to connect to your HVAC. Multiple units can be installed to increase the coverage area.

### Smart technology

A soft band of light assures the occupants of the lab that the air is clean. When the LED lights slowly pulse, Halo is letting you know that it is sensing and capturing fugitive emissions. You can easily check the status, change the setting, or check for routine maintenance via your smartphone, tablet or PC.

- Healthier air with considerable savings
- Simple to install and use - no need to connect to your HVAC
- Easy access panel for quick filter changes
- BACnet capable
- Network the units to monitor remotely
- Benefit from the exclusive ErLab warranties

Item No.	Mfr Item No.	Description	Your Cost
4014-11	HALOCHEM PLUS	Halo Smart Laboratory Air Filtration System - Chemplus	3099.00
4014-12	HALOSMART VOC	Halo Smart Laboratory Air Filtration System - VOC	2799.00
4014-10	CHEMPLUS FILTER	Chemplus Filter for Solvents & Acids	405.00
4014-13	VOCFILTER	VOC Filter for Volatile Organic Compunds	234.00



Item Number	4014-11	4014-12
CFM	220 m3/h	
Operating Modes	24/24hr, Day/Night, Alert	
Ventilation control	The Smart light technology pulses to indicate the status of the ventilation	
Pre filtration	particulate prefilter	
Sensors	Detects and filters a wide array of pollutants	Semiconductor for VOCs
User Interface	Smart-Light provides simple communication by LED pulsation system	
e-Guard app	Download for remote control and monitoring	
Ports	1 x Ethernet Port	
Installation	Hung via 4 eye bolts (included) or Threaded Rod (not included)	
Weight	68 lbs - 31 kg (including filter)	
Voltage / Frequency	80-240V 50/60hz	
Energy consumption	50 W	



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This is our way to say thank you - Again and again.



## The CaptairFlow® Laminar Flow Hoods (Erlab)

**Provides an ultra-clean and dust-free work area.**

Ideal for applications such as non-pathogenic cell cultures, In-vitro cultures, microbiology, homeopathic preparations, electronics, and optics.

These workstations feature HEPA H14 filters to provide an ISO Class 5 work environment. The HEPA H14 filters guarantee 99.995% filtration efficiency for particles larger than 0.1µm.

Product features include bright internal lighting, slanted sash, large opening for easy access, and side panel utility ports, and low energy consumption.

Optional accessories include stainless steel or resin work surface, rolling cart with locking wheels, and stationary work bench.

4 new models

- 4 sizes available
- Stainless steel worktop with a built in spill tray
- Rolling or fixed carts available
- Standalone enclosures that do not require HVAC connections
- Immediately operational, place where you need it in your lab

Modular filtration column / Air quality into the enclosure

- HEPA H 14 filter : 99.995% filtration efficiency for particles larger than 0.1 microns (according to the EN1822-1 standard, MPPS method).
- Vertical laminar air flow entering the enclosure protects your work from contamination

Additional chemical protection

- Advanced carbon filter will protect handlings from VOCs present into the laboratory air
- Air quality in the enclosure is ISO 5

Very low energy consumption

- The largest hood is only 261W



4013-51



4013-29



4013-42



4013-44

Item No.	Mfr. Item No.	Description	Dimensions (W x D x H) (inches)	Your Cost
<b>4013-50</b>	321	CaptairFlow® Laminar Flow Hoods	Ext 31 1/2 x 24 2/3 x 45 3/4 / 53 Int 30 1/8 x 21 1/2 x 34	<b>3,499.00</b>
<b>4013-51</b>	391	CaptairFlow® Laminar Flow Hoods	Ext: 39 3/8 x 24 3/4 x 45 3/4 / 53 Int: 38 x 21 1/2 x 34	<b>4,099.00</b>
<b>4013-52</b>	483	CaptairFlow® Laminar Flow Hoods	Ext: 50 1/4 x 31 1/2 x 51 3/4 / 59 7/8 Int: 48 7/8 x 26 1/4 x 41	<b>7,899.00</b>
<b>4013-53</b>	714	CaptairFlow® Laminar Flow Hoods	Ext: 71 x 31 1/2 x 51 3/4 / 59 7/8 Int: 69 1/2 x 26 1/4 x 41	<b>9,199.00</b>
<b>4013-29</b>	321 S.S. WT	Accessory - Stainless Steel Work Surface Fits 321		<b>509.00</b>
<b>4013-30</b>	391 S.S. WT	Accessory - Stainless Steel Work Surface Fits 391		<b>619.00</b>
<b>4013-31</b>	483 S.S. WT	Accessory - Stainless Steel Work Surface Fits 483		<b>1,129.00</b>
<b>4013-32</b>	714 S.S. WT	Accessory - Stainless Steel Work Surface Fits 714		<b>1,489.00</b>
<b>4013-42</b>	321 Mobicap	Accessory - Mobicap fits 321		<b>719.00</b>
<b>4013-43</b>	391 Mobicap	Accessory - Mobicap fits 391		<b>929.00</b>
<b>4013-44</b>	483 Benchcap	Accessory - Benchcap with utilities fits 483		<b>979.00</b>
<b>4013-45</b>	714 Benchcap	Accessory - Benchcap with utilities fits 714		<b>1,279.00</b>



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nsilvester@weberscientific.com



## Tuttnauer™ Autoclaves (Heidolph)

All models feature a stainless steel chamber, fast and slow exhaust, drying cycle and self-contained large capacity reservoir. For safety, a double-locking door, low water level protection, and automatic pressure safety valve. UL and CSA approved and ASME stamped.

The electronic models (items 3058-74 & 3058-78) feature microprocessor control and digital LCD display. Four fully adjustable, one-button programs provide easy, reproducible runs. Full user controls allows setting and storing of temperature (105-137°C. or 221-279°F.), sterilization time (0-59 minutes), drying time (0-99 minutes), units (°C or °F, psi or bar). Complete with "door open" and "low water" sensors. The mechanical model (item 3058-64) features analog controls and gauges. A 60 minute timer is provided and temperature can be set from 100-134°C./212-273°F. Items 3058-76 and 3058-83 come complete with built-in printer. One year warranty includes parts and labor.



3058-64



3058-76



3058-83

**Ships Common Carrier**

Item No.	Mfr. Model No.	No. of Trays	Chamber (Dia.xDepth)	Voltage	Size	List Price	% Off List	Your Cost
<b>3058-64</b>	2540M	4	10"x18"	110	20"Dx20"Wx15"H	6968.00	15	<b>5922.80</b>
<b>3058-74</b>	2540E	4	10"x18"	110	20"Dx20"Wx15"H	8083.00	15	<b>6870.55</b>
<b>3058-76</b>	2540EP	4	10"x18"	110	20"Dx20"Wx15"H	8685.00	15	<b>7382.25</b>
<b>3058-78</b>	3870E	2	15"x27"	220	33"Dx26"Wx21"H	23056.00	15	<b>19597.60</b>
<b>3058-83</b>	3870EP	2	15"x27"	220	33"Dx26"Wx21"H	23193.00	18	<b>19018.26</b>

### Replacement Door Gaskets

Item No.	Fits	Your Cost
<b>3058-91</b>	2540E/EP/M	<b>145.71</b>
<b>3058-92</b>	3870E/EP	<b>268.57</b>

### Replacement Printer Paper

Item No.	Qty	Your Cost
<b>023-21-220-0</b>	per roll	<b>10.24</b>

## ALL-AMERICAN Portable Sterilizers (WAFCO)

Steam pressure (259° F) operation is completely automatic. Complete, self-contained unit with an immersion heating element, automatic thermostatic control, automatic release valve, and pilot light. It connects to any outlet, is ready for use instantly, and ensures complete, efficient sterilization.

- 20 to 30 minute sterilization process
- Heavy cast aluminum cover and bottom construction
- Aluminum inner container with rack
- Flexible metal exhaust tube
- Dial gauge and control valve
- Metal-to-metal seal
- Over-pressure safety plug
- UL approval
- One year warranty.




3058-20



3058-22

Model	3058-20	3058-22
Gross Capacity	25 qt. / 24 liter	41 qt. / 39 liter
Overall Height	16 3/4" / 42.5 cm	19" / 48.3 cm
Bottom Height	12 1/4" / 31.2 cm	14 1/4" / 36.2 cm
Inside Diameter	12 5/8" / 32.1 cm	15 1/4" / 38.7 cm
Unit Weight	29 lbs / 13.2 kg	45 lbs / 20.4 kg
Inner Container Height	8 1/2" / 21.6 cm	10 1/4" / 26 cm
Inner Container Diameter	11 1/8" / 28.3 cm	14" / 35.6 cm
Inner Container Circumference	35 7/8" / 91.1 cm	44 1/2" / 113 cm
Inner Container Capacity	14.5 qt. / 13.7 liter	27.3 qt. / 25.8 liter
Inner Container Volume	835 in <sup>3</sup> / 13.688 cm <sup>3</sup>	1578 in <sup>3</sup> / 25.856 cm <sup>3</sup>
Shipping Weight	34 lbs / 15.4 kg	51 lbs / 23.1 kg

Item No.	Mfr. Item No.	Capacity	Description	Power	List Price	% Off List	Your Cost
<b>3058-20</b>	50X	25qt./24 liter	Hi-power, 60-minute bell timer	120 V 50/60 Hz, 1650W	1035.00	25	<b>776.25</b>
<b>3058-22</b>	75X	41 qt./39 liter	Hi-power; 64% greater capacity	120 V 50/60 Hz, 1650W	1339.00	25	<b>1004.25</b>


<http://www.weberscientific.com>  
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### ACCESSORIES: FOR AUTOCLAVES



Various Thermometers for Autoclaves see pages 218 & 229.  
 Media Bottles and Flasks see pages 86 & 100.

## Sterilmatic® Autoclave (Market Forge STM & STM-EL)

Item 3058-40 is an electric automatic steam pressure sterilizer. Sterilizing cycle is fully automatic, time-controlled and has a built-in temperature control which provides 250° F. (121° C.). Unit shuts off and exhausts pressure automatically at end of cycle. Slow exhaust may be selected for sterilizing liquids. Features include thermometer, safety valve, 0-30 lb. steam gauge, 0-60 minute timer and low water cut off. Size is 18 3/4" wide X 31" deep X 27 5/8" high. Interior is 16" in diameter and 26" long with a door opening of 13 1/2" wide X 11" high. Sterilizing compartment holds either three 12" X 20" X 2 1/2" trays or one 12" X 20" X 6" tray (trays available separately). For 208-240 V. specify 1 or 3 phase. One year warranty for parts and 90 days for labor. All models ship by common carrier.



<http://www.weberscientific.com>

**Need replacement parts for this product?**  
Visit [weberscientific.com](http://www.weberscientific.com) or please call 800-328-8378 for assistance.

Item 3058-41 has all the specifications of 3058-40 except it has an adjustable temperature control between 230°-250°F (110°-121°C.)

Item 3058-50 has all the specifications of 3058-40 except it has three programmable features including temperature control between 225°-250°F (107°-121°C.), time and venting.

Item No.	List Price	% Off List	Qty Break	Your Cost
3058-40	14919.35	16	1	<b>12532.25</b>
		20	2+	<b>11935.48</b>
3058-41	15083.24	16	1	<b>12669.92</b>
		20	2+	<b>12066.59</b>
3058-50	16981.86	16	1	<b>14264.76</b>
		20	2+	<b>13585.49</b>

Item No.	Description	Size	List Price	% Off List	Qty Break	Your Cost
3058-43	Stainless steel Stand, with shelf	27 1/2"	1409.25	28		<b>1014.66</b>
3058-45	Stainless steel Trays	12" X 20" X 2 1/2"	289.90	10		<b>260.91</b>
3058-46	Stainless steel Trays	12" X 20" X 6"	500.56	5		<b>475.53</b>
3058-49	Replacement Door Gasket				1	<b>64.19</b>
					2+	<b>48.16</b>



### Full Line Laboratory Supplier

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3058-30



3058-32

## BioClave™ Benchtop Autoclaves (Biomega) Compact and economical

- Width of under 18 in. (under 14 in. for the BioClave Mini) - both models will fit comfortably on crowded bench tops.
- Sterilization chambers are surprisingly large, accommodating a variety of liquids, media, instruments, glassware, plasticware and other common laboratory items. Both models include a mechanical and electrical safety interlock that prevents the door from being opened until the pressure has reached zero PSI.
- With large digital displays and fully automatic operation, all segments of the sterilization cycle (fill, sterilize, exhaust and dry) commence and run to completion by simply pressing the start button.
- One year warranty.

**BioClave 16** 16 liter model offers three cycle options (standard programs), which are preset for the sterilization of liquids, wrapped instruments or unwrapped instruments/plasticware. A fourth option "Dry Only" is also available for additional drying time to be added to the end of a cycle. For special applications, requiring variations in cycle parameters, all settings on the BioClave 16 are fully adjustable.

**BioClave Mini** The 8 liter BioClave Mini is preprogrammed to meet basic sterilization needs. Although the temperature can be selected at either 121°C or 134°C, the sterilization time is fixed.

Model	BioClave 16	BioClave Mini
Chamber Volume	16 L	8 L
Chamber Dimensions	9 x 13.75 in. / 23 x 35 cm	6.7 x 12.5 in. / 17 x 31 cm
Tray Dimensions	6.5 x 10.75 in. / 16.5 x 27 cm	4.75 x 9.75 in. / 12 x 24.8 cm
Exterior Dimensions	22 x 17.5 x 15.7 in. / 56 x 44.5 x 40 cm	20 x 13.5 x 12.9 in. / 51 x 34 x 33 cm
Weight	89 lbs / 40 kg	74 lbs / 33 kg
Electrical	115/230V, 50-60 Hz / 1600W	115/230V, 50-60 Hz / 950W

Item No.	Description	List Price	% Off List	Qty Break	Your Cost
3058-30	BioClave 16	4995.00	20	1	<b>3996.00</b>
			25	2+	<b>3746.25</b>
3058-32	BioClave 8	3645.00	20	1	<b>2916.00</b>
			25	2+	<b>2733.75</b>
3058-34	BioClave Printer	259.00	20		<b>207.20</b>
3058-36	Replacement Printer Paper	34.00	15		<b>28.90</b>

## Autoclavable Biohazard Disposal Bags

Heavy duty 2.0 mil polypropylene bags can be loaded with used pipets, petri dishes, etc. and then sterilized at a maximum of 135°C (275°F).

The printed bags have a sterilization indicator patch that darkens when subjected to steam sterilization, and also feature the standard biohazard warning symbol and precautionary procedures in four languages.



### Unprinted

Item No.	Size inch/mm	Capacity	Qty	Qty Break	Your Cost
<b>3057-09</b>	24" x 36" / 610 x 910	22 gal/83.28 L	pack/100	1-4 5+	<b>115.62</b> <b>81.63</b>

### Printed

Item No.	Size inch/mm	Capacity	Qty	Qty Break	Your Cost
<b>3057-18</b>	12" x 24" / 300 x 610	3.5 gal/13.25 L	pack/100	1-4 5+	<b>45.67</b> <b>42.33</b>
<b>3057-20</b>	24" x 30" / 610 x 760	17 gal/64.35 L	pack/100	1-4 5+	<b>114.76</b> <b>106.36</b>
<b>3057-22</b>	24" x 36" / 610 x 910	22 gal/83.28 L	pack/100	1-4 5+	<b>123.62</b> <b>114.57</b>

## Poxygrid® Biohazard Bag Holder (Bel-Art Scienceware)

Keeps bags open and ready for filling. Just insert and stretch the bag mouth over the top ring of this round holder: a separate hooked ring rests over the top to lock the bag in place. Orange epoxy coated steel wire.

Item No.	Diameter inches	Height inches	Fits bag	List Price	% Off List	Your Cost
<b>3057-28</b>	7.3	20.5	12" x 24"	75.60	10	<b>68.04</b>
<b>3057-30</b>	14.6	23.5	24" x 30"	79.35	10	<b>71.42</b>
<b>3057-32</b>	14.6	29.5	24" x 36"	82.95	10	<b>74.66</b>

## Bench-top Biohazard Bags and Holder (Bel-Art Scienceware)

**Bags:** High-density polyethylene, Autoclavable (may distort), Printed bio-hazard symbol and sterilization indicator patch, One long flap for easier opening, 220 X 280 mm (8.5 X 11")

**Holder:** Steel wire coated with orange epoxy

Item No.	Mfr Item No.	Description	Qty	List Price	% Off List	Your Cost
<b>3056-10</b>	13166-0000	bags	pack/100	20.40	20	<b>16.32</b>
<b>3056-11</b>	13193-1000	holder	each	25.90	10	<b>23.31</b>

## Clave™ General Purpose Autoclavable Bags

General purpose bags are used to sterilize paper fillers and a variety of other functions. Transparent bags are made of 2 mil polypropylene and can be steam sterilized at 275°F/135°C.

Item No.	Size	Qty	QtyBreak	YourCost
<b>3057-34</b>	8" x 15" / 200 x 380 mm	pack/100	1-4 5+	<b>32.14</b> <b>21.63</b>
<b>3057-39</b>	10" x 12" / 250 x 300 mm	pack/100	1-4 5+	<b>32.40</b> <b>21.81</b>
<b>3057-42</b>	12" x 24" / 300 x 610 mm	pack/100	1-4 5+	<b>41.87</b> <b>29.31</b>
<b>3057-49</b>	24" x 30" / 610 x 760 mm	pack/100	1-4 5+	<b>97.01</b> <b>64.17</b>

## Bag Holder

Autoclavable at 121°C (250°F) to maintain sterility.

Item No.	Tray Size	Height	Fits Bag	List Price	% Off List	Your Cost
<b>3057-23</b>	180.5 x 350.6 mm (7.3 x 14")	470 mm (18.5")	300 x 610 mm (12 x 24")	43.75	20	<b>35.00</b>
<b>3057-25</b>	350.6 x 350.6 mm (14 x 14")	540.6 mm (21.5")	610 x 760 mm (24 x 30")	63.00	20	<b>50.40</b>
<b>3057-27</b>	350.6 x 350.6 mm (14 x 14")	690.6 mm (27.2")	610 x 910 mm (24 x 36")	68.80	10	<b>61.92</b>
<b>3057-29</b>	Cover fits 3057-25 & 3057-27			29.70	20	<b>23.76</b>

### ACCESSORIES:



General purpose plastic bags  
see pages 148-149.



## Steril-Peel® Self Seal Pouches (GS Medical Packaging)



Self-seal pouches provide a self-contained method of sterile packaging for instruments without the use of heat sealing equipment. The seal is part of the pouch and pre-folding make proper closure fast and easy.

- Pre-folding eliminates the need for holes on the fold line. Sterile integrity is maintained.
- Tack points above chevron at corners reduce paper curl.
- Thumb notched for ease of loading and opening under sterile conditions.
- Unique blue film darkens to show seal strength, therefore unacceptable seals are clearly visible.
- No perforation
- 200 pouches per box



Item No.	Mfr Item No.	Size
4413-27	222102	5¼" x 10" (133mm x 254mm)
4413-28	222103	7½" x 13" (191mm x 330mm)
4413-29	222816	8" x 16" (203mm x 406mm)
4413-30	222218	12" x 18" (305mm x 457mm)

Item No.	List Price	% Off List	Qty Break	Your Cost
4413-27	22.95	20	1-9	<b>18.36</b>
		31	multiples of 10	<b>15.84</b>
4413-28	37.60	20	1-9	<b>30.08</b>
		31	multiples of 10	<b>25.94</b>
4413-29	52.69	20	1-9	<b>42.15</b>
		31	multiples of 10	<b>36.36</b>
4413-30	84.25	20	1-9	<b>67.40</b>
		31	multiples of 10	<b>58.13</b>

## Chex-All® II Sterilization Pouches (Propper)

Instant, self-sealing sterilization pouches eliminate the need for heat sealing and separate sealing tapes. Protective strip removes from fold-over adhesive end to provide complete hermetic seal. Seal will not open up in steam autoclaves and is unaffected by gas. Pouches are tamper-proof, producing visible evidence of seal tampering, and have the same sterile storage time as all pouches. Penetration of sterilants into pack is monitored by preprinted indicators on both inside and outside for steam and EO gas. In steam, yellow indicators change to gray-black; red indicators do not change. In gas, red indicators change to green; yellow indicators do not change.



Item No.	Mfr. Item No.	Size inch/mm	Qty	Your Cost
4413-09	024008	3 x 8 / 76 x 203	pack/500	<b>98.01</b>
4413-10	024010	5 x 10 / 127 x 254	pack/500	<b>129.88</b>
4413-15	024012	7 x 12 / 178 x 305	pack/500	<b>193.81</b>
4413-20	024014	8 x 16 / 203 x 406	pack/250	<b>164.25</b>
4413-25	024018	12 x 18 / 305 x 457	pack/250	<b>251.45</b>

## Clavies® Autoclave Gloves (Bel-Art Scienceware)



Heat resistant up to 232°C (450°F) these all-cotton terry cloth Clavies® Gloves are excellent for handling hot objects out of the autoclave or oven. Replaces hazardous asbestos gloves. Gauntlets in two lengths provide wrist and forearm protection, and the bright orange color offers high visibility. Machine wash, tumble dry.

Item No.	Overall Length	Qty	List Price	% Off List	Your Cost
3057-12	13"	pair	32.65	15	<b>27.75</b>
3057-14	18.5"	pair	44.45	15	<b>37.78</b>

## Grabbit™ Temp Mitts (Heathrow Scientific)

*Protect your hands from hot/cold labware*



These silicone rubber mitts fit most hands. The full-hand version has an internal rib in the pocket for added dexterity. Both mitts have studded, oversized surfaces for positive grip. Mitts are autoclavable and withstand temperatures from -70 to 500°F (-57 to 260°C).

Item No.	Description	Overall Length	List Price	% Off List	Your Cost
3057-16	Full-hand mitt	6 7/8" (175 mm)	23.46	20	<b>18.77</b>

## Odo-Clave® Deodorant Pads (Bel-Art Scienceware)

These pads are impregnated with a heat-released deodorant that doesn't merely mask autoclave odors, but actually neutralizes them. They're easy to handle and not messy. 1 1/4" square.



Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
3057-43	Cherry	pack/100	92.10	10	1-2	<b>82.89</b>
				15	3+	<b>78.29</b>
3057-44	Lemon	pack/100	92.10	10	1-2	<b>82.89</b>
				15	3+	<b>78.29</b>
3057-45	Clove	pack/100	92.10	10	1-2	<b>82.89</b>
				15	3+	<b>78.29</b>

## Autoclave Chamber Brite® Cleaner (Heidolph)

Pre-measured packet is sprinkled into chamber and a cycle is run. Cleans and de-scales steam sterilizers, including the chamber, reservoir and tubing. Optimizes autoclave function and extends operating life. Pack of 10.



Item No.	Qty Break	Your Cost
3057-40	1	<b>112.86</b>
	2+	<b>101.58</b>



## Self-Contained Biological Indicator (Crosstex)

### Validated 24-Hour Incubation!

These are a safe, convenient and easy to read self-contained biological indicator. It can be used to validate or monitor steam sterilization. It consists of a paper carrier containing *Geobacillus stearothermophilus*, population  $10^5$ . The spore carrier and glass vial containing media are located inside a plastic tube. The cap permits steam to penetrate to the spore carrier while in a sterilization chamber.



Upon completion of a sterilization cycle, allow the tests to cool for approximately 15 minutes. The top of the plastic tube should be sealed by depressing the cap, and the media ampule crushed. Once this has been done, place the test in an incubator at 56°C. The tests should be checked periodically over the course of 24 hours for spore growth. Such growth is evident from the change in color of the media from purple to yellow. If growth in exposed indicators is visually observed, it must be assumed that the sterilization cycle was inadequate.

This product is ANSI/AAMI/ISO EN 11138-1 and USP (where applicable) compliant. The suspensions are labeled with a shelf life based on the organism. Each vial of Spore Suspension is accompanied by a Certificate of Analysis detailing the source, assayed population, resistance characteristics on paper carrier and expiration date. 24 month shelf-life from date of manufacture. Size is 13 x 61 mm.

Item No.	Qty	Qty	Your Cost
4300-05	pack/50	1	96.00
		2+	86.40

## Mini Self-Contained Biological Indicator (Crosstex)

### Validated 24-Hour Incubation!

These are a safe, convenient and easy to read self-contained biological indicator. It can be used to validate or monitor steam sterilization. It consists of a paper carrier containing *Geobacillus stearothermophilus*, population  $10^5$ . The spore carrier and glass vial containing media are located inside a plastic tube. The cap permits steam to penetrate to the spore carrier while in a sterilization chamber.



Upon completion of a sterilization cycle, allow the tests to cool for approximately 15 minutes. The top of the plastic tube should be sealed by depressing the cap, and the media ampule crushed. Once this has been done, place the test in an incubator at 56°C. The tests should be checked periodically over the course of 24 hours for spore growth. Such growth is evident from the change in color of the media from purple to yellow. If growth in exposed indicators is visually observed, it must be assumed that the sterilization cycle was inadequate.

This product is ANSI/AAMI/ISO EN 11138-1 and USP (where applicable) compliant. The suspensions are labeled with a shelf life based on the organism. Each vial of Spore Suspension is accompanied by a Certificate of Analysis detailing the source, assayed population, resistance characteristics on paper carrier and expiration date. 18 month shelf-life from date of manufacture. Size is 8.4 x 45.5 mm.

Item No.	Qty	Qty	Your Cost
4300-16	pack/50	1	95.00
		2+	85.50

## Self-Contained Biological Indicator Ampule (Crosstex)

### Choose from populations of $10^4$

These are a safe and easy to use self-contained biological indicator. The test is used to validate or monitor steam sterilization. It consists of a sealed ampule containing *Geobacillus stearothermophilus* spores, suspended in a modified Soybean Casein Digest broth. A pH indicator of bromocresol purple has been added to assist in detecting spore growth.



One or more ampules should be suspended or otherwise placed in the item to be sterilized, or in the sterilization chamber. At the end of the sterilization process, the tests should be carefully removed and allowed to cool. Once they have cooled (about 5 minutes) the tests should be incubated at 61°C ± 2°C. No activation is required. The tests should be checked periodically for growth. Growth is indicated by a color change of purple to yellow and/or turbidity. This indicates a failure of the sterilization cycle. A control ampule (not exposed in the sterilizer) should be used to verify spore viability. Results available in 48 hours. Store at refrigerated temperature.

This product is ANSI/AAMI/ISO EN 11138-1 and USP (where applicable) compliant. The suspensions are labeled with a shelf life based on the organism. Spore Suspensions require storage under refrigerated conditions (2° - 8°C). Each vial of Spore Suspension is accompanied by a Certificate of Analysis detailing the source, assayed population, resistance characteristics on paper carrier and expiration date. 24 month shelf-life from date of manufacture. Contains 1 mL.

Item No.	Description	Qty	Qty	Your Cost
4300-01	$10^4$	pack/15	1-4	51.72
			5+	46.61
4300-02	$10^4$	pack/50	1	120.07
			2+	108.16

## B/T Sure™ Biological Indicators (Thermo Scientific)

These autoclave controls are used as a biological indicator to monitor steam-under-pressure sterilization cycles. The standard population value is  $10^5$  spores. Bacterial spores of *Bacillus stearothermophilus* have been inoculated onto a paper carrier inside a thermoplastic vial that serves as a culture tube. A small glass ampule containing sterile culture medium and color indicator is also contained in the vial. After a sterilization cycle (121° to 135°C.), there are activation and incubation steps. Acid production during growth changes the color of the medium in the ampule from purple to yellow, indicating inadequate sterilization.



Item No.	Qty	List Price	% Off List	Your Cost
3057-90	pack/100	551.00	10	495.90
3057-95	pack/5	39.50	10	35.55

## Incubator for Biological Indicators (Crosstex)

### Fits all Crosstex biological indicators

- Aluminum dry-block
- Ambient to 70° C ± 2°C / 158° ± 3.6°F
- Removable clear polycarbonate cover
- 12 well capacity, well size 13 mm

Item No.	Your Cost
4300-07	287.34

## Spore Strips Biological Indicator (Mesa Laboratories)

**Validated 24-Hour Incubation  
when used with Mesa Biological  
media!**

Spore Strips are used to validate and routinely monitor the adequacy of steam, ethylene oxide, dry heat and chemical vapor sterilization.

These strips contain both *Geobacillus stearothermophilus* in a population of  $10^9$  and *Geobacillus subtilis* in a population of  $10^6$ .

**PROCEDURES FOR USE:** A minimum of two test strips in glassine paper should be introduced into the sterilization chamber along with the material to be sterilized. At the end of the sterilization process the strips should be aseptically removed from the glassine paper and transferred to the recovery media (tryptic soy broth). The media with the strip should then be incubated at 56°C (steam) or at 35°C (Dry Heat or EO). A control strip that has not been subjected to the sterilization process also should be incubated at this time in recovery media. The tubes of media should be checked for growth as described in the instructions accompanying each package of strips.

**CERTIFICATION:** Each box of strips contains instructions for use and a certification of population and D-value. The certification also will include the expiration date.



Item No.	Qty	Your Cost
3057-96	pack/100	167.63

## Duo-Spore™ Sporestrips Biological Indicators (Propper 269065)

Biological sterility indicator monitors efficacy of steam, ethylene oxide gas or dry heat sterilization. Four inch strips prepared from suspensions of *Bacillus stearothermophilus* and *Bacillus subtilis*. Each set contains two test strips and one control strip.

Item No.	Qty	Your Cost
3057-97	pack of 25 sets	165.61

## Modified Tryptic Soy Broth with Bromcresol Purple (Mesa Laboratories)

For use with spore strip biological indicators.

Soybean Casein Digest Broth is the recommended media (as per USP) for use with Biological Indicators. Use of another media may detrimentally affect outgrowth of spore.

Manufactured and tested to meet USP and NCCLS sterility and growth promotion guidelines.



Item No.	Qty	Qty Break	Your Cost
3057-51	16mm X 100mm tubes pack/100	1-2	165.87
		3+	145.14

## ProChem Steam Sterilization Integrators (Mesa Laboratories)

Use ProChem EXTs to verify adequate steam penetration into every pack/pouch. The indicator ink changes from white to black during steam sterilization. Tests have shown that ProChem EXTs complete their color change at a time equivalent to or beyond the time needed to kill Biological Indicators (data available upon customer request).

This product has received 510K notification for use as a steam integrator at 132°C to 135°C.

- Easy to interpret
- Measures time, temperature and presence of steam
- Instant visual verification of adequate steam penetration into the pack/pouch
- Behaves as a Process Indicator at 121°C
- White to Black color change is not reversible
- An integral part of a comprehensive sterility assurance program
- Expires four years from date of manufacture

Item No.	Qty	Your Cost
3057-69	250 Indicators/box	35.14

## Autoclave Sterility Indicating Tape

Indicator bars in the tape turn black after 15 minutes of exposure to steam heat at 250°F. Lower temperatures and shorter periods of time will have no effect. 2160 inches per roll.



Item No.	Size	Qty	Qty Break	Your Cost
3057-73	3/4"	each	1-9	6.27
			10+	4.49
3057-75	1"	each	1-9	8.11
			10+	5.80

## Dry Heat Indicator Labels (Mesa Laboratories)

Clearly distinguish processed from unprocessed items when used as directed. DHI Labels received a 510K notification for use as a process indicator for Dry Heat Sterilization at 160°C. DHI Labels are manufactured in an FDA registered facility pursuant to current Quality System Regulations (QSRs). The labels are printed with a chemical indicator that changes from green to brown when exposed to Dry Heat conditions. This color change allows the technician to immediately distinguish processed from unprocessed items. Color change is non-reversible. Eliminate personnel error and confusion by applying DHI Labels to all items to be sterilized. DHI Labels also can indicate sterilizer malfunction. DHI Labels are adhesive backed allowing them to easily be applied to items.



Item No.	Qty	Your Cost
3057-57	roll/1000	34.43

## Dry Oven Sterility Indicating Tape

Bold word "Sterilized" appears in blue lettering after an operating temperature of at least 550°F./ 288°C. is reached for a minimum of 20-30 minutes. Cloth textured tape won't tear; tape must be cut with scissors. Tape sticks to almost any surface yet comes off cleanly when desired. 250" per roll.



Item No.	Size	Qty	Your Cost
3057-60	1/2"	each	44.52

## Lab Incubators (Quincy Lab)

**Affordability makes these incubators our most popular**

Compact incubators have a see-through tinted acrylic door, aluminum interior, fiberglass insulation and baked-on enamel exterior. One fixed and one adjustable chrome-plated wire shelf and a six-foot cord are standard. Full eighteen month warranty on both models.

The microprocessor controlled digital model maintains accurate settings within .5°C, even in variant ambient or power supply conditions. A temperature tracking feature stores maximum process temperature deviation from set point in 0.1° units, acting as a paperless chart recorder and helping to confirm stability and continuity. The control has a large, low-glare four-digit LED display that can be read from across the room. The readout is selectable between F and C, and selectable in either an 1.0° or 0.1° display. A continuous self-diagnostic function prompts if a malfunction occurs.



3055-60



3055-80

The analog unit has a bimetal controller, illuminated on-off pushbutton and pilot light. A laboratory thermometer is included. 18 month warranty.

### DIGITAL MODELS

Item No.	Capacity cu. ft.	Interior size W x H x D inches / cm	Exterior size W x H x D inches / cm	Temp. range	Controller accuracy	Shelf positions	List Price	% Off List	Qty Break	Your Cost
3055-60	0.7	12x10x10	13x15x10.75	5° above ambient to 60°C	±0.5°C	8	660.00	14	1	<b>567.60</b>
		30.5x25.4x25.4	33.0x28x27.3						2+	<b>541.20</b>
3055-70	2.0	18x16x12	19x21x13	5° above ambient to 60°C	±0.5°C	14	825.00	14	1	<b>709.50</b>
		45.7x40.6x30.5	48.3x53.3x33						2+	<b>676.50</b>

### ANALOG MODELS

Item No.	Capacity cu. ft.	Interior size W x H x D inches / cm	Exterior size W x H x D inches / cm	Temp. range	Controller accuracy	Shelf positions	List Price	% Off List	Qty Break	Your Cost
3055-80	0.7	12x10x10	13x15x10.75	5° above ambient to 60°C	±0.1°C	8	395.00	14	1	<b>339.70</b>
		30.5x25.4x25.4	33.0x28x27.3						2+	<b>323.90</b>
3055-90	2.0	18x16x12	19x21x13	5° above ambient to 60°C	±0.1°C	14	515.00	14	1	<b>442.90</b>
		45.7x40.6x30.5	48.3x53.3x33						2+	<b>422.30</b>

## Digital Dry Bath Incubator

**Digital for the price of analog!**

**compare & save**

- Built-in user recalibration function guarantees long term temperature accuracy
- Temperature range: Ambient+5°C to 150°C
- Operating Temperature Range: +4°C to +65°C
- Four digit LED displays time and temperature
- Save bench space with this compact model 7.8 x 9 x 3.2 in (20 x 23 x 8 cm)
- 115V AC Compatibility
- Includes block puller
- Two year warranty
- 2-block and 4-block models also available – please inquire



Item No.	Description	List Price	% Off List	Qty Break	Your Cost
3178-15	Digital Dry Bath Incubator, Single Position (block not included)	399.00	18	1	<b>327.18</b>
				2+	<b>319.20</b>
3178-19	Solid Aluminum Block 3" x 3.75" x 2", specially drilled thermometer well (heating blocks for test tube and centrifuge tubes also available – please inquire)	99.50	15		<b>84.58</b>
3178-20	Aluminum Block 3" x 3.75" x 2"; holds 24 x 1.5 mL tubes	99.50	15		<b>84.58</b>

## Economy Incubator (GQF Hova-Bator)

This super economical egg incubator can be used for general use. The adjustable thermostat can be set to hold the most common incubation temperatures.

- Temperature range 72° to 110°F (22° to 43°C)
- Includes spirit-in-glass thermometer
- 110 V. 25 Watt
- 18" x 18" x 9.5" overall size
- Easy to clean



Item No.	Mfr Item No.	Description	Your Cost
3055-14	1602N	thermal air flow	<b>54.60</b>
3055-15	2362N	circulated air flow	<b>87.80</b>

FIND IT AT WEBERSCIENTIFIC.COM



• Additional Dri-Bath Incubators

## MyTemp™ Mini Digital Incubators (Benchmark Scientific)

### Simply set and walk away!

Digital temperature controls eliminate the need for external thermometers and repetitive "fine tuning" of an analog control knob. Simply choose the desired temperature and the incubator immediately begins to heat up (or cool down, -HC model only) while accurately monitoring the chamber temperature and conveniently displaying the temperature in real time on the large LED control panel.

#### MyTemp Mini Features

- Compact footprint 13.2 x 14.5"
- Large internal chambers
- Store flasks and bottles up to 2 liters
- Adjustable shelves

#### MyTemp 65 Features

- Accurate temperature control from 0° to 60°C
- Powerful compressor maintains 0°C
- Stainless-steel internal chamber
- Internal power outlet for shaker, mixers, etc.
- Sized for floor standing use or on bench-tops less than 32" tall
- Ideal for BOD and Drosophila applications



Item No.	Mfr. Item No.	Description	List Price	% Off List	Qty Break	Your Cost
3055-00	H2200-H	MyTemp Mini, Heat Only	449.00	15	1	<b>381.65</b>
				20	2+	<b>359.20</b>
3055-01	H2200-HC	MyTemp Mini, Heat and Cool	695.00	15	1	<b>590.75</b>
				20	2+	<b>556.00</b>
3055-16	H2265-HC	MyTemp 65, Heat and Cool	2395.00	15	1	<b>2035.75</b>
				20	2+	<b>1916.00</b>

	MyTemp Mini	MyTemp 65
Temp. Range	Ambient +1°C to 60°C (3055-00) Ambient -15°C to 60°C* (3055-01)	0°C to 60°C (RT-25°C to 60°C)
Temp. Accuracy:	0.5°C (at 37°C)	0.5°C (at 37°C)
Temp. Uniformity:	+/- 1°C (at 37°C)	+/- 1.0°C (at 37°C)
Temp. Increment:	1°C	0.1°C
Platform Dimensions:	9.5 x 11.5 in. / 23.5 x 29 cm	
Operating Temp. Range	+4 to +65°C	+10 to +30°C
Exterior dimensions:	13.2 x 14.5 x 18.7 in. / 33.5 x 37 x 47.5 cm	21.25 x 21 x 39.35 in. / 54 x 53.34 x 99.85 cm
Interior: dimensions	10.3 x 9.3 x 12.8 in. / 26 x 23.5 x 32.5 cm	15.75 x 12.75 x 19.75 in. / 40 x 32.4 x 50.2 cm
Capacity:	20L, (0.75 cu. ft.)	65L, (2.3 cu. ft.)
Weight:	15 lbs / 6.5 kg	117 lbs. / 53 kg
Electrical:	120VAC, 60 Hz	120VAC, 60 Hz
Warranty:	2 Years	2 Years

\* Minimum temperature is approx. 7°C in 22°C room temp.

Other models are available by special order.

## Incufridge Hot/Cold PRO (Revolutionary Science)

The Incufridge offers flexibility when refrigerating or incubating temperature sensitive material. Each model is equipped with a PID controller and digital display.

- Wi-Fi enabled
- Allows for critical data logging to be securely stored in the cloud
- Allows for control and monitoring of the Incufridge remotely
- Alert notifications
- Can be custom programmed to specific time & temperature protocols
- Easy to use color touch screen
- Cools, heats or provides ambient environment
- Vibration free cooling system
- Incufridge may be used to store or transport samples while in the field
- 2 removable metal shelves included
- Clear inner see-through door
- Door lock for valuable samples
- Two year warranty included



3055-11

3055-03

3055-04

Item No.	Mfr Item No.	List Price	% Off List	Your Cost
3055-11	RS-IF-233	859.00	5	<b>816.05</b>
3055-03	RS-IF-233Pro	1195.00	5	<b>1135.25</b>
3055-04	RS-IF-253Pro	1695.00	5	<b>1610.25</b>
3055-05	RS-IF-273Pro	2595.00	5	<b>2465.25</b>
3055-06	RS-IF-2113Pro	3495.00	5	<b>3320.25</b>

#### Specifications

Item Number:	3055-11	3055-03	3055-04	3055-05	3055-06
Model Number:	RS-IF-233	RS-IF-233pro	RS-IF-253pro	RS-IF-273pro	RS-IF-2113pro
Chamber Capacity:	1.2 cu.ft. (33L)	1.2 cu.ft. (33L)	1.9 cu.ft. (53L)	2.6 cu.ft. (73L)	4.0 cu.ft. (113L)
Temperature Range:	7°C to 60°C (at 20°C ambient)		1°C to 75°C (at 20°C ambient)		
Precision:	±0.7°C, uniformity ±1.0°C (at 20°C ambient)				
Power Requirements:	120VAC, 60 Hz, 150 W			120VAC, 60 Hz, 300 W	
Shelves:	2 removable metal shelves				
Exterior W x D x H:	15in x 23in x 15.5in	15in x 23in x 15.5in	15in x 23in x 21.5in	15in x 23in x 27.5in	15in x 23in x 40in
Interior W x D x H:	12in x 16.5in x 10.25in	12in x 16.5in x 10.25in	12in x 16.5in x 16.5in	12in x 16.5in x 22.5in	12in x 16.5in x 35in

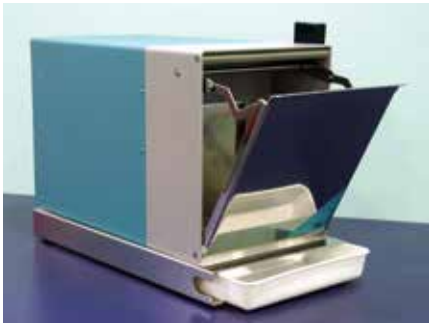
800-328-8378

#### ACCESSORIES: FOR INCUBATORS



Incubator Thermometers see pages 210-221.

APPARATUS



### Masticator® Mixer (IUL Instruments)

Used for solid and semisolid samples by applying pressure to samples with metal spring paddle action. Homogenization is produced through a combination of crushing and stirring. Stainless steel compartment and hinged door for easy cleanup in case of leaks. Maintenance free with self-lubricating parts.

- Compact size, economical cost
- Reduce work load on lab technician
- Long tradition of reliability and robustness
- Use metal springs to move the paddles and not a belt
- Small bench space required due to its long rather than wide design
- Viewing window option (panoramic models) for better monitoring of sample condition

Model	Classic Basic
Capacity	up to 400 mL samples
Motor speed	1500 rpm
Reduction	1:6
Strokes per second	10
Timer	analog, 15 to 90 seconds or continuous
Start/Stop	door activated
Power	110 V; 60 Hz
Dimensions	240 x 260 x 400 mm / 9.5" x 10.2" x 15.7"
Weight	41.25 lbs. / 18.7 kg.
Warranty	3 year on all parts

Item No.	Description	Qty Break	Your Cost
3068-68	Mixer	1	<b>2648.87</b>
		2+	<b>2511.25</b>
3068-69	optional stand and tray		<b>301.00</b>

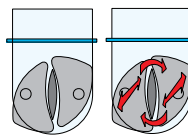
FIND IT AT [WEBERSCIENTIFIC.COM](http://WEBERSCIENTIFIC.COM)

- [Smasher™ Lab Blender](#)
- [Lab Blender from Gosselin](#)
- [MagNA Lyser from Roach](#)



### Stomacher® 400 Circulator (Seward)

Offers fast reliable blending and homogenizing of laboratory samples. Paddles apply pressure to a sample within a sterile, disposable sample bag. Contents are blended and homogenized, effectively washing out deep-seated organisms. Laboratory samples can be collected, transported, processed and disposed of without ever being handled. Paddle design produces homogenization by a combination of crushing and stirring. When the door is closed, curved paddles combined with an island baffle inside the door chamber and round bottom bags mold the bag contents into a tubular ring. In operation, the paddles crush the sample and circulate the suspended debris and diluent. In this process, the diluent and sample are extruded under pressure past the island baffle, and are vigorously stirred from top to bottom.



- Three-year warranty
- One touch user-programmable time and speed functions
- Three paddle speeds and times from 1 second to 99 minutes 59 seconds
- Auto-run-for "hands free" operation
- Timer that can be set for 30, 60 or 120 seconds or can run continuously.

Capacity	80-400 mL (2.7-13.5 ounces)
Power	110 V., 60 Hz, 420 watts single phase.
Dimensions	13.25x11x12.7 / WxDxH, in./cm
Weight	51 lbs. / 23 kg

Item No.	List Price	% Off List	Qty Break	Your Cost
3068-48	5480.00	20	1	<b>4384.00</b>
		22	2+	<b>4274.40</b>



### easyMIX® Lab Blender (AES-Chemunex)



This is a well-built and reliable lab homogenizer with a noticeably quiet operation. It is constructed with an all steel stainless chamber and blending paddles, with electronic protection of the motor. easyMIX features a digital control display, programmable timer (10 seconds to 3 minutes or continuous), and an automatic cycle start upon door closing. Along with a wash-down keypad it is truly designed for easy and rapid cleaning, with a fully opening door and removable paddles.

Conveniently handles both 80 and 400 mL sample bags. Make no mistake, the easyMIX is a powerful lab blender – it even homogenizes carrots efficiently and quickly!

Solid two-year warranty and strong service and parts support.

Speed cycle	240 per minute
Power	115/230 V; 50/60 Hz
Dimensions	24"W x 16"D x 11"H (600 x 400 x 265 mm)
Weight	48 lbs. (18 kg)

Item No.	List Price	% Off List	Qty Break	Your Cost
3068-62	2700.10	5	1	<b>2565.10</b>
		10	2	<b>2430.09</b>
		15	3+	<b>2295.09</b>

Item No.	Description	Your Cost
3068-65	optional waste drawer	<b>423.93</b>

### ACCESSORIES: FOR STOMACHERS



Bags for Lab Blenders see pages 149-150, 164.



## BeadBug Microtube Homogenizer (Benchmark Scientific)

- Extremely powerful mixing for lysis, grinding or homogenization
- Faster, more effective than tissue grinders
- Mix 1, 2 or 3 tubes simultaneously
- Extremely compact, less than 7" wide
- Eliminates the cross contamination associated with hand held homogenizers

The BeadBug™ is a high energy benchtop homogenizer that sets the performance standard for personal sized cell disruption and lysis instruments.

Simultaneous homogenization of up to 3 samples takes place (often within 45 seconds) inside the disposable 2ml screw cap micro-tubes. The optimized mixing motion causes rapid cell disruption through constant high velocity impact from the hardened micro-beads chosen specifically for your sample type.

Developed for samples too tough to be homogenized in a common lab vortexer, the BeadBug provides a convenient and economical alternative to the traditional, over-priced homogenizers on the market today. With up to three tube capacity and a foot print of just 7 x 8", the BeadBug is the ideal homogenizing instrument for low to medium throughput laboratories.

Speed Range:	2700 to 4000rpm
Capacity:	3 x 2.0ml (Screw Cap / Non-Skirted)
Timer:	3 sec. to 3 min.
Dimensions:	6.9 x 8.3 x 5.3 in./ 17 x 21 x 13.5 cm
Weight:	5 lbs / 2.2kg
Warranty:	Two Years

Item No.	Mfr Item No.	List Price	% Off List	Your Cost
4162-52	D1030	749.00	15	<b>636.65</b>



## BeadBlaster™ 24 Microtube Homogenizer (Benchmark Scientific)

- Fast, efficient homogenization in about 35 seconds
- For all sample types, from soft tissue to bone
- Mix up to 24 tubes simultaneously
- Sealed 2.0 mL tubes - eliminates cross contamination

The BeadBlaster™ 24 completely lyses, grinds and homogenizes a broad variety of biological samples. Even the most difficult and resistant samples are fully homogenized, often in 35 seconds or less.

The stainless steel tube carrier subjects up to 24 samples to an optimized, high speed, 3D motion, producing high energy impacts between the samples and micro-beads to release cellular contents. After homogenization, samples can be centrifuged and the supernatant collected for further processing.

Operating parameters for the BeadBlaster 24 are set and displayed digitally. To protect fragile, heat sensitive samples, the unit can be programmed to operate in shortened consecutive cycles with a rest period in between. Up to 50 such programs can be stored in memory and recalled for future use.

Speed Range:	4.0 to 7.0 m/s (0.05 m/s increments)
Capacity:	24 x 2.0 mL
Cycle Time:	1 to 90 sec. (up to 90 sec.)
Pause Between Cycles:	0 to 2 min. (1 sec. increments)
Max. Cycles per Program:	10
Program Memory:	up to 50
Accel. / Decel. Time:	<2 sec. / <2 sec.
Noise Level:	<68 db
Dimensions:	11" W x 14.2" D x 15.2" H
Weight:	55 lbs
Electrical:	115V with US Plug, 50-60Hz
Warranty:	2 Years

Item No.	Mfr Item No.	Your Cost
4162-65	D2400	<b>6495.00</b>



## GeneReady homogenizer

GeneReady homogenizer is an open, fast efficient high-throughput sample preparation system. It can run up to 24 samples. The GeneReady system can process various sources of samples, including soil, plant tissue, animal organs, bacteria, yeast, fungus, spore, paleontology specimen, etc.

With its patented cooling function, the system can break the cytoderm rapidly, especially for difficult and sensitive samples, such as RNA or protein. Using a longer processing time at the lower temperature, it releases the genomic DNA, RNA or proteins easily. It has advanced microprocessing technology to ensure the exact temperature control.

With the 5.7" colorful touch screen display, it is intuitive and convenient to set protocols and run up to 10 programs directly with the shortcut of the interface.

It has three-dimensional high-speed motion. Grinding beads shear and grate each other, using formula reagents to lyse cell wall/membrane as well as to protect the nucleic acid protein, to achieve the extraction of target DNA, RNA or protein.

Sample capacity	24x2.0ml
Vibration speed	2.0-6.5m/s, 0.05m/s change step
Program number	99
Cycler number	Max. 99
Single max. time	99m59s
Noise level	≤58dB
Display screen	5.7" touch screen
Dimensions	380x280x330mm (LxWxH)
Power supply	120V
Weight	18kg

Item No.	Mfr Item No.	Your Cost
4162-55	D11053	<b>6025.00</b>

## Laboratory Blenders (Waring)

*Commercial quality classics built for many years of daily use*

- Enameled metal base
- UL listed
- 1 liter container capacity
- One year warranty



3061-00      3061-01



3012-40



3061-80

Item No.	Mfr. Model No.	Description	Container size oz. / liter	Height in. / mm	Amps	HP	RPM	List Price	% Off List	Qty Break	Your Cost
<b>3061-00</b>	700G	Single speed, glass container	35 / 1.2	16 / 406	3.6	0.4	22,000	427.34	20	1	<b>341.87</b>
<b>3061-01</b>	700S	Single speed, stainless steel container	34 / 1	14 / 356				549.72	25	2+	<b>320.51</b>
<b>3012-40</b>	7012G	7-speed, glass container	35 / 1.2	16 / 406	7.0	0.7	3,500 to 22,000	879.05	10	1	<b>791.15</b>
<b>3012-41</b>	7012S	7-speed, stainless steel container	34 / 1	14 / 356				995.30	12	2+	<b>773.56</b>
<b>3061-03</b>	CAC32	Replacement glass container with lid						121.28	10		<b>109.15</b>
<b>3061-05</b>	CAC3	Replacement stainless steel container with lid for single and 7-speed blenders						215.53	10		<b>193.98</b>

## 12-Speed Laboratory Blender (Osterizer)

- Continuous run or pulse control at every speed
- Powerful 1/3 HP, 450-watt motor, 110 V, 450 watts
- Stainless steel blade assembly

Item No.	Description	Capacity oz. / liter	Your Cost
<b>3061-80</b>	Plastic container	48 / 1.4	<b>54.76</b>
<b>3061-83</b>	Replacement plastic container	48 / 1419	<b>23.71</b>
<b>3061-84</b>	Replacement glass container	40 / 1183	<b>21.40</b>

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• Platform Mixer

## **NEW!** LC-8 Plus Laboratory Centrifuge (Benchmark Scientific)

- Digital Speed control up to 5,000 rpm
- Safety lid-lock, prevents opening lid until rotor stops
- Unique air-flow design keeps samples cool
- 8 tube capacity, for tubes up to 15mL



The LC-8 Plus laboratory centrifuge is uniquely designed to meet a wide range of applications in the research laboratory. An eight position rotor is included and designed to directly accept 10mL and 15mL test-tubes (conical or round bottom), while optional adapters are also available for use with all popular sizes of culture tubes. Unlike most compact centrifuges in this class, the rotor can be easily removed from the chamber for cleaning.

The back-lit, liquid crystal display provides full control over the set run time and rotational speed. The rotational speed can be set/viewed in rpm or rcf and acceleration/deceleration levels can be easily adjusted. An advanced imbalance detection system constantly monitors the balance and vibration, automatically bringing the rotor to a stop if an imbalance is detected.

Speed:	400 to 5000rpm (3070xg)
Capacity:	8 x 15 mL
Accel. / Decel.:	19 sec. / 39 sec.
Speed Increment:	100rpm increments
Timer:	20 sec. to 99 min. or continuous
Dimensions:	11.6 x 14.4 x 8.3 in.
(w x d x h)	29.5 x 36.5 x 21 cm
Weight:	15 lbs. / 6.8 kg
Electrical:	120V
Warranty:	2 Year

Item No.	Mfr Item No.	Description	List Price	% Off List	Your Cost
<b>3111-05</b>	C3200	LC-8 Plus Laboratory Centrifuge	599.00	35	<b>389.35</b>
<b>3111-08</b>	C3100-ADP	Optional adapters for 2, 5, and 7 mL centrifuge tubes 8/pk	89.00	10	<b>80.10</b>



**NEW!** **MyFuge™ Mini Centrifuge** (Benchmark Scientific)

- Clik-N-Lok™ INSTANT rotor attachment
- Eight position microtube rotor
- Storage compartment for PCR rotor & 0.5 mL adapters
- Near silent operation
- Decelerates in just one second
- Four position PCR strip rotor



The MyFuge™ Mini centrifuge is a personal centrifuge that virtually fits in the palm of your hand. Ideal for quick spin downs of microtubes and PCR tubes, the MyFuge is extremely easy to use. Simply close the lid and the rotor instantly reaches 6,000 rpm. Open the lid, and the rotor quickly decelerates to a stop for removing samples.

An increased capacity, eight-position microtube rotor is included and comes installed. Also included is a second rotor for 0.2 mL PCR tubes and strips which is stored (together with the rotor removal key) in a convenient compartment on the bottom of the centrifuge. When the rotor is not in use, storage in this compartment prevents loss or misplacement of the rotor.

Speed:	6,000 rpm / 2,000 xg
Capacity:	8 x 1.5/2.0 mL tubes 32 x 0.2 mL tubes 4 x PCR Strips
Dimensions:	5.7 x 6.9 x 4.5 in. (w x d x h) 14.5 x 17.8 x 11.4 cm
Weight:	2.2 lbs. / 1 kg
Electrical:	120V
Warranty:	1 Year

Item No.	Mfr Item No.	Description	List Price	% Off List	Your Cost
3111-00	C1008-C	MyFuge™ Mini Centrifuge	269.00	15	228.65

**Micro Star 17 Centrifuge** (VWR International)

The Micro Star 17 microcentrifuge combines power, versatility and convenience in a safe, compact, easy-to-use laboratory instrument. The ventilated Micro Star 17 is designed to accelerate the routine sample preparation process. The special biocontainment rotor lid for one click rotor opening and closing shortens retrieval time compared to screw on lids.



- Quiet and powerful performance up to 17,000 x g
- 'Click' biocontainment rotor lid keeps the user and the samples safe
- Easy operation; intuitive controls and bright, easy to read displays

Max. speed (min-1)	13,300
Max. RCF (xg)	17,000
Timer	1 – 99 min (in increments of 1 min) + Hold mode
Noise level (dB(A))	<56
WxDxH (mm) / (in)	225 x 243 x 352 / 8.9 x 9.6 x 13.9

Item No.	Mfr. Item No.	Description	Your Cost
4162-20	521-1646	Micro Star 17 centrifuge, 110 V	2220.00

**NEW!** **MyFuge™ 12 Mini Centrifuge** (Benchmark Scientific)

- COMBI-Rotor for tubes and strips
- Twice the capacity of most mini centrifuges
- Near silent operation
- Starts and stops with closing/opening of the lid
- Conserves valuable bench space



Unlike traditional mini centrifuges, the new MyFuge™ 12 eliminates the need to change rotors when switching between microtubes and PCR strips. The included, unique COMBI-Rotor™ is all that is required for running 12 microtubes and/or 4 PCR strips. With a fixed speed that produces 2,000 xg, this centrifuge is perfect for quick spin downs. Simply close the lid and the unit quickly ramps up to 5500 rpm. Open the lid, and the rotor quickly decelerates for removal of samples.

At just 5.5 inches wide and less than 4.5 inches tall, the MyFuge 12 truly is a personal centrifuge with unmatched capacity and flexibility.

Speed:	5,500 rpm / 2,000 xg
Capacity:	12 x 1.5/2.0 mL tubes 32 x 0.2 mL tubes 4 x PCR Strips
Dimensions:	5.75 x 8 x 4.25 in. (w x d x h) 14.6 x 20.3 x 10.8 cm
Weight:	2.2 lbs. / 1 kg
Electrical:	120V, 50-60 Hz, 300W
Warranty:	1 Year

Item No.	Mfr Item No.	Description	Qty	List Price	% Off List	Your Cost
4068-00	C1012	MyFuge™ 12 mini centrifuge	Each	359.00	15	305.15
4068-05	C1008-A2-6	0.2 mL Tube Adapter	pack/6	19.00	15	16.15

**NEW!** **MiniMag™ Magnetic Stirrer** (Benchmark Scientific)

The MiniMag™ is a very compact stirrer with a square footprint of under 5 inches. Despite its modest dimensions, the 3.4 inch square work surface accepts a wide variety of beakers, flasks, bottles and other laboratory vessels for stirring volumes as large as 1.5 liters.



The stirring speed is continuously adjustable from 100 to 1500rpm. For temperature sensitive samples, the MiniMag is incubator and cold-room safe for use from +4°C to +45°C.

Speed Range:	100 to 1500 rpm
Platform Dimensions:	3.4 x 3.4 in./ 8.5 x 8.5 cm
Operating Temp. Range:	+4 to +45°C
Max. Stir Bar:	30mm
Dimensions (w x d x h):	4.7 x 4.7 x 1.2 in. / 12 x 12 x 3 cm
Weight:	0.45 lbs (0.2kg)
Electrical:	120V
Warranty:	1 Year

Item No.	Mfr Item No.	Description	List Price	% Off List	Your Cost
3067-86	S1005	Magnetic Stirrer	99.00	20	79.20

## Vortex Mixer

**Economical and powerful**

compare & save

BenchMixer™ provides smooth instant mixing of even the largest sample sizes, including full 50 mL tubes. The unique counter balance system creates maximum vortex action, while minimizing noise and vibration. Other features include: "no-walk" suction feet, cold room/incubator compatibility and spill-proof electronic controls.

- Powerful motor for INSTANT vortexing
- Q-Drive™ dynamic balance system
- Touch or continuous operation
- Variable speed control from 200 to 3200 rpm



3067-83



3067-70

Speed Range	200 to 3200 rpm
Operating Modes	Touch or continuous
Operating Temp Range	+4°C to +65°C
Dimensions	5 x 6.3 x 6.7 in (13 x 16 x 17 cm)
Weight	8.4 lbs / 3.8 kg
Electrical	115V AC
Warranty	2 years

Item No.	Description	List Price	% Off List	Qty Break	Your Cost
3067-83	Vortex Mixer	239.00	15	1	203.15
			20	2+	191.20
3067-84	3" Flat Head	29.50	15		25.08

## Maxi Mix® Vortex Mixer (Thermo Scientific M16715)

Ideal for antibiotic residue work and a broad variety of lab mixing jobs. ±3,000 rpm fixed speed for fast, uniform mixing of test tube contents. Convenient top-mounted push button on/off switch can be activated with either finger or test tube. The soft foam rubber pad permits vortex mixing of 1 to 4 tubes simultaneously; also good for mixing contents of small flasks with closed tops. 120 V., 50/60 cycle. Dimensions: 5.5" X 4.2" X 5.5" (13.9 X 10.6 X 13.9 cm). One year limited warranty.

Item No.	List Price	% Off List	Your Cost
3067-70	396.00	20	316.80

## Scienceware® Stirring Bar (Bel-Art Scienceware 37110)

Octagon, Teflon®-coated, with integral pivot ring.



Item No.	Size	List Price	% Off List	Your Cost
3068-15	1" x 5/16"	5.25	20	4.20
3068-20	1 1/2" x 5/16"	5.80	20	4.64
3068-25	2" x 5/16"	7.25	20	5.80

## Spinbar® Magnetic Retrievers (Bel-Art Scienceware)

Polyethylene rod. 3/8" (9.5mm) diameter with hang-up loop.



Item No.	Size	List Price	% Off List	Your Cost
3310-05	12" (305mm)	14.85	20	11.88
3310-10	18" (457mm)	17.20	20	13.76

## Magnetic Stir Bar Arrester (Bel-Art Scienceware)

Place this device against the bottom of your container prior to emptying to hold the stir bar in place. 2" (51mm) diameter X 3/8" (9.5mm) thick.



Item No.	List Price	% Off List	Your Cost
3310-20	22.35	20	17.88

## Non-Contact Stirring Bar Retriever (Bel-Art Scienceware)

Removes stir bar magnets from the outside of vessel. 3" (76mm) long. Polyethylene.



Item No.	Your Cost
3310-15	10.09

## Extra Strong Stir Bar (Bel-Art Scienceware)

Reduce spinout in viscous solutions

- 3X stronger stirring power
- Samarium Cobalt magnet
- Green Teflon® PTFE coated



Item No.	Mfr Item No.	Size inches / mm	List Price	% Off List	Your Cost
3068-07	37102-1238	1/2 x 3/8 / 13 x 9.5	8.40	20	6.72
3068-08	37102-138	1 x 3/8 / 25.4 x 9.5	12.35	20	9.88
3068-09	37102-0238	2 x 3/8 / 51 x 9.5	26.20	20	20.96
3068-10	37102-0003	3 x 1/2 / 76 x 130	30.35	20	24.28

## Spinpak® Stirring Bar Assortment (Bel-Art Scienceware 37163)

Color-coded. Six octagon stirring bars, Teflon® PTFE coated with pivot ring. Contains two of each: yellow, red, blue, all 1" x 5/16".



Item No.	List Price	% Off List	Your Cost
3068-11	40.65	20	32.52

## Spinbox™ Stirring Bar Assortment (Bel-Art Scienceware 37180)

Octagon Shape - 16 assorted bars (standard & micro). 12 standard bars with pivot ring: 2 each of the following sizes: Inches (1/2" x 5/16"); (5/8" x 5/16"); (1" x 3/8"); (1-1/2" x 3/8"); (2" x 3/8"); (2-1/2" x 3/8"). 2 micro flea bars of each size: 7 x 2mm and 10 x 3mm.



Item No.	List Price	% Off List	Your Cost
3068-13	105.60	20	84.48

## Digital Magnetic Stirrer, Hot Plate, Hot Plate Magnetic Stirrer

**Exceptionally durable, chemical resistant white ceramic work surface.**

The digital hotplates, stirrers and hotplate-stirrers feature an exceptionally durable, chemical resistant, white ceramic work surface. Their space-efficient design (7 X 10.5 in. footprint) makes them ideal for use on crowded bench tops and inside hoods.

Advanced microprocessor controls allow quick, precise adjustment of speed and temperature. The large, backlit LCD display provides constant visualization of the speed and temperature while a safety LED indicates when the top plate is above 50°C. In addition, an optional probe is available for applications that require precise temperature control. When connected, the probe provides direct feedback to the microprocessor, which continuously adjusts and maintains the selected temperature in the sample within +/- 0.5°C. 24 month warranty.

Item No.	3067-74	3067-77	3067-80
Description	Hot Plate Stirrer	Hot plate	Stirrer
Temp Range	+5 - 380°C / 122 - 716°F	+5 - 380°C / 122 - 716°F	N/A
Stirring Speed Range, RPM	200 - 1500	N/A	200 - 1500
Shipping Weight, Lbs.	5	5	5
Surface Depth x Width	6.5" x 6.5" (16.6 cm x 16.6 cm)		
Size DxHxW	7" x 10.5" x 4" (18cm x 26cm x 10.1cm)		
Electrical Data	120V, 50-60Hz 500W		

Item No.	Description	List Price	% Off List	Qty Break	Your Cost
<b>3067-74</b>	Hot Plate Stirrer	440.66	20	1	<b>352.53</b>
			30	2+	<b>308.46</b>
<b>3067-77</b>	Hot Plate	254.18	20	1	<b>203.34</b>
			30	2+	<b>177.93</b>
<b>3067-80</b>	Stirrer	292.18	20	1	<b>233.74</b>
			30	2+	<b>204.53</b>
<b>3067-81</b>	Optional Temperature Probe	99.00	15		<b>84.15</b>



## Cimarec® Digital Stirrer, Hot Plate, Hot Plate Stirrer (Thermo Scientific)

Easy-to-read digital display indicates temperature settings, adjustable in 5° increments, from 5° up to 540°C (41° to 1004°F), depending on model. Microprocessor-controlled feedback technology maintains consistent, repeatable temperature settings. Ideal for labs that perform repetitive procedures. Hot surface alert safety systems protect from accidental burns. Bright red warning lights signal when heating surface is above 50°C (122°F). Unit display flashes "HOT" - "OFF" when heating is turned off, until heating surface is below a cool 50°C. Seamless reflective white ceramic top enhances sample visibility and provides an easy-to-clean and alkali/acid resistance surface. Flat top and high-wattage heating elements combine to provide superior heating transfer and fast time-to-boil. Rugged low-profile cast aluminum body provides stability and durability.

On stirring models, the unique StirTrac™ technology offers improved slow speed stirring, consistent speed control and stronger magnetic coupling. The StirTrac braking feature brings the stir bar to an immediate stop for quick flask removal. Includes 2" x 3/8" dia. TFE-coated stir bar.

Accommodates sample weights to 25 lb (11.3 kg). Supplied with detachable cord. 24 month warranty.

Item No.	3067-20	3067-30	3068-05
Mfr. Item No.	SP88857100	HP88857100	S88857100
Description	Hot Plate Stirrer	Hot plate	Stirrer
Operating Temp Range	5 - 540°C/41 - 1004°F	5 - 540°C/41 - 1004°F	N/A
Stirring Speed Range, RPM	50 - 1200	N/A	50 - 1200
Surface Depth x Width	7.25" x 7.25" (18.4 cm x 18.4 cm)		
Size DxHxW	13" x 3.8" x 8.2" (33 cm x 9.7 cm x 20.8 cm)		
Shipping Weight	11.2 (5.1 kg)	9.7 (4.4 kg)	11.0 (5.0 kg)
Volts/Watts/Amps/Hertz	120/1040/8.6/50-60		

Item No.	List Price	% Off List	Your Cost
<b>3067-20</b>	489.00	15	<b>415.65</b>
<b>3067-30</b>	280.00	15	<b>238.00</b>
<b>3068-05</b>	293.00	15	<b>249.05</b>



800-328-8378

### ACCESSORIES: FOR STIRRERS, MIXERS



Babcock Test Shaker see website.  
LactiCheck Sample Rocker see website.

APPARATUS


**4051-54**

## Water Bath, Circulating (Techne)

FDA 2400 requires a circulating water bath for butterfat and coliform test applications. The constant temperature controller features a powerful pressure circulating pump and a rugged, splash-proof case, with all submerged parts being made of either stainless steel or high-temperature plastic. The controller is designed to fit onto the insulated bath, which is made out of a stainless steel interior and baked enamel exterior case.

Three year warranty.

Catalog No.1069-14 has the depth necessary for the Gerber and Babcock tests.

Item No.	<b>4051-54</b>	<b>1069-14</b>
Mfr Item No.	8/TE-10D	26/TE-10D
Temperature range °C 5° above ambient	to +120	to +120
Temperature selection	<b>digital</b>	<b>digital</b>
Temperature stability using water @40°C	+/- 0.01	+/- 0.01
Accuracy	+/-1.0	+/-1.0
Pump capacity (liters/min)	10	10
Method of control	PID	PID
Temperature sensor	PRT	PRT
Adjustable over temperature cut out	Yes	Yes
Low liquid level cut-out	Yes	Yes
Overall size L x W x H (mm/inches)	265 x 325 x 172	530 x 325 x 222
Top of bath to liquid level max depth (mm/inches)	65 / 2.6	65 / 2.6
Internal dimensions L x W x H (mm/inches)	240 x 300 x 150 / 9.5 x 11.8 x 5.9	505 x 300 x 200 / 19.9 x 11.8 x 7.8
Working length to thermoregula- tor (mm/inches)	115 / 4.5	380 / 15
Working depth max/min (mm/inches)	130-100 / 5.1-3.9	180-150 / 7.1-5.9
Working capacity max/min (liters)	8.0/6.0	26.0/20.5

Item No.	Capacity Liter	List Price	% Off List	Qty Break	Your Cost
<b>4051-54</b>	8	1981.00	15	1	<b>1683.85</b>
			20	2+	<b>1584.80</b>
<b>1069-14</b>	26	2144.00	15	1	<b>1822.40</b>
			20	2+	<b>1715.20</b>

## **NEW!** Dual Poly ProBath (Revolutionary Science RS-PB-200)



The Dual Poly ProBath has two 5.5 liter polypropylene chambers. The chamber's polypropylene surface is resistant to corrosion and chemical attack, also the glossy finish is non-stick for an easy clean up. The digital display and controls make these units great for all general purpose laboratory applications!

- Large digital display
- Simple two-button operation
- Clear instructions printed on front label.
- Impact resistant, see-through polymer cover
- Built-in handles provide easy gripping
- Patented WaveOn sensing technology prevents low water situations
- Non-circulating
- 4 hour warm-up required

### Wi-Fi Poly ProBath units come equipped with:

- Wi-Fi - no expensive software needed
- Log data to the cloud or computer
- Control and monitor the Poly Pro Bath remotely

### Specifications

Display:	3 digit, 0.1°C increments
Power requirements:	120 VAC, 60 Hz
Net weight:	16 lb. (shipping weight 17 lb.)
Temperature range:	Ambient to 99.9°C
Capacity:	5.5 liters per chamber, 11 liters total
Warranty:	2 year, repair or replacement
Outside dimensions:	56 cm wide x 45.5 cm deep x 14.7 cm tall (22"x17.9"x5.8")
Inside dimensions:	32 cm wide x 17 cm deep x 13.3 cm tall, (12.625"x6.75"x5.25")

Item No.	Mfr Item No.	Description	List Price	% Off List	Your Cost
<b>1068-78</b>	RS-PB-200	Dual Poly Water Bath	898.00	5	<b>853.10</b>
<b>1068-77</b>	RS-PB-250	Wi-Fi Dual Poly Water Bath	1099.00	5	<b>1044.05</b>

## Water Bath Balls (Techne)

### Inexpensively controls heat loss

Polypropylene balls are hollow and are recommended for chemical and temperature resistance.

- Inexpensive
- Control heat loss for heated liquids
- Control cold loss for cooled liquids
- Reduces fumes
- Stop odors
- Conserve expensive chemicals
- Avoid splashing and condensation
- Save energy



ItemNo.	Mfr Item No.	Dia. mm/inch	Qty	Your Cost
<b>1069-30</b>	4011000	20 / 0.8	pack/500	<b>117.65</b>
<b>1069-38</b>	4011100	38 / 1.5	pack/100	<b>103.09</b>

## Water Bath, Poly ProBath (Revolutionary Science RS-PB-100)

*Less than half the cost of comparable water baths*

Double insulation polypropylene chamber is resistant to corrosion and chemical attack, and glossy finish is non-stick for easy clean up and removal of mineral deposits. Equipped with a low water detection system and will sound an alarm and shut off power to the heater if the water level is below one inch. Non-circulating.

- Large digital display.
- Simple two button operation.
- Clear instructions printed on front label.
- Four hour warm up required.



Display:	3 digit, 0.1°C increments
Temperature controller:	Digital microcomputer
Temperature range:	25°C to 99.9°C
Temperature uniformity:	±0.4°C
Power requirements:	120 VAC, 60 Hz, 150 W, 1.3 A
Net weight:	6 lb. (shipping weight 7 lb.)
Capacity:	5.5 liters
Cover:	Impact resistant, see through polymer cover
Outside dimensions:	40 cm wide x 25 cm deep x 17 cm tall (15.75" x 9.875" x 6.75")
Inside dimensions:	32 cm wide x 17 cm deep x 13.3 cm tall, (12.625" x 6.75" x 5.25")
Warranty:	2 year, repair or replacement

Item No.	Mfr Item No.	Description	List Price	% Off List	Your Cost
1068-75	RS-PB-100	Poly Water Bath	559.00	5	531.05
1068-76	RS-PB-150	Wi-Fi Poly Water Bath	699.00	5	664.05

## Precision™ General Purpose Water Baths (ThermoFisher)

This general purpose water bath is designed to maintain water temperature from ambient to 100°C. Over-temperature safety circuitry is designed to prevent thermal runaway, while auto-on and auto-off timers allow you to optimize operation schedules. Benefit from outstanding chemical and corrosion resistance with epoxy powder-coated exterior, easily clean the chamber with its seamless stainless steel interior. Lid included.



### Specifications

Temperature Range (Metric)	Amb. to 100°C
Heating Capacity	1200W
Bath Volume	20L (5.3 GAL)
Cabinet Material	Epoxy Powder Coated Cold Rolled Steel
Chamber Material	304 Stainless Steel
Temperature Presets	4
Temperature Uniformity	±0.2 °C
Amperage	9.0-10.5 / 4.3-5.0 (120V/230V)
Dimensions (L x W x H) Exterior	15.4 x 21.8 x 9.2 in. (392 x 555 x 233mm)
Electrical Requirements	100-115V/200-230V, 50/60Hz
Temperature Stability	±0.1 °C

Item No.	Mfr Item No.	Description	List Price	% Off List	Your Cost
1069-04	TSGP20	General purpose water bath	1506.00	20	1204.80

## NEW! Calibration Weights (Benchmark Scientific)

Individual Class F1 weights are available in 100g, 200g and 500g sizes. Two stainless steel Class M1 weights, 1 kg and 2kg, are for calibrating larger capacity balances and scales with 1 g to 0.1 g readability. All individual weights are supplied in plastic screw cap containers.



Item No.	Mfr. Item No.	Description	List Price	Qty Break	% Off List	Your Cost
3109-91	W1000-100	Calibration weight, 100g, class F1	50.00	1 2+	10 20	45.00 40.00
3109-92	W1000-200	Calibration weight, 200g, class F1	60.00	1 2+	10 20	54.00 48.00
3109-93	W1000-500	Calibration weight, 500g, class F1	80.00	1 2+	10 20	72.00 64.00
3109-94	W1005-1000	Calibration weight, 1kg stainless steel, M1	75.00	1 2+	10 20	67.50 60.00
3109-95	W1005-2000	Calibration weight, 2kg stainless steel, M1	125.00	1 2+	10 20	112.50 100.00
3109-96	W1000-TFT	Tweezers, for handling calibration weights	20.00	1 2+	10 20	18.00 16.00

## NEW! Calibration Class E2 Weight Sets (Benchmark Scientific)

The Premium Class E2 Weight Set is ideal for calibration of analytical balances with a 0.0001 g readability. Precision manufactured from high purity, 316 stainless steel (7.96kg/dm<sup>3</sup>), these weights are corrosion resistant with magnetic susceptibility <0.005. The set includes 6 weights, 100mg to 100g, for checking repeatability, cornerload, linearity and span. The weights are supplied in a protective case with tweezers, a cleaning cloth and a certificate of verification.



Item No.	Mfr. Item No.	Description	List Price	Qty Break	% Off List	Your Cost
3109-89	W1101-6-100	100mg, 10gm, 2x 20gm 50gm, 100gm	450.00	1 2+	10 20	405.00 360.00

## NEW! Calibration Class F1 Weight Sets (Benchmark Scientific)

Precision, compact, and portable balances (readability 0.1 to 0.001 g) can be calibrated with the Basic Class F1 Calibration Set. Included in the set are 23 stainless steel cylindrical and leaf weights, 1 mg to 200g. Cylindrical weights are marked with their nominal value. All are supplied in a protective case along with tweezers, a cleaning cloth and dust brush.



Item No.	Mfr. Item No.	Description	List Price	Qty Break	% Off List	Your Cost
3109-90	W1100-200	Basic class F1 calibration weight set	369.00	1 2+	10 20	332.10 295.20

800-328-8378

### ACCESSORIES: FOR WATER BATHS



Water Bath for Babcock Test see website.

APPARATUS

## Scout™ Balance (Ohaus SPX222)

### Superior performance in a portable balance

Ideal for laboratory and industrial applications, the OHAUS Scout comes in a slim, stackable design with large backlit LCD. Features include superior overload protection, multiple weighing units and application modes. Geared for high performance in your facility with fast stabilization time and high resolution weighing results, these portable balances set a new standard in laboratory and industrial weighing.



#### Features include

- Programmable auto shut-off for prolonged battery life
- Built in security bracket
- Sealed front panel and molded spill ring
- Weigh below hook for density/specific gravity measurements
- Battery or AC powered
- Large, high contrast LCD display
- Removable stainless steel weighing surface
- Optional RS232, USB device, USB host, Ethernet, Bluetooth connectivity accessories not included
- Two year warranty

Item No.	1067-08	1067-09
Capacity (g)	220	420
Readability (g)	0.01	0.1
Repeatability (Std. dev.) (g)	0.01	
Linearity (g)	±0.01	
Weighing modes	g, oz, ozt, dwt, parts counting	
Tare range	to capacity by subtraction	
Over range capacity	103%	
Stabilization time	1-1.5 seconds	
Operating temperature range	50°-104°F/10°-40°C	
Power requirements	AC Adapter (supplied) or 4 (AA) batteries (not included)	
Calibration	digital calibration from keypad	
Display (in/mm)	Full color touch screen (109.2mm / 4.3 in) or LCD with backlight	
Pan size (in/mm)	4.7 / 120	
Dimensions W x H x D (in/mm)	8 x 2.1 x 8.8 / 202 x 54 x 224	
Net Weight (lb/kg)	2.2/ 1	

Item No.	Mfr. Item No.	List Price	% Off List	Qty Break	Your Cost
1067-08	SPX222	437.00	22	1	<b>340.86</b>
			30	2+	<b>305.90</b>
1067-09	SPX422	612.00	22	1	<b>477.36</b>
			30	2+	<b>428.40</b>

## Compact Scale (Ohaus CS Series)

### A Best Seller



1067-17

Ohaus Compact Scales are for when cost matters. They have a wide variety of applications, more than any other scale in their class. The three portable models range in capacities from 200g to 5000g, and are perfect for use in light production or in the field. Easy operation, long battery life, low battery indicator, overload protection to protect weighing cell from damage, auto shut-off, rugged plastic construction and tactile feedback keypad.

ties from 200g to 5000g, and are perfect for use in light production or in the field. Easy operation, long battery life, low battery indicator, overload protection to protect weighing cell from damage, auto shut-off, rugged plastic construction and tactile feedback keypad.

- Sleek, low profile design
- Large high contrast display
- Energy-saving auto shut-off feature
- Battery (included) or optional AC adaptor
- Stainless steel platform is removable for easy cleaning
- Designed with superior RF protection to deliver accurate and stable results when used in production areas or near cellular devices

Item No.	1067-17	1067-10	1067-18
Mfr. Item No.	CS200	CS2000	CS5000
Capacity x Readability	200g x 0.1g 0lb:07.50oz x 0.01oz	2000g x 1.0g 4lb:06.55oz x 0.05oz	5000g x 1.0g 11lb:00.4oz x 0.1oz
Repeatability (Std. dev.) (g)	0.1	1.0	1.0
Linearity (g)	±0.1	±1.0	±1.0
Weighing units	g, lb, oz		
Zero range	to capacity by subtraction		
Stabilization time	3 seconds		
Optimum operating temp.	64°-77°F/18°-25°C		
Power requirements	3-AA alkaline batteries (included) or optional AC adaptor		
Calibration	digital calibration from keypad		
Auto shut-off	5 minutes no activity (battery operation only)		
Display (in/mm)	LCD (0.4/11)		
Pan size L x W (in/cm)	5.75 x 5.25 / 14.5 x 13.3		
Dimensions L x W x H (in/cm)	8.0 x 5.5 x 1.5 / 20.3 x 14.0 x 3.8		
Net Weight (lb/kg)	.91 / .47		
Warranty	One year		

Item No.	Description	List Price	% Off List	Qty Break	Your Cost
1067-10	2000 g x 1.0 g	140.00	23	1	<b>107.80</b>
			25	2+	<b>105.00</b>
1067-17	200 g x 0.1 g	140.00	23	1	<b>107.80</b>
			25	2+	<b>105.00</b>
1067-18	5000 g x 1.0 g	165.00	23	1	<b>127.05</b>
			25	2+	<b>123.75</b>
1067-20	AC adapter				<b>48.00</b>

**FIND IT AT WEBERSCIENTIFIC.COM**



- *Weight Sets from Troemner*

## Newton Balance (A&D EJ-120)

- 1 second response time
- LCD display with backlight
- Percentage and counting
- Full digital calibration
- AC power or 4 X "AA" alkaline battery operation (batteries not included)
- 5-year warranty



Weight capacity	210 g
Min. display "d"	0.01 g
Repeatability (Std. deviation)	0.01 g
Linearity	±0.01 g
Sensitivity drift	±20 ppm / °C (10°C-30°C / 50°F-86°F)
No. of samples	5, 10, 25, 50 or 100 pieces
Max. count	21,000 pcs
Min. unit weight	0.01 g
Min. % display	0.1 %
Min. 100 % weight	1 g
Display	7 segment LCD display with backlight (character height 16 mm)
Display update	10 times per second
Operating temp.	-10°C-40°C / 14°F-104°F, less than 85% R.H. (non-condensing)
Battery operation	Approximately 70 hours (backlight off, alkaline batteries)
Weighing pan size	110 mm Ø
Weight Approximately	850 g
Calibration weight (factory setting)	200 g

Item No.	List Price	% Off List	Your Cost
1067-45	341.00	20	272.80

## Hand-Held Portable Scale (Ohaus HH320)

*Convenient, compact, portable weighing capability in the palm of your hand*

Slip it in your pocket– this little scale with sleek styling and convenient size is ideal to take anywhere.



Features include:

- Energy-saving auto shut-off feature
- Large high contrast display
- Backlit display and protective cover
- Rugged plastic construction
- 12 month warranty on labor and parts

Capacity (g) x Readability (g)	320 x 0.1
Linearity (g)	±0.2
Weighing units	g, oz, dwt, oz t
Zero range	To capacity by subtraction
Calibration	Auto calibration from keypad
Stabilization time	3 seconds
Maximum overload	150% of capacity
Auto shut-off	5 minutes no activity
Optimum operating temperature	64°-77°F/18°-25°C
Display (in/mm)	LCD (0.4/11)
Weigh pan size L x W (in/cm)	3.25 x 3.0/8.3 x 7.6
Power requirements	2-AAA alkaline batteries (included)
Dimensions L x W x H (in/cm)	5.35 x 3.25 x 0.8/13.6 x 8.3 x 2.0
Net Weight (lb/kg)	.34/16

Item No.	List Price	% Off List	Qty Break	Your Cost
1067-12	228.00	23	1	175.56
		33	2+	152.76

## VALOR™ 7000 Compact Bench Scale (Ohaus)

*NSF certified and USDA-AMS accepted*

- One second stabilization time
- Touchless sensors allow you to operate certain functions without the touch of one button, reducing scale contamination and extending the life of the scale!
- Large front and rear displays with bright backlights and checkweighing LED's

Construction	ABS Plastic Housing, Stainless Steel Platform
Design Features	210 hours of battery life, 3 LED (yellow, green, red) checkweighing lights with selectable operation and audible signal settings, transportation handle, sealed front panel, menu lock switch, up front level indicator, adjustable leveling feet, selectable environmental and auto-print settings, stability indicator, overload and underload indicators, low battery indicator, auto shut-off, auto tare
Display	Front and Rear Liquid Crystal Display (LCD) with Backlight
Applications	Weighing, Checkweighing, Checkpercent, Percent Weighing, Accumulation
Operation	AC Power (Included) or Rechargeable Battery (Included)
Communication	RS232 (Included), 2nd RS232 (Available as an Accessory), USB (Available as an Accessory), Ethernet (Available as an Accessory)

Item No.	Mfr. Model No.	Mfr. Item No.	Capacity	Readability	Certified Readability	Platform Size
1068-00	V71P1502T	30031827	1.5kg (3lb)	0.05g (0.0002lb)	0.5g (0.001lb)	300 x 225 mm
1068-01	V71P3T	30031828	3kg (6lb)	0.1g (0.0002lb)	1g (0.002lb)	300 x 225 mm
1068-02	V71P6T	30031829	6kg (15lb)	0.2g (0.0005lb)	2g (0.005lb)	300 x 225 mm
1068-03	V71P15T	30031830	15kg (30lb)	0.5g (0.001lb)	5g (0.01lb)	300 x 225 mm
1068-04	V71P30T	30031831	30kg (60lb)	1g (0.002lb)	10g (0.02lb)	300 x 225 mm



Item No.	List Price	% Off		Your Cost
		List	Qty Break	
1068-00	575.00	15	1	488.75
		28	2+	414.00
1068-01	575.00	15	1	488.75
		28	2+	414.00
1068-02	575.00	15	1	488.75
		28	2+	414.00
1068-03	575.00	15	1	488.75
		28	2+	414.00
1068-04	575.00	15	1	488.75
		28	2+	414.00

## Washdown Portable Rugged Balance (Ohaus)



### Popular Valor™ 3000 XTREME Series

- Full stainless steel housing with added chemical resistance and removable stainless steel weighing pan are durable and easy to clean
- Advanced overload protection rated at 10x capacity is ideal for tough environments where capacity is frequently exceeded
- User adjustable filtering and stability settings allow the balance to operate accurately in drafty and unstable conditions
- SmarText™ user interface utilizes a bright backlit LCD and simple text prompts to guide users through application use and scale setup

Item No.	Capacity	List Price	% Off List	Qty Break	Your Cost
1068-15	300 g	499.00	15	1	<b>424.15</b>
			28	2+	<b>359.28</b>
1068-18	3000 g	499.00	15	1	<b>424.15</b>
			28	2+	<b>359.28</b>
1068-21	6000 g	499.00	15	1	<b>424.15</b>
			28	2+	<b>359.28</b>
1068-22	AC adaptor				<b>54.00</b>

Model	1068-15	1068-18	1068-21
Mfr Item No.	V31XW301	V31XW3	V31XW6
Capacity (avoirdupois):	0.6615 lb	6.615 lb	13.23 lb
Readability (avoirdupois):	0.0005 lb	0.005 lb	0.005 lb
Capacity (metric):	300 g	3000 g	6000 g
Readability (metric):	0.1 g	0.5 g	1 g
Weighing units:	lb, decimal or fractional oz, lb:oz, fluid oz (of water), kg, g		
Weighing modes:	Simple weighing, percent weighing, combined zero/tare, specific gravity (S)		
Keyboard:	Three mechanical switches (1 left; 2 right)		
Calibration:	Digital external span calibration		
Display:	7 segment, 6 digit, 0.78in / 20mm high LCD with white LED backlight		
Display Indicators:	Center of zero, stability, over/under load, weighing unit and battery status		
Tare range:	Full capacity by subtraction		
Stabilization time (seconds):	3 seconds or less		
Auto Zero Tracking:	Off, 0.5, 1 or 3 divisions		
Operating Temperature Range:	32° to 104° F (0° to 40° C) at 10% to 95% relative humidity. Non-condensing, up to 2.5 miles/4000m above sea level		
Power Requirements:	AC Adapter (included) or 4 (C) batteries (not included); replacement AC Adapter #1068-22		
Battery life (typical):	120 hours with alkaline cells		
External Dimensions:	8.5 x 7.3 x 3 in / 218 x 186 x 77 mm		
Pan size (in/mm):	5.8 x 6.2 / 146 x 158		
Net Wt. (lb/kg):	2.9 / 1.3		
Warranty:	One year		



1067-15



## Pioneer™ Analytical Balance (Ohaus)

### The best balance for basic analytical weighing

Designed for uncomplicated performance, the Ohaus Pioneer balances have the key features necessary for routine weighing along with a few design and performance extras that help eliminate common nuisances that can arise in laboratory and industrial settings.

**Easy to Clean Analytical Draftshield** – Pioneer’s draftshield is designed with all glass panels, including three sliding doors. All panels are easy to remove and replace, and together with a stainless steel bottom, make it fast and easy to clean.

Periodic cleaning made easy helps to avoid sample contamination and extends product life. In addition, a standard in-use cover provides added protection against accidental spillage and helps minimize the chance of damage to the display and keypad.

**Upfront Level Indicator** – Pioneer has been designed with an up-front level indicator, so that users can quickly ensure the balance is level prior to use.

**Selectable Environmental Settings** – Three filter modes and adjustable zero tracking adjust balance sensitivity to environmental disturbances, or application requirements.

Item No.	3109-33	3109-34	1067-15
Mfr. Item No.	PA85	PA224	PH1602
Capacity (g)	80	220	1600
Linearity (mg)	0.2	0.3	20
Readability (g)	0.0001		0.01
Repeatability (Std. dev.) (mg)	0.1		10
Stabilization Time (s)	3		
Application Modes	Weighing, Parts Counting, Percent		
Weighing Units	mg / g / ct / oz / plus ten others		g, kg, lb, ct, plus ten others
Taring Time (s) Auto	1		
Power Requirements	AC Adapter (Included)		
Platform Size (in/cm)	3.54 in / 9 cm diameter		7.1 in / 18 cm dia.
Draft Shield	Yes		No
Balance Dimensions W x H x D (in/cm)	7.7 x 11.3 x 12.6 x / 19.6 x 28.7 x 32		7.7 x 3.6 x 12.6 in / 19.6 x 9.2 x 32 cm
Operating Conditions	14° F / -10° C to 104° F / 40° C at 10% to 80% relative humidity		
Net Weight (lb/kg)	10.0 / 4.5		7.3 lb / 3.3 kg
Warranty	Two years		

Item No.	List Price	% Off List	Qty Break	Your Cost
3109-33	1686.00	15	1	<b>1433.10</b>
		22	2+	<b>1315.08</b>
3109-34	2248.00	15	1	<b>1910.80</b>
		22	2+	<b>1753.44</b>
1067-15	909.00	15	1	<b>772.65</b>
		24	2+	<b>690.84</b>



## Defender™ 3000 Series Bench Scales (Ohaus)

The OHAUS Defender™ 3000 Series economy line of bench scales is ideal for general weighing and simple counting applications. These scales feature a simple, yet rugged, tubular-frame base design and indicators with tactile keys, backlit LCD display, built-in rechargeable battery operation and flexible mounting capabilities. The Defender 3000 Series is the solution to your weighing applications that require dependability within an affordable budget.

- Indicator features a high-impact durable ABS housing with reversible face for either wall, column or table-top mounting
- Adjustable non-slip rubber leveling feet with externally visible level indicator
- Parts counting mode with selectable sample sizes, last sample size and Average Piece Weight data
- High LCD weight display with high-contrast backlight
- Built-in RS232 for printing and data connection



Item No.	3109-01	3109-06
Mfr. Item No.	D31P60BR	D31P150BL
Capacity x Readability (d)	150 lb x 0.02 lb / 60 kg x 0.01 kg	300 lb x 0.05 lb / 150 kg x 0.02 kg
Platform Dimensions (WxDx min H)	12 x 14 x 4.8 in / 305 x 355 x 123 mm	16.5 x 21.6 x 5.4 in / 420 x 550 x 136 mm
Column	13.8 in / 350 mm fixed height, tubular painted steel	27.6 in / 700 mm fixed height, tubular painted steel
Net Weight	26 lb / 12 kg	42 lb / 19 kg
Maximum Displayed Resolution	1:75	
Load Cell Protection	IP67	
Base Construction	304 stainless steel pan with painted carbon steel frame, non-slip rubber leveling feet	
Leveling Component	Externally visible level bubble and adjustable leveling feet with locking nuts	
Safe Overload Capacity	125% of rated capacity	
Weighing Units	g, kg, oz, lb	
Functions	Weighing, Parts Counting	
Weight Display	6-digit, 7-segment backlit LCD, 1 inch / 25 mm high digits	
Keyboard	4 function mechanical keys, raised, tactile	
Stabilization Time	Within 2 seconds	
Auto-zero Tracking	Off, 0.5, 1 or 3 divisions	
Key Zeroing Range	2% or 100% of capacity	
Span Calibration	5 lb/kg to 100% of capacity, user selectable	
Power	AC adapter with 100-hour internal rechargeable lead acid battery (included)	
Interface	Bi-directional RS232C	
Operating Temperature Range	14°F to 104°F / -10°C to 40°C	
Warranty	One year	

Item No.	List Price	% Off List	Your Cost
3109-01	667.00	20	533.60
3109-06	823.00	20	658.40



## Platform Scale (Taylor TE150)

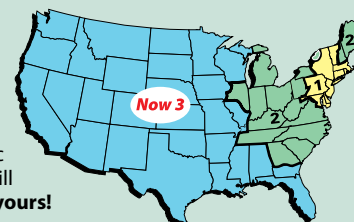
Reasonably priced stainless steel scale. 6' coiled cord and 1" LCD display.

Capacity 150 lbs. or 70 kg  
 Readability 0.2 lbs. or 0.1 kg  
 One year warranty

Item No.	List Price	% Off List	Qty Break	Your Cost
3109-09	315.00	25	1	236.25
		35	2+	204.75

## Receive Free Freight Upgrades When You Order From Weber Scientific!

When you order from Weber Scientific we will route it so that all (or part\*) of your order arrives at your facility within 1, 2 but never more than 3 business days. Any upgrade in the level of service over basic UPS or FedEx ground service will be done at **our expense - not yours!**



Combined with our Same Day Shipping Pledge, this expedited routing program will insure prompt delivery of all or part of your order to any location in the continental U.S. — all at no extra cost.

### Here is how the 1-2-3 Day Delivery program works:

Place your order by 3:00 PM (Eastern Time) and your order will ship that very same afternoon. Based on a nationwide delivery schedule (see map) your order will be routed via basic ground service if delivery is scheduled at 3 business days or less. If the delivery schedule indicates more than 3 business days, we will upgrade one or more cases to 3 Day Service at no extra charge to you. You pay only for basic ground service on any upgrades.

\*Some exceptions apply. See page 3 for complete details.





## MB Series Moisture Analyzers (Ohaus)

*Advanced, standard or basic models fit practically any application*

- Accurate results from 0.01% to 0.1% readability
- Just press and hold the temperature or time buttons, add sample and begin testing
- Compact footprint
- Easy-to-clean design

Item No.	List Price	% Off List	Qty Break	Your Cost
<b>NEW!</b> 3013-01	4190.00	15	1	<b>3561.50</b>
		25	2+	<b>3142.50</b>
<b>NEW!</b> 3013-02	3400.00	15	1	<b>2890.00</b>
		20	2+	<b>2720.00</b>
<b>NEW!</b> 3013-06	2700.00	15	1	<b>2295.00</b>
		25	2+	<b>2025.00</b>
3013-07	2500.00	15	1	<b>2125.00</b>
		25	2+	<b>1875.00</b>

Item No.	3013-01	3013-02	3013-06	3013-07
Mfr. Item No.	MB120	MB90	MB27	MB23
Capacity (g)	120 g	90 g	90g	110g
Readability (g)	0.01%/0.001 g	0.01%/0.001 g	0.01% / 0.001g	0.1% / 0.01g
Repeatability (Std Dev) (g)	0.05% (3 g sample) 0.015% (10 g sample)	0.18% (3 g sample) 0.02% (10 g sample)	0.2% (3g sample) 0.05% (10g sample)	0.3% (3g sample) 0.2% (10g sample)
Output	RS232, USB Host, USB Device	RS232, USB Host, USB Device	Bi-directional RS-232	Bi-directional RS-232
Heater type	Halogen	Halogen	Halogen	Infrared (no glass)
Temp range	40–230 °C	40–230 °C	50° to 160°C in 5°C increments	50° to 160°C in 5°C increments
Power	120 or 240 VAC 50/60 Hz	120 or 240 VAC 50/60 Hz	100 to 240 VAC 50/60 Hz	100 to 240 VAC 50/60 Hz
Operating temperature range	50–104 °F/10–40 °C	50–104 °F/10–40 °C	41° to 104°F / 5° to 40°C	41° to 104°F / 5° to 40°C
Display type	4.3 in/109 mm, QVGA, TFT touch screen	4.3 in/109 mm, QVGA, TFT touch screen	Backlit LCD	Custom backlit
Displays	% moisture, % solids, % regain, time, temperature, weight, method name, drying curve and statistics	% moisture, % solids, % regain, time, temperature, weight, method name, drying curve and statistics	% moisture or % solids or time, temperature, weight (g)	% moisture or % solid, time, temperature, weight (g)
Pan size (in/mm)	3.5 in/90 mm	3.5 in/90 mm	3.5 in. / 90 mm	3.5 in. / 90 mm
Dimensions (WxHxD) (in/cm)	8.3 x 7.7 x 14.0 in/211 x 180 x 355 mm	8.3 x 7.7 x 14.0 in/211 x 180 x 355 mm	6.5 x 5 x 11 / 17 x 13 x 28	6.5 x 5 x 11 / 17 x 13 x 28
Net wt. (lb/kg)	11.5 lb/5.23 kg	11.5 lb/5.23 kg	5 / 2.3	5 / 2.3
Shipping wt. (lb/kg)	18.4 lb/8.35 kg	18.4 lb/8.35 kg	8.5 / 3.9	8.5 / 3.9
Warranty	One year	One year	One year	One year



## Pan Liners for Ohaus® Moisture Balance

Disposable aluminum

3013-38 has a 3.5"/90 mm diameter and is 3/16" deep

3013-42 has a 4 3/4"/121 mm diameter and is 3/16" deep.

Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
3013-38	Pan liners for Ohaus Moisture Balance MB45, MB35, MB25, & MB23	pack/80	48.00	5		<b>45.60</b>
3013-40	Pan liners for older models of Ohaus Moisture Balance	pack/100	42.75	50	1-9	<b>21.38</b>
				55	Multi-10	<b>19.24</b>

## Pan Liners, for Cenco® Moisture Balance

Disposable aluminum.

Item No.	Description	Qty	List Price	% Off List	Your Cost
3013-32	Solids, round pan	pack/25	18.61	55	<b>8.37</b>
3013-36	Liquids, square pan	pack/25	19.26	50	<b>9.63</b>

## Disposable Aluminum Weigh Pan

*Designed for moisture balances*

Also popular for general-purpose weighing and dispensing or as an evaporating dish or dust cover. Lightweight, sturdy dish has no coating and is oil free. Slightly tapered for stacking. Made from light gauge aluminum. Pack of 50. 4" dia. x 5/16" deep (102 x 8 mm).



Item No.	Qty	List Price	% Off List	Your Cost
3013-20	pack/50	36.49	50	<b>18.25</b>

FIND IT AT WEBERSCIENTIFIC.COM



• smartBoat Paper Weighing Boats

**Disposable Smooth-Wall Weigh Dish**

Aluminum smooth-side, flat-bottom multipurpose utility dish. No tab. 70 mm diameter.



Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
3015-12	pack/100	41.98	75	1-9	<b>10.50</b>
			80	multiples of 10	<b>8.40</b>



**Disposable Weigh Dish**

Aluminum. With finger-grips.

Item No.	Cap., mL	Top I.D. inches	Qty	List Price	% Off List	Qty Break	Your Cost
3015-20	20	1 3/4	pack/100	17.09	65	1-9	<b>5.98</b>
					70	10+	<b>5.13</b>
3015-22	50	2 3/8	pack/100	17.68	65	1-9	<b>6.19</b>
					70	10+	<b>5.30</b>
3015-24	70	2 3/4	pack/100	27.39	65	1-9	<b>9.59</b>
					70	10+	<b>8.22</b>

**Microwave Oven Pads**

Disposable glass fiber pads for accurate moisture testing.



3252-05

3252-04

Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
3252-04	Round 3 1/2" / 90 mm diameter pad	pack/200	66.17	56	1-19	<b>29.11</b>
				66	20+	<b>22.50</b>
3252-05	Square 4" x 4" / 102mm x 102mm pad	pack/400	77.32	56	1-11	<b>34.02</b>
				66	12+	<b>26.28</b>



**Weighing Paper**

Extremely smooth surface allows free flow. Pack of 500.

Item No.	Size Inches	List Price	% Off List	Qty Break	Your Cost
3015-30	4 X 4	32.50	50	1-4	<b>16.25</b>
			55	5+	<b>14.63</b>
3015-32	6 X 6	44.81	40	1-4	<b>26.89</b>
			45	5+	<b>24.65</b>



**Weigh Boats**

Choose from square or diamond shape for easier pouring

- Antistatic and biologically inert polystyrene
- White or black for visual contrast
- Rounded and recessed corners
- Tolerates temperatures to 90°C / 194°F
- Withstands diluted acids and bases
- Compact dispenser packs



Item No.	Size, inches / mm	Description	Pack Qty	List Price	Qty Break	% Off List	Your Cost
3015-26	2.6 x 3.4 / 65 x 85	White diamond shape	500	50.00	1	50	<b>25.00</b>
					2+	55	<b>22.50</b>
3015-27	2.6 x 3.4 / 65 x 85	Black diamond shape	500	50.00	1	50	<b>25.00</b>
					2+	55	<b>22.50</b>
3015-28	3.1 x 3.1 / 80 x 80	White square shape	500	50.00	1	50	<b>25.00</b>
					2+	55	<b>22.50</b>
3015-29	3.1 x 3.1 / 80 x 80	Black square shape	500	50.00	1	50	<b>25.00</b>
					2+	55	<b>22.50</b>
3015-36	3.9 x 4.9 / 100 x 125	White diamond shape	250	42.50	1	50	<b>21.25</b>
					2+	55	<b>19.13</b>
3015-37	3.9 x 4.9 / 100 x 125	Black diamond shape	250	42.50	1	50	<b>21.25</b>
					2+	55	<b>19.13</b>
3015-38	5.5 x 5.5 / 140 x 140	White square shape	500	89.00	1	50	<b>44.50</b>
					2+	55	<b>40.05</b>
3015-39	5.5 x 5.5 / 140 x 140	Black square shape	500	89.00	1	50	<b>44.50</b>
					2+	55	<b>40.05</b>



**Disposable Weigh Dish**

Translucent polystyrene.

Item No.	Size inches	Qty	List Price	% Off List	Qty Break	Your Cost
3015-35	3 3/16 sq.	pack/500	92.53	70	1-2	<b>27.76</b>
				75	3+	<b>23.13</b>
3015-40	5 1/2 sq.	pack/500	218.82	68	1-2	<b>70.02</b>
				73	3+	<b>59.08</b>



## Angstadt-Weber™ Milk Smear Slides

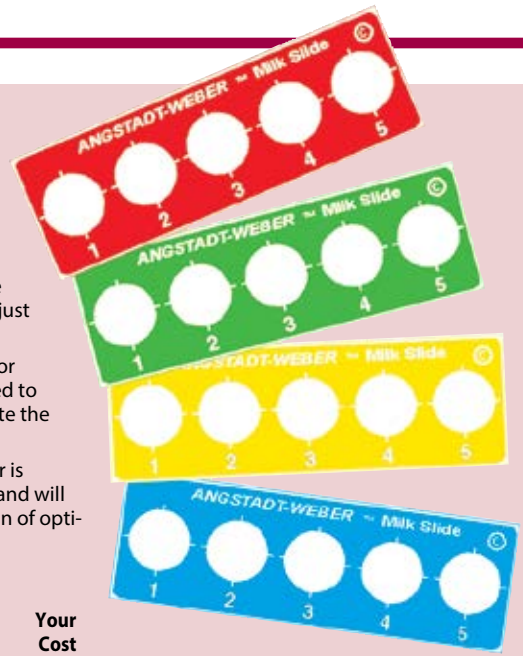
**INNOVATIVE PRODUCT**

*Indicator marks for improved DMSSC counts!*

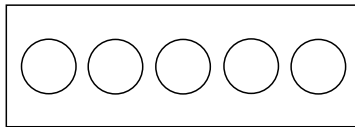
The hydrophobic coating delineating the circles on these slides permits **rapid smearing of 0.01 ml of milk over an exact 1 cm<sup>2</sup> area**. In fact, you can actually turn the slide upside down and the milk remains in place! Plus, you can write on the hydrophobic coating with just about anything - pencil, pen or marker.

The slides have 4 hash marks per circle indicating the exact beginning and ending points for true horizontal and vertical diameter strip counts. These indicator marks eliminate the need to search for your beginning point - the horizontal or vertical apex of each circle. Simply locate the indicator mark and begin counting - confident that you are counting along the diameter!

According to leading dairy QC professionals, incorrect identification of the circle's diameter is the primary source of error in strip counting. Our new slide eliminates this source of error and will enable you to achieve repeatable counts from one operator to another. Ideal for calibration of optical analyzers.



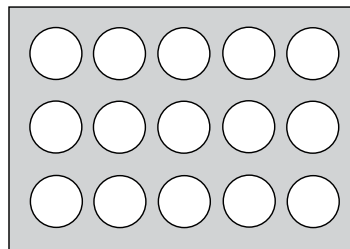
Item No.	Description	Color	Quantity	List Price	% Off List	Qty Break	Your Cost
2009-43	5 circle slide	blue	pack/72	88.63	48	1-19	<b>46.09</b>
					52	Multiples of 20	<b>42.54</b>
2009-45	5 circle slide	red	pack/72	88.63	48	1-19	<b>46.09</b>
					52	Multiples of 20	<b>42.54</b>
2009-47	5 circle slide	green	pack/72	88.63	48	1-19	<b>46.09</b>
					52	Multiples of 20	<b>42.54</b>
2009-49	5 circle slide	yellow	pack/72	88.63	48	1-19	<b>46.09</b>
					52	Multiples of 20	<b>42.54</b>
2009-32	15 circle slide	blue	pack/72	669.78	48	1-5	<b>348.29</b>
					53	6+	<b>314.80</b>
<b>Teflon®, without indicator marks (traditional plain circle)</b>							
2009-13	5 circle slide	blue	pack/72	88.63	48	1-19	<b>46.09</b>
					52	Multiples of 20	<b>42.54</b>



### 5 Circle Slide

Enameled circles. Dimensions: 1.0 mm thick, 1" X 3".

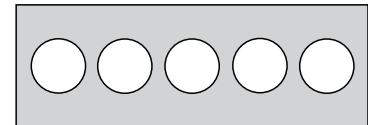
Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
2007-03	pk/72	62.04	48	1-19	<b>32.26</b>
			52	Multi. of 20	<b>29.78</b>



### 15 Circle Slide

Transparent circles with remainder of slide surface acid etched. Dimensions: 1.2 mm thick, 2" X 3".

Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
2010-03	pk/72	145.84	48	1-11	<b>75.84</b>
			52	12+	<b>70.00</b>



### 5 Circle Slide

Our best value! Reusable indefinitely but inexpensive enough to be disposable. Transparent circles with remainder of slide surface acid etched. Dimensions: 1.2 mm thick, 1" X 3".

Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
2009-03	pk/72	55.57	48	1-19	<b>28.90</b>
			52	Multi. of 20	<b>26.67</b>

### ACCESSORIES: FOR MICROSCOPE SLIDES



Xylene for cleaning microscope slides see page 69.  
Wipes for cleaning microscope slides see page 195.

**Hanging Drop Slide**

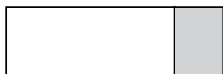


Useful for determination of homogenization efficiency. Standard size 3" x 1" (76 x 26 mm) glass slide has two polished spherical depressions that are 18 mm in diameter and 1.75 mm deep.

Item No.	Qty	Your Cost
2009-40	pack/12	127.69

**Microscope Slides, Disposable**

Ready to use -- does not require preliminary washing. These slides are cut and ground in a carefully controlled environment that eliminates sticking because each slide is pre-cleaned four separate times. Frosted one end, one side for easy marking with pen or pencil. Dimensions: 1.0 mm thick, 1" X 3".



Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
2011-00	pk/144	40.76	50	1-9	20.38
				55 mult. of 10	18.34

**#1 Cover Glasses**

High quality optical glass. Standard 22 X 22 mm size. Thickness 0.13 to 0.17 mm.

Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
2012-25	1 oz/pk	23.50	50	1-9	11.75
				62 mult. of 10	8.93

170 pieces of cover glass = 1 oz

**Coplin Staining Jar, Plastic (United Scientific 62101)**

Polypropylene jar holds 10 slides back to back. Secure domed cap.



Item No.	Your Cost
2005-12	2.48

**Coplin Staining Jar, Plastic (Bel-Art Scienceware)**

This polypropylene jar improves on the classic tapered square design with a larger opening for easier placement and removal of slides. The polypropylene screw cap is 53mm in diameter, has a flat top, easy grip larger knurled edge, deep thread and a seal ring to prevent leaks. Five internal slots hold up to 10 standard 1 x 3" or 25 x 75 mm slides back to back. The base diameter is 59.7 mm (2 3/8"), height is 114 mm (4 1/2"). Steam autoclavable at 121°C (250°F), remove cap when autoclaving.



Item No.	List Price	% Off List	Your Cost
2005-10	8.40	20	6.72

**EasyDip™ Slide Staining System (Simport M900/905)**  
*A user-friendly approach for staining your microscope slides*

This staining system has two components: a square staining jar and a 12-position vertical slide rack (sold individually). Jars can be loosely joined to each other laterally, making sure they are kept in the same order when moved around on the lab counter. As an extra benefit, they are available in 5 different colors to help better identify contents or applications.



The staining jar is made of unbreakable and resistant acetal plastic. It will resist attacks by most staining agents including alcohol and xylene but not phenol. The wide stable base offers greater stability while the inside is recessed, allowing for a smaller reagent volume of only 80mL. Easy to clean and no metals to corrode. Ideal for microwave oven procedures, special stains, frozen sections and special processes. Length: 64mm (2 1/2"), Height: 92mm (3 5/8"), Width: 76mm (3").

EasyDip Jar Item No.	Color	Qty	List Price	% Off List	Qty Break	Your Cost
2005-15	Blue	each	10.24	20	1-5	8.19
				30	6+	7.17
2005-16	Green	each	10.24	20	1-5	8.19
				30	6+	7.17
2005-17	Pink	each	10.24	20	1-5	8.19
				30	6+	7.17
2005-18	White	each	10.24	20	1-5	8.19
				30	6+	7.17
2005-19	Yellow	each	10.24	20	1-5	8.19
				30	6+	7.17
EasyDip Rack Item No.	Color	Qty	List Price	% Off List	Qty Break	Your Cost
2005-20	Dark Gray	each	12.68	20	1-5	10.14
				30	6+	8.88

**Staining Dish**

Takes 20 slides: 3 X 1, 3 X 1.5 or 3 X 2 inches. Consists of rectangular glass dish with glass cover, removable glass staining frame, and a wire handle for lifting frame. Staining frame has molded slots; each slot holds pair of slides back to back. Wire handle is stainless steel. Inner dimensions: 4.5L x 7.6W x 6.4D.



Item No.	Your Cost
2006-00	85.87
Replacement Dish 2006-03	34.85
Replacement Cover 2006-06	22.74
Replacement Frame 2006-09	36.98
Replacement Wire Handle 2006-12	7.08

**Staining Jar, Coplin Style**

With plastic screw cap. Slots take five 3" X 1" slides or 10 slides back to back. Overall dimensions: 4 1/2" high X 2.6" diameter at base.

Item No.	List Price	% Off List	Your Cost
2005-00	36.68	30	25.68

**Replacement Cap**

For Coplin jar. Polyethylene lining. Very economical: it pays to frequently replace your stain jar cap!



Item No.	Your Cost
2005-01	.52



## L-W Stain for Milk Smears

*Developed in our own laboratories for effective direct microscopic counts*

All available formulations conform to APHA, *Standard Methods for the Examination of Dairy Products*. The stain is made in four formulations: **Regular** tetrachloroethane or xylene, and **Canadian** tetrachloroethane or xylene. There are several differences. Both contain certified methylene blue dye while the Canadian stain contains some red basic fuchsia dye which gives the smear a pinkish background. Use is fairly evenly split between the two based upon user preference. The xylene stain is generally recommended since it's somewhat less toxic than tetrachloroethane.

Based upon transportation regulations the tetrachloroethane based stains have quantity limitations of no more than one quart and no more than two pints per shipping box, specially designed for this particular hazardous material. Please be aware that for the tetrachloroethane stain only there is a hazmat packaging fee per shipping box in addition to any other required hazmat shipping charges that may apply.

Item No.	Formulation	Qty	Your Cost
2001-00	Regular - xylene	Liter	45.48
2002-00	Regular - xylene	500 mL	30.24
2001-05	Regular - tetrachloroethane	Liter	71.00
2002-05	Regular - tetrachloroethane	500 mL	41.41
2001-20	Canadian - xylene	Liter	51.80
2002-20	Canadian - xylene	500 mL	31.45
2001-25	Canadian - tetrachloroethane	Liter	80.67
2002-25	Canadian - tetrachloroethane	500 mL	47.56

## Pyronin Y-Methyl Green Stain

Required for use when analyzing goat's milk.

Item No.	Qty	Your Cost
2002-60	500 ml.	153.36

## Carnoy's Solution (Fixative)

500 mL each

Item No.	Your Cost
2002-65	61.94




## Gram Stain Kit (BD Diagnostics)

All the components needed for performing one of the most basic tests in microbiology: the Gram stain test for categorizing bacteria as gram-negative or gram-positive. Contains one 250 ml bottle each of Gram Iodine, Crystal Violet, Safranin and Decolorizer.



Item No.	Qty/pk	List Price	% Off List	Your Cost
2004-78	4-step four 250 mL bottles (with stabilized Gram Iodine, Crystal Violet, Safranin and Decolorizer)	58.97	10	53.07

## Gram Stain Replacement Components (BD Diagnostics)

Item No.	Mfr Item No.	Description	Qty/pk	Your Cost
 2004-80	212527	Decolorizer	4 X 250 mL	51.66
 2004-82	212525	Crystal Violet	4 X 250 mL	57.66
 2004-84	212531	Safranin	4 X 250 mL	54.11
2004-87	212542	Iodine, stabilized	4 X 250 mL	63.46

## Gram Stain Kit

Contains one 8 oz. (250 mL) flip-top bottle each of 1% Crystal Violet, Gram's Iodine, 0.4% Safranin, 25% Acetone/Alcohol. Flip-top caps are packed separately in the box for secure transit.



Item No.	Your Cost
2004-50	38.81

## VanGuard H2 USB Digital Camera System (VeeGee IS 300H2)

*Fits the Vanguard triocular port microscope*

Produces high-definition live images and video for the documentation and archival of clinical, life science, and material science laboratory analysis. Has a resolution of 3586 x 2764 (UXGA) and includes an image capture software suite. Equipped with 1/2" CMOS image sensors for sharp image clarity and color. The on-chip 10-bit A/D converter is capable of operating at 40fps. The full-featured image capture software suite allows the user to easily control all of the camera's advanced settings and has a simple but powerful graphic interface.

Other features:

- Still & video capture modes, automatic/manual exposure control
- Manual gamma control
- Automatic/manual white balance control
- Standard C-mount lens adapter
- No separate power cable is required
- Video, power, and full camera control are all enabled within a single USB cable



Item No.	List Price	% Off List	Your Cost
2003-72	699.00	10	629.10



2003-12



2003-14



2003-20



2003-30



2003-50

## Economy Clinical Microscopes (VanGuard)

- Introductory Level
- Magnification Up to 100X
- Iris Diaphragm Condenser
- 10X WideField eyepieces

## Brightfield Compound Microscopes (VanGuard)

Precision grade laboratory quality and advanced features at an affordable price. These models have a reverse nose pitch objective turret, and ultra low position stage controls. Optical tube features multiple-coated transmission prism system. Spare lamp, and fuse included. Five year warranty.

Item No.	Economy Clinical Microscopes		Brightfield Compound Microscopes		
	2003-12	2003-14	2003-20	2003-30	2003-50
Objectives	Achromatic (DIN) 4X, 10X, 40X, 100X (Oil)	Achromatic (DIN) 4X, 10X, 40X, 100X (Oil)	semi-planachromatic 4X, 10X, 40X 100X (oil immersion)	infinity-corrected planachromatic 4X, 10X, 40X 100X (oil immersion)	infinity-corrected planachromatic 4X, 10X, 40X 100X (oil immersion)
Eyepieces	10X WideField (DIN); 18 mm F.D	10X WideField (DIN); 18 mm F.D.	10x super wide field; focal length 25 mm; field number 18	10x super wide field; focal length 25 mm; field number 20 high eye point	10x super wide field; focal length 25 mm; field number 20 high eye point
Viewing head	Binocular 45° Inclination; 360° Rotatable	Binocular 30° Inclination; 360° Rotatable	Binocular Seidentopf head with diopter adjustment of -5 to +5 and interpupillary adjustment of 55mm to 75mm to decrease eyestrain	Binocular	Trinocular
Nosepiece	Quadruple 4-Position with Positive Stops	Quadruple 4-Position; Reverse Pitch	Quadruple reversed, ball-bearing nosepiece with positive stops, knurled gripping, and high grade lubricant	Quadruple	Quintuple
Stage	120 x 120 mm Mechanical; Drop-Down, Left-Hand X-Y Controls; 60 x 25 mm Cross Travel Range	135 x 125 mm Mechanical; Drop-Down, Right-Hand, Rack & Pinion X-Y Control, 70 x 30 mm Cross Travel Range	125mm X 135mm graduated mechanical stage with ultra low position coaxial controls	260 X 170	260 X 170
Condenser	1.25 N.A. Abbe; Iris Diaphragm; Swing-Out Filter Holder; Focusable with Forward-Positioned Lever	1.25 N.A. Abbe; Iris Diaphragm; Swing-Out Filter Holder; Rack & Pinion Focusing Control	1.25 N.A. Abbe condenser with iris diaphragm, easy centering with adjusting screws, rack and pinion substage with swing-in filter holder		
Substage	LED	20W Variable Quartz Halogen; Field Diaphragm for Koehler	6V 20W variable quartz halogen illumination system		
Construction	Cast-Metal with Stain-Resistant Enamel Finish	Stain-Resistant Enamel Finish	durable cast aluminum alloy frame with enamel finish and black handrests; stable 180mm x 210mm base fitted with anti-skid rubber feet		
Warranty	5-Year Optical/Mechanical; 1-Year Electrical	5-Year Optical/Mechanical; 1-Year Electrical	5-Years		

Item No.	Mfr Item No.	List Price	% Off List	Your Cost
2003-12	1113AML	675.00	30	<b>472.50</b>
2003-14	1220CM	850.00	30	<b>595.00</b>
2003-20	1221CM	1210.00	30	<b>847.00</b>
2003-30	1421BRI	1735.00	30	<b>1214.50</b>
2003-50	1431BR	1825.00	30	<b>1277.50</b>

### Replacement Halogen Bulb

Fits #2003-20/30/50 microscope.

Item No.	Your Cost
2003-40	<b>9.58</b>

### Microscope Lens Cleaning Kit

For all microscopes.

Item No.	Qty	Your Cost
2003-70	each	<b>7.49</b>

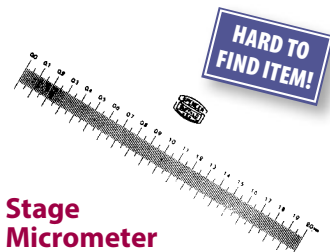
800-328-8378

### ACCESSORIES: FOR MICROSCOPE SLIDES



Pocket Microscope see website.  
Lab Wipes see page 195.

BACTERIOLOGICAL TESTING



**HARD TO FIND ITEM!**

### Scale Reticle (Vanguard)

*Fits Vanguard 1400 series microscopes*

Scale Reticle: 10mm  
 Divisions: 100 (0.1mm)  
 Eyepiece: 10X  
 Eyepiece Field of View: 20 mm



### Stage Micrometer

Rectangular 1" X 3" glass slide with scale. Used for measuring field size and for calibrating eyepiece. 2 mm scale; graduated in 200 increments, with each division reading 0.01 mm.

Item No.	Your Cost
2003-61	175.37

Item No.	Your Cost
2003-65	220.00

### Solid Modular Block

*Precisely control the temperature for even slide drying*

Fits our digital incubator, Weber item 3178-15 (see Apparatus section). Use of a dri-bath incubator, with a thermostat adjustable at 45°C ±5°C, is recommended. This solid aluminum block significantly offers the most consistent heating surface for even drying. It has an anodized coating that resists the harshest environments. Complete with specially drilled thermometer well. Thermometer is not included, we recommend Weber item #3028-85 or similar (see Thermometer section).



**HARD TO FIND ITEM!**

Item No.	List Price	% Off List	Your Cost
3178-19	99.50	15	84.58

### 0.01 ML Syringe

*Individually serialized and certified*

Conforms to APHA Standard Methods for the Examination of Dairy Products. This syringe is used for the rapid and convenient transfer of 0.01 ml milk or cream. It comes equipped with a semi-automatic, spring actuated plunger which never comes in contact with the sample. The charge is completely held in the stainless steel needle. The needle is completely removable for thorough cleaning. Each syringe has been adjusted, calibrated and certified accurate: the weight of test charge will average 0.0103 g ±0.0005 g H<sub>2</sub>O. Complete with certificate of accuracy. Serialized.

**HARD TO FIND ITEM!**



Item No.	Your Cost
2015-00	148.33

### Re-calibration of 0.01 ML Syringe.

Complete with updated certificate of accuracy. Existing syringe must be returned to Weber Scientific with a copy of your purchase order.

Item No.	Your Cost
2015-25	33.60

### Slide Storage Box (Heathrow Scientific)

Individual slots hold 100 1" x 3" slides. Color-coded ABS for easy identification. Each plastic box is secured with a rust-resistant nickel-plated clasp and hinge pin. Cork lining. Dimensions are 8.75 x 6.75 x 1.3 inches. Each slot is numbered to correspond to the slide inventory sheet on the inside cover of the box. The boxes stack securely on top of each other.



Item No.	Color	List Price	% Off List	Your Cost
2034-30	blue	26.18	65	9.16
2034-32	green	26.18	65	9.16
2034-34	red	26.18	65	9.16
2034-36	yellow	26.18	65	9.16
2034-38	white	26.18	65	9.16
2034-40	gray	26.18	65	9.16
2034-42	black	26.18	65	9.16



### Economical Slide Dispenser (Heathrow Scientific)

Design makes the loading of slides very easy. Standard (3 x 1" or 25 x 75mm) slides fit effortlessly into the front of our dispenser. Turning either side wheel dispenses slides out one at a time. Holds up to 91 slides.

Item No.	List Price	% Off List	Your Cost
2034-12	57.33	66	19.49



### Economical 10 µl Mini-Pipettor

*Accurately delivers 0.01 mL of milk*

Manufactured in an ISO17025 certified factory, this pipettor features a high level of accuracy at a very low cost. Can be used with either micro-tips or standard 200µl tips (comes with one microtip and one standard tip). Fully autoclavable to 121°C. The 2-stage thumb-press includes blowout. Accuracy is ±1%.

Item No.	Your Cost
2015-75	23.77

### Lens Paper

100% lint free. 4" X 6". Available: pad of 50 sheets.



Item No.	List Price	% Off List	Qty Break	Your Cost
2033-04	2.60	20	1-9	2.08
			40	1.56





**WEBER**  
Everyday  
**LOW**  
**Prices!**

### BactiZapper Infrared Micro Sterilizer

**Flameless sterilization in 5-7 seconds**

An asbestos-free core element uses infrared heating to produce 815°C (1500°F). It completely sterilizes microorganisms in 5-7 seconds. Instant sterilization of platinum inoculating loops, needles, glass tube/pipette mouths and various metal & borosilicate glass instruments.

The ceramic heating element is safely enclosed in a perforated stainless steel guard chamber, protecting users from accidental contact with the extreme temperatures of the core area. It is compact, convenient and can be used in anaerobic and aerobic chambers. One year warranty; 3 months for heating element.



Max. Temp:	815°C / 1500°F
Sterilization Time:	5-7 seconds
Chamber Diameter:	0.55 in. / 14 mm
Chamber Length:	6.2 in / 157 mm
Dimensions (Ext.):	4(W) x 6(D) x 6.5(H) in. 10(W) x 15(D) x 16.5(H) cm
Weight:	2.9 lbs. / 1.4 kg
Electrical:	120V, 60Hz

Item No.	Description	List Price	% Off List	Qty Break	Your Cost
2020-65	BactiZapper	329.00	20	1	263.20
				25	246.75
2020-67	loop holder attachment				49.00
2020-70	3-slide dryer attachment				99.00
2020-73	replacement heater element				119.00

### Microscope Vikem® Vinyl Cover (Bel-Art Scienceware)

16" bottom X 11" top X 18" high (410 X 280 x 460 mm)



Item No.	Mfr Item No.	List Price	% Off List	Your Cost
2003-42	24303-0000	17.75	20	14.20



Type B

### Immersion Oil for Microscopy

Non-drying formulas

Item No.	Mfg	Type	Qty oz. / mL	Dispenser bottle	List Price	% Off List	Your Cost
2033-00	Cargille	B high viscosity	4 / 118	no	22.80	20	18.24
2033-01	Cargille	B high viscosity	16 / 473	no	49.79	20	39.83
2033-02	Cargille	A low viscosity	4 / 118	no	22.80	20	18.24
2033-03	Cargille	A low viscosity	16 / 473	no	49.79	20	39.83
2033-08	Resolve	B high viscosity	1 / 30	yes - applicator rod in cap			11.67
2033-10	Resolve	B high viscosity	4 / 118	yes - twist dispenser cap			40.56
2033-12	Resolve	B high viscosity	16 / 473	yes - twist dispenser cap			51.25
2033-14	Resolve	A low viscosity	1 / 30	yes - applicator rod in cap			11.73
2033-16	Resolve	A low viscosity	4 / 118	yes - twist dispenser cap			29.37
2033-18	Resolve	A low viscosity	16 / 473	yes - twist dispenser cap			41.60

### 0.01 ML Platinum Loop

Consisting of fused loop, 4 mm inside diameter of B. & S. gauge No.19, 96.5 % platinum - 3.5% rhodium wire.

Item No.	Shank Length	Your Cost
2020-00	25 mm	245.00
2020-06	75 mm	290.80



### Platinum Loop Holder

Recommended for use with 0.01 ml loop. Brass construction with insulated handle. Adjustable threaded collet-type collar. 7"/175 mm overall length.

Item No.	List Price	% Off List	Your Cost
2022-00	23.88	15	20.30



### Bent Point Needle

Angular, steel, sharp pointed blade in plastic handle. As specified in A.P.H.A. *Standard Methods for the Examination of Dairy Products* to spread milk or cream over the square centimeter area.

Item No.	Your Cost
2019-30	1.68

### Plastic Forceps (Nalgene 6320)

Excellent for handling slides during staining. Scissor-type handles have ratchet that lock tips tightly shut. Reusable polypropylene is autoclavable and won't scratch slides. Pack of 12.



Item No.	List Price	% Off List	Your Cost
2005-60	80.29	39	48.98

800-328-8378

#### ACCESSORIES: FOR STAINING



Lab Burners see page 109.  
Inoculating Loops see page 40.

BACTERIOLOGICAL TESTING

STAINING ACCESSORIES

## Colony Counter Pen (Control Co.)

A combination marker and digital counter designed for the lab and plant. Each time a black mark is made with the felt-tipped pen, it automatically emits a beep, and LCD displays the counts. Use it to count cell growth on petri dishes, inventory parts, and tally samples received.



Touch, sound, and count occur simultaneously. Impossible to make an error, even when interrupted –marks hold your place and counter holds your total. Durable ABS plastic unit provides audio/visual counts to 99999 with reset button, on/off switch, and pen cap. Size is 6 x 2/3 inches and weight is 1 ounce.

Includes one LR41 button cell battery.

Item No.	Mfr. Item No.	Description	List Price	% Off List	Your Cost
3045-40	3133	Counter Pen	20.13	15	17.11
3045-43	3135	Replacement Pen Cartridge, Black	7.96	20	6.37



## Sterile Inoculating Loops

*Standard rigidity.* Sterile individually wrapped plastic loops eliminate the need for flaming. Highly accurate calibrated loop reverses to convenient streaking needle. Color coded.

Item No.	Size	Qty	Color code	List Price	% Off List	Qty Break	Your Cost
2023-05	0.001 mL / 1 µl	pk/500	blue	85.35	15	1	72.55
					25	2+	64.01
2023-06	0.001 mL / 1 µl	pk/250	blue	74.48	60	1-3	29.79
					66	4+	25.32
2023-10	0.01 mL / 10 µl	pk/500	yellow	85.35	15	1	72.55
					25	2+	64.01
2023-11	0.01 mL / 10 µl	pk/250	yellow	74.48	60	1-3	29.79
					66	4+	25.32



## Sterile Inoculating Loops (Copan)

Color-coded and choice of rigid or flexible

Highly accurate sterile calibrated loop reverses to convenient streaking needle, perfect for picking off colonies or making stab inoculations. Choice of rigid or flexible color-coded loops. Hexagonal loop shaft improves grip and makes diluting and streaking easy. Painstakingly manufactured so a correct size drop is formed and transferred without leaving liquid behind. Evans Blue Dye Certification of Calibration is supplied with every case. Loops are packed in tamper proof, zip-lock bags. 25 loops per bag, 1000 loops per pack.

Item No.	Description	Size	List Price	% Off List	Qty Break	Your Cost
2023-15	Rigid dark green inoculating loop	1 µL/0.001 mL	93.70	19	1	75.90
				28	2+	67.46
2023-20	Rigid dark blue inoculating loop	10 µL/0.01 mL	93.70	19	1	75.90
				28	2+	67.46
2023-25	Flexible light green inoculating loop	1 µL/0.001 mL	93.70	19	1	75.90
				28	2+	67.46
2023-35	Flexible light blue inoculating loop	10 µL/0.01 mL	93.70	19	1	75.90
				28	2+	67.46

## Sterile T-Shaped Cell Spreaders

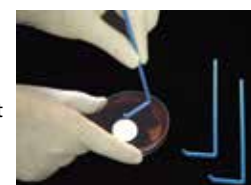
Plastic spreaders are designed for spreading and dispersing liquids across the surface of agar culture plates. Smooth rounded surfaces prevent any cutting or gouging of agar during inoculation of culture plates. The T-shape design facilitates that even pressure is applied across the entire length of the T-bar in contact with the agar surface. 10 spreaders per peel pouch, 500 spreaders per case.



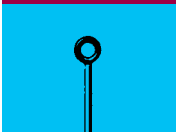
Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
3044-55	Case/500	85.00	40	1-2	51.00
			45	3+	46.75
3044-56	Case/500 Ind. wrapped	95.00	30	1-2	66.50
			35	3+	61.75

## Sterile Bacterial Cell Spreader

Sterile Lazy-L-Spreaders™ feature a L-shaped design for convenient spreading – turn the petri dish 360° to provide a smooth and even distribution. A smooth spreading surface with a slight upward return reduces the likelihood that the spreader will dig into the agar. Polystyrene. Individual spreader is 5 3/4"/145 mm high with a 1 1/4"/32 mm long spreading surface.



Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
3044-48	pack/500 sterile; pouches of 10	77.00	40	1-2	46.20
			45	3+	42.35
3044-50	pack/500; ind. wrap.	89.00	25	1-2	66.75
			30	3+	62.30





3045-30



3045-33

## Colony Counter (Lab-Aids)

### Easy and accurate bacterial colony counter

Reasonably priced and simply designed with a built-in illuminating system — this unit permits rapid and accurate counting of colonies of microorganisms.

- Translucent plastic viewing screen printed in standard Wolffhugel rulings
- Accommodates Petri dishes up to 125mm in diameter
- Uses 110VAC supply
- Includes lamp and line cord with on/off switch and instructions for use

Item No.	Description	List Price	% Off List	Your Cost
3045-30	Colony Counter	117.05	10	105.35
3045-33	Optional Magnifier	130.00	20	104.00

## Quebec Colony Counter (Reichert 13332500)

Uses the true Quebec darkfield principle. Contrasted against the darkfield background, the bacteria colonies are bright and readily distinguished from other structures in the agar. Dish holder is adjustable for centering round dishes up to 100 mm in diameter. The case is 10" X 11" X 10 1/2". With 40 watt lamp, white ruled Wolffhugel guide plate and tilt leg which may be mounted to give most convenient viewing angle. 110 V. One year warranty.



Item No.	List Price	% Off List	Your Cost
3045-00	1070.00	15	909.50

## Electronic Register Model (Reichert 13332700)

Operated by a needle-point probe with magnetic ground. When ground and counting probes are both touching conductive agar in dish or plate, an electrical circuit is completed through the integral amplifier, thus activating the digital counter. Each probing action into the colony completes a circuit and is automatically recorded. Reset bar provides immediate zeroing of five-digit counter. One year warranty.

Item No.	List Price	% Off List	Your Cost
3045-03	2068.00	13	1799.16

## Replacement Wolffhugel Grid

3045-10	147.08
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## Colony Counter SC6 PLUS (Stuart)

Loaded with features at a good price

- Pressure-sensitive counting
- Average count facility
- Bright white energy saving LED lighting
- With BioCote antimicrobial protection
- Audible confirmation
- Choice of light or dark back ground
- Connectivity to printer or computer

compare & save



Touch pressure with felt tip marker on petri dish registers cumulative count on the digital display with confirmation by audible tone (can be turned on or off). The pressure required to register a count can be adjusted to suit each user. Averaging facility calculates average count over multiple plates. Counting results as well as useful statistics including SD can be sent directly to the accessory printer or to a computer via a USB cable supplied.

Sub-stage illumination by low energy bright LED's allows glare-free optimum viewing. A switchable black background is provided to enhance viewing of translucent and difficult to see colonies. Supplied with a Wolffhugel graticule, segmentation dish and dish centering adapters to facilitate use with 50mm to 90mm dishes. A choice of magnifiers and a printer are available as optional accessories.

### Specifications

Lighting	White LED array
Digital display	3 digit LED
Count	0 to 999
Dimensions (w x d x h), in.	12" x 12" x 5.5"
Mass, lbs	3.3
Electrical supply	120 to 230V, 50 / 60Hz, 70W

Item No.	Mfr Item No.	Description	Qty Break	Your Cost
3045-12	SC6Plus	Colony Counter	1	663.56
		(buy magnifier or printer separately)	2+	628.61

### Accessories

3045-13	SC6/1	Magnifier 1.7X	123.25
3045-14	SC6/1/3	Magnifier 3X	157.25
3045-19	SMP30/1	Printer	662.50

### Replacement Parts

3045-15	SC6/2	Wolffhugel discs, pk/10	37.36
3045-16	SC6/3	Spare dish centering adaptor pk/2	14.95
3045-17	SC6/4	Protective clear discs, pk/5	30.57
3045-18	SC6/5	Receiver dish	10.52

## Hand Tally Counter

4-digit unit records up to 9999. Zero reset knob. Rugged heavy-duty chrome finished case with hinged finger loop.

Item No.	List Price	% Off List	Qty Break	Your Cost
3045-05	38.93	76	1-4	9.34
		81	5+	7.40



800-328-8378

## ACCESSORIES: FOR PLATE COUNT SUPPLIES



Culture Incubators see pages 18-19.



BACTERIOLOGICAL TESTING



## Disposable Petri Dish

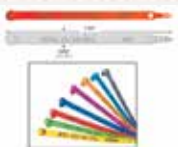
compare & save

CUSTOM COMPETITIVE PRICING

An outstanding value for a truly "industry standard" top-quality culture dish. 100% sterility guaranteed. Excellent optical clarity with no cracks or stress marks. Heavyweight. Consistently flat bottoms with no more than 0.005" off flat from edge to center. Excellent packaging.  

Item No.	Nominal Size	Description	Qty	Qty Break	Your Cost
3050-00	100 X 15 mm (83 mm diameter)	Semi-Stackable 25 sleeves/20 units each	case/500	1-9	<b>55.71</b>
				10-19	<b>52.19</b>
				20+	<b>50.64</b>
3050-20	100 X 15 mm (83 mm diameter)	Fully Stackable 25 sleeves/24 units each	case/600	1-9	<b>66.85</b>
				10-19	<b>62.62</b>
				20+	<b>60.77</b>
3050-10	100 X 15 mm (83 mm diameter)	Slippable 25 sleeves/ 20 units each	Case/500	1-9	<b>55.71</b>
				10-19	<b>52.19</b>
				20+	<b>50.64</b>
3050-11	100 X 15 mm (83 mm diameter)	I-plate (2 sections) Slippable	Case/500	1-9	<b>75.76</b>
				10+	<b>70.35</b>
3050-25	100 X 10 mm (83 mm diameter)	Space Saver Semi-Stackable 25 sleeves/ 30 units each	Case/750	1-9	<b>83.79</b>
				10-19	<b>78.69</b>
				20+	<b>74.33</b>
3051-10	150 X 15 mm (136 mm diameter)	Slippable 5 sleeves/20 units each	case/100	1-15	<b>56.05</b>
				16+	<b>43.87</b>
3051-15	60 X 15 mm (54 mm diameter)	Fully Stackable 25 sleeves/20 units each	case/500	1-19	<b>64.74</b>
				20+	<b>54.65</b>

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• Security Seals

## Petri Dish Handled Rack (Bel-Art Scienceware)

This rack is useful for safe transport and incubation of 100mm Petri dishes and helps to streamline benchtop sample processing. Each rack holds up to forty-two Petri dishes with lids, configured in six columns of seven plates. The base area is large enough to be stable but small enough to preserve bench top space. Up to four racks can be stacked together, and all interlock to prevent an accidental knock over. Access slots under the bottom Petri dishes allows a stack of dishes to be safely removed from the rack using a secure grip that places a finger under the bottom dish and thumb on top of the lid of the top dish. A large center divider provides space for labeling and incorporates a handle that does not interfere with the samples. To maintain sterility and ensure long-term performance, all parts are molded with white polypropylene and are steam autoclavable at 121°C (250°F). Racks are shipped flat and can be easily assembled. Overall dimensions are 33L x 21W x 17.8H cm (13L x 8 1/4 W x 7"H)



Item No.	List Price	% Off List	Your Cost
3050-92	68.45	20	<b>54.76</b>

## Scienceware® Poxgrid® Petri Dish Dispensing Racks (Bel-Art Scienceware 18978/9)

Dishes are easily dispensed one at a time from the bottom of the stack. Each epoxy coated rack holds 14 100 mm X 15 mm (nominal size) plastic dishes per stack. Dishes are loaded at the top and dispensed at the bottom. The rack tilts toward the rear for convenient presentation of dishes. Not suitable for glass petri dishes.



Item No.	Size L x W x H	List Price	% Off List	Your Cost
3050-60	5 3/4" X 4 1/4" X 11" 145 X 108 X 280 mm	38.40	20	<b>30.72</b>

## Petri Dish Stackable Incubation Tray (Bel-Art Scienceware)

These stackable polypropylene trays will increase incubator capacity, benchtop workspace and storage area capacity. Designed to hold five 100mm dia. or fifteen 60mm dia. Petri dishes. Each tray has two large label areas for sample identification.



Item No.	Qty	List Price	% Off List	Your Cost
3050-80	3/pk	61.95	20	<b>49.56</b>

### ACCESSORIES: FOR PETRI DISHES



Bacteriological Pipets see page 114.  
Sterile 50 mm Petri Dishes see page 249.  
Autoclave Bags see pages 14.



**QD-Loop™ Sample Dilution Device**  
(Hygiena) **S**

**HARD TO FIND ITEM!**

*Ingenious all-in-one sterile system for accurate and convenient volumetric dilutions*

An accurate calibrated loop on a 4 1/4" shaft comes attached to a cap containing a reservoir of 1 mL of buffer, and is enclosed in a clear plastic sheath. Loops calibrated for 1:10, 1:100 or 1:1000 dilutions are available. Using a patented Snap-Valve™ technology, you simply remove the cap and loop from its sheath, place the loop back into the holder, snap the integrated valve, squeeze the bulb to wash the sterile water over the loop, and pour the 1 mL dilution into a dish or tube for culturing. With this single-service device dilutions have never been more simple or convenient. Available in a pack of 250.

**CUSTOM COMPETITIVE PRICING™**

Item No.	Loop Size	Dilution	Qty Break	Your Cost
<b>3662-10</b>	1 µl - 0.001 mL	1/1000	1	<b>225.00</b>
			2+	<b>208.45</b>
<b>3662-20</b>	10 µl - 0.01 mL	1/100	1	<b>225.00</b>
			2+	<b>208.45</b>
<b>3662-30</b>	100 µl - 0.1 mL	1/10	1	<b>225.00</b>
			2+	<b>208.45</b>

**Complete with a Certificate of Conformance**

**0.001 mL Platinum Loop, For Plate Loop Method**

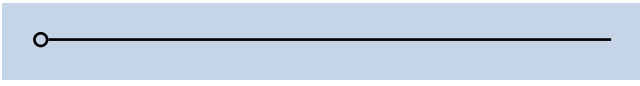
As specified in APHA+, Standard Methods for the Examination of Dairy Products. Fused loop of B. & S. gauge No. 26 platinum-rhodium wire. This alloy is 96% platinum and 3.5% rhodium.

3029-04 comes with a Certificate of Compliance certifying that the loop has been checked against a #53 and #54 twist drill for size conformance.



**HARD TO FIND ITEM!**

Item No.	Size	Your Cost
<b>3029-00</b>	25 mm shank	<b>116.64</b>
<b>3029-04</b>	75 mm shank	<b>145.45</b>



3029-04

**0.01 ML Platinum Loop, For Plate Loop Method**

Fused loop, 4 mm inside diameter of B. & S. gauge No. 19, 96.5% platinum and 3.5% rhodium wire.

Item No.	Size	Your Cost
<b>2020-00</b>	25 mm shank	<b>245.00</b>
<b>2020-06</b>	75 mm shank	<b>290.80</b>

**Micromatic® Pipetting Assembly**  
(Cadence)

Graduated glass syringe is fitted with spring-loaded metal holder, with finger rings and thumb rest for one hand operation. Filling assembly contains a two-way valve and side arm, and is supplied with 510 mm of flexible rubber tubing and metal inlet sinker. The two-way valve permits refilling the syringe when pressure on the plunger is released after delivery. (14 gauge pipetting needle must be purchased separately.)

2 mL capacity, adjustable from 0.2 – 2.0 mL in 0.1 mL graduations.



Item No.	Description	Your Cost
<b>3043-00</b>	2 mL pipetting assembly	<b>316.73</b>

Assembly instructions are available. Visit [weberscientific.com](http://weberscientific.com) – or please call 800-328-8378 for assistance.

Item No.	Description	Your Cost
<b>3043-01</b>	Replacement Syringe, 2 mL capacity. With Luer-lock® fitting.	<b>61.80</b>
<b>3043-02</b>	Replacement Tubing. Available: per foot.	<b>2.70</b>
<b>3043-03</b>	Optional 14 Gauge blunt pipetting needle. 4" long. Type 304 stainless steel with chrome plated luer hub.	<b>15.70</b>
<b>3043-05</b>	Replacement o-rings and small springs.	<b>12.89</b>
<b>3043-07</b>	Replacement large plunger spring for 3043-00	<b>9.67</b>

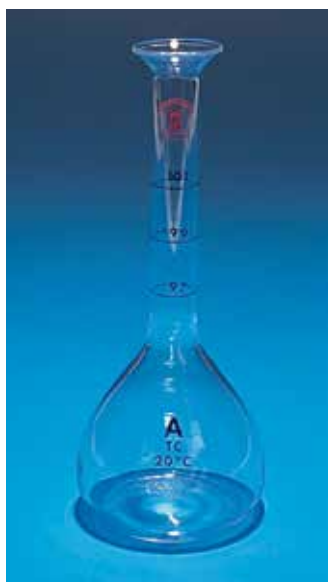
800-328-8378

**ACCESSORIES: FOR PLATE COUNT SUPPLIES**



Micro-Pipettors see pages 106-111.  
Autoclaves and Autoclave Accessories see pages 12-17.

BACTERIOLOGICAL TESTING



## Dilution Bottle Volumetric Measuring Flask

*Checking the Fill Accuracy of Your Dilution Bottles is Essential...*

*This Flask Makes it Easy.*

Three etched marks at 97, 99 and 101 mL for positive calibration of the fill accuracy of diluent. Manufactured in strict accordance with "Class A" volumetric specifications. Standardized at 20° C. Calibrated "to contain".

Item No.	Your Cost
3027-40	163.72

## Buffer Dilution Water Pillows (Hach)

The Buffered Dilution Water Pillows, magnesium chloride and potassium dihydrogen phosphate, makes 25 L of dilution water at a ratio of 1 liter of distilled water per pillow. Recommended for diluting most nonpotable and wastewater samples. Pack of 25 pillows.



Item No.	Your Cost
H21431-66	31.29



## Buffered Phosphate Dilution Water

Certified suitable for bacteriology. 20 liter jerrycan.

Item No.	Your Cost
3024-25	41.15



## NEW! Container Wrench

Heavy-duty container wrench for 70mm caps & 3/4" slotted drum plugs. Easy to use, lightweight and made of fiberglass filled nylon. Non-sparking.

Item No.	Qty	Your Cost
4411-00	each	15.00

## Escher Milk Dilution Bottle Stopper

This hard-to-find stopper is now a Weber Scientific Exclusive. 75 mm long soft flexible rubber with a 42 mm long extension to keep stopper from falling out during autoclaving. As specified in APHA, *Standard Methods for the Examination of Dairy Products*, this is the stopper of choice for all plain neck dilution bottles, yet is suitable for use on screw finish bottles as well. High-quality rubber is repeatedly sterilizable.

**HARD TO FIND ITEM!**



Item No.	Qty	Qty Break	Your Cost
3026-20	pack/12	1-9	50.78
		10+	46.14

## 7.2 pH Stock Dilution Buffer

*Standard Methods for the Examination of Dairy Products* specifies the use of specially prepared stock phosphate buffer to prepare the dilution water blanks needed to perform the Standard Plate Count method for bacteria. The procedure to make phosphate buffer stock solution is tedious and time consuming for laboratory personnel: "Dissolve 34 g of potassium dihydrogen phosphate in 500 mL of MS water, adjust to pH 7.2 with 1 N NaOH solution, and make up to 1 L with MS water. If desired, place in small vials. Sterilize at 121° C. for 15 min. After sterilization, tightly seal the vials and store at 0° to 4.4° C."



**Now this work has been done for you...** simply add 1.25 mL of our certified stock buffer to one liter of MS water.

Item No.	Description	Makes Liters	Your Cost
3024-01	1/2 pint	189	14.06
3024-05	pint	378	22.54
3024-09	quart	756	36.84



## Deionized Water

Tested to meet specifications according to Standard Methods for the Examination of Water and Wastewater, 21st edition, 9020:II Quality of Reagent Water Used in Microbiology Testing, and NELAC 4.1, Requirements for Laboratory Pure Water.

Item No.	Qty	Qty Break	Your Cost
4118-10	4 liter bottle	1-3	12.30
		4+	10.25
4118-15	20 liter jerrycan	1	32.10
		2+	29.35



**HARD TO FIND ITEM!**

## Dilution Bottle Cap

*Permanently bonded liner won't come loose!*

Fits narrow neck milk dilution bottles with 28-400 finish. Black (white pictured).

Item No.	Qty Break	Your Cost
3026-12	1-49	1.40
	50+	1.12



## Dilution Bottle Basket

Rigid aluminum basket for economically and efficiently carrying or storing up to 25 standard dilution bottles. Dimensions of 9" X 9" X 2 1/2". Complete with stainless steel handle. Completely autoclavable.

Item No.	Your Cost
3027-58	51.83



## Reusable Plastic Dilution Bottle With Screw Cap (Nalgene 2500 & 2505)

Break-resistant and repeatedly autoclavable. Unique feature: molded-in graduations at both 90 mL and 99 mL. Two styles to choose from.

**CONTACT-CLEAR POLYPROPYLENE COPOLYMER.** Accurate to  $\pm 4$  mL. With useful temperature range of  $-40$  to  $+121^{\circ}\text{C}$ .

Item No.	Description	Size (mL / oz)	Qty	List Price	% Off List	Qty Break	Your Cost
3027-01	Wide Mouth	200 / 7	pack/12	211.90	62	1-3	<b>80.52</b>
					65	Multiples of 4	<b>74.17</b>
3027-05	Narrow Mouth	200 / 6.75	pack/12	178.39	62	1-3	<b>67.79</b>
					65	Multiples of 4	<b>62.44</b>

**TRANSPARENT POLYSULFONE.** Accurate to  $\pm 1$  mL. With useful temperature range of  $-100$  to  $+165^{\circ}\text{C}$ .

Item No.	Description	Size (mL / oz)	Qty	List Price	% Off List	Qty Break	Your Cost
3027-11	Wide Mouth	200 / 7	pack/12	292.42	57	1-3	<b>125.74</b>
					60	Multiples of 4	<b>116.97</b>
3027-15	Narrow Mouth	200 / 6.75	pack/12	258.76	57	1-3	<b>111.27</b>
					60	Multiples of 4	<b>103.50</b>

## Milk Dilution Bottle With Screw Cap, Narrow Mouth (Kimble 14915/14925)

Reusable heavy-weight borosilicate glass. Total capacity is 160 mL. Standard 28 mm neck. Black phenolic screw cap has cemented-in rubber liner suitable for autoclaving.

Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
3026-00	etched graduation line at 99 mL	case/48	415.32	20	1-2	<b>332.26</b>
				25	3+	<b>311.49</b>
3026-05	without graduation line	case/48	295.41	20		<b>236.33</b>

## Milk Dilution Bottle With Screw Cap, Wide Mouth (Corning 1368/1373)

Reusable heavy-weight borosilicate glass. Total capacity is 160 mL. Wide 40 mm neck opening.

Item No.	Description	Qty	Qty Break	Your Cost
3027-26	etched graduation line at 99 mL	pack/12	1-3	<b>123.64</b>
			Multiples of 4	<b>115.91</b>
3027-31	without graduation line	pack/12	1-3	<b>110.21</b>
			Multiples of 4	<b>103.32</b>

## Wide Mouth French Square Bottle (Qorpak)

Use as a wide mouth dilution (or media storage) bottle. Made of standard soda lime glass — which costs less than borosilicate glass — yet can be autoclaved with correct technique. Large 8 ounce capacity. Attached black phenolic (thermoset) rubber lined caps are autoclavable. The Liner is compliant with FDA 21 CFR 177.2600 Rubber Articles Intended for Repeated Use. The liner exhibit good resiliency and resistance to moisture vapor. The closures provide consistent adherence to close dimensional tolerance.

Item No.	Qty	List Price	% Off List	Your Cost
3027-20	case/24	147.84	50	<b>73.92</b>

## Replacement Caps for #3027-20

Item No.	Qty	Description	Your Cost
3027-22	each	43-400 Black Phenolic Rubber Lined Cap	<b>.90</b>

## Extra Large Capacity Milk Dilution Bottle (Kimble 14250)

250 mL capacity from neck to base. Borosilicate glass with standard 28 mm neck opening. 50 X 50 mm outside cross-section. No graduation mark.

Item No.	Qty	List Price	% Off List	Your Cost
3026-08	case/48	209.43	20	<b>167.54</b>



3027-01



3027-11



3026-00



3027-26



3026-08



3027-20

## Weber DB™ Sterilized Pre-filled Dilution Bottles

**Natural is the new green. We've switched to a natural polyethylene cap for our Weber DB™ Dilution Bottles. This eliminates the need for the dyes we used to use.**

*Tamper evident sterility strip is integrated as part of the cap. It is much easier to open and use. Never hassle with shrink bands again!*

Every bottle is pre-filled to either 99 or 90 mL ±2 mL, buffered to pH 7.2 ±0.2, has an overall capacity of 150 mL, and is recyclable. Two formulations are available:

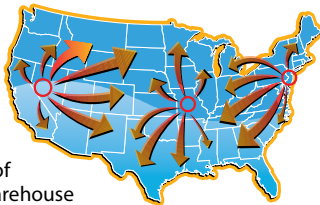
**Butterfield's Buffer for foods and dairy products** (APHA, FDA, AOAC or USP methods). Contains purified water, monobasic potassium phosphate and sodium hydroxide for pH adjustment.

**Phosphate Buffer for water and wastewater** (APHA or EPA methods). Contains magnesium chloride, monobasic potassium phosphate and sodium hydroxide for pH adjustment.



### Huge freight savings and faster delivery throughout the United States

Dilution bottles now ship out of our Nevada warehouse for delivery to Western states and out of our Missouri warehouse for selected Southern and Midwestern states. Customers in these areas will realize significant freight savings plus shipments will be received sooner.



Eastern states will continue to receive fast and economical service from our facility in New Jersey.

### Easier to store, Greener packaging

60% smaller footprint and 3 times less corrugated waste than the competition



#### Feature / Benefits

##### Lot # and exp. date printed on side of bottle

solvent resistant ink

##### PET bottle

glass-like clarity

exceptional strength

##### Gamma irradiated

10<sup>-6</sup> sterility assurance level

##### Attached cap

no cap to set down or hold

##### Sterility strip attached to cap

tamper evident

cap stays securely sealed

##### Color-coded

rapid and accurate identification

##### 32 mm neck diameter

wide-mouth

##### 2-year shelf life from date of manufacture

extended expiration dates

#### Advantages

##### Confidently sterilize outside of cap

- ink withstands 70% Isopropyl Alcohol

##### The only PET disposable dilution bottle available

- permits meticulous visual inspection of contents
- virtually eliminates cracking or breaking in handling or shipping
- safer - avoid release of contents if dropped

##### The highest sterility level available

- no chance of microbial contamination - none

- enhances aseptic handling and reduces chance of contamination
- promotes use of two hands for superior ease-of-use
- only one sample identification number needed, not two
- stays open at a positive 90° angle
- leak-proof - samples can be vigorously shaken without fear

##### You'll love not having to hassle with shrink-bands

- much easier to open than shrink-wrap, especially when wearing gloves
- can be shipped by ground or air - no transportation limits -holds up to rough handling

- recommended when using multiple formulations or fills
- advances good laboratory practice

- convenient for liquid or solid samples

##### The longest shelf-life in the industry

- no worry about expired product; no waste saves money





The bottles are still color-coded! The lettering on the side of each bottle is now color-coded for easy identification. There are no functional changes to the product. It is the same Weber Scientific Dilution Bottle you've always used.



### Would you like to evaluate a free sample?

A free four-bottle sterilized Weber DB mini-case is available! Please let us know which DB product you would like to evaluate when making your request.



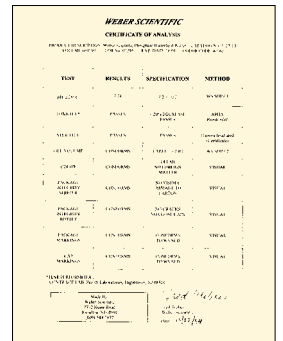
### Disposable dilution bottles are cost effective!

Compare for yourself. We encourage you to complete this worksheet to calculate your annual savings of using disposables. Go to [weberscientific.com](http://weberscientific.com)



### Certificate of Analysis (COA) is available online!

This product is made in strict compliance with specifications as published in the most recent edition of APHA Standard Methods for the Examination of Dairy Products; APHA Standard Methods for the Examination of Water and Wastewater; APHA Compendium of Methods for the Microbiological Examination of Foods; FDA Bacteriological Analytical Manual; FDA Milk Laboratory Evaluation Form 2400; United States Pharmacopoeia.



Each lot is thoroughly tested in house with toxicity done by an independent testing laboratory, and is released only after passing all specifications for pH, sterility, toxicity, fill volume, and package integrity and markings. The COA indicates that each particular lot passes all of these specifications. Specific results are given for pH and toxicity analysis.

You may obtain a copy of the Certificate of Analysis (COA), by lot number, online at [weberscientific.com](http://weberscientific.com).





Item No.	Formulation	Fill mL	Print Color	Qty	Qty Break	Your Cost
3127-14	Butterfield's Buffer	99	black	case/72	1-11	43.27
					12-24	37.82
					25+	35.66
3127-44	Butterfield's Buffer	90	green	case/72	1-11	43.27
					12-24	37.82
					25+	35.66
3127-29	Phosphate Buffer	99	red	case/72	1-11	43.27
					12-24	37.82
					25+	35.66
3127-59	Phosphate Buffer	90	blue	case/72	1-11	43.27
					12-24	37.82
					25+	35.66

## Choose from three top-quality culture media brands.

Between the BBL® and Difco® brands BD Diagnostic systems offers over 250 different formulations for food, beverage, dairy, water and wastewater and industrial microbiology, as well as for cosmetics and pharmaceutical industry testing. Please be sure to ask if what you need is not listed. Also, you're invited to contact us for volume pricing.




Alpha Biosciences. This ISO 9001:2008 manufacturer blends the highest quality raw materials into a finished product of premium standards and terrific prices!

Description	Brand	Qty	Mfr Item No.	Weber Item No.	List Price	% Off List	Your Cost
<b>A-1 Medium</b>	Difco	500 gram	218231	<b>3086-25</b>	106.42	15	<b>90.46</b>
Determination of fecal coliforms in water and foods.	Alpha Biosciences	500 gram	A01-116	<b>3116-06</b>	79.29	30	<b>55.50</b>
<b>Anaerobic Agar</b>	Difco	500 gram	253610	<b>3095-03</b>	156.40	15	<b>132.94</b>
Cultivating anaerobic microorganisms.							
<b>APT Agar</b>	Alpha Biosciences	500 gram	A01-101	<b>3116-02</b>	91.01	60	<b>36.40</b>
Cultivation of Lactobacilli and other organisms which require high thiamine content.							
<b>Bacteriological Agar</b>	Alpha Biosciences	500 gram	A01-102	<b>3116-12</b>	152.19	50	<b>76.10</b>
<b>Baird Parker Agar</b>	Alpha Biosciences	500 gram	B02-102	<b>3116-08</b>	143.48	55	<b>64.57</b>
Detection and enumeration of Staphylococci.	Alpha Biosciences	2 Kg	B02-102	<b>3116-09</b>	531.99	55	<b>239.40</b>
	Difco	500 gram	276840	<b>3095-15</b>	251.94	15	<b>214.15</b>
<b>Barney Miller Agar</b>	Alpha Biosciences	500 gram	B02-125	<b>3116-20</b>	189.58	30	<b>132.71</b>
For detection of beer spoilage organisms.	Alpha Biosciences	2 Kg	B02-125	<b>3116-21</b>	663.28	30	<b>464.30</b>
<b>Brain Heart Infusion</b>	BBL	500 gram	211059	<b>3083-50</b>	116.08	15	<b>98.67</b>
Cultivation of fastidious microorganisms.							
<b>Brilliant Green 2% Bile Broth</b>	Difco	100 gram	273000	<b>3097-47</b>	72.81	15	<b>61.89</b>
Isolation of coliform bacteria.	Difco	500 gram	274000	<b>3095-20</b>	108.62	15	<b>92.33</b>
<b>Buffered Peptone Water</b>	Alpha Biosciences	500 gram	B02-121	<b>3116-13</b>	48.34	50	<b>24.17</b>
Cultivation of non-fastidious microorganisms.	Alpha Biosciences	2 Kg	B02-121	<b>3116-14</b>	173.24	50	<b>86.62</b>
<b>Crystal Violet Stock Solution</b>	Weber	100 mL		<b>3118-12</b>			<b>9.95</b>
For use with Lin's Wild Yeast Differential Medium (LWYM)							
<b>Cycloheximide Crystals</b> 	Ameresco	5 gram	94271-5G	<b>3118-61</b>			<b>116.29</b>
Ultra pure media antibiotic	Ameresco	1 gram	94271-1G	<b>3118-60</b>			<b>52.18</b>
<b>D/E Neutralizing Broth</b>	Difco	500 gram	281910	<b>3097-09</b>	98.20	15	<b>83.47</b>
Determining the bacteriological activity of disinfectants.	Alpha Biosciences	500 gram	D04-115	<b>3116-24</b>	67.73	55	<b>30.48</b>
<b>Dextrose, Anhydrous, ACS</b>	BDH	500 gram	BDH9230-500G	<b>3097-04</b>			<b>25.44</b>
Meets reagent specifications for testing USP/NF monographs.							
<b>EC Broth</b>	Alpha Biosciences	500 gram	E05-100	<b>3116-25</b>	50.85	30	<b>35.60</b>
Detection of coliform bacteria.	Difco	500 gram	231430	<b>3095-25</b>	150.10	15	<b>127.59</b>
<b>Egg Yolk Tellurite Solution</b> 	BBL	6x100mL	212357	<b>3079-04</b>	198.90	15	<b>169.07</b>
For use in preparation of Baird Parker Agar Base.	Difco	6x100mL	277910	<b>3095-30</b>	247.11	15	<b>210.04</b>
<b>Eosin Methylene Blue Agar (Levine)</b>	BBL	500 gram	211221	<b>3082-00</b>	92.90	15	<b>78.97</b>
Isolation and differentiation of gram-negative bacteria.							
<b>Fraser Broth Base</b>	Difco	500 gram	211767	<b>3086-08</b>	100.70	15	<b>85.60</b>
Selective enrichment and detection of Listeria. Use with Fraser Broth Supplement.							
<b>Fraser Broth Supplement</b>	Difco	6 X 10 mL	211742	<b>3086-03</b>	82.38	15	<b>70.02</b>
Use with Fraser Broth Base.							
<b>Hektoen Enteric Agar</b>	Alpha Biosciences	500 gram	H08-102	<b>3116-30</b>	160.33	45	<b>88.18</b>
Selective isolation of enteric pathogens.	Difco	500 gram	285340	<b>3095-35</b>	199.66	15	<b>169.71</b>
<b>HLP Medium (Hsu's Lactobacillus and Pediococcus Medium)</b>	Weber	500 gram		<b>3118-05</b>	129.30	20	<b>103.44</b>
Allows for the detection of Lactobacillus and Pediococcus species, while restricting the growth of culture yeast.							

Description	Brand	Qty	Mfr Item No.	Weber Item No.	List Price	% Off List	Your Cost
<b>KF Streptococcal Agar</b> Selective cultivation and enumeration of fecal Streptococci.	Difco	500 gram	249610	<b>3097-90</b>	142.32	15	<b>120.97</b>
<b>Lactose Broth</b> Detection of bacteria in water.	Alpha Biosciences	500 gram	L12-105	<b>3116-84</b>	55.86	40	<b>33.52</b>
	Alpha Biosciences	2 Kg	L12-105	<b>3116-85</b>	202.89	40	<b>121.73</b>
	Difco	500 gram	211835	<b>3097-30</b>	75.56	15	<b>64.23</b>
	Difco	2 Kg	241000	<b>3097-34</b>	286.31	15	<b>243.36</b>
<b>Lauryl Tryptose Broth (Sulfate)</b> Detection of coliform bacteria.	BBL	500 gram	211338	<b>3087-00</b>	89.51	15	<b>76.08</b>
	BBL	5 Lb	211339	<b>3087-04</b>	475.65	15	<b>404.30</b>
	Alpha Biosciences	500 gram	L12-106	<b>3116-38</b>	71.12	50	<b>35.56</b>
	Alpha Biosciences	2 Kg	L12-106	<b>3116-39</b>	259.10	50	<b>129.55</b>
<b>Lauryl Tryptose Broth (Sulfate)</b> Detection of coliform bacteria.	Difco	100 gram	224140	<b>3097-07</b>	72.81	15	<b>61.89</b>
	Difco	500 gram	224150	<b>3097-06</b>	96.75	15	<b>82.24</b>
	Difco	2 Kg	224120	<b>3097-16</b>	328.27	15	<b>279.03</b>
<b>LBS Agar</b> Selective isolation and enumeration of Lactobacilli.	BBL	500 gram	211327	<b>3087-06</b>	135.29	15	<b>115.00</b>
<b>LCSM (Lin's Cupric Sulfate Medium)</b> For detection and quantitative determination of wild yeast populations in brewing culture yeast. Includes copper in formulation.	Weber	500 gram		<b>3118-08</b>	252.50	30	<b>176.75</b>
<b>Lethen Broth, AOAC</b> Subculture medium for the neutralization of QAC in disinfectant testing.	Difco	500 gram	268110	<b>3094-60</b>	148.81	15	<b>126.49</b>
	Alpha Biosciences	500 gram	L12-109	<b>3116-41</b>	76.18	50	<b>38.09</b>
	Alpha Biosciences	2 Kg	L12-109	<b>3116-42</b>	227.84	50	<b>113.92</b>
<b>Listeria Enrichment Broth (LEB)</b> Selective enrichment for the isolation and cultivation of Listeria monocytogenes.	Alpha Biosciences	500 gram	L12-110	<b>3116-44</b>	88.41	45	<b>48.63</b>
	Alpha Biosciences	2 Kg	L12-110	<b>3116-45</b>	318.91	45	<b>175.40</b>
	Difco	500 gram	222220	<b>3095-40</b>	75.12	15	<b>63.85</b>
<b>LWYM (Lin's Wild Yeast Medium)</b> For detection and quantitative determination of wild yeast populations in brewing culture yeast. Crystal Violet (3118-12) available separately.	Weber	500 gram		<b>3118-11</b>	252.50	30	<b>176.75</b>
<b>M17 Agar</b> Isolation of mesophilic lactic streptococci.	Difco	500 gram	218571	<b>3097-15</b>	220.88	15	<b>187.75</b>
<b>MacConkey Agar</b>	BBL	500 gram	211387	<b>3087-23</b>	90.05	15	<b>76.54</b>
	Alpha Biosciences	500 gram	M13-106	<b>3116-47</b>	64.68	30	<b>45.28</b>
<b>MacConkey Sorbital Agar</b> Isolation and differentiation of enteropathogenic E. coli serotypes.	Difco	500 gram	279100	<b>3087-24</b>	121.14	15	<b>102.97</b>
	Alpha Biosciences	500 gram	M13-110	<b>3116-49</b>	68.93	30	<b>48.25</b>
<b>Malt Extract Agar</b> Isolating, cultivating and enumerating yeasts and molds.	Difco	500 gram	211220	<b>3087-26</b>	122.56	15	<b>104.18</b>
	Alpha Biosciences	500 gram	M13-113	<b>3116-51</b>	94.29	30	<b>66.00</b>
<b>M-Endo Agar LES</b> Enumeration of coliforms by membrane filtration.	Difco	500 gram	273620	<b>3095-43</b>	188.57	15	<b>160.28</b>
<b>M-Endo Broth</b> Enumeration of coliforms by membrane filtration.	Difco	500 gram	274930	<b>3095-42</b>	138.49	15	<b>117.72</b>
<b>MRS Agar</b> Isolation and cultivation of Lactobacilli.	Difco	500 gram	288210	<b>3097-43</b>	113.66	15	<b>96.61</b>
	Alpha Biosciences	500 gram	L12-103	<b>3116-36</b>	82.96	50	<b>41.48</b>
<b>MRS Broth</b> Same as Lactobacilli MRS broth, for isolation and cultivations of Lactobacilli.	Alpha Biosciences	500 gram	L12-104	<b>3116-33</b>	74.46	50	<b>37.23</b>
	Difco	500 gram	288130	<b>3095-45</b>	97.96	15	<b>83.27</b>
<b>Mycological Agar w/Low pH</b> Cultivation, isolation and identification of fungi.	BBL	500 gram	211450	<b>3087-45</b>	137.50	15	<b>116.88</b>
<b>Mycophil™ Agar</b> Cultivation and maintenance of fungi, for the demonstration of chromogenesis and for obtaining yeast and mold counts.	BBL	500 gram	211445	<b>3086-20</b>	312.69	15	<b>265.79</b>

Description	Brand	Qty	Mfr Item No.	Weber Item No.	List Price	% Off List	Your Cost
<b>Neutralizing Buffer</b> A modification of the Standard Methods buffered distilled water. Designed for use in the sterility tests for dairy equipment as specified in Standard Methods for the Examination of Dairy Products by the swab contact method.	Difco	100 gram	236210	<b>3097-08</b>	43.83	15	<b>37.26</b>
<b>Nutrient Agar</b> Cultivation of microorganisms.	Difco	500 gram	213000	<b>3095-48</b>	130.80	15	<b>111.18</b>
	Alpha Biosciences	500 gram	N14-100	<b>3116-53</b>	100.86	50	<b>50.43</b>
	Alpha Biosciences	2 Kg	N14-100	<b>3116-54</b>	366.79	50	<b>183.40</b>
<b>Nutrient Broth</b> Cultivation of microorganisms.	Difco	100 gram	233000	<b>3097-79</b>	51.51	15	<b>43.78</b>
	Difco	500 gram	234000	<b>3097-77</b>	116.97	15	<b>99.42</b>
	Alpha Biosciences	500 gram	N14-103	<b>3116-56</b>	75.00	50	<b>37.50</b>
	Alpha Biosciences	2 Kg	N14-103	<b>3116-57</b>	299.00	50	<b>149.50</b>
<b>Nystatin</b> Fine powder. Antibiotic for brewing media.		5 gram	AAJ62486-06	<b>3118-70</b>			<b>72.45</b>
<b>Orange Serum Agar</b> Cultivation and enumeration of microorganisms associated with the spoilage of citrus products.	BBL	500 gram	211486	<b>3088-00</b>	155.06	15	<b>131.80</b>
	Alpha Biosciences	500 gram	O15-101	<b>3116-59</b>	92.53	50	<b>46.27</b>
	Alpha Biosciences	2 Kg	O15-101	<b>3116-60</b>	334.20	50	<b>167.10</b>
<b>Oxford Antimicrobial Supplement, Modified</b> Colistin Sulfate, Moxalactam.	Difco	100 gram	211763 (6x10ML)	<b>3086-11</b>	133.02	10	<b>119.72</b>
<b>Oxford Medium Base</b> For the isolation of L. monocytogenes. Use with Oxford Antimicrobial Supplement.	Alpha Biosciences	500 gram	O15-102	<b>3116-62</b>	125.73	30	<b>88.01</b>
	Difco	500 gram	222530	<b>3086-15</b>	163.43	15	<b>138.92</b>
<b>Peptone, Bacto</b> Organic nitrogen source in microbiological culture media for cultivation of a variety of bacteria and fungi	Difco	500 gram	211677	<b>3095-17</b>	104.04	15	<b>88.43</b>
<b>Phosphate Buffer, pH 7.2</b> Preparation of dilution blanks.	BBL	500 gram	211544	<b>3087-30</b>	99.28	15	<b>84.39</b>
	Alpha Biosciences	500 gram	P16-108	<b>3116-63</b>	46.00	60	<b>18.40</b>
<b>Phytone™ Peptone</b> Component used in the formulation of culture media.	BBL	454 gram	211906	<b>3087-34</b>	97.73	15	<b>83.07</b>
<b>Phytone Yeast Extract Agar</b> Selective isolation of dermatophytes, particularly Trichophyton verrucosum, and other pathogenic fungi from routine clinical specimens.	BBL	500 gram	211546	<b>3087-36</b>	123.00	15	<b>104.55</b>
<b>Potato Dextrose Agar</b> For identification, cultivation and enumeration of yeasts and molds.	Alpha Biosciences	500 gram	P16-109	<b>3116-65</b>	74.06	60	<b>29.62</b>
	Alpha Biosciences	2 Kg	P16-109	<b>3116-66</b>	273.66	60	<b>109.46</b>
	Difco	100 gram	213300	<b>3097-22</b>	48.87	15	<b>41.54</b>
	Difco	500 gram	213400	<b>3097-21</b>	110.59	15	<b>94.00</b>
	Difco	2 Kg	213200	<b>3097-24</b>	433.91	15	<b>368.82</b>
<b>Presence-Absence Broth</b> For the presence-absence coliform test for the detection of pollution in treated water.	Alpha Biosciences	500 gram	P16-110	<b>3116-68</b>	69.52	50	<b>34.76</b>
	Alpha Biosciences	2 Kg	P16-110	<b>3116-69</b>	252.83	50	<b>126.42</b>
	Difco	500 gram	219200	<b>3095-50</b>	105.33	15	<b>89.53</b>
	Difco	2 Kg	219100	<b>3095-55</b>	421.39	15	<b>358.18</b>
<b>R2A Agar</b> Low nutrient medium for enumeration and cultivation of bacteria from potable water. Selective enrichment of Salmonella from food, polluted water and other materials.	Difco	500 gram	218263	<b>3097-50</b>	127.18	15	<b>108.10</b>
	Alpha Biosciences	500 gram	R18-100	<b>3116-22</b>	129.59	50	<b>64.80</b>
	Alpha Biosciences	2 Kg	R18-100	<b>3116-23</b>	471.12	50	<b>235.56</b>
<b>Reinforced Clostridial Medium</b> Nonselective cultivation and enumeration of Clostridia.	Difco	500 gram	218081	<b>3095-57</b>	110.03	15	<b>93.53</b>
<b>Rose Bengal Agar Base</b> Use with Rose Bengal Antimicrobial Supplement C for selective isolation of yeasts and molds.	Difco	500 gram	218312	<b>3097-61</b>	161.11	15	<b>136.94</b>



Description	Brand	Qty	Mfr Item No.	Weber Item No.	List Price	% Off List	Your Cost
<b>Sabouraud Dextrose Agar</b> Cultivation of pathogenic and nonpathogenic fungi, particularly dermatophytes.	BBL	500 gram	211584	<b>3078-15</b>	78.08	15	<b>66.37</b>
	Alpha Biosciences	500 gram	S19-100	<b>3116-82</b>	49.41	50	<b>24.71</b>
	Alpha Biosciences	2 Kg	S19-100	<b>3116-83</b>	179.33	50	<b>89.67</b>
	Difco	500 gram	210950	<b>3095-60</b>	73.04	15	<b>62.08</b>
<b>Sabouraud Dextrose Agar with Chloramphenicol</b> Cultivation of pathogenic and nonpathogenic fungi. The antibiotic inhibits bacteria growth.	Alpha Biosciences	500 gram	S19-100C	<b>3116-79</b>	51.84	50	<b>25.92</b>
<b>SDA/LMDA (Schwarz Differential Agar/Lee's Multi-Differential Agar)</b> Used for the detection and enumeration of yeast and bacteria in the beer.	Weber	500 gram		<b>3118-17</b>	144.50	20	<b>115.60</b>
<b>Selenite Cystine Broth</b> Selective enrichment broth for detecting and identifying Salmonella in foods and dairy products. 	Difco	500 gram	268740	<b>3095-63</b>	83.69	15	<b>71.14</b>
<b>Standard Methods Agar (Plate Count Agar)</b> For Standard Plate Count Method.	BBL	100 gram	212455	<b>3080-02</b>	54.26	15	<b>46.12</b>
	BBL	500 gram	211638	<b>3080-00</b>	105.22	15	<b>89.44</b>
	BBL	5 Lb	211641	<b>3080-04</b>	516.17	15	<b>438.74</b>
	Alpha Biosciences	500 gram	S19-113	<b>3116-31</b>	72.56	35	<b>47.16</b>
	Alpha Biosciences	2 Kg	S19-113	<b>3116-32</b>	260.90	35	<b>169.59</b>
	Difco	100 gram	247930	<b>3097-12</b>	49.86	15	<b>42.38</b>
	Difco	500 gram	247940	<b>3097-11</b>	92.70	15	<b>78.80</b>
	Difco	2 Kg	247910	<b>3097-14</b>	347.93	15	<b>295.74</b>
<b>Staphylococcus Agar #110</b> Isolation of Staphylococcus.	Difco	500 gram	229730	<b>3095-65</b>	110.40	15	<b>93.84</b>
<b>Tartaric Acid</b> Grade: NF (National Formulary). Granular. To adjust pH of Potato Dextrose Agar.	Alpha Aesar	500 gram	3081-07	<b>3081-07</b>			<b>36.39</b>
<b>Tartaric Acid, 10% (W/V) Aqueous Solution</b> Use as acidifying agent with Potato Dextrose (glucose) Agar.	Ricca	500 mL		<b>3081-13</b>			<b>31.80</b>
	Ricca	liter		<b>3081-15</b>			<b>51.89</b>
<b>Tetrathionate Broth Base</b> Selective liquid enrichment medium for use in the isolation of Salmonella.	Difco	500 gram	210430	<b>3095-70</b>	59.08	15	<b>50.22</b>
<b>Trypticase™ Peptone</b> (Pancreatic Digest of Peptone) General use in the cultivation of fungi and bacteria.	BBL	500 gram	211921	<b>3092-60</b>	102.50	15	<b>87.13</b>
<b>Tryptic Soy Agar</b> Cultivation of microorganisms.	BBL	500 gram	211043	<b>3089-07</b>	71.94	15	<b>61.15</b>
	Alpha Biosciences	500 gram	T20-108	<b>3116-71</b>	68.10	35	<b>44.27</b>
	Alpha Biosciences	2 Kg	T20-108	<b>3116-72</b>	265.74	35	<b>172.73</b>
	Difco	500 gram	236950	<b>3095-75</b>	66.23	15	<b>56.30</b>
	Difco	2 Kg	236920	<b>3095-80</b>	264.02	15	<b>224.42</b>
	Difco	5 Lb	211046	<b>3089-10</b>	351.22	15	<b>298.54</b>
<b>Tryptic Soy Agar with Lecithin and Tween 80</b> Recommended for cultivation of microorganisms on surfaces of sanitary importance.	Alpha Biosciences	500 gram	T20-109	<b>3116-73</b>	85.05	40	<b>51.03</b>
<b>Trypticase® Soy Agar with Lecithin and Polysorbate 80</b> Recommended for cultivation of microorganisms on surfaces of sanitary importance.	BBL	500 gram	211764	<b>3089-12</b>	111.47	15	<b>94.75</b>
<b>Tryptic Soy Broth</b> Cultivation of microorganisms.	BBL	500 gram	211768	<b>3089-00</b>	45.14	15	<b>38.37</b>
	Alpha Biosciences	500 gram	T20-110	<b>3116-74</b>	51.56	35	<b>33.51</b>
	Alpha Biosciences	2 Kg	T20-110	<b>3116-75</b>	192.31	35	<b>125.00</b>
	Difco	500 gram	211825	<b>3095-85</b>	57.66	15	<b>49.01</b>
	Difco	2 Kg	211822	<b>3095-90</b>	167.04	15	<b>141.98</b>
	Difco	5 Lb	211771	<b>3089-04</b>	215.58	15	<b>183.24</b>

Description	Brand	Qty	Mfr Item No.	Weber Item No.	List Price	% Off List	Your Cost
<b>Universal Beer Agar</b> Cultivation of microorganisms significant in the brewing industry	Difco	500 gram	285610	<b>3097-60</b>	119.22	20	<b>95.38</b>
	Alpha Biosciences	500 gram	U21-100	<b>3116-26</b>	92.98	30	<b>65.09</b>
	Alpha Biosciences	2 Kg	U21-100	<b>3116-27</b>	354.81	30	<b>248.37</b>
<b>Universal Pre-Enrichment Broth</b> Recover sub-lethally injured Salmonella and Listeria from foods.	Difco	500 gram	223510	<b>3097-75</b>	75.35	15	<b>64.05</b>
<b>UVM Modified Listeria Enrichment Broth</b> Selective enrichment for culturing L. monocytogenes.	Alpha Biosciences	500 gram	U21-103	<b>3116-76</b>	75.09	30	<b>52.56</b>
	Alpha Biosciences	2 Kg	U21-103	<b>3116-77</b>	273.01	30	<b>191.11</b>
	Difco	500 gram	222330	<b>3097-70</b>	103.67	15	<b>88.12</b>
<b>Violet Red Bile Agar</b> Detection and enumeration of coliforms.	Alpha Biosciences	500 gram	V22-100	<b>3116-34</b>	89.79	50	<b>44.90</b>
	Alpha Biosciences	2 Kg	V22-100	<b>3116-35</b>	330.90	50	<b>165.45</b>
	Difco	500 gram	211695	<b>3097-81</b>	89.57	15	<b>76.13</b>
	Difco	2 Kg	211687	<b>3097-84</b>	357.68	15	<b>304.03</b>
<b>WL Differential Agar</b> For use in the isolation of bacteria encountered in brewing and industrial fermentation processes.	Criterion	500 gram	C7291	<b>3115-81</b>	91.74	30	<b>64.22</b>
<b>WLD Medium (Wallerstein Laboratories Differential Medium)</b> For selective isolation and enumeration of bacteria encountered in breweries and industrial fermentations.	Weber	500 gram		<b>3118-20</b>	65.00	44	<b>36.40</b>
<b>WL Nutrient Agar</b> For the cultivation of yeasts, molds and bacteria encountered in brewing and fermentation processes	Alpha Biosciences	500 gram	W23-102	<b>3116-28</b>	36.51	35	<b>23.73</b>
	Alpha Biosciences	2 Kg	W23-102	<b>3116-29</b>	132.71	35	<b>86.26</b>
<b>Wort Agar</b> Cultivation and enumeration of yeasts	Difco	500 gram	211671	<b>3097-85</b>	121.62	15	<b>103.38</b>
<b>Vogel &amp; Johnson Agar</b> Detection of coagulase-positive and mannitol-positive Staphylococcus aureus.	Difco	500 gram	256220	<b>3078-55</b>	135.64	15	<b>115.29</b>
<b>XLD Agar</b>	Alpha Biosciences	500 gram	X24-101	<b>3116-80</b>	129.72	50	<b>64.86</b>
<b>Xylose Lysine Desoxycholate Agar</b> For isolation and differentiation of Shigella.	Difco	500 gram	278850	<b>3095-95</b>	140.37	15	<b>119.31</b>
<b>Yeast Extract</b> Provides a maximum of nutrients for bacterial growth.	BBL	454 gram	211929	<b>3092-70</b>	129.14	15	<b>109.77</b>
	Alpha Biosciences	500 gram	Y25-101	<b>3116-81</b>	73.12	60	<b>29.25</b>



## BBL® Prepared Media (BD Diagnostics)



Item No.	Description	Volume	Qty	List Price	% Off List	Your Cost
<b>3096-09</b>	Potato Dextrose Agar	500 ml bottle	pack/10	183.29	5	<b>174.13</b>
<b>3096-16</b>	Standard Methods Agar	200 ml bottle	pack/10	143.24	5	<b>136.08</b>
<b>3096-20</b>	Standard Methods Agar	500 ml bottle	pack/10	265.96	5	<b>252.66</b>
<b>3096-28</b>	Violet Red Bile Agar w/MUG	200 ml bottle	pack/10	178.91	5	<b>169.96</b>
<b>3096-30</b>	Nutrient Broth in Prepared Tube (Drop-ship only)	5 mL tube	pack/10	17.56	15	<b>14.93</b>
<b>3096-36</b>	Brilliant Green Bile Broth 2% Prepared Tube w/ Durham Tube	10 ml tube	pack/10	31.81	15	<b>27.04</b>
<b>3096-52</b>	Standard Methods Agar	20 ml pour tube	pack/10	27.87	15	<b>23.69</b>
<b>3096-60</b>	Enteropluri prepared multimedia tube for the rapid identification of Enterobacteriaceae		pack/25	374.83	10	<b>337.35</b>
<b>3096-61</b>	 BBL™ Coagulase Plasma, Rabbit, with EDTA	3 mL	pack/10	91.90	5	<b>87.31</b>
<b>3096-62</b>	 BBL™ Coagulase Plasma, Rabbit, with EDTA	15 mL	pack/10	328.11	5	<b>311.70</b>

**FIND IT AT WEBERSCIENTIFIC.COM**



- **Water Activity Meters from Novasina**
- **HYcheck™ Microbial Test Kit**
- **Insterep Bagged Media from Seward**



## NBB® Prepared Culture Media for Beer (Döhler)

### Ready-to-use agar or broth

- Excellent identification of beer spoilage organisms
- Use with filtered or unfiltered beer and yeast culture
- Fast results – optimized nutrient combinations for fast growth of spoiling micro-organisms
- Simple screening – Simple and reliable visual control through a clear change in the indicator color from red to yellow, for easy quantitative and qualitative analysis in almost any NBB® culture media
- Increased selectivity – Inhibition of the harmless accompanying flora and culture yeast necessary for the brewing process for optimized detection of beverage-spoiling micro-organisms



Suitable for detection in:

- unfiltered beers containing yeast
- filtered beers
- yeast samples
- water and rinsing water
- airborne bacteria collection samples
- swab samples for hygiene monitoring

Detection of spoiling micro-organisms in all types of beer samples, such as Lactobacilli, Pectinatus and Megasphaera. Get clear, fast and reliable detection, even for a very low level of contamination in a large sample volume.

NBB uses special growth promotion components and nutrients optimally tailored to beer spoiling micro-organisms. Döhler exclusively uses raw materials of non-animal origin, thus eliminating the risk of animal materials entering the beer quality control process. A series of comprehensive functional tests examine the quality of the NBB culture media with a special panel of test strains, which were all isolated in breweries.

### NBB-A, Agar

Solid agar medium for pouring agar plate after simple liquefaction.

- Can be used for membrane filtration, swab and pour plate method as well as for airborne micro-organism collection
- Simple, visual screening by means of an indicator change from red to yellow

### NBB-B, Broth

Liquid culture media with indicator dye for detection of beer spoiling micro-organisms in yeast samples or as an enrichment medium.

- Direct use of liquid medium
- Simple, visual screening by an indicator change from red to yellow

### NBB-C, Concentrated Broth

Liquid culture medium with enhanced selectivity through the addition of yeast-cloudy beer samples.

- Simply added to the beer sample for analysis
- Final microscopic inspection, no indicator verification

### NBB-B-AM, Broth

Liquid culture medium for detection of indicator bacteria from biofilms.

- Simple hygiene monitoring for weak point analyses and trending
- Sampling by means of smear swabs at critical points throughout the production process
- Direct use of liquid medium - ready-to-use in sterile tubes or sterile bottle for individual portioning
- Simple, visual screening by means of an indicator change from red to yellow

### Specifications

pH:	5.8 ± 0.2 (6.4 ± 0.2 for NBB-C)
Incubation temperature:	25-28°C (77-83°F)
Incubation time:	5 days
Storage temperature:	4-8°C (39-46°F)
Shelf life from date of manufacture:	1 year

Item No.	Mfr Item No.	Description	Qty.	Your Cost
<b>3118-75</b>	2.04709.782	NBB-A Glass Bottles	9 x 250 mL	<b>102.65</b>
<b>3118-76</b>	2.04710.782	NBB-B Glass Bottles	9 x 250 mL	<b>101.00</b>
<b>3118-77</b>	2.04723.646	NBB-B Glass Tubes	20 x 10 mL	<b>34.45</b>
<b>3118-78</b>	2.04711.782	NBB-C Glass Bottles	9 x 250 mL	<b>109.30</b>
<b>3118-79</b>	2.04716.462	NBB-P Powder, Bagged	300 gram	<b>135.95</b>
<b>3118-80</b>	7.85420.782	NBB-PCR Glass Bottles	9 x 250 mL	<b>115.50</b>
<b>3118-81</b>	2.11753.244	Brewers QCheck® Kit		<b>139.35</b>
		LMC (Lactose Peptone Concentrate) Glass Bottles	2 x 50 mL	
		NBB-B Glass Tubes	20 x 10 mL	
		NBB-B-Am Glass Tubes	20 x 10 mL	
		Swabs, Individually Wrapped	30	
<b>3118-82</b>	2.04706.782	NBB-B-Am Glass Bottles	9 x 250 mL	<b>101.00</b>
<b>3118-83</b>	2.04706.646	NBB-B-Am Glass Tubes	20 x 10 mL	<b>34.45</b>

800-328-8378

### ACCESSORIES: CULTURE MEDIA



Water Baths see pages 26-27.

BACTERIOLOGICAL TESTING



### Peel Plate EB Bacterial Test

EB (Enterobacteriaceae) tests use a conventional formulation with 48 hour incubation at 37° C and produces colored colonies.

## NEW! Charm Peel Plate® Microbial Test

*Just add sample/dilution. No spreading device needed.*



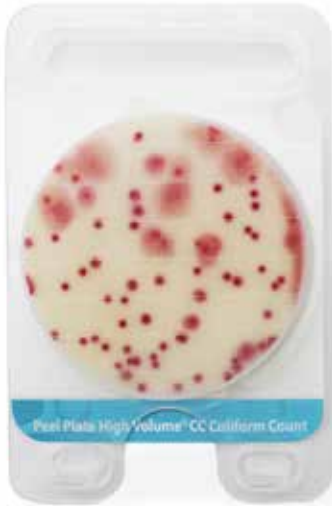
Peel Plate microbial tests are simplified culture methods for detecting micro-organisms. Tests are available for Aerobic Plate Count (AC), Coliform (CC), Coliform and E. coli (EC), Enterobacteriaceae (EB) and Yeast and Molds (Y&M). The AC, EC Plates are AOAC-RI and PMO-NCIMS approved. The YM is AOAC-RI approved.

Each version of these tests contains non-selective or selective medium and follows conventional microbiologic procedures for time and temperature of incubation.

Selected Peel Plate microbial tests are available for sample volumes of either 1 mL or 5 mL (High Volume). High Volume (HV) microbial tests use a 5 mL sample volume. A 5 mL aliquot of a 1:5 dilution (or 5 mL on each of 2 plates of a 1:10 dilution) is added to the HV plate and is then incubated. 100 mm diameter is convenient for sample filters and 100 mL water samples or larger, including wine and beverages.

The tests are prepared media in a shallow dish with an adhesive top. Plates are ready-to-use and no spreading device is needed. Just add the sample to the middle and it wicks through the media and solidifies. The sample wicks rapidly to cover entire surface. Invert the test, stack multiple tests together (if appropriate) and incubate. An air gap between the plate and cover allows colony picking and determination of microbial morphology.

Peel plates are used in dairy products, ground meats, other foods, contact surfaces and water. Colony development is easily quantified by color.



### Peel Plate CC Bacterial Test

CC (Coliform) tests use conventional coliform media with color producing enzyme substrates and a 24 hour incubation at 32° C and produces red colonies.



### Peel Plate AC Bacterial Test

AC tests use traditional standard plate count formulation with red producing TTC enzyme substrate. Aerobic bacteria produce red spots that are quantified over the 24-48 hour incubation at 32 ± 1° C for 48 ± 3 hours for dairy products, or at 35 ± 1° C for foods and environmental sponge samples. Each spot represents 1 CFU. The sum of spots is reported as the CFU/mL or CFU/gram per dilution tested.

This plate also comes with a special flab for barcoding or room for additional writing.



### Peel Plate YM Microbial Test

Y&M tests use traditional formulation with colonies that are blue, green or gray and quantified at room temperature or at 25 ± 2° C for 3 to 5 days. Each spot represents 1 CFU. The sum of spots is reported as the CFU/mL or CFU/gram per dilution tested.



### Peel Plate EC Bacterial Test

EC (E. coli and Coliform) tests use traditional EC media with color producing enzyme substrates and a 24 hour incubation. Coliforms produce easy to interpret red colonies that do not need additional confirmatory steps or difficult to interpret gas production. Most E. coli produce blue/purple colonies. The quantitative method is applicable for determination of total coliform, sum of coliform and E. coli in dairy products at 32 ± 1° C incubation. The method will detect E. coli from coliform in ground beef, food, carcass rinses, environmental surface sponge and water samples at 35 ± 1° C incubation. The sum of colonies equals total coliform. Red spots are coliform and bluish-black spots are generic E. coli.



## Simple Procedure



- Reliable detection and quantification of hygienic indicator bacteria
- No preparation needed, just dilute sample/food into the quantifiable range and add sample and incubate
- Self-wicking; No spreading device needed
- Able to pick colonies for additional microbial isolation and identification
- Convenient plate stacking up to 20 plates high for improved air circulation
- No pH adjustment needed for acidified food products
- Robust performance with neutralizing buffers used in environmental surface samples
- Simple color indication of bacteria
- Coliform and E. coli detection without additional confirmatory step or difficult gas interpretation
- Aerobic quantitative range: 25 to 250 CFU/mL and Coliform/E. coli quantitative range: 1 to 154 CFU/mL
- Peel Plate tests are 47 mm diameter, convenient for water filters and 100 mL water samples or larger
- 12 months refrigerated shelf life in a resealable foil zip bag
- Testing cultured products with the Coliform or Coliform and E. Coli Peel Plate tests requires the addition of Bisulfate (item 4150-15 below includes Bisulfate), or it may be purchased separately (item 4150-21)
- Separate tests for E. Coli and Coliforms are available for hard cheeses

## Approvals

- AOAC-RI and PMO-NCIMS approval for Peel Plate EC and AC tests. YM test is AOAC-RI approved.
- Voted by the National Conference on Interstate Milk Shipments (NCIMS) for inclusion into Pasteurized Milk Ordinance.
- Peel Plate EC (Coliform and E. Coli) test awarded performance Test Method Status 061501 by AOAC Research Institute for total coliform in dairy products and/or *E. coli* and for coliform detection in surface rinses and foods such as ground meat, eggs, chocolate and dry dog food.
- Peel Plate AC (Aerobic Count) microbial test has received AOAC Research Institute approval 071501.
- Peel Plate YM (Yeast and Mold) microbial test has received AOAC Research Institute approval 061601.

You'll find valuable instructions for each test under the document tab at <http://www.weberscientific.com/charm-peel-plate-microbial-test>.

Included are:

- Operator Manuals
- Flow Charts
- Interpretation Guide
- Literature Sheets
- Technical Report on Colony Spreaders
- White Board Video

Item No.	Mfr. Item No.	Description	Qty	Your Cost
4150-03	PP-AC-100K	Aerobic Plate Count Peel Plate	Pack/100	67.50
4150-06	PP-ACBC	Aerobic Plate Count Peel Plate with special flap for barcoding	Pack/100	67.50
4150-10	PP-EC-100K	Coliform and E. Coli Peel Plate	Pack/100	85.50
4150-11	PP-ECHV-25K	Coliform and E. Coli Peel Plate High Volume	Pack /25	38.75
4150-30	PP-ECHV-100K	Coliform and E. Coli Peel Plate High Volume	Pack /100	150.00
4150-25	PP-EC-C-HV-25K	E. Coli Peel Plate High Volume for Hard Cheese	Pack /25	38.75
4150-27	PP-EC-C-HV-100K	E. Coli Peel Plate High Volume for Hard Cheese	Pack /100	150.00
4150-12	PP-CC-100K	Coliform Peel Plate	Pack/100	67.50
4150-13	PP-CCHV-25K	Coliform Peel Plate High Volume	Pack/25	32.25
4150-14	PP-CCHV-100K	Coliform Peel Plate High Volume	Pack/100	125.00
4150-24	PP-CC-C-HV-25K	Coliform Peel Plate High Volume for Hard Cheese	Pack/25	32.25
4150-26	PP-CC-C-HV-100K	Coliform Peel Plate High Volume for Hard Cheese	Pack/100	125.00
4150-15	PP-CCS03-100K	Coliform Peel Plate includes Bisulfate for cultured products	Pack/100	67.50
4150-16	PP-YM-100K	Yeast and Mold Peel Plate	Pack/100	95.00
4150-21	BUF-NAS03	Sodium Bisulfate Concentrate	30 mL	20.00
4150-17	PP-YMHV-25K	Yeast and Mold Peel Plate High Volume	Pack/25	38.75
4150-18	PP-YMHV-100K	Yeast and Mold Peel Plate High Volume	Pack/100	150.00
4150-22	PP-EB-100K	Enterobacteriaceae Peel Plate	Pack/100	85.50
4150-50	PP-COLONY COUNTER	Colony Counter- Including wireless touch/keyboard (bar code and printer optional accessories)	Each	Ask for quote



Peel Plate Colony Counter



## Micro-Snap™ Microbial Detection (Hygiena)

### Microbial detection in 8 hours or less using bioluminescence

MicroSnap uses a bioluminogenic (light producing) test platform for the detection and correlation to numbers of bacteria. The methodology correlates relative light units (RLU) to colony forming units (CFU) as found in traditional plating and colony counting techniques.

The test consists of an enrichment device containing a specific growth medium and a detection device containing the bioluminogenic substrate. Light is generated when enzymes that are characteristic of specific bacteria react with specialized substrates. The light generating signal is then quantified in a sensitive EnSURE® luminometer. A positive control kit and a calibration control kit are available to provide ongoing validation and calibration checks.

The EnSURE instrument stores up to 5,000 locations, 200 user ID's and 100 test plans. It also comes with "SureTrend" data analysis software to store and track results:

- The "dashboard" puts important data right in front of you
- Pre-loaded reports are customizable and makes data analysis fast and easy
- Automated emails keeps you informed

In addition, EnSURE is capable of running multiple tests in addition to microbial detection, including:

- Environmental ATP using UltraSnap for measurement of cleaning efficiency – detects to 1.0 femtomoles
- Allergen cross-contamination prevention using SuperSnap – detects to 0.1 femtomoles
- AquaSnap for water ATP for biomass or organic residue

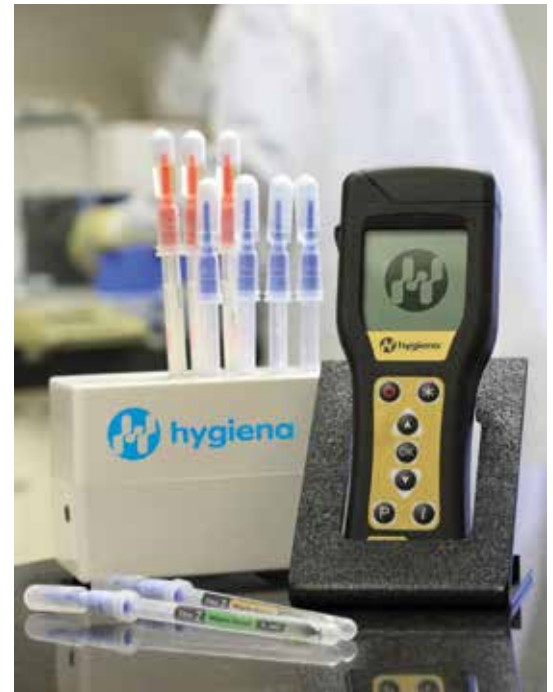
Four specific microbial tests are available:

- *E. coli*
- Coliform including *E. coli*, *Klebsiella*, *Citrobacter*, *Enterobacter*
- Enterobacteriaceae includes *Salmonella*, *Yersinia*, *Serratia*, *Shigella*, *E. coli*, *Klebsiella*, *Citrobacter*, *Enterobacter*
- Total Viable Count (TVC) which detects Gram positive and Gram negative aerobic and facultative anaerobic bacteria

(The *E. Coli* and Coliform tests are AOAC-RI Performance Tested<sup>SM</sup> Methods (#071020).

The first three test methods give results in 6 hours for enumeration and in 8 hours for presence/absence. The TVC test gives results for enumeration in 7 hours. These same-day results have many benefits for raw material testing, plant environmental monitoring and finished product testing:

- Raw materials
  - o Prevent contaminated materials from entering production
  - o Avoid hold times that shorten shelf life
  - o Prevent equipment down time
  - o Quickly verify Certificates of Analysis
- Plant environment
  - o Rapidly evaluate the effectiveness of cleaning and sanitation from a microbial perspective
  - o Document due diligence
  - o Identify and troubleshoot in hours instead of days
- Finished Product
  - o Release product sooner
  - o React to contamination before shipment
  - o Prevent recalls
  - o Reduce outside laboratory costs
  - o Protect your brand and reputation



Item No.	Mfr Item No.	Description	Qty	Qty Break	Your Cost
4161-50	MS2-ECOLI	Micro-Snap E. coli	case/100	1-2 3+	194.43 166.67
4161-60	MS2-COLIFORM	Micro-Snap Coliforms	case/100	1-2 3+	193.44 166.67
4161-65	MS1-CEC	Micro-Snap Enrichment Device for E. coli and Coliforms	case/100		121.51
4161-66	MS2-EB	Micro-Snap E. enterobacteriaceae	case/100	1 2+	191.25 166.67
4161-67	MS1-EB	Micro-Snap Enrichment Device for enterobacteriaceae	case/100		121.51
4161-68	MS2-Total	Micro-Snap Total Viable Count (TVC)	case/100	1 2+	97.50 86.67
4161-69	MS1-Total	Micro-Snap Enrichment Device for TVC	case/100		80.00
4161-00	MS1-N-BROTH-9mL	Enhanced Nutrient Broth 9mL: Total, Coliform, & E. coli	case/100	1 2+	141.08 126.23
4161-01	MS1-EB-BROTH-9mL	Enhanced EB Broth 9mL: EB, Coliform, & E. coli	case/100	1 2+	141.08 126.23

### ACCESSORIES: FOR COLIFORM RAPID TEST METHOD



EnSURE Luminometer see page 180.



## InSite™ Rapid Food Contact Surface *Listeria* Test and *Salmonella* Test (Hygiena)

### All-in-one test device includes reagent and swab

InSite™ is a quick and easy presumptive test that has been specifically designed to monitor the presence of *Listeria* and *Salmonella* in environmental samples from food contact surfaces. The test contains a liquid media formulated with antibiotics, growth enhancers, and color changing compounds specific to the growth of *Listeria* and *Salmonella* species.

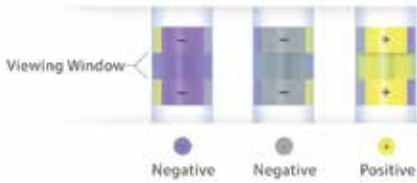
#### Key Features

- Self-contained test - no transfers minimizing the chance of contamination. Easy-to-use Snap-Valve™ technology - snap & squeeze
- Only equipment required is a 37°C ± 1° incubator or send to lab
- Large 2.5 inch foam swab for maximum sample pickup
- Write-on swab label

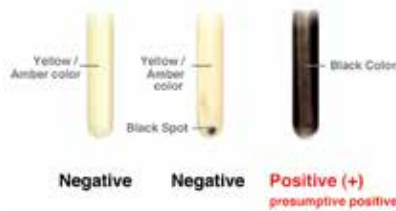
#### Benefits

- InSite reagent is AOAC approved
- Affordable
- No reagent wastage
- Consistent, reliable results

#### Interpreting Results - Salmonella



#### Interpreting Results - Listeria



#### Product performance claims - Listeria

- 30 hour incubation
- A color change from yellow to light brown/black is considered presumptive positive.
- Applicability of InSite is limited for selected common *Listeria* spp (*L. monocytogenes*, *L. innocua*, *L. ivanovii*, and *L. welshmeri*) on selected common surface types.
- Presumptive positive results are available for the most common *Listeria* spp in as little as 30 hours at levels as low as 1-10 CFU/mL (Results cannot be considered negative until samples have been incubated for 48 hours.)
- Compared to UVM and BLEB, provides superior/ equivalent recovery and faster detection of as low as 10-50 heat injured *L. monocytogenes*/mL within 24-30 hours of incubation.
- Provides higher level of selectivity and sensitivity for heat injured *L. monocytogenes* under binary competition conditions compared to BLEB and UVM media.
- Refrigerate media – 12 month shelf life from date of manufacture

#### Product performance claims – Salmonella

- 24 hour incubation
- A color change from bluish purple to yellow is considered a presumptive positive.
- Contains selective agents to prevent growth of competitive microflora while providing nutrients for growth of the resistant *Salmonella* species
- Sensitive – 98.5% sensitivity with 95% specificity (It is recommended that presumptive positives be confirmed by FDA/BAM or USDA protocols, or PCR for confirmation)
- Refrigerate media – 9 month shelf life from date of manufacture
- Ships next day air

Item No.	Mfr Item No.	Description	Qty	Qty Break	Your Cost
4161-38	IS050	InSite Salmonella test kit	pack/50	1 2+	350.00 312.50
4161-40	IL50	InSite Listeria test kit	pack/50	1 2+	350.00 312.50
4161-45	IL100	InSite Listeria test kit	pack/100	1 2+	540.00 450.00



## Digital Dry Block Incubators (Hygiena)

Hygiena's Digital Dry Block Incubators are designed specifically for Hygiena's test devices. Capable of up to 105 °C, the incubators can be set to any temperature you require. The digitally controlled, interchangeable blocks of the Lab Format Incubator are independently heated, allowing you to run two temperatures on one incubator at the same time – ideal for running a variety of tests. Auto-stop and sound alert features help you achieve perfect incubation time, every time. The Incubator is available in two sizes, the Lab Format Incubator with 35 well block and the Small Format Incubator 12 well block.



Item No.	Mfr Item No.	Description	Your Price
4161-80	INCUBATOR+IB003	Small Format Digital Incubator with 12-well block	298.00
4161-08	INCUBATOR	Small Format Digital Incubator for Micro-AllerSnap- Block not included	233.33
4161-85	INCUBATOR2+IB001	Lab Format Digital Incubator with 2 35-well blocks	454.50
4161-05	INCUBATOR2	Lab Format, Block(s) not included	300.00
4161-06	IB001	Swab Tube Block for Model No: INCUBATOR2 - 35 wells	90.00
4161-07	IB002	Vial Tube Block for Model No: INCUBATOR2 - 15 wells	113.00
4161-83	IB003	Swab Tube Block for Model No: INCUBATOR - 12 wells	80.00

800-328-8378

### ACCESSORIES: FOR DRY BATH INCUBATORS



AllerSnap see page 8.

BACTERIOLOGICAL TESTING

## Environmental Listeria and Salmonella Rapid Test Methods

(Paradigm Diagnostics)

Performance Tested<sup>SM</sup> status from the AOAC Research Institute

### Key advantages

- Specifically developed for use on food contact surfaces
- Self-contained method. Protect against the chance of contamination in your plant
- Four simple steps. Environmental testing made easy
- Rapid
  - Listeria spp. positive results in 30 hours (Results cannot be considered negative until samples have been incubated for 48 hours)
  - Salmonella spp. positive results in 24 hours
- Affordable – Big-savings compared to a commercial lab
- The only equipment needed is an incubator

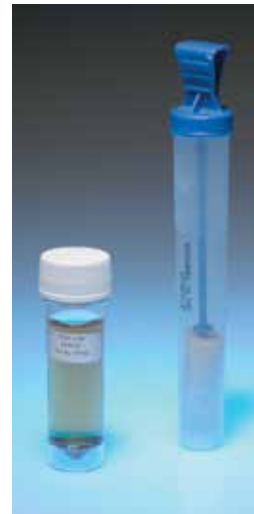
### Product performance claims

#### Listeria PDX-LIB

- Sensitive – Detects as low as 1 – 10 CFU/mL (It is recommended that presumptive positives be confirmed by FDA/BAM or USDA protocols, such as streaking Modified Oxford Media)
- Compared to other methods, such as Buffered Listeria Enrichment Broth Base (BLEB) and UVM Modified Listeria Enrichment Broth, LIB provides superior or equivalent recovery and faster detection of as low as 10-50 heat injured *L. monocytogenes* / mL within ~24-30 hours of incubation
- Provides higher level of selectivity and sensitivity for heat injured *L. monocytogenes* under binary competition conditions compared to BLEB and UVM media
- Comparable results to USDA methods (2% false negative; 1% false positive in real environmental samples)

#### Salmonella PDX-SIB

- Contains selective agents to prevent growth of competitive microflora while providing nutrients for growth of the resistant Salmonella species.
- Sensitive – 98.5% sensitivity with 95% specificity (It is recommended that presumptive positives be confirmed by FDA/BAM or USDA protocols, or PCR for confirmation)



4160-11



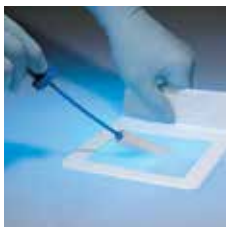
4160-21



Item No.	Description	Qty	Qty Break	Your Cost
4160-11	PDX-LIB Media complete with pre-moistened ENVIROMAX swabs	pack of 25 bottles and 25 sampling swab systems		<b>227.36</b>
4160-10	PDX-LIB Media complete with pre-moistened TECRA Enviroswabs	pack of 25 bottles and 25 sampling swab systems		<b>279.44</b>
4160-15	PDX-LIB Media only	Pack of 25 bottles		<b>194.23</b>
4160-21	PDX-SIB Media complete with ENVIROMAX pre-moistened swabs	pack of 25 bottles and 25 sampling swab systems		<b>227.36</b>
4160-22	PDX-SIB Media complete with pre-moistened TECRA Enviroswabs	pack of 25 bottles and 25 sampling swab systems		<b>279.44</b>
4160-20	PDX-SIB Media only	Pack of 25 bottles		<b>194.23</b>
3059-12	ENVIROMAX Sampling System	Pack of 25	1-9	<b>57.83</b>
			multiple of 10	<b>50.60</b>
4160-30	TECRA Enviroswab™ Sampling System	Pack of 25		<b>86.70</b>

Note: Refrigerate media – 9 month shelf life for SIB, 12 month shelf life for LIB, from date of manufacture

### Detect environmental pathogens in four extremely simple steps



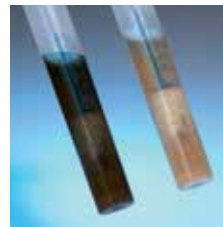
1. Remove sponge from its sterile container and swab a 4" X 4" (10 X 10 cm) area.



2. Return sponge to the same container and aseptically add one pre-measured 20 mL bottle of media.



3. Incubate at 37°C for 24 or 30 hours.



4. Read results.

*Listeria* – a positive turns brown-black. Negative is yellow-amber (results cannot be considered negative until samples have been incubated for 48 hours).

*Salmonella* – a positive changes color from bluish purple to yellow.



## Easygel™ Media (Micrology Laboratories)



Easygel (previously available as Redigel from 3M) replaces agar in microbiological media. This ingenious culture media uses pectin (the agent that puts the gel in jelly and jams) and not seaweed derived agar as a gelling agent. It comes as a sterile 2-part test unit consisting of a bottle of liquid medium and a petri dish that is pretreated with a special formulation. Here's how it works: When the bottle of liquid medium is poured into the pretreated petri dish, ions diffuse from the pretreatment layer into the liquid causing it to gel. Complete gelling takes around 40 minutes. The result is an instant, hassle-free petri dish: where you want it and when you want it. Adding inoculum is done by a variety of simple methods (pour plate, streak plate or membrane filter). If desired, the individual bottles can be lined up and samples can be added directly, swirled and poured for rapid large scale testing. With Easygel, you spend less time preparing and more time performing. Easygel Standard Plate Count and Violet Red Bile are Official AOAC methods and are APHA approved for food, dairy and beverage testing.

Item No.	Mfr. Item No.	Description	Storage Upon Receipt	Appearance	Qty	Your Cost
3093-50	28001	Coliform (contains a defined substrate indicator and coliform colonies will be blue-green)	freeze	blue-green	Pack of 50 test kits (50 bottles of liquid medium and 50 treated petri dishes)	53.49
3093-25	42001	MRS	ambient	colorless		68.76
3093-30	44001	Orange Serum	ambient	yeast are shiny white bacteria can be white mold can be various		61.11
3093-35	31001	Potato Dextrose, pH balanced (acidified)	ambient	yeast are shiny white molds have fuzzy surface in various colors		53.49
3093-40	32001	Potato Dextrose w/Antibiotic, pH balanced (acidified)	freeze	same as above		57.28
3093-55	11001	Standard Plate Count	ambient	colorless or white		51.95
3093-60	12001	Standard Plate Count w/T-Salt	ambient	pink or red	51.95	
3093-65	21001	Violet Red Bile	ambient	pink to brick-red	53.49	
3093-95		Extra petri dishes	ambient		pack/20	11.76
3093-96		Extra petri dishes treated with T-Salt	ambient		pack/20	11.76

## Coliscan™ Easygel Media (Micrology Laboratories)



*EPA approved for investigations of E. coli and other coliforms*

This medium marks coliforms and E. coli in differing colors for easy identification and isolation. Coliform bacteria will grow as pink-magenta colonies while E. coli will grow as purple-blue colonies. Other bacterial types will generally grow as non-colored colonies. Storage: Freeze. Medium and dish shelf life: 1 year. Dish storage: Room temperature.

Item No.	Mfr. Item No.	Description	Appearance	Qty	Your Cost
3093-45	25001	Coliscan Easygel Medium for the growth of E. coli and Coliform bacteria.	E. coli are purple-blue Coliforms are pink-red	Pack of 50 test kits (50 bottles of liquid medium and 50 treated petri dishes)	99.08
3093-70	CMF01	Coliscan MF Medium for the growth of E. coli and Coliforms with membrane filtration.	same as above	20 mL bottle, sufficient for 10 tests	14.81



## ECA CHECK® Easygel for Foods and Beverages (Micrology Laboratories)

*Rapid Screening for E. coli, Total Coliforms, Aeromonas and Salmonella*

The media was developed and formulated to enhance maximum versatility Grow, differentiate, identify and quantify E. coli, other coliforms, Salmonella spp., and Aeromonas spp. while inhibiting gram positive organisms and some other gram negative types in a 24-hour incubation period.

- E. coli colonies will appear as a dark blue color. With the ECA Check® Plus media, they will fluoresce a bright blue under a UV light.
- Other Coliforms will appear as lighter blue-gray colored colonies.
- Salmonella spp. grow as light green colonies
- Aeromonas spp. grow as pink colonies.

Item No.	Mfr. Item No.	Description	Qty	Your Cost
3093-75	26001	ECA Check	pack/50 test kits	140.56
3093-78	26301	ECA Check Plus	pack/50 test kits	155.85



800-328-8378

### ACCESSORIES: FOR CULTURE MEDIA



Additional Prepared Media see pages 243-248.  
Rapid Water Tests see pages 242-247.  
Membrane Filtration Supplies see pages 248-251.

BACTERIOLOGICAL TESTING



## foodproof® Yeast and Mold Quantification LyoKit (BIOTECON Diagnostics)

**Revolutionary speed - results in 4 hours - with NO pre-enrichment!**

This test is based on real-time PCR technology which is well-established as a rapid, highly sensitive and specific detection method. Most current plate count methods take a minimum of 5 days to get a result, sometimes longer, so a 4 hour same day method is a major breakthrough in testing for the micro-organisms responsible for significant spoilage and economic losses in the food and dairy industry.

100% specificity has been demonstrated with 300 strains representing 260 species with all important phylogenetic groups included. 100% exclusivity was also demonstrated with 60 strains of non-target micro-organisms typically found in similar ecological niches. Sensitivity is 10<sup>1</sup> – 10<sup>2</sup> cells/g depending on sample type.

- Safe: Prevention of carry-over cross-contamination by using Uracil-N-Glycosylase
- Correlation: High degree of correlation between conventional methods and real-time PCR method. Results are displayed in cfu/g. Only viable organisms are detected
- All-inclusive: Comprehensive packages of sample preparation and detection kits, real-time instruments and diagnostic software
- Rapid: Significant time savings compared to conventional methods
- User-friendly: Convenient, all-inclusive method for DNA extraction, viable / non-viable differentiation and quantitative real-time PCR analysis

BIOTECON Diagnostics is an experienced manufacturer of fully-licensed PCR-based rapid tests for the food industry since 1998, with applications and R&D supported by an ISO 17025 accredited service lab.

Item No.	Mfr. No.	Description	Qty	Your Cost
<b>4162-01</b>	R 60242-1	foodproof Yeast and Mold Quantification LyoKit, -5'Nuclease-, low profile	96 reactions with a final volume of 25 µL	Call for Price
<b>4162-02</b>	R 60242-2	foodproof Yeast and Mold Quantification LyoKit, -5'Nuclease-, regular profile	96 reactions with a final volume of 25 µL	Call for Price
<b>4162-03</b>	S400-08	foodproof StarPrep Two Kit, 1 container with 42 mL Lysis Buffer and a magnetic stir bar	96	Call for Price
<b>4162-04</b>	S400-08L	foodproof StarPrep Two Kit, 1 container with 42 mL Lysis Buffer and a magnetic stir bar	480	Call for Price
<b>4162-06</b>	A50002	Reagent D	100 reactions	Call for Price

## NEW! foodproof® GMO Screening Kits (BIOTECON Diagnostics)

The foodproof GMO Screening 1 LyoKit and the foodproof GMO Screening 2 LyoKit contain 8 targets in total to receive the most information with the least amount of effort for maximum coverage about the presence of GMOs.

The foodproof® Plant Detection LyoKit detects plant DNA in raw material, processed food, feed and seed samples. The risk of false-negative results caused by degraded DNA can be eliminated using this kit. Additionally, the test can be used as a process control.

- 100% Inclusivity: Detection of > 95% of all approved genetically modified plants
- 100% Exclusivity: Controlled by amplification of a highly conserved gene, present in all green plants
- Fast: 2 hours to result with < 60 min of hands on time after enrichment
- Safe: Prevention of false-negative results by internal control and prevention of carry-over contamination using Uracil-N-Glycosylase
- Sensitive: Validated to detect ≥ 0.1% relative GMO content
- Easy: Convenient, complete solution including DNA extraction and real-time PCR analysis

Item No.	Mfr. No.	Description	Qty	Your Cost
<b>4163-01</b>	R60217-1	foodproof® GMO Screening 1 LyoKit, Low profile	pack/96	Call for Price
<b>4163-02</b>	R60217-2	foodproof® GMO Screening 1 LyoKit, Regular profile	pack/96	Call for Price
<b>4163-03</b>	R60218-1	foodproof® GMO Screening 2 LyoKit, Low profile	pack/96	Call for Price
<b>4163-04</b>	R60218-2	foodproof® GMO Screening 2 LyoKit, Regular profile	pack/96	Call for Price
<b>4163-05</b>	R60221-1	foodproof® Plant Detection LyoKit, Low profile	pack/96	Call for Price
<b>4163-08</b>	R60221-2	foodproof® Plant Detection LyoKit, Regular profile	pack/96	Call for Price

## NEW! foodproof® Sample Preparation Kit III (BIOTECON Diagnostics)

The Sample Preparation Kit III is designed for the demanding isolation and purification of DNA from raw materials and foodstuffs of plant or animal origin for GMO, allergen or animal ID analysis by real-time PCR.

### Principle

- Cells are lysed by incubation in the foodproof Sample Preparation Kit III extraction buffer
- Extracted DNA is digested in proteinase K to destroy endogenous nucleases and other proteins
- The DNA is applied to the included glass fiber filter and purified with the foodproof Sample Preparation Kit III wash buffer
- Purified DNA is then eluted using the foodproof Sample Preparation Kit III elution buffer and is ready to use

### Features

- Isolation of highly purified DNA, free of other cellular components and PCR inhibitors
- The DNA is suitable for all qualitative and quantitative applications on all major real-time PCR devices
- Designed for all plant and animal matrices, including those containing genetically modified organisms

Item No.	Mfr. No.	Description	Qty	Your Cost
<b>4163-09</b>	S40006.1	foodproof® Sample Preparation Kit III	pack/50	Call for Price

**NEW!** **foodproof® GMO RR 2 Yield Soya Quantification Kit (BIOTECON Diagnostics)**

The **foodproof** GMO RR 2 Yield Soya Quantification Kit enables determination of the percentage of Roundup Ready 2 Yield soybean (MON89788) relative to total soy content in a sample. Roundup Ready 2 Yield is the successor product of Roundup Ready Soya (GTS 40-3-2).

- Fast: 2 hours to results with < 50 min of hands-on time after enrichment
- Sensitive: Validated to detect ≥ 0.1% relative GMO content
- Easy: Convenient, complete solution including DNA extraction and real-time PCR analysis
- Safe: Prevention of false-positive results and carry-over contamination by using Uracil-N-Glycosylase

Item No.	Mfr. Item No.	Description	Qty	Your Cost
❄️ 4163-19	R 302 35	<b>foodproof</b> GMO RR 2 Yield Soya Quantification Kit	pack/128	<b>Call for Price</b>

**NEW!** **foodproof® GMO 35S Maize Quantification Kit (BIOTECON Diagnostics)**

The **foodproof** GMO 35S Maize Quantification Kit allows the determination of the proportion of genetically modified maize relative to the total content of corn in a sample. For this purpose, the 35S promoter of the cauliflower mosaic virus (CaMV) is used because it occurs in all major corn events, e.g. in Bt11, Bt176, MON810 and MON863.

- Fast: 2 hours to results with < 50 min of hands-on time after enrichment
- Sensitive: Validated to detect ≥ 0.1% relative GMO content
- Easy: Convenient, complete solution including DNA extraction and real-time PCR analysis
- Safe: Prevention of false-positive results and carry-over contamination by using Uracil-N-Glycosylase

Item No.	Mfr. Item No.	Description	Qty	Your Cost
❄️ 4163-18	R 302 29	<b>foodproof</b> GMO Maize Quantification Kit	pack/128	<b>Call for Price</b>

**NEW!** **foodproof® Salmonella Detection LyoKit (BIOTECON Diagnostics)**

The **foodproof** Salmonella Detection LyoKits are based on 5'Nuclease probes and provide fast, accurate detection of *Salmonella* spp..

- 100% Inclusivity: > 700 Salmonella strains tested, including representatives of all species, subspecies and serogroups
- 100% Exclusivity: > 60 strains tested, including closely related organisms and micro-organisms of the same habitat
- Fast: 24 hours to result with < 30 min of hands-on time after enrichment
- Safe: Prevention of false-negative results by internal control and prevention of carry-over contamination using Uracil-N-Glycosylase
- Sensitive: Validated to detect 1– 10 cfu/25 g sample, including enrichment
- Easy: Convenient, complete solution, including DNA extraction and real-time PCR analysis

Item No.	Mfr. Item No.	Description	Qty	Your Cost
4163-21	R60227-1	<b>foodproof®</b> Salmonella Detection LyoKit, Low profile	pack/96	<b>Call for Price</b>
4163-22	R60227-2	<b>foodproof®</b> Salmonella Detection LyoKit, Regular profile	pack/96	<b>Call for Price</b>

**NEW!** **foodproof® Enterobacteriaceae and Cronobacter Detection Kit (BIOTECON Diagnostics)**

The kit enables the detection of Enterobacteriaceae and identification of Cronobacter in one single test. Save time and money: negative for Enterobacteriaceae means negative for Salmonella, too!

- 100% Inclusivity: A total of 160 Cronobacter spp. strains and 61 Enterobacteriaceae strains tested
- 100% Exclusivity: A total of 122 strains tested, 61 non-Cronobacter Enterobacteriaceae, and 61 non-Enterobacteriaceae including closely related organisms and microorganisms of the same habitat
- Fast: 24 hours to result with < 40 min of handson time after enrichment (except probiotics)
- Safe: Prevention of false-negative results by internal control and prevention of carry-over contamination using Uracil-N-Glycosylase
- Sensitive: Validated to detect 1-10 cfu/10 g or 100 g sample, including enrichment
- Easy: Convenient, complete solution including DNA extraction and real-time PCR analysis

Item No.	Mfr. Item No.	Description	Qty	Your Cost
❄️ 4163-20	R30215.1	<b>foodproof®</b> Enterobacteriaceae plus Cronobacter Detection Kit -5'Nuclease-, regular profile	pack/96	<b>Call for Price</b>

**NEW!** **foodproof® StarPrep One Kit (BIOTECON Diagnostics)**

The **foodproof** StarPrep One Kit is designed for the rapid preparation of DNA from Gram-negative bacteria like Salmonella or Cronobacter for direct use in PCR. Up to 96 samples can be processed in parallel. In less than 30 minutes, preparation with this Lysis Buffer yield PCR template DNA from 100 µl (or more) of enrichment cultures. The obtained DNA can be used directly in any PCR application. The special Lysis Buffer eliminates the need for hazardous organic extractions or chaotropic agents. The reduced number of handling steps results in time savings and, because transfer steps of DNA containing extracts are not necessary, cross-contamination risks are minimized as well as the exposure to biohazardous material.

**Principle**

- Cells are lysed during incubation in the foodproof StarPrep One Kit lysis buffer
- After centrifugation, the DNA is in the supernatant and ready to use

**Features**

- Fast and flexible DNA extraction from food
- Successfully tested with hundreds of food matrices, animal feed and environmental samples including PPS
- Validated and certified by internationally recognized institutions such as AOAC, MicroVal, NordVal and DAFF

Item No.	Mfr. Item No.	Description	Qty	Your Cost
4163-23	S40007	<b>foodproof®</b> StarPrep One Kit	pack/100	<b>Call for Price</b>
4163-24	S40007L	<b>foodproof®</b> StarPrep One Kit	pack/500	<b>Call for Price</b>

800-328-8378

**ACCESSORIES: FOR FOODPROOF TEST KITS**



Homogenizing Lyzers see page 21.  
Centrifuges see pages 23.

BACTERIOLOGICAL TESTING

## Additional Equipment Required for foodproof® Detection and Quantification Kits.

- Tabletop microcentrifuge capable of a 13,000 x g centrifugal force (e.g. Micro Star® 17 with 24 tube capacity)
- Real-Time PCR Cycler (e.g. PikoReal® 24) or other real-time PCR cycler
- Unit for mechanical cell disruption, suitable for working with 2.0 mL tubes (e.g. MagNA® Lyser)
- High Power halogen light (e.g. 500 W Halogen fixture)
- Stomacher
- Magnetic Stirrer
- Vortex Mixer
- Pipettors: 1-10 µL; 10-100 µL; 100-1000 µL
- Filter Tips
- Dry Bath Incubator
- Block to hold 2.0 mL Tubes
- Cooling Block to hold 2.0 mL Tubes
- Rack to hold 2.0 mL Tubes
- UV PCR Cabinet



**NEW!** **LightCycler® 96 Real-Time PCR Cycler (Roche)**

*The optimal mid-size, mid-throughput real-time PCR solution*

The LightCycler® 96 Instrument is a real-time PCR system for rapid cycling up to 96 samples. Applications include absolute and relative quantification, melting curve analysis, and endpoint genotyping. Precise LightCycler® 96 Instrument thermal homogeneity and cycling speed produce accurate and reproducible results in a very short time.



The LightCycler® 96 Instrument's optical detection system flexibly detects sequence-dependent probes, such as hydrolysis probes and sequence-independent dyes (i.e., SYBR Green I). Multiplex and multicolor capabilities permit the use of up to four different fluorescent dyes. New innovative LightCycler® 96 Application and Instrument Software creates a simple analysis workflow with easy import and export functions, email notifications after each run, online monitoring flexibility, and server-based network interfacing.

**Features**

- Plate-based real-time PCR system with 96-well block
- Temperature gradient (assay optimization)
- Standalone system (integrated PC)
- Touchscreen with separate instrument software (free to load on any PC)
- Dynamic range of 10 log
- Sensitivity of one copy
- 4-plex multicolor
- Runtime of less than 1 hour
- Applications: Absolute Quantification, Relative Quantification, Endpoint Genotyping, Melting Curve Analysis
- Intuitive state-of-the-art software
- PC analysis software can be loaded free of charge on any PC

Item No.	Mfr. Item No.	Description	Your Cost
4162-14	D100 13	LightCycler 96 Real-Time PCR Cycler	30000.00

**NEW!** **LightCycler® 480 II Real-Time PCR Cycler (Roche)**

*Rapid high-throughput, plate-based real-time PCR amplification and detection instrument.*

The LightCycler® 480 System is a high-performance, medium- to high-throughput PCR platform (96-well plates) that provides various methods for gene detection, gene expression analysis, genetic variation analysis, and array data validation. The system features the LightCycler® 480 Instrument, a versatile, plate-based real-time PCR device that supports mono- or multicolor applications, as well as multiplex protocols. The benchtop instrument is easily customizable to meet changing user requirements, and can be integrated into everyday use as a robotically controlled, automated high-throughput solution. The LightCycler® 480 Instrument is designed for general laboratory use and is not intended for use in diagnostic procedures.

- Obtain fast, highly sensitive, and reproducible results for qualitative and quantitative detection of nucleic acids, mutation scanning, and SNP analysis. Use basic and advanced methods for gene expression and genotyping based on endpoint analysis or melting curves.
- Benefit from cutting-edge thermal block and optical technology that leads to excellent well-to-well homogeneity and maximized detection sensitivity.
- Use a wide range of probe formats (e.g., FRET or HybProbe probes, SimpleProbe probes, hydrolysis probes) and fluorescent dyes (e.g., SYBR Green I, ResoLight Dye, FAM, HEX, Cy5, LightCycler® Red 610, LightCycler® Red 640, and LightCycler® CYAN 500).
- Choose the optimal type of multiwell plate (white or clear) to best fit your assay format, application, and workflow. Use the available adapter plate to also work with LightCycler® tube strips.
- Build a modular real-time PCR platform to meet your particular needs. Flexibly switch between plate formats and thermal block cyclers in just a few minutes with no recalibration time, and benefit from additional user-friendly software modules.
- Extract meaningful results via the state-of-the-art data analysis methods, in line with MIQE guidelines. Analyze true raw data without the need for passive reference dyes or normalization plates.
- Protect your data using a system compatible with 21 CFR part 11 requirements.
- Integrate the LightCycler® 480 System as part of a LIMS in combination with robotic pipetting and plate loading.

Item No.	Mfr. Item No.	Description	Your Cost
4162-13	D100 03	LightCycler 480 II Real-Time PCR Cycler	55000.00



**PikoReal® 24 Real-Time PCR Cycler**  
(Thermo Scientific)

This instrument is an open real-time PCR system capable of running up to 24 samples simultaneously. The compact cycler carries an on-board computer, enabling a small bench-top footprint. Additionally, it offers a maintenance-free LED light source.



**Feature overview:**

- Light Source: 5 LEDs
- Sample Capacity: up to 24 samples
- Detection: Simultaneous, scan-free detection from all wells using a CCD camera
- Detection Channels: 4 Detection channels simultaneously (compatible with FAM, VIC/HEX, ROX and Cy5 used in BIOTECON real-time PCR kits)
- Software Capabilities: allows for absolute quantification analysis, relative quantification analysis, and melting curve with Tm calling
- Software: open and easily programmable PCR instrument, the PikoReal allows the user to view the program as well as the raw data
- LIMS Compatibility: State-of-the-art LIMS connectivity
- Temperature Control: Peltier-based heating/ cooling
- Heating and Cooling Rate: 5°C/ second and 4.5°C/ second, respectively
- Dimensions and Weight: 30 cm x 23 cm x 31 cm, 10kg
- Other equipment included: operation via USB or software which can be installed free of charge on your PC

Item No.	Mfr. Item No.	Description	Your Cost
4162-10	D10005	Thermo Scientific PikoReal® 24 Real-Time PCR Cycler	19648.00



**foodproof® D-Light**  
(BIOTECON Diagnostics)

The foodproof D-Light instrument is designed for the differentiation of DNA from dead and living cells.

The reaction principle is a photoactivation using Reagent D to avoid false-positive PCR results. Exposure to visible light leads to covalent binding of this substance to DNA and prevents the DNA from being amplified via PCR. It works as a preliminary step of sample treatment before the DNA extraction. The stand-alone foodproof D-Light is a compact benchtop solution that fits in every lab.



Fast:	Up to 96 samples can be processed simultaneously
Versatile:	Insertion slide-in allows use of different microplates and adapter in SBS format e.g. deepwell plates
Economic:	LED with very low energy consumption of just 9 W
Convenient:	Just insert plate and close lid, program starts automatically
Safe:	Secure sample workflow; no ice needed, as no development of heat; reduced risk of cross contamination
Approved:	Tested and certified for CE/ FCC and product safety

Item No.	Mfr. Item No.	Description	Your Cost
4162-09	D110 45	foodproof® D-Light	3914.00



**AriaMx 96 Real-Time PCR System**  
(Agilent)



The AriaMx 96 Real-Time PCR System is a fully integrated quantitative PCR amplification, detection, and data analysis system. The system design combines a state-of-the-art thermal cycler, an advanced optical system with an LED excitation source, which detects hydrolysis (5'Nuclease / TaqMan®) probes either as single color or multiplex samples, and offers complete, intuitive and user-friendly data analysis software. The instrument can hold up to six optics modules, and the scanning optics design delivers optimal separation between the dyes and between samples.

The AriaMx can be used for a variety of research applications including gene expression analysis, genotyping, mRNA quantification, NGS quantification containing library prep and result validation, nucleic acid monitoring and rare allele detection.

**Feature overview:**

- **Light Source:** 8 dye specific LEDs per optical module
- **Sample Capacity:** up to 96 samples
- **Detection:** 8 silicon photo-detectors per optical module
- **Detection Channels:** up to 6 slots, swappable cartridges (e.g. **SYBR/FAM** 462.5 – 516.0nm, **HEX** 535.0 – 555.0nm, **ROX** 585.0 – 610.0nm, **CY3** 542.0 – 568.5nm, **CY5** 635.0 – 665.0nm)
- **Software Capabilities:** Quantitative and qualitative gene expression analysis, miRNA analysis, Genetic mapping, Genetic fingerprinting, NGS library quantification, 2-6 channel multiplex analysis, HRM analysis (including genotyping, mutational analysis, and class IV SNP detection), Pathogen quantification.
- **Heating and Cooling Rate:** 6°C/ second and 3°C/ second, respectively
- **Consumables Used:** 0.2mL tubes, 96 well plates, strip tubes
- **Software:** intuitive, state-of-the-art
- **Temperature Control:** Six peltiers made from two ceramic plates with semi-conductor elements
- **Dimensions and Weight:** 50cm x 46cm x 42cm, 23kg
- **Other equipment included:** not necessary, as is a stand-alone system (integrated touchscreen PC); however, software can be installed free of charge on other PCs

Item No.	Mfr. Item No.	Description	Your Cost
4162-11	D10027	AriaMX 96 Real-Time PCR	23631.00

FIND IT AT WEBERSCIENTIFIC.COM



• Water Activity Meters from Novasina

## RCS High Flow Touch Microbial Air Sampler (EMD Millipore)

The RCS High Flow Touch delivers reliable reproducible results for applications assessing the quality of ambient air. Sampler operates on impaction principle, drawing airborne microorganisms onto an agar media strip for later incubation and analysis. Together with standardized, ready-to-use and certified HYCON Agar Strips the RCS High Flow Touch air samplers provide a complete system that is fully validated according to ISO 14698-1.



- Factory calibrated for use with the HYCON media strips
- High-resolution color touch single screen and user interface
  - Self-explaining icons guide through the menus
  - Commonly used symbols and functions
  - Standardized or flexible sampling options
  - Acoustic signaling
  - Manage up to 10 rotors
- Intuitive RCS Management Software is included
  - Date/time
  - Language
  - Time delay
  - Interval sampling
  - QA management

- Intuitive RCS Management Software is included
  - Date/time
  - Language
  - Time delay
  - Interval sampling
  - QA management
- Lightweight, compact design for portability and ease of use
- Horizontal or vertical installation, measurement at heights of up to 3 meters
- Centrifugal motion draws sample at 100 L/min at a particle size of 4 µm diameter; 8200 rpm rotor speed
- Seven preset, 3 user-defined sampling volumes
- Compatible with common sterilization and disinfection methods
  - Lexan® polycarbonate housing; aluminum/stainless steel autoclavable head
- Used with standardized and ready-to-use media or pour your own
  - Order agar strips separately

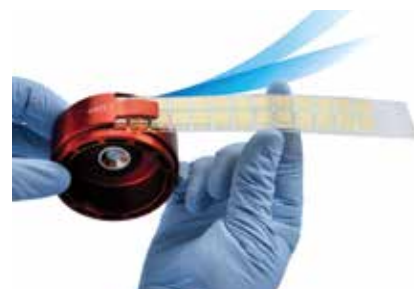
Includes power supply, cable, USB adapter, RCS Software, rotor, cap, case, quick guide, manual and calibration certificate

Item No.	Description	Mfr. Item No.	Qty Break	Your Cost
<b>4140-80</b>	RCS High Flow Air Sampler	1441940001	1	<b>5821.18</b>
			2+	<b>5687.36</b>
<b>4140-81</b>	Tripod	1442090001		<b>444.76</b>
<b>4140-83</b>	Recharging Station	1442560001		<b>563.81</b>
<b>4140-88</b>	carrying case	1441500001		<b>348.57</b>

## HYCON Agar Strips

Use standardized media for complete validation of the system according to ISO 14698

(Drop-ship from mfr. only)



Item No.	EMD-Millipore (Biotest) Mfr Model No.	Description	Storage °C	Qty	Qty Break	Your Cost
<b>4140-40</b>	1.44253.0050 (941105)	TC - Tryptic Soy Agar for total count	2-25	50 strips	1	<b>112.20</b>
					2+	<b>108.24</b>
<b>4140-41</b>	1.44240.0050 (941135)	TSM – Modified Tryptic Soy Agar –with neutralizers against disinfectants and growth supplements; for identification of the total count of fastidious and sub lethally damaged microorganisms	2-25	50 strips	1	<b>112.20</b>
					2+	<b>108.24</b>
<b>4140-42</b>	1.44242.0050 (941196)	YM – Rose Bengal Agar with streptomycin; for determination of yeasts and molds	2-25	50 strips	1	<b>112.20</b>
					2+	<b>108.24</b>
<b>4140-43</b>	1.44243.0050 (941205)	SDX – Sabouraud Dextrose Agar – with modified Pharmacopoeia formulation; for determination of yeasts and molds	2-25	50 strips	1	<b>112.20</b>
					2+	<b>108.24</b>
<b>4140-44</b>	1.44245.0025 (941225)	Dichloran Glycerine Agar – for determination of yeasts and molds	2-25	25 strips	1	<b>87.32</b>
					2+	<b>84.24</b>
<b>4140-45</b>	1.44102.0025 (941405)	Mannitol Salt Agar – for determination of staphylococci	2-25	25 strips	1	<b>87.32</b>
					2+	<b>84.24</b>
<b>4140-46</b>	1.44099.0025 (941505)	MacConkey Agar – for determination of coliform bacteria	2-15	25 strips	1	<b>87.32</b>
					2+	<b>84.24</b>
<b>4140-47</b>	1.44107.0050 (941605)	HYCON Blank Strip Kit – empty strips for manual production of culture media		50 strips	1	<b>88.29</b>
					2+	<b>85.18</b>
<b>4140-70</b>	1.44111.0100 (941900)	HYCON Cover Slides – to prevent desiccation during incubation		100 slides	1	<b>23.38</b>
					2+	<b>22.24</b>

### ACCESSORIES: FOR CULTURE MEDIA



Additional Prepared Media see pages 52-59, 243-248.  
Rapid Water Tests see pages 242-247.  
Membrane Filtration Supplies see pages 248-251.

## CAMTU Compressed Air Microbial Test Unit (Parker Balston)

### Identify sources of contamination in compressed air and improve food safety

The CAMTU compressed air microbial test unit identifies sources of contamination in compressed air. Compressed air is used in a broad range of applications in the food processing industry, such as mixing of ingredients, cutting, sparging, drying of product, transporting/pelleting product through processing systems and packaging of final product. In many of these applications, compressed air is in direct contact or indirect contact with food product. The impurities in the compressed air may contaminate the food product which can result in change of color and taste, reduced shelf life, in addition to exposure to bacteria and other micro-organisms, can result in product recalls.

#### How to use the CAMTU microbial test unit:

To obtain a sample, simply plug the connection tubing into the sample point on the compressed air system, insert a specially designed petri dish into the CAMTU, close the CAMTU, open the shutoff valve and expose the agar for 20 seconds. After exposure simply place the petri dish in an incubator for 48-hours or in a controlled environment of at least 68°F and observe for colony forming units (CFUs). Handles up to 40 PSI.



#### Features & Benefits:

- Specially designed 4-section petri dish
- Lightweight and ergonomically designed for ease of use
- Constructed of durable polypropylene - easily sanitized
- Pre-filled petri dishes with specialized tryptic soy agar designed to hold up to compressed air flow/pressure
- No electrical supply required
- Quick sampling time – 20 seconds

**A complete kit which includes:** CAMTU Sampling Device, DFU (Drainage fixture unit) Assembly, Timer device, Tubing ¼" OD, Regulator/Metering Assembly, Sanitizing spray bottle, and Shut off valve. Purchase petri dishes separately.

Item No.	Mfr Item No.	Description	Qty	Your Cost
<b>4140-50</b>	C01-0136	Compressed Air Microbial Test Kit	Each	<b>1108.00</b>
<b>4140-58</b>	C01-0143	Tryptic-soy agar (TSA) Pre-filled Plates	Pk/5	<b>44.47</b>
<b>4140-59</b>	C01-0134	Potato Dextrose Agar (PDA) Pre-filled Plates	Pk/5	<b>44.47</b>
<b>4140-60</b>	C01-0133	Unfilled petri dishes for CAMTU	Pk/5	<b>15.88</b>
<b>4140-52</b>	C01-0142	CAMTU Replacement Assembly	Each	<b>785.00</b>
<b>4140-53</b>	C01-0139	CAMTU Replacement Integral Timer	Each	<b>89.00</b>
<b>4140-54</b>	C01-0124	CAMTU Replacement Spray Bottle	Each	<b>29.41</b>
<b>4140-55</b>	C01-0125	CAMTU Replacement Regulator Assembly	Each	<b>330.97</b>
<b>4140-57</b>	C01-0126	CAMTU Replacement Shut-off Valve	Each	<b>32.50</b>

## GasPak™ EZ Gas Generating Container System (BD Diagnostics)

### Cultivation of Anaerobic Bacteria

The GasPak™ EZ Gas Generating Container Systems are multi-use systems that produce atmospheres suitable to support the primary isolation and cultivation of anaerobic, microaerophilic, or capnophilic bacteria by use of gas generating sachets inside multi-use incubation containers. The system offers bio-performance and reliability without the need for a catalyst or activation procedure. The GasPak EZ Gas Generating Sachet contains all the ingredients needed to create a specific atmosphere for specimen incubation. The sachet and specimens are placed in the clear, stackable, plastic GasPak EZ Incubation Container. The container is sealed and the sample is incubated.



Item No.	Mfr. Item No.	Description	Qty	List Price	% Off List	Your Cost
<b>3098-50</b>	260678	GasPak EZ Anaerobe Container System Sachets	pack/20	77.78	10	<b>70.00</b>
<b>3098-51</b>	260001	GasPak EZ Anaerobe Container System Sachets w/Indicator	pack/20	74.58	10	<b>67.12</b>
<b>3098-52</b>	260683	GasPak EZ Anaerobe Pouch System	pack/20	109.22	10	<b>98.30</b>
<b>3098-53</b>	260680	GasPak EZ Campy Container System Sachets	pack/20	82.29	10	<b>74.06</b>
<b>3098-54</b>	260685	GasPak EZ CampyPouch™ System	pack/20	99.51	10	<b>89.56</b>
<b>3098-55</b>	260679	GasPak EZ CO2 Container System Sachets	pack/20	77.78	10	<b>70.00</b>
<b>3098-56</b>	260684	GasPak EZ CO2 Pouch System	pack/20	94.20	10	<b>84.78</b>
<b>3098-59</b>	271051	GasPak Dry Anaerobe Indicator Strips	pack/100	98.24	10	<b>88.42</b>
<b>3098-57</b>	260672	GasPak EZ Large Incubation Container	each	140.54	10	<b>126.49</b>
<b>3098-63</b>	260674	GasPak EZ Large Incubation Rack	each	81.71	10	<b>73.54</b>
<b>3098-58</b>	260671	GasPak EZ Standard Incubation Container	each	129.11	10	<b>116.20</b>
<b>3098-62</b>	260673	GasPak EZ Standard Incubation Rack	each	77.38	10	<b>69.64</b>
<b>3098-60</b>	260002	GasPak EZ Small Incubation Container	each	94.10	10	<b>84.69</b>
<b>3098-61</b>	260003	GasPak EZ Small Incubation Rack	each	65.36	10	<b>58.82</b>



## Haze Meter for Beer Quality (Hanna HI847492-01)

*Meets ASBC (American Society of Brewing Chemists) standard*

This auto diagnostic instrument compensates a beer color to guarantee accurate readings during the brewing process. The optical system consists of an LED and multiple detectors. A two, three or four point calibration can be

easily performed at any time using the supplied or user prepared standards.

This meter has all the necessary GLP (Good Laboratory Practice) features to allow maximum traceability of data. Features include a real time clock, log on demand (up to 200 measurements), and Fast Tracker™ —Tag Identification System.

This meter also incorporates a continuous measurement mode to measure the settling rate of suspended matter, and a signal average (AVG) mode to accumulate multiple readings giving a final average value. The average mode is particularly useful to measure samples with suspended particles with different dimensions.

Features a user-friendly interface, with a large backlit LCD and acoustic signals and display codes to guide the user step-by-step through routine operations.

### Specifications

Range	0.00 to 9.99 FTU 10.0 to 99.9 FTU 100 to 1000 FTU
Range Selection	Automatic
Resolution	0.01 FTU from 0.00 to 9.99 FTU 0.1 FTU from 10.0 to 99.9 FTU 1 FTU from 100 to 1000 FTU
Accuracy	±2% of reading plus 0.05 FTU
Repeatability	±1% of reading or 0.02 FTU, whichever is greater
Stray Light	< 0.1 FTU
Light Source	LED @ 580nm
Light Detector	Silicon Photocell
Method	Ratio Nephelometric Method
Display	60 x 90mm backlit LCD
Calibration	Two, three or four point calibration
Log Memory	200 records
Serial Interface	RS232 or USB
Environment	0 to 50°C (32 to 122°F); max 95% RH non-condensing
Power Supply	4 x 1.5V AA alkaline batteries or AC adapter for 115V
Auto Shut-off	After 15 minutes of non-use
Dimensions	224 x 87 x 77 mm (8.8 x 3.4 x 3.0")
Weight	512 g (18 oz.)

Item No.	Mfr Item No.	Description	Your Cost
3009-05	HI847492-01	Supplied with HI 98501-1 Checktemp® thermometer, Checktemp® instruction manual, sample cuvettes and caps (6), calibration cuvettes (HI 847492-11) (4), 25 mL glass vials with caps (4), cuvette cleaning cloth, batteries, AC adapter, instrument quality certificate, instructions and rugged carrying case.	755.00



## BrewLab™ and BrewLab Plus™ (LaMotte)

### Test kit for craft beer

Experts agree water conditions affect your final product, so take the mystery out of making great beer. This test kit quantifies six important water test factors. BrewLab Plus includes is a digital pH meter for monitoring batches from start to finish.

### Specifications

Test Factor	Range	Number of Tests
<b>Hardness (Total and Calcium)</b> Calcium: Helps prevent enzymes from denaturing and extends their activity in the mash, promoting clarity, flavor and stability in the finished beer. Magnesium: In small amounts Mg is an important yeast nutrient. The better the "yeast ferment", the cleaner the alcohol produced.	0-200 ppm† as CaCO <sub>3</sub>	50 at 200 ppm
<b>Alkalinity</b> Directly affects your water and your beer's pH level. Water with low alkalinity is subject to dramatic pH changes. Know the alkalinity of the water before you brew to determine if you need to adjust your pH prior to brewing. Alkalinity coupled with calcium and magnesium hardness can help you estimate the end pH of your beer.	0-200 ppm† as CaCO <sub>3</sub>	50 at 200 ppm
<b>Sulfate</b> Controls the bitterness level of your finished beer by adjusting sulfates.	0-200 ppm sulfate 50	50
<b>Chloride</b> Accentuates hop character, helps dry the beer finish. Tastes minerally with high concentrations of sodium, chloride, and bicarbonate.	1 drop = 10 or 25 ppm	About 80
<b>pH</b> Measure the pH before and during the brewing process since it affects the test of your brew. Although testing the pH of the water before you brew is important to establish your starting point, it is even more essential to test during the process to ensure you optimize your ingredients. pH test strips and papers work fine for pre-tests, but a digital pH meter is recommended for testing during brewing.	0.0-14.0 pH	unlimited

† and higher

Item No.	Mfr. Item No	Description
3009-10	7189	BrewLab Basic
3009-11	7188	BrewLab Plus includes digital pH meter

Item No.	Your Cost
3009-10	117.27
3009-11	199.00

### ACCESSORIES: FOR BEER TESTING



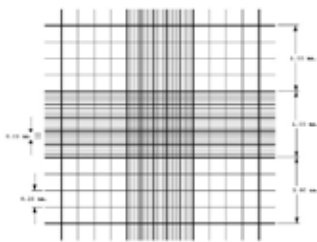
pH Testing see pages 119-134.  
Hydrometer Cylinder see page 231.  
Water Testing see pages 235-248.

## Hemocytometer for Cell Counting

### ASBC Method for microscopic yeast cell counting

An H-shaped moat form two counting areas, or plateaus. A "V" slash reduces the possibility of overflow.

Cell Depth: 0.100mm +/- 2% (1/10mm)  
 Volume: 0.1 Microliter  
 Ruling Pattern: Improved Neubauer,  
 1/400 Square mm  
 Rulings cover 9 square millimeters.



Boundary lines of the Neubauer ruling are the center lines of the groups of three. The central square millimeter is ruled into 25 groups of 16 small squares, each group separated by triple lines, the middle one of which is the boundary. The ruled surface is 0.10mm below the cover glass, so that the volume over each of the 16 small squares is .00025 cubic mm.

Item No.	Description	Qty	Your Cost
3048-12	Hemocytometer	each	115.00
3048-13	Cover slips for hemocytometer	10/pack	30.69



## ALCOHOL - Hydrometer

### Dual Scale - Proof and Tralle

- Proof Scale measures the... Percent Alcohol by Volume Multiplied by 2
- Tralle Scale measures the... Percent of Alcohol by Weight in Water
- Internal Revenue Specification Proof Scales
- Suitable for Certification... Upon request (additional charge)

Item No.	Description	Tralle Scale	Div.	Proof Range	Div.	Thermometer
3048-05	Combined Form 330mm	0 to 100%	1%	0 - 200%	2%	- 10 / 100°F- Spirit Filled
3048-06	Plain Form 300mm	0 to 100%	1%	0 - 200%	2%	

Item No.	Description	Your Cost
3048-05	Alcohol Thermo-Hydrometer	19.46
3048-06	Alcohol Hydrometer	11.13

## BALLING - Hydrometer

Standardized at 17.5°C (63.5°F)

- Balling Hydrometers Measure Sugar Content of Beer and Wort
- Combined Form with Thermometers and Temperature Correction Scales in the Body
- To 50°C, spirit fill
- Tolerance is 0.1%
- Standard Temperature 17.5°C (63.5°F)
- Suitable for Certification – Available upon request (additional charge)

Item No.	Range	Div.	Length	Your Cost
3048-07	0 to 8.5°	.1°	12"	19.57
3048-08	7.5 to 16°	.1°	11"	19.57
3048-09	15.4 to 24°	.1°	18"	19.57



## Aroxa™ "Uno Kit" Beer Flavor Standards (Cara Technologies)



Now is stocked and ships from the United States

Use this set of certified beer flavor standards to deliver up to two hours of taster training for ten people, or as a personal flavor training kit. The kit includes four positive beer flavors, four off-flavors and two taints. The AROXA Uno Beer Flavor Standards kit comes complete with a presentation box and informative flavor cards for each standard. AROXA certified beer flavor standards are: food grade, free from sensory impurities, extensively tested and safe to smell and taste.

Flavor Standards Included:

- 2,3 butanedione: "Diacetyl, like butter, or butter popcorn"
- Dimethyl sulfide: "DMS, like sweetcorn or tomato sauce"
- Ferrous sulfate: "Metallic, like ink or blood"
- Hop oil extract: "Like hoppy ale"
- Hydrogen sulfide: "H<sub>2</sub>S, like boiled or rotten egg"
- Isoamyl acetate: "Like bananas or pear drops"
- 3-methyl-2-butene-1-thiol: "Like a skunk or freshly-brewed coffee"
- Trans-2-nonenal: "Papery, like cardboard or oxidized beer"
- 2,4,6-trichloroanisole: "Musty, like corked wine or a damp cellar"
- 4-vinyl guaiacol: "Phenolic, like cloves or wheat beer"

Item No.	Qty Break	Your Cost
3049-25	1-9	133.99
	10+	127.29

## Isooctane HPLC TLC Grade

For use with the spectrophotometric method for measuring bitterness in beer.

Item No.	Size	Your Cost
3047-02	4 liter	159.69

## Isooctane ACS Grade

For use with the spectrophotometric method for measuring bitterness in beer.

Item No.	Size	Your Cost
3047-01	19 Liter Steel Can	319.09

## Methylene Blue 1% Stain

Widely used for many general staining procedures.

Item No.	Size	Your Cost
3047-03	500 mL	24.47

FIND IT AT WEBERSCIENTIFIC.COM

- Haze Meter for Beer from Hanna Instruments
- Densito Meter from Mettler Toledo

### ACCESSORIES: FOR BEER TESTING



Fluted Filter Paper for de-gassing see page 84.  
 Beer Specific Media see pages 48-53.  
 Additional Beer Hydrometers see page 231.



## Acidity and pH Titrator for Fruit Juice (Hanna Instruments)

The HI 84532 digital automatic mini titrator and pH meter is designed for measuring the concentration of titratable hydrogen ions contained in fruit juice samples by neutralization with a strong base solution to a fixed pH as according to the official methods of analysis of AOAC International. This new generation of mini automatic titrator improves upon the titrant delivery system and measuring ranges for increased accuracy compared to previous models.

- **Piston Driven Pump with Dynamic Dosing.** This piston driven dosing pump incorporates dynamic dosing to provide highly accurate, repeatable results.
- **CAL CHECK™** alerts users to potential problems during calibration such as contaminated buffers or dirty/broken electrodes.
- **pH/mV Meter.** In addition to automatic titration, the HI 84532 can also be used as a pH/mV meter.
- **Log-on-Demand.** Log data up to 400 samples (200 for titration; 200 for pH/mV).
- **Graphic Mode/Exportable Data.** Displays in-depth data on titration, which can then be stored and exported to either a USB drive or PC using the USB connection.
- **Automatic Stirrer Speed Control.** Maintains stirrer speed at approximately 600 rpm regardless of viscosity of solution.
- **GLP Feature.** The HI 84532 includes a GLP Feature that allows users to view calibration data for the pH electrode and dosing pump.
- **Easy to use interface.** User intuitive design with large keys and easy to navigate screens.
- **pH Electrode.** The HI 84532 is supplied with the HI 1131B electrode. This versatile electrode can measure all types of fruit juice.

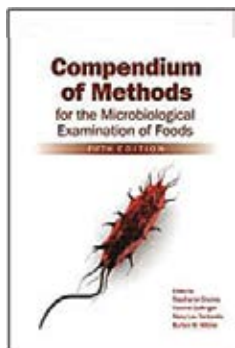
### SPECIFICATIONS

Range	Titrator	g/100 mL as citric acid : 0.20 - 8.00% CAg/100 mL as tartaric acid : 0.23 - 9.30% TAg/100 mL as malic acid : 0.21 - 8.30% MA
Resolution	Titrator	0.01%
Accuracy	Titrator	5% of reading ± 0.05
Titration method	Titrator	Acid-base titration
Principle	Titrator	End point titration : 8.20 pH
Pump debit	Titrator	0.5 mL/min
Stirring speed	Titrator	600 rpm
Log data	Titrator	Up to 50 samples
Range	pH	-2.0 to 16.0 pH / -2.00 to 16.00 pH
Resolution	pH	0.1 pH / 0.01 pH
Accuracy	pH	± 0.01 Ph
Calibration	pH	1, 2 or 3 calibration points; 3 available buffers (4.01; 7.01; 8.20)
Temperature compensation	pH	manual or automatic from -20 to 120 °C (-4 to 248 °F)
Log data	pH	Up to 50 samples
Range	Temperature	-20.0 to 120.0 °C (-4.0 to 248.0 °F)
Resolution	Temperature	0.1 °C
Accuracy	Temperature	±0.4 °C without probe error
Electrode		Hanna HI 1131B (included)
Temperature Probe		Hanna HI 7662-M (included)
Environment		0 to 50 °C (32 to 122 °F); max 95% RH non-condensing
Power supply		12 Vdc power adapter
Dimensions		208 x 214 x 163 mm (8.2x8.4x6.4") (with beaker)
Weight		2200 g (77 oz.)
Warranty		Two years

Item No.	Mfr Model No.	Description	Your Cost
<b>3009-71</b>	HI84532	Titrator and pH meter, includes HI 84532 minititrator is supplied complete with: <ul style="list-style-type: none"> <li>• HI 1131b pH electrode</li> <li>• HI 7662-T Temperature probe</li> <li>• HI 7082 electrode fill solution (30 mL)</li> <li>• HI 740036P Two 100 mL beakers</li> <li>• HI 740037P One 20 mL beaker</li> <li>• HI 70500 Tube set (aspiration tube with titrant bottle cap and dispensing tube with tip)</li> <li>• Dosing Pump Valve</li> <li>• HI 7402365 mL Syringe</li> <li>• 1 mL plastic pipette</li> <li>• HI 731319 stir bar</li> <li>• HI 920013 power adapter</li> <li>• Instruction manual and quality certificate</li> </ul>	<b>825.00</b>

Item No.	Mfr Model No.	Description	Your Cost
<b>3009-73</b>	HI84532-50	Titration Solution (100 mL) low range	<b>27.00</b>
<b>3009-75</b>	HI84532-51	Titration Solution (100 mL) high range	<b>26.00</b>
<b>3009-77</b>	HI84532-55	Pump Calibration Solution (100 mL)	<b>27.00</b>
<b>3009-78</b>	HI7004M	pH 4.01 buffer solution (230 mL)	<b>12.00</b>
<b>3009-80</b>	HI7007M	pH 7.01 buffer solution (230 mL)	<b>12.00</b>
<b>3009-82</b>	HI70082M	pH 8.20 buffer solution (230 mL)	<b>15.00</b>
<b>3009-84</b>	HI1131B	Replacement pH electrode	<b>130.00</b>

## Compendium of Methods for the Microbiological Examination of Foods, Fifth Edition



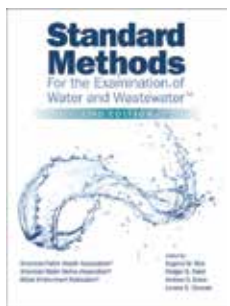
The fifth edition of the Compendium of Methods for the Microbiological Examination of Foods has now been fully updated. All chapters have been revised and new chapters have been added. This Compendium is the primary authority for food safety testing and presents a comprehensive selection of proven testing methods with an emphasis on accuracy, relevance, and reliability. The Compendium is a must-have for all food laboratories, food manufacturers, public health laboratories, and anyone performing food safety testing.

More than 200 experts have reviewed and updated the 68 chapters in this new edition. New chapters include the following: Pet Food and Animal Feed, Beer and Wine, Probiotics,

Cronobacter Species, and other chapters. Content covers general laboratory procedures, including laboratory quality assurance, meats and meat products, environmental monitoring procedures, sampling plans, sample collection, shipment, and preparation for analysis; microorganisms involved in processing and spoilage of foods; foods and the microorganisms involved in their safety and quality; indicator microorganisms and pathogens, microorganisms, food safety, and foodborne illness; preparation of microbiological materials (media, reagents, and stains); and other material.

Item No.	Your Cost
3069-30	285.00

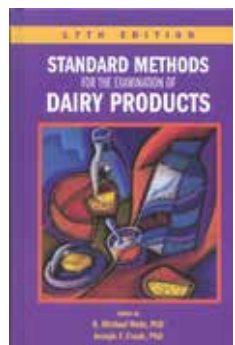
## Standard Methods for the Examination of Water and Wastewater (APHA)



Current (2012) 22nd edition contains the most comprehensive collection of water and wastewater analysis methods available. Contents: Physical Examination; Determination of Metals and Other Inorganic Nonmetallic Constituents; Determination of Organic Constituents; Examination of Water and Wastewater Radioactivity; Toxicity Test Methods for Aquatic Organisms; Microbiological Examination of Water; Biological Examination of Water. Hardcover.

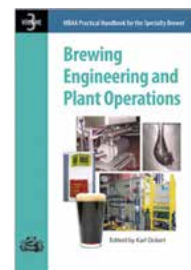
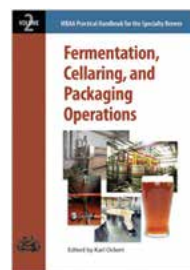
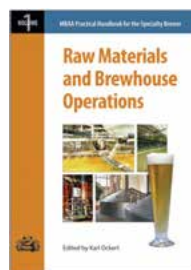
Item No.	Your Cost
3069-70	307.43

## Standard Methods for the Examination of Dairy Products (APHA)



Edited by Michael Wehr and Joseph Frank. The 17th edition of this landmark book is designed for regulatory, industry, and commercial laboratories that need to assess the safety and quality of dairy products. It is also a compendium of microbiological, chemical, and physical methods for analyzing milk and dairy products. The focus is on test methods and procedures that may be applied routinely for the laboratory evaluation of products and complex nonroutine methods, such as those for foodborne pathogens and vitamin content analysis. Hardcover.

Item No.	Your Cost
3069-51	115.00



## Practical Handbooks for the Specialty Brewer (MBAA)

Three volume series, complete. Edited by Karl Ockert.

### Inside Volume 1: Raw Materials and Brewhouse Operations

Find fast answers to technical questions on the raw materials, brewhouse processes, and options used for producing Specialty Beers. Get a review of fundamentals and learn about the practical and theoretical considerations in the areas of:

- Water, the base ingredient of all styles
- Barley and malting fundamentals
- Specialty malts, their processing and use in specialty beer styles
- Hops, hop varieties and their use in brewing different styles
- Adjunct use in the brewhouse
- Brewhouse equipment, operations and methods for brewing traditional ales and lager beers

### Inside Volume 2: Fermentation, Cellaring, and Packaging Operations

Get fast answers to technical questions on cellar and tank design, fermentation biochemistry and microbiology and their relationship to the cellar processes in producing specialty ales and lager beers. A review of fundamentals and practical and theoretical considerations in the areas of:

- Traditional and modern processes for the fermentation of ales and lagers
- Cellar, tank, and equipment design considerations
- Clarification, filtration, and carbonation of finished beers
- Racking beer in kegs and casks
- Bottle filling operations, materials, and equipment
- Laboratory methods, equipment, and calculations

### Inside Volume 3: Brewing Engineering and Plant Operations

Get fast answers to technical questions on a variety of brewery engineering subjects in the production of specialty ales and lager beers. A review of fundamentals and practical and theoretical considerations in the areas of:

- Power plant engineering, including hands-on discussion of pumps, valves, steam boilers, and compressors
- Environmental engineering, concentrating on wastewater issues
- Cleaning and sanitation of brewery tanks, equipment, and the plant
- Draft dispense system design, cleaning, and maintenance
- Safety considerations in the brewery

Item No.	Description	Your Cost
3048-00	Complete three volume series	119.00
3048-01	Volume 1: Raw Materials and Brewhouse Operations	49.95
3048-02	Volume 2: Fermentation, Cellaring, and Packaging Operations	49.95
3048-03	Volume 3: Brewing Engineering and Plant Operations	49.95

## Ammonium Hydroxide, For Fat Testing

Conforms to APHA *Standard Methods for the Examination of Dairy Products*. 0.90 specific gravity.

Item No.	Qty	Qty Break	Your Cost
4105-00	gallon	each	30.02
		Multi. of 4	22.50

## Alcohol, Denatured (Ethyl Alcohol)

Specially denatured formula #3-A. In compliance with APHA *Standard Methods for the Examination of Dairy Products* for fat testing, and suitable for many other laboratory procedures.

Item No.	Qty	Qty Break	Your Cost
4109-00	gallon	1-3	40.40
		Multi. of 4	32.20

## Alcohol, Iso Amyl, For Gerber Test

Conforms to APHA *Standard Methods for the Examination of Dairy Products*. Clean, clear, colorless or almost colorless. CP primary isobutyl carbinol; free from water, acid, fat and furfural. Specific gravity is 0.814 - 0.816 at 15.5° C., more than 95% distills at an atmospheric pressure of 760 mm Hg within a 2° C. range between 128 and 132° C.

Item No.	Qty	Qty Break	Your Cost
1086-00	gallon	1-3	121.77
		Multi. of 4	106.13
1087-00	quart		44.24

## Alcohol, Iso-Propyl (2 Propanol)

For numerous laboratory procedures.

Item No.	Qty	Qty Break	Your Cost
4113-00	gallon	1-3	29.95
		Multi. of 4	22.85
4113-06	55 gal.		625.00

## Alcohol, Iso-Propyl, 70% (2-Propanol)

70% solution (v/v). Widely used for effective disinfecting.

Item No.	Qty	Your Cost
4113-20	gallon	26.56
4113-25	20 liter	93.50
4113-26	55 gallon	625.00

## Alcohol, Methyl

Item No.	Qty	Your Cost
4061-00	quart	4.95
4061-01	gallon	10.79

## Alcohol, N-Butyl, Neutralized

Item No.	Qty	Your Cost
4060-00	quart	11.28
4060-01	gallon	29.23

## Benzalkonium Chloride, Solution, 50% NF

Same as Roccal® II.

Item No.	Qty	Your Cost
3003-42	500 ml.	131.23

## Buffer Control Tablets

Same as Buf-Fax tablets.

Item No.	Qty	Your Cost
4057-00	bottle of 50	14.96

## Buffer, 7.2pH Stock Dilution

Item No.	Qty	Your Cost
3024-01	1/2 pint	14.06
3024-05	pint	22.54
3024-09	quart	36.84

## Buffer Substrate Tablets

Same as Phos-Phax tablets.

Item No.	Qty	Your Cost
4058-00	bottle of 50	25.49

## Buffered Phosphate Dilution Water

Item No.	Qty	Your Cost
3024-25	5 gallon cubepack	41.15

## CQC Reagent (Phenol Indicator) Tablets

Same as Indo-Phax tablets.

Item No.	Qty	Your Cost
4059-00	bottle of 50	33.38

## Deionized Water

Item No.	Qty	Qty Break	Your Cost
4118-10	4 liter	1-3	12.30
	bottle	4+	10.25
4118-15	20 liter	1	32.10
	jerrycan	2+	29.35

## NEW! Dextrose, Anhydrous, ACS

Meets reagent specifications for testing USP/NF monographs.

Item No.	Qty	Your Cost
3097-04	500 gram	25.44

## Ether, Ethyl

Conforms to APHA *Standard Methods for the Examination of Dairy Products* for fat testing by the ether extraction procedure. ACS grade and peroxide free.

Item No.	Qty	Qty Break	Your Cost
4101-00	quart	1-5	29.84
		Multi. of 6	24.88

## Ether, Petroleum

Conforms to APHA *Standard Methods for the Examination of Dairy Products* for fat testing by the ether extraction procedure. ACS grade with a boiling range 30 to 60° C.

Item No.	Qty	Qty Break	Your Cost
4103-00	quart	1-5	28.27
		Multi. of 6	23.57



## L-W Stain. Levowitz-Weber Modification of Newman-Lambert Stain #2

Item No.	Qty	Formulation	Your Cost
2001-00	quart	L-W xylene	45.48
2001-05	quart	L-W tetrachloroethane	71.00
2001-20	quart	Canadian/xylene	51.80
2001-25	quart	Canadian/tetrachloroethane	80.67
2002-00	pint	L-W xylene	30.24
2002-05	pint	L-W tetrachloroethane	41.41
2002-20	pint	Canadian/xylene	31.45
2002-25	pint	Canadian/tetrachloroethane	47.56

## Glymol or Red Reader

For use in reading Babcock cream test. Bright red color, specific gravity less than 0.85 at 20° C.

Item No.	Qty	Your Cost
3003-00	quart	6.27

## Isooctane ACS Grade

For use with the spectrophotometric method for measuring bitterness in beer.

Item No.	Size	Your Cost
3047-01	19 Liter Steel Can	319.09

## Isooctane HPLC TLC Grade

For use with the spectrophotometric method for measuring bitterness in beer.

Item No.	Size	Your Cost
3047-02	4 liter	159.69

## Magnesium Chloride

ACS, crystals.

Item No.	List Price	% Off List	Your Cost
4129-00	90.75	45	49.91
	500 gram		

## Methylene Blue 1% Stain

Widely used for many general staining procedures.

Item No.	Size	Your Cost
3047-03	500 mL	24.47

## Ortho-Tolidine Reagent

For APHA determination of residual, free or combined chlorine.

Item No.	Qty	Your Cost
4129-40	liter	35.50



# Chemicals for Food, Beverage and Water Testing

## Phenolphthalein, 1% Indicator

Item No.	Qty	Your Cost
3008-00	pint	6.00
3008-02	2 oz. dropper bottle	3.80

## Potassium Hydroxide Solution, 0.02N in Methanol

For Acid Degree Value.

Item No.	Qty	Your Cost
4129-60	liter	45.43

## Propylene Glycol Laboratory grade.

Item No.	Qty	Qty Break	Your Cost
1090-00	gallon	1-3	60.00
		4+	45.00

## Silver Nitrate 0.1N

Item No.	Qty	Your Cost
4129-06	12-1L bottles	354.45
4129-08	4-4L bottles	419.20
4129-10	20L cube	344.67

## Sodium Bicarbonate, ACS

500 grams / 1.1 lbs. Powder.

Item No.	List Price	% Off List	Your Cost
3006-80	25.70	25	19.28

## Sodium Chloride Crystals ACS

Item No.	Qty	Your Cost
4129-15	500 grams	14.79
4129-17	12 KG	131.51
4192-16	2.5 KG	43.86

## Sodium Citrate, ACS

Item No.	Qty	Your Cost
4130-10	500 gram	46.83
4130-15	2.5 kg.	150.25

## Sodium Hydroxide, 0.3125N

0.3125 Normal NaOH solution.

Item No.	Qty	Your Cost
3006-50	4 liter	55.27

## Sodium Hydroxide, 1N

1.0 Normal NaOH solution.

Item No.	Qty	Your Cost
3006-27	120 mL	12.46
3006-28	500 mL	15.35
3006-29	12 x 500 mL	89.28
3006-30	liter	15.28
3006-31	12 x 1 liter	113.17
3006-32	4 liters	48.32
3006-33	4 x 4 liters	80.25
3006-36	20 liters	54.97

## Sodium Hydroxide, 0.100N

0.100 Normal NaOH. Mol. Wt. 40.01. For acidity titratable.

Item No.	Qty	Qty Break	Your Cost
3006-00	4 liter	1-3	24.67
		4+	21.95
3006-02	4 liter cubepack		48.81

## Sodium Hypochlorite

Item No.	Qty	Your Cost
3006-40	4 liter	60.87

## Sodium Thiosulfate, 0.100N

For water testing.

Item No.	List Price	% Off List	Your Cost
4129-20	81.92	20	65.54

10 liter

## Sulfuric Acid, Babcock Test, Milk

Conforms to APHA, *Standard Methods for the Examination of Dairy Products*. According to the article "An Evaluation of the Precision of Reference Test Methods Used in the Analysis of Milkfat in Laboratory Control Samples", published in the August 1986 *Dairy and Food Sanitation Magazine*, the following modification was specified "...adjusting of the specific gravity of the sulfuric acid to 1.825...". Our product is guaranteed to be clean, colorless and standardized at specific gravity 1.825.

Item No.	Qty	Qty Break	Your Cost
3004-00	gallon	1-3	33.35
		4+	28.35

## Sulfuric Acid, 0.1N

Volumetric solution.

Item No.	Qty	Your Cost
4125-01	4 Liter	30.40

## Sulfuric Acid, Babcock Test, Cheese

Specially certified specific gravity of 1.835 - 1.840 as required for use with cheese.

Item No.	Qty	Your Cost
3004-35	gallon	33.35

## Sulfuric Acid, Babcock Test, Pennsylvania Modification

Specific gravity certified to be 1.720 - 1.740.

Item No.	Qty	Your Cost
3004-30	gallon	49.73

## Sulfuric Acid, Gerber Test, Diluted

For use when testing frozen desserts or chocolate milk. Clean, colorless or almost colorless and free from fat.

Item No.	Qty	Your Cost
1083-00	gallon	37.18

## Sulfuric Acid, Gerber Test, Milk

Conforms to APHA, *Standard Methods for the Examination of Dairy Products*. Certified to be specific gravity 1.820-1.825 at 60°F. Clean, colorless or almost colorless and free from fat. Using the correct strength sulfuric acid is essential to perform proper Gerber tests. "Standard" commercial (technical grade) "66° Baume" acid is not appropriate.

Item No.	Qty	Your Cost
1082-00	gallon	33.85

## Sulfuric Acid, Gerber Test, Van Gulik Method

For use when testing cheese according to the Van Gulik method, ISO 3433. Certified to be specific gravity 1.522 ± 0.0005 g/mL at 20°C.

Item No.	Size	Your Cost
1082-50	gallon	58.34



Products so identified must ship as hazardous materials (HAZMAT). We welcome

you to contact our Customer Service department for additional details about HAZMAT shipping requirements and surcharge fees. In general, HAZMAT fees apply whenever shipped by either UPS or FedEx, currently \$30.00 per shipping carton for ground shipment. Air shipments require a \$42.50 fee. To avoid most HAZMAT fees, if your order contains hazardous materials that require four or more shipping cartons, we will route via common carrier, which may not have any, or have greatly reduced, HAZMAT fees. Additionally, some products identified as HAZMAT may qualify for "Limited Quantity" regulations, eliminating the need for HAZMAT fees. HAZMAT orders are exempted from our 1-2-3 Day Delivery Program.

## Sulfuric Acid Standardettes (CSL)

For standardizing 0.02N base.

Item No.	Qty	Your Cost
4125-20	pack/12	53.75

## Tartaric Acid

To adjust pH of Potato Dextrose Agar.

Item No.	Qty	Your Cost
3081-07	1 lb.	36.39

## Tartaric Acid, 10% (W/V) Aqueous Solution

Use as an acidifying agent with potato dextrose (glucose) agar.

Item No.	Qty	Your Cost
3081-13	500 mL	31.80
3081-15	liter	51.89

## Triton X-100, Octyl Phenol Ethoxylate (EMD)

Versatile nonionic surfactant recognized for wetting and emulsification performance.

Item No.	Qty	Your Cost
EM-9440	4 liter	148.83

## Xylene

For many laboratory cleaning procedures.

Item No.	Qty	Your Cost
4117-00	pint	26.23

### ACCESSORIES: FOR CHEMICALS



Safety Supplies see pages 138-146.  
Wash Bottles see pages 100-101.



## New SNAP Beta Lactam Test Kit (IDEXX)

Contains SNAP device, sample tube with cap and reagent pellet, and pipet.

Item No.	Description	Qty Break	Your Cost
3900-00	pack/20 tests	1-4	<b>66.00</b>
		5+	<b>60.00</b>
3900-40	pack/100 tests	1-2	<b>294.00</b>
		3+	<b>278.00</b>

## SNAP® Sulfamethazine Test (IDEXX)

It takes only one cow treated with sulfamethazine to contaminate the pooled milk of up to 70,000 other animals. Uses reliable SNAP technology to detect sulfamethazine residues in raw, commingled bovine milk at or below the FDA safe/tolerance level at or below 10 ppb.

Item No.	Qty	Qty Break	Your Cost
3905-70	pack/20 tests	1-2	<b>101.00</b>
		3-4	<b>94.00</b>
		5+	<b>89.00</b>

## Snapshot® DSR Image Reader and Printer (IDEXX)

### SNAPconnect™ simplifies data transfers to PC

Touch-Screen Technology makes data entry fast and easy. Self-direct menu guides you through the process step-by-step and test results appear within minutes. Smaller size frees up your bench space. One year warranty. Optional printout for clear, concise results that meet regulatory requirements.

The printout displays:

- name of test kit
- results ratio
- positive/negative result
- date and time
- technician and sample IDs – *now can use names for ID*
- lot number – *now can use letters for lots (with keyboard or PC attached)*



Item No.	Description	Your Cost
3904-20	Snapshot Reader, 115 V	<b>2100.00</b>
3904-28	Printer, includes paper and power supply	<b>300.00</b>
3904-10	Reader Accessory Pack, 4 rolls of paper and 2 printer cartridges	<b>21.95</b>
3904-11	Replacement Printer Cartridge	<b>8.15</b>
3904-30	Microprocessor Bundle	<b>2260.00</b>

## New SNAP® Tetracycline Test Kit (IDEXX)

New SNAP Tetracycline Test Kit: We've changed the test procedure to match our New SNAP Beta-Lactam test kit—now you can run them side by side with a 5 minute incubation and a 4 minute color development. In addition, this new test kit is less sensitive and will detect the following drugs in raw commingled cow milk at or below these levels: tetracycline 50 ppb, chlor-tetracycline 100 ppb and oxytetracycline 50 ppb. (Mfr. Item # 99-11470) 20 tests per pack.

Item No.	Qty	Qty Break	Your Cost
3905-00	pack/20 tests	1-2	<b>101.00</b>
		3-4	<b>97.26</b>
		5+	<b>93.42</b>

## Portable Heater Block (IDEXX)

Two plugs included: a 115-volt wall plug and a 12-volt vehicle auxiliary power plug. Two-position design allows you to heat two SNAP tests at the same time. Temperature strips help monitor temperature visually, and there is also a cavity for a thermometer (available separately). Maintains temperature between 40-50°C.

One year warranty.



Item No.	Your Cost
3903-05	<b>269.99</b>

## Penicillin Positive Control (IDEXX 980651300)

### Unit dose for convenience and less waste

Recommended for use as a daily control for the SNAP beta lactam test. Reconstituted milk-based positive control contains penicillin G at 5 PPB with an accuracy of ±10% (as required by FDA memorandum M-a-86). Before reconstitution, store refrigerated or at room temperature. After reconstitution, store refrigerated or at room temperature and use within 24 hours.

Item No.	Qty	Your Cost
3110-01	Pack of 50 individual positive control vials, sufficient to run 100 samples. Complete with 50 disposable pipets.	<b>99.00</b>

## Penase (Penicillinase)

Available: pack of 10 X 20 ml.

Item No.	Qty	List Price	% Off List	Your Cost
3110-28	1,000,000/2,000 L.U.	217.89	10	<b>196.10</b>
3110-30	10,000,000/20,000 L.U. (concentrate)	261.49	10	<b>235.34</b>

## Fine Point Forceps

Stainless steel. Dissecting style.

Item No.	Your Cost
3110-65	<b>15.66</b>

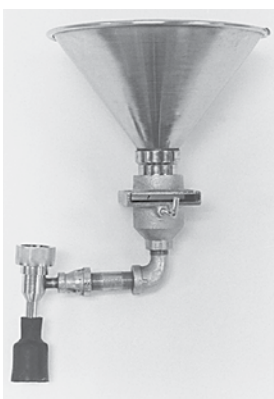
### ACCESSORIES: FOR SNAP TEST



450 µl Micro-Pipettor see page 108.  
 Thermometers for SNAP Test see page 230.  
 Timers for SNAP Test see pages 232-234.

## Sediment Tester

This high-speed sediment tester may be used on 16 oz., 4 oz., 2 oz. or 1 oz. samples as well as reconstituted milk powders by using the interchangeable bushings. **The bushings are not included and must be purchased separately.** Complete with water vacuum operated aspirator pump which can be attached to an ordinary water faucet. This unit is equally suitable for laboratory or on-the-farm tests. Especially handy for use in programs where laboratory and fieldwork are coordinated.



Item No.	Your Cost
3070-50	498.43

## Bushings for Sediment Tester

Bushings come as a pair, except for powders, which is a single screen.

Item No.	Description	Sample size, oz/mL	Ø Filter Area in/mm	Your Cost
3070-52	16 oz	16 / 473	.40 / 10	33.65
3070-54	4 oz	4 / 118	.20 / 5	33.65
3070-56	2 oz	2 / 59	.14 / 3.6	33.65
3070-58	1 oz	1 / 30	.10 / 2.5	33.65
3070-60	Powders			23.20



## Schwartz Air Vent Vertical Filter and Cage & Cap Assembly

- Isotropic filter and filter cage & cap assembly allows venting of tanker truck while unloading
- Designed to keep out debris, but allow air in for proper unloading
- Air vent vertical filter media fits Schwartz cage & cap assembly
- 8-1/2" x 5-1/2" non-woven filter averages 40 Micron - roughly 325 mesh
- 100 filters per box

Item No.	Mfr Item No.	Description	Qty	Your Price
6000-25	47290629	Air vent vertical filter	Box/100	22.92
6000-26	47340064	Schwartz cage & cap assembly	each	38.99

## Sediment Tester Cards

Filter is bonded to card to give you the test and record in one easy step. Accommodates up to 1 1/4" openings.

Item No.	Qty	Your Cost
3071-20	pack/500	62.73



## Sediment Tester Discs

Economical! 1 1/4" diameter. Suitable for all milks or creams. Updated rayon disc material.

Item No.	Qty	Qty Break	Your Cost
3071-10	pack/1000	1	20.91
		2+	19.37

## Storage Bag for Sediment Discs

1.5" X 2" 1.5 mil polyethylene.

Item No.	Qty	Your Cost
3071-12	pack/1000	5.33

## Weber™ Emulsion Solution Concentrate

Compare to EQA™ Solution Concentrate\*

For use with the EQA™ Emulsion Quality Analyzer\* for the determination of homogenization efficiency. Each bottle makes 1 liter.

\* This product is not manufactured or distributed by APV Americas, owners of the trademark EQA™



Item No.	Unit	List Price	Qty	% Off List	Your Cost
2011-70	Each	61.84	1-5	5	58.75
			Multiples of 6	30	43.29

FIND IT AT WEBERSCIENTIFIC.COM



- Prepared Mastitis Plates from DQCI
- Weber Pipeline Filter Screens

## Mojonnier Fat Extraction Flask

Same as standard G-3 flask. Without pouring lip. Requires #1 stopper (not included).

Weight: Approx. 78 grams / 2.75 oz.  
 Dimensions: 7" long x 3" wide / 178 x 76 mm  
 Capacity bottom chamber: 21-23 mL

**HARD TO FIND ITEM!**


Item No.	List Price	% Off List	Qty	Your Cost
3005-74	73.69	25	1	<b>55.27</b>
		33	2+	<b>49.37</b>

**FIND IT AT WEBERSCIENTIFIC.COM**

- *Mojonnier Fat Extraction Flask (Gerber)*
- *LactiCheck Milk Analyzer*



*More than 100 years of international data have established the Gerber Fat Test as a world-wide leader. It is a simple, fast, convenient and truly "quantitative" volumetric method to determine the percentage of fat in milk, cream and frozen desserts.*

We will be glad to suggest the GERBER TEST supplies you might need for the most efficient yet economical installation possible. Simply list the number and types of samples in your daily work load, and the equipment already in your laboratory.

## Gerber Centrifuge (Garver Deluxe G)

- 12 bottle capacity
- Cast aluminum with satin finish
- Heater with switch, pilot light, thermometer and thermostat
- Visiscope™ speed indicator (must have overhead fluorescent lighting)
- Fits all sizes of Gerber test bottles
- Speed is fixed at 350 ± 50 g
- 23" bowl diameter, 14 1/2" base, 15 1/2" overall height
- 115 V. 60 cycle
- 90 day warranty



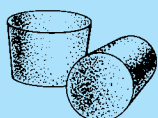
Item No.	List Price	% Off List	Your Cost
1035-50	5239.57	20	<b>4191.66</b>

## Gerber Micro II™ Centrifuge (Gerber Instruments)

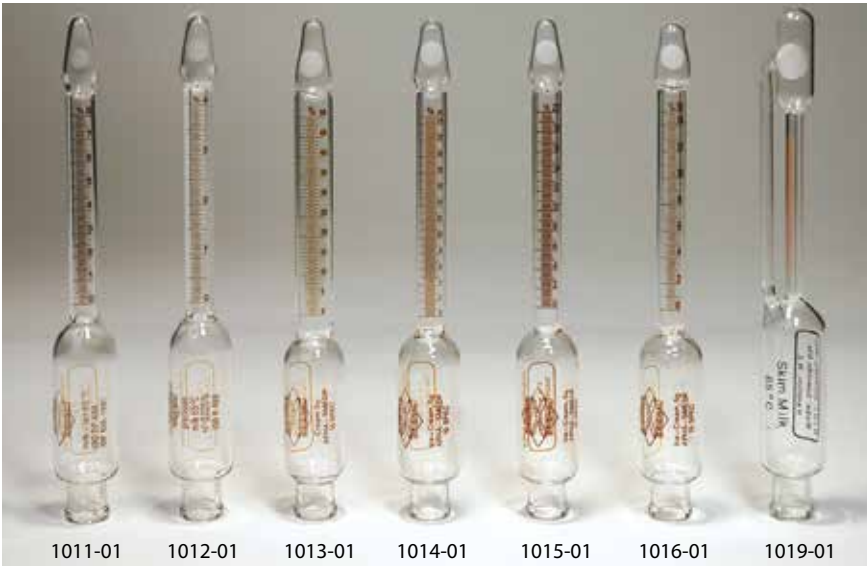
- 12 bottle capacity
- Microprocessor controlled with digital display of time and temperature
- Temperature controlled for 145° F (63° C) Timer regulated operation
- Fully automatic brake
- Speed is fixed for the Gerber test at 350 ± 50 g
- Compact steel case with cover lock that keeps the lid closed until rotor stops spinning.
- Dimensions: 17"W x 18"D x 11"H (432 x 460 x 280 mm)
- 115 V. 60 Hz. 700 W



Item No.	Your Cost
1005-35	<b>2689.43</b>

**ACCESSORIES: FOR MOJONNIER FLASK**


#1 Stoppers visit website.  
 Aluminum Weigh Dishes see page 33.  
 Chemicals for fat testing see pages 70-71.  
 Personal protection see pages 138-146.



## Cheese Test Bottle

Size %:	40
Subdivision %:	0.5
Sample Size:	3 gram

To test fat in hard cheese according to the Van Gulik method, ISO 3433. Complete with a large stopper attached to a perforated glass weighing funnel, and a small stopper for the open terminal bulb.

Item No.	Qty Break	Your Cost
1021-01	1-9	43.48
	Multi of 10	38.64

## Hand-Held Key

Manufactured of nicked brass.



Item No.	Your Cost
1033-00	9.73

## GERBER TEST BOTTLES (BUTYROMETERS)

The absolute best quality available. Standardized dimension and capacity. Craftsmen made resistant borosilicate glass, fully annealed. Precision calibration with guaranteed permanent graduations. #1011 through #1016 are manufactured by Gerber in Switzerland in accordance with specifications in American Public Health Association *Standard Methods for the Examination of Dairy Products*.

### Milk Test Bottle

Size %	8
Subdivision %	0.10
Scale Precision	±0.05
Sample Size	11 ml

Item No.	Qty Break	Your Cost
1011-01	1-9	25.28
	Multiples of 10	22.75

### Semi-Skim (Low Fat) Milk Test Bottle

Size %	4
Subdivision %	0.05
Scale Precision	±0.025
Sample Size	11 ml

Item No.	Qty Break	Your Cost
1012-01	1-9	26.70
	Multiples of 10	24.03

### Heavy Cream Test Bottle

Size %	50
Subdivision %	0.5
Scale Precision	±0.25
Sample Size	5 gram

Item No.	Qty Break	Your Cost
1013-01	1-9	37.68
	Multiples of 10	33.91

### Ice Cream and Light Cream Test Bottle

Size %	25
Subdivision %	0.2
Scale Precision	±0.10
Sample Size	5 gram

Item No.	Qty Break	Your Cost
1014-01	1-9	37.18
	Multiples of 10	33.46

### Ice Cream and Light Cream Test Bottle

Size %	20
Subdivision %	0.2
Scale Precision	±0.10
Sample Size	5 gram

Item No.	Qty Break	Your Cost
1015-01	1-9	37.18
	Multiples of 10	33.46

### Ice Cream and Half & Half Test Bottle

Size %	15
Subdivision %	0.2
Scale Precision	±0.10
Sample Size	5 gram

Item No.	Qty Break	Your Cost
1016-01	1-9	37.18
	Multiples of 10	33.46

### Skim Milk "Side-Arm" Test Bottle

Size %	0.5
Subdivision %	0.01
Sample Size	11 ml

We designed this bottle to permit rapid, accurate testing of the fat content of skim milk in less than 10 minutes in a single easy step. The side-arm permits easy, rapid transfer of the acid from the small terminal bulb to the large bulb. Only a single centrifuging is needed and the fat content can be read directly in percentage. The one one-hundredth graduations offer enough sensitivity for even the most efficient separators. Supplied with special rubber stopper.

Item No.	Qty	Your Cost
1019-01	each	169.44

### Skim Milk "Double Quantity" Test Bottle

Size %	0.5
Subdivision %	0.02
Sample Size	21.46 - 22 mL

Bottle is calibrated for a double quantity of sample. Plain neck bottle requires solid rubber stopper (#1019-02, sold separately).

Item No.	Qty Break	Your Cost
1019-11	1-9	37.18
	Multi. of 10	33.46

## Replacement Solid Rubber Stopper

For use with the skim milk bottle. Double conical shape.



Item No.	Your Cost
1019-02	2.93

## Replacement Stopper Set

For use with cheese test bottle. Includes a large stopper attached to a perforated glass weighing funnel, and a small stopper for the open terminal bulb.



Item No.	Qty	Your Cost
1021-02	ea.	16.18

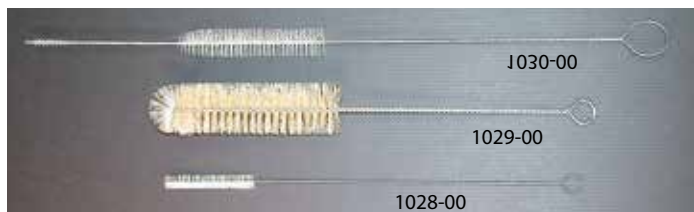
## Lock Stopper

Resistant rubber, brass bound and cored. Positioned into Gerber bottle by pressure from hand-held key on interior ball. **Positive sealing reduces possibility of acid spillage.** 21 mm long X 11/12 mm diameter.

Item No.	Qty Break	Your Cost
1032-01	1-11	4.44
	Multi. of 12	4.00



# Fat Testing - Gerber Test



### Stem Brush

This delicate brush is specially designed for cleaning the stem of the Gerber bottle. (Not for 4% bottles.)

Item No.	Your Cost
1028-00	3.02

### Bulb Brush

Specially designed for cleaning the large bulb of the Gerber bottle. Heavy duty! (Not for 4% bottles.)

Item No.	Your Cost
1029-00	3.45

### Tilt Measure, For Iso Amyl Alcohol

A low cost and safe device convenient for testing a small number of samples. For rapid and reproducible dispensing of 1 mL iso amyl alcohol. Calibrated to deliver. Consisting of a vented, fixed volume reservoir, rubber stopper and a 16 oz. flint glass pint jar.

In use the tilt measure is tipped backward, to fill reservoir in the head. Excess liquid is automatically returned to the attached jar through a vent in the top of the reservoir when unit is righted for dispensing.

Item No.	Your Cost
1051-00	77.31

### Replacement Stopper

For use with either 1056-00 – 10 mL tilt measure, or 1051-00 – 1 mL tilt measure.

Item No.	Your Cost
1056-01	1.75

FIND IT AT  
WEBERSCIENTIFIC.COM

• **Micromatic®**  
**Continuous**  
**Pipetting Assembly**

### Pipet Brush

Specially designed for 11 mL Gerber milk test pipet.

Item No.	List Price	% Off List	Your Cost
1030-00	5.02	25	3.77



### Pipe Cleaner

Useful for cleaning the stem of 4% Gerber bottles, pipets and other small bore openings. 12" long. Disposable. Pack of 100.

Item No.	Your Cost
1028-21	3.86

### Tilt Measure, For Sulfuric Acid

A low cost and safe device convenient for testing small numbers of samples. For rapid and reproducible dispensing of 10 mL sulfuric acid. Calibrated to deliver. Consisting of a vented, fixed volume reservoir, rubber stopper and a 16 oz. flint glass pint jar. In use the tilt measure is tipped backward, to fill reservoir in the head. Excess liquid is automatically returned to the attached jar through a vent in the top of the reservoir when unit is righted for dispensing.

Item No.	Your Cost
1056-00	84.36

### Syringe for the Measurement of Creams and Ice Creams

The use of a syringe is much easier to weigh out 5 grams of a viscous product. It offers greater safety; guarantees that the face is kept away from bottle opening to prevent acid splash. Heavy duty construction; equipped with leakproof plunger and two-piece head cap. Constructed for easy removal of entire plunger assembly for complete cleaning without glass barrel. Cannula available separately (# 3043-03).

Capacity gram	5
Fully Adjustable	0-5

Item No.	Your Cost
1046-00	14.87



### Pipet For Milk (Kimble 3010)

Complies with requirements in A.P.H.A. *Standard Methods for the Examination of Dairy Products*. Volumetric. Calibrated to deliver.

Capacity mL	11
Tolerance mL	± 0.05

Item No.	List Price	% Off List	Qty Break	Your Cost
1041-01	20.84	10	1-11	18.76
			20 Multi. of 12	16.67

### Pipet For Milk (Gerber)

Calibrated to deliver 10.77 mL milk as referenced in the research paper, "Determination of Fat in Raw Milk: Comparison of Mojonnier (Ether Extraction) and Gerber Method" as published in the Journal of the Association of Official Analytical Chemists.

Item No.	Qty Break	Your Cost
1041-51	1-11	14.05
	Multiples of 12	12.48

### Wide Tip Pipet (Kimble 37034B)

Use for weighing out ice cream mixes that contain seeds, viscous products, etc. Graduated.

Capacity mL	5
Subdivision mL	0.1
Approx. tip opening, mm	3

Item No.	Your Cost
1042-03	18.09

### Pipet For Water (Kimble 370 Series)

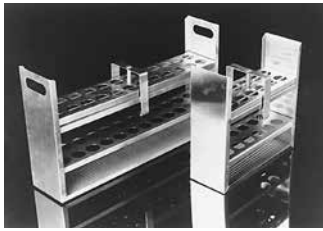
For use in performing the cream test. Calibrated to deliver.

Item No.	Capacity	Subdivision mL	Description	Your Cost
1042-01	5	--	volumetric	9.66
1042-02	5	0.1	graduated	12.23
1042-05	10	0.1	graduated	13.96

#### ACCESSORIES: FOR GERBER TEST



Dispensers for Gerber Reagents see pages 117-118.  
Additional Brushes see pages 195-197.  
Cannula for Syringe see page 43.



1071-00, 1073-00

## Gerber Racks and Locking Covers

Use of our exclusive racks and locking covers greatly facilitates running the Gerber test: bottles can be conveniently filled, shaken, inverted and washed as a unit. Stainless steel, with padded rubber protective liner.

Item No.	Description	Size	Qty	Your Cost
1071-00	Rack, 24 bottle	3 1/2"W X 16"LX 9"D (90X406X229 mm)	each	196.56
1072-00	Cover for 24 bottle rack		each	70.20
1073-00	Rack, 12 bottle	3 1/2"W X 9"LX 9"D (90X229X229 mm)	each	172.38
1074-00	Cover for 12 bottle rack		each	68.46

## Bottle Holder Adaptor

Glass cylinder suited for use with electronic flat pan type balances. Base design reduces chance of tipping over.



Item No.	Qty Break	Your Cost
2069-01	1-3	15.84
	multi of 4	10.14



1077-41

## Gerber Bottle Storage Rack (Bel-Art Scienceware)

Ideal for drying and storage. 24 tube capacity. Submersible and autoclavable polypropylene. Size: 9.7" wide X 4.1" long X 2.5" high.

Item No.	List Price	% Of List	Your Cost
1077-41	20.75	20	16.60

## Gerber Bottle Basket

For use in conjunction with electric water bath. Expanded aluminum sheet reinforced at top, bottom and seams. Lightweight, rigid and durable.

Size: 5" dia. X 6" high.

Item No.	Your Cost
1075-00	23.47

# Consistent Quality Is Why Our Gerber Test Reagents Are The Best Selling Worldwide



## Gerber Acid

Conforms to A.P.H.A. *Standard Methods for the Examination of Dairy Products*. Formulated specially for the Gerber Test: certified to be specific gravity 1.820 - 1.825 at 60° F. Clean, colorless or almost colorless and free from fat. Using the correct strength sulfuric acid is essential to perform proper Gerber tests. "Standard" commercial (technical grade) 66° Baume acid is not appropriate.

Item No.	Size	Your Cost
1082-00	gallon	33.85

## Gerber Acid for Ice Cream

For use when testing frozen desserts or chocolate milk. **Special dilution: 94 parts regular Gerber acid to six parts distilled water.** Clean, colorless or almost colorless and free from fat.

Item No.	Size	Your Cost
1083-00	gallon	37.18

## Iso Amyl Alcohol for The Gerber Test

Conforms to A.P.H.A. *Standard Methods for the Examination of Dairy Products*. Clean, colorless or almost colorless. CP primary isobutyl carbinol; free from water, acid, fat and furfural. Specific gravity is 0.814 - 0.816 at 15.5° C.; more than 95% distills at an atmospheric pressure of 760 mm Hg within a 2° C. range between 128° and 132° C.

Item No.	Size	Qty Break	Your Cost
1086-00	gallon	1-3	121.77
		Multiples of 4	106.13
1087-00	quart		44.24

## Gerber Acid for Van Gulik Method

For use when testing cheese according to the Van Gulik method, ISO 3433. Certified to be specific gravity 1.522 ± 0.0005 g/mL at 20°C.

Item No.	Size	Your Cost
1082-50	gallon	58.34

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[WEBERSCIENTIFIC.COM](http://WEBERSCIENTIFIC.COM)



• Gerber Test Bottle Washer



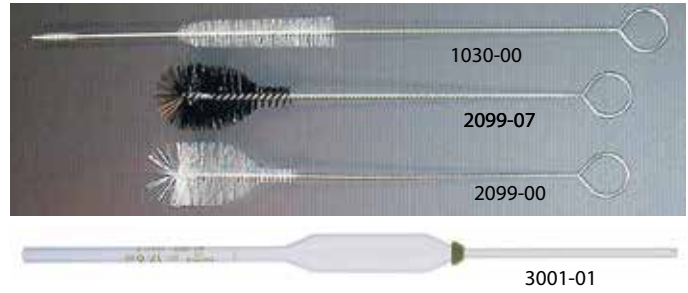
## Babcock Test Bottles

*Beautifully crafted in the USA*

Precise and thin calibration lines for superior readability. All bottles are 6 1/2" / 165 mm long.

Item No.	Description	Subdivision %	Tolerance %	Sample Size
2097-03	50% Paley Cheese Bottle with (3) rubber stoppers	0.5	±0.25	9 gram
2097-05	20% Paley Cheese Bottle with (3) rubber stoppers	0.2	±0.20	9 gram
2097-07	.05% Skim Milk	0.5	±0.025	18 gram
2097-09	8% Milk	0.1	±0.04	18 gram
2097-11	20% Ice Cream	0.2	±0.20	9 gram
2097-13	50% Cream 9 Gram	0.5	±0.25	9 gram
2097-15	50% Cream 18 Gram	0.5	±0.50	18 gram

Item No.	List Price	% Off List	Qty Break	Your Cost
2097-03	72.07	19	1	<b>58.38</b>
		30	2+	<b>50.45</b>
2097-05	70.99	19	1	<b>57.50</b>
		30	2+	<b>49.69</b>
2097-07	42.75	19	1	<b>34.63</b>
		30	2+	<b>29.93</b>
2097-09	27.76	19	1	<b>22.49</b>
		30	2+	<b>19.43</b>
2097-11	23.40	19	1	<b>18.95</b>
		30	2+	<b>16.38</b>
2097-13	22.85	19	1	<b>18.51</b>
		30	2+	<b>16.00</b>
2097-15	26.52	19	1	<b>21.48</b>
		30	2+	<b>18.56</b>



## Pipet For Milk (Kimble 3005S)

"Sealed" pipet is made in accordance with specifications of the Association of Official Analytical Chemists. Volumetric. Calibrated to contain.

Capacity mL	17.6
Tolerance mL	±0.05

Item No.	List Price	% Off List	Qty Break	Your Cost
3001-01	17.93	10	1-11	<b>16.14</b>
		25	Multi of 12	<b>13.45</b>

## Pipet Brush

White Nylon. Specially designed for Babcock 17.6 mL milk pipet.

Item No.	List Price	% Off List	Your Cost
1030-00	5.02	25	<b>3.77</b>

## Cream Bottle Brush

Two part design to clean both bulb and neck of cream bottles.

Item No.	List Price	% Off List	Your Cost
2099-07	3.44	20	<b>2.75</b>

## Babcock Acid

According to the article "An Evaluation of the Precision of Reference Test Methods Used in the Analysis of Milkfat in Laboratory Control Samples", published in the August 1986 *Dairy and Food Sanitation* magazine, the following modification was specified "...adjusting of the specific gravity of the sulfuric acid to 1.825..." Our product is guaranteed to be clean, colorless and standardized at specific gravity 1.825. Using Babcock acid that is always the exact same strength from one lot to the next saves a great deal of time in determining the amount of acid to be used to standardize the measurement of the milk/acid reaction temperature.

Item No.	Qty	Qty Break	Your Cost
3004-00	gallon	1-3	<b>33.35</b>
		4+	<b>28.35</b>

## Pipet for Cream (Kimble 570)

Volumetric. Calibrated to deliver.

Capacity mL	9
Tolerance mL	±0.05

Item No.	List Price	% Off List	Qty Break	Your Cost
3002-01	12.06	10	1-11	<b>10.85</b>
		20	Multi of 12	<b>9.65</b>

## Pipet for Skim Milk (Kimble 580S-9)

Volumetric. Calibrated to contain. Marked "Sealed 3" and designed to comply with the Pennsylvania Modified Babcock reference for testing skim, lowfat, buttermilk or whey.

Capacity mL	9
Tolerance mL	±0.05

Item No.	Qty	List Price	% Off List	Your Cost
3002-04	each	19.79	20	<b>15.83</b>

## Milk Bottle Brush

White nylon.

Item No.	List Price	% Off List	Your Cost
2099-00	5.02	25	<b>3.77</b>

## Babcock Acid, Pennsylvania Modification

Specific gravity certified to be 1.720 - 1.740.

Item No.	Qty	Your Cost
3004-30	gallon	<b>49.73</b>

## Babcock Acid, Cheese

Specially certified specific gravity of 1.835 - 1.840 as required for use with cheese.

Item No.	Qty	Your Cost
3004-35	gallon	<b>33.35</b>





**Acidity Titratable Tester – The Glass Alternative**

Non-glass components feature Nalgene® plastic (PMP) buret and flask. The buret is supplied with stopcock and is graduated with a scale that corresponds to the 1% full scale as found on the glass Kimax® acidity buret, therefore each mL corresponds to 0.1% titratable acidity. The complete outfit consists of one buret, filling tube assembly with Tygon® tubing, 2-holed stopper, rubber bulb with 4" of tubing and a clamp. Simple assembly is required.

The buret is self-zeroing, crystal clear, durable and meets ASTM E287. Capacity is 10 mL with 0.1mL subdivisions and a tolerance of ±0.04 mL. The flask holds 1000 mL.

Item No.	Description	Your Cost
3010-11	Acidity Titratable Tester	262.50
3010-12	Replacement Buret Unit with Hose	124.12
3010-14	Replacement Flask	65.01
3010-13	Replacement Tygon® Tubing Per foot - Clear	2.00
3010-03	Replacement Rubber Bulb With two valves, control vent and four inches of tubing	26.12
3010-06	Replacement Rubber Tubing Per foot - Black	1.83
3010-02	Replacement rigid straight tubing 1/4" OD, for both 3" and 13.5" lengths going thru stopper.	.85
3010-15	Replacement 2-Holed Stopper	1.84
3010-16	Replacement Clamp	41.28
3010-07	Stepped Connector	3.21
3010-17	O Rings	.25

**Acidity Tester, Automatic (Kimble 620F)**

Buret, supplied with stopcock having PTFE plug, is graduated with a durable white scale from 0 to 1%, giving readings directly in percentage of acidity. The complete outfit consists of one buret, filling tube assembly (glass tubes and rubber stopper), 100 ml beaker, rubber bulb, reservoir bottle, stirring rod, clamp and 9 mL pipet. The neutralizer and indicator must be purchased separately.

Item No.	List Price	% Off List	Your Cost
3010-00	386.84	10	348.16

**Replacement Buret Unit**

(Kimble A620F)

Capacity % 1

Subdivision % 1/100

Item No.	List Price	% Off List	Your Cost
3010-01	167.70	10	150.93

**Replacement Rubber Bulb**

With two valves, control vent and four inches of tubing.

Item No.	Your Cost
3010-03	26.12



**Replacement Tygon® Tubing**

For use with Acidity Tester. Per foot.

Item No.	Your Cost
3010-05	2.30

**Replacement Rubber Tubing**

Pure gum, black latex. For use with Acidity Tester. Per foot.

Item No.	Your Cost
3010-06	1.83

**Replacement Tube Vent**

Tube vent for Acidity Tester attaches to the rubber bulb.

Item No.	Your Cost
3010-09	4.50

**Replacement Stir Rod (Kimble 609-99)**

Sealed, hollow stirring rod contains a paper comparator with two bands in different shades of pink, to aid in endpoint determination.

Item No.	Your Cost
3010-04	25.50

**Replacement Stopper**

Item No.	Your Cost
3010-08	7.86

**Replacement Tube Filling**

Long glass replacement tube for the Acidity Tester.

Item No.	Your Cost
3010-10	4.54

**Indicator, 1% Phenolphthalein**

In 95% denatured alcohol.

Item No.	Qty	Your Cost
3008-00	pint	6.00
3008-02	2 ounce dropper bottle	3.80

**Neutralizer, Sodium Hydroxide, 0.100N**

0.100 Normal NaOH. Mol. Wt. 40.01. This aqueous solution of sodium hydroxide is standardized to contain 4.00 g NaOH/liter @ 25° C.



Item No.	Qty	Qty Break	Your Cost
3006-00	4 liter	1-3	24.67
		4+	21.95

**Indicator bottle**

Polyethylene. 2 ounce capacity, each.



Item No.	Your Cost
3008-04	2.02

800-328-8378

FIND IT AT WEBERSCIENTIFIC.COM

- California Mastitis Test
- Wisconsin Mastitis Test

## The Fluorophos® ALP Test System (Advanced Instruments)

The Fluorophos® Test System offers the food industry an ever-increasing family of tests to assure product quality. Each test is rapid, accurate and highly sensitive.

Testing for alkaline phosphatase is the recognized method for confirming the completeness of pasteurization in dairy products. The Fluorophos ALP Test is so sensitive that it can actually help monitor pasteurizer performance and give early warning of the deterioration of heat exchanger plates.

Many times more sensitive than other commercially available tests, Fluorophos ALP can detect as little as 0.003% raw milk contamination. Test cheese, cultured and flavored products - even chocolate milk. The ALP Test is not affected by the fat content or color of flavored products, as are other tests. Offers quantitative results. Because the ALP Test is instrument-based, results are quantitative and not dependent on operator interpretation.

- ✓ Rapid results. Results are available in three minutes (after 15 minute warm-up).
- ✓ Easy to perform. Uses just one reagent and results are read at the push of a button. The instrument's microprocessor provides prompts and diagnostic menus which make sample analysis, calibration and troubleshooting easy.
- ✓ No false positives. Because the Fluorophos ALP Test is highly specific, no false positives occur.
- ✓ On-board printer and computer interface is HACCP friendly. The Fluorophos Test System offers an instant digital display plus a hard copy for a permanent record. The computer interface allows connection to laboratory computers for analysis and reporting of data.
- ✓ AOAC, FDA, NCIMS, ISO and EU approved.



### SPECIFICATIONS:

Sample Capacity	Single sample
Test Units	FLU (fluorescence units)
Ranges	Low: 0-999.9 FLU High: 1000-9999 FLU, autoselecting
Resolution	±1 FLU
Power Regulations	100 to 130 VAC or 200 to 260 VAC (50 or 60 Hz)
Size	12.5"W x 16.5"D x 8.5"H (30cm x 40cm x 15cm)
Net Weight	25 lbs. (11 kg.)
Shipping Weight	35 lbs. (16 kg.)
Warranty	One-year limited warranty on workmanship and all parts except glass, plastic and parts warranted by their makers.
Certification	CE

Item No.	Mfr Model No.	Description	Qty Break	Your Cost
<b>3074-10</b>	FLM200	Fluorophos Test System	1 2+	<b>6250.00</b> <b>5941.06</b>

Item No.	Mfr Model No.	Description	Qty Break	Your Cost
<b>3074-18</b> ❄️	FLA225	ALP 225 – Test Kit with Cuvettes - 225 tests		<b>532.00</b>
<b>3074-19</b> ❄️	FLA224	ALP 225 – Test Kit reagent set only (w/o cuvettes)		<b>486.60</b>
<b>3074-20</b> ❄️	FLA250	ALP Three Calibrator Set - 30mL each		<b>153.00</b>
<b>3074-22</b> ❄️	FLA260	Phosphacheck Milk Controls - 9 pk, neg/normal/pos		<b>153.00</b>
<b>3074-24</b> ❄️	FLA280	ALP Daily Instrument Control - check instrument for drift		<b>153.00</b>
<b>3074-26</b>	FLA020	Replacement cuvettes, case/250		<b>120.00</b>
<b>3074-31</b>	FLA888	2 mL air displacement pipet		<b>406.00</b>
<b>3074-32</b>	ACM205	Fluorophos 2 mL pipet tips, pk/25		<b>7.00</b>
<b>3074-50</b>	FLA835	Thermal Printer Paper, 5-pack		<b>58.80</b>
<b>3074-60</b>	FLA865	25uL pipettor		<b>347.00</b>
<b>3074-62</b>	FLA885	75uL pipettor		<b>342.00</b>
<b>3074-82</b> ❄️	FLA005	Cheese Extraction Buffer, 240 mL bottle		<b>72.20</b>
<b>3074-83</b>	FLA880	Pipet tips, 25-75 µl, pack/100		<b>108.00</b>

### ACCESSORIES: FOR LABORATORY PASTEURIZED COUNTS



Test Tubes for LPC see page 90.  
Scharer Test see website.



## Advanced® 4250 Single-Sample Cryoscope (Advanced Instruments)

*Includes built-in printer for thorough documentation*

An automated, single-sample cryoscope that tests cow, goat, sheep, and buffalo milk for added water and produces accurate results in just 2 minutes. New model has a number of new features, including an on-board printer and data export capability.

### KEY FEATURES

- On-board printer with vertical printout
- Dual m °C or m °H scale
- Timed plateau or plateau seeking mode
- Electronic storage and retrieval of approximately 30 test results
- On-board statistical analysis (mean, standard deviation and coefficient of variation functions)
- RS232 and data export capability
- Downloadable software upgrades
- Multiple language capability
- Optional barcode capability
- Data/time stamp (recall and event record functions)

### SPECIFICATIONS

Sample Size	2.0 or 2.5 mL
Test Time	Approx. 90 seconds in the 30-second mode
Sample Capacity	Single Sample
Units	-m °C or m °H
Resolution	1 m °C or m °H
Range	0 to 1000 °C or °H

### Performance at Reference Conditions

Linearity	Less than ±0.5% from a straight line
Repeatability	±2 m°C or m°H (1 S.D.)
Drift	Less than 1 m°C or m°H per month

### Performance Over Operating Conditions

Temperature Effects	Less than 1 m°C or m°H per 5°C (9°F)
---------------------	--------------------------------------

### Operating Conditions

Temperature	18 to 35°C (64 to 95°F)
Humidity	5 to 80% relative humidity (non-condensing)
Storage Temperature	-40 to +45°C (-40 to +113°F)
Electrical Voltage	100 to 130 VAC (50/60 Hz) or 200 to 250 VAC (50/60 Hz)
Power Consumption	150 Watts
Size	13"W x 18"D x 16"H (40.6cm x 33cm x 45.7cm)
Net Weight	28 lbs. (12.7 kg.)
Shipping Weight	39 lbs. (17.7 kg.)
Warranty	One-year limited warranty on workmanship and all parts except glass, plastic, and parts warranted by their makers.
Certification	CE, UEV, ISO 9001

Item No.	Description	Qty Break	Your Cost
<b>3073-11</b>	Advanced 4250 Single-Sample Cryoscope <b>Includes</b> 3072-16 - 422 10 x 10 mL calibrating standards 3072-19 - 621 10 x 10 mL calibrating standards 3072-60 - Heat transfer fluid, 150 mL Printer paper, 2 rolls Paper Manual Electronic Manual	1 2+	<b>10643.90</b> <b>9362.25</b>
<b>3073-15</b>	Replacement stainless steel sample probe for Advanced Instruments cryoscope models 3D3, 4D3, 4250.  (Note: older versions of the 3D3 & 4D3 (from the early 1990s) require the replacement probe's wire to be cut and soldered on to the apparatus. The 3D3 and 4D3 from the mid-1990s forward allow the replacement probe to be plugged in directly. The 4250 model also allows the replacement probe to be plugged in directly with no cutting/ soldering.)	Each	<b>705.00</b>

FIND IT AT WEBERSCIENTIFIC.COM



- *Solubility Testing Supplies*
- *Scharer Phosphatase Test*

### Replacement Thermal Printer Paper

Item No.	Mfr Item No.	Qty	Your Cost
<b>3074-50</b>	FLA835	pack/5	<b>58.80</b>



3072-61



3072-62



3072-63



## QuickCheck™ Cryoscopes (Page & Pedersen)

Testing for added water in milk, these freezing-point instruments ensure that extraneous water is not present in your milk. The QuickCheck family of cryoscopes complies with the recommended methods as reviewed by the AOAC/IDF/ISO for payment purposes. Choose from 3 different models appropriate to your specific budget and requirements.

### QuickCheck™ Flex Cryoscope

The only 12 Volt -DC powered instrument, the portable QC-FLEX is a tool for rural or remote locations off the 'grid' or in areas where AC power is not always reliable. Applications include milking parlors, bulk tanks, collection centers, milk trucks, use by herd management teams and field reps. Bringing you real-time information about added water, when you need it – where you need it: Check the bulk tank to monitor for added water caused by improperly drained lines, condensation, etc. Screen milk samples for extraneous water upon pick up at the farm, prior to loading, to confirm compliance with recommended levels. Comes with large alligator clips.

### QuickCheck™ TECH Cryoscope

Reliable, affordable and versatile analytical tool for detecting extraneous water in milk at any point throughout the dairy supply chain. Easy to use, accurate, cost-effective and analysis of milk, in compliance with internationally reviewed and recommended methods (AOAC, IDF 108:2009 & ISO 5764:2009) for payment purposes. Robust electronics, featuring a streamlined calibration and rugged cooling capabilities. The QC-TECH provides results that meet or exceed accuracy requirements for QC/QA critical control points including payment purposes in milk collection/reception.

### QuickCheck™ -IV/GR Cryoscope

#### Laboratory instrument for accurate testing of added water in milk

Testing milk for extraneous water in accordance with internationally reviewed and recommended methods (AOAC, IDF 108:2009 & ISO 5764:2009), the QC-IV/GR ensures that incoming milk is not adulterated with added water for payment purposes. Also, the QC-IV/GR provides a critical control check for processed milk and confirms proper balance in cheese, yogurt and ice-cream recipes.

Item No.	Mfr Item No.	Description	Your Cost
3072-61	QC-FLEX	QuickCheck™ Flex Cryoscope	6133.00
3072-62	QC-TECH	QuickCheck™ TECH Cryoscope	6533.00
3072-63	QC-IV/GR	QuickCheck™ IV/GR Cryoscope	7333.00
3072-59	101-911	Transfer Fluid, 160 mL, for all brands of cryoscopes	17.95
3072-77	61B007	AC/DC converter Converts 95 – 260 VAC 50/60Hz to 12V/10 Amp DC.	517.00

Item No.	3072-61	3072-62	3072-63
Mfr Item No.	QC-FLEX	QC-TECH	QC-IV/GR
Sample Size	2.5 mL	2.5 mL	2.5 mL
Sample Capacity	Single Sample	Single Sample	Single Sample
Test Time	~ 2 minutes	~ 2 minutes	~ 2 minutes
Readout Units	m°C or m°H	m°C or m°H	m°C or m°H
Start-Up Time	~ 10 minutes	~ 10 minutes	~ 10 minutes
Repeatability	±0.002 °H (or °C)	±0.002 °H (or °C)	± 0.002 °C
Linearity	< ±0.5% from straight line	< ±0.5% from straight line	< ±0.5%
Resolution	0.001° H (or °C)	0.001° H (or °C)	± 0.0001 °C
Bath Temperature	-6.0° C ± 0.5°	-6.0° C ± 0.5°	
Calibration	2 points (422, 621 m°H/408, 600 m°C)	2 points (422, 621 m°H/408, 600 m°C)	2 points (User Selectable)
Power Consumption	120 W	120 W	125 W
Power Requirement	DC: 12-14.2 V, 10 Amp	120 VAC	120 VAC
Fuse	15 Amp	2 Amp	3 Amp
Ambient Air Temperature	15 to -40° C	15 to -40° C	15° to -38° C
Humidity	30 - 80% Relative	30 - 80% Relative	30 - 80% Relative
Dimensions (W x H x D)	12 X 10 X 8 inches (30 X 26 X 20 cm)	14 X 18 X 11 inches (36 X 46 X 28 cm)	18 X 18 X 16 inches (46 x 41 x 33 cm)
Net Weight	17 lbs (7.7 kgs)	22 lbs (10 kgs)	36 lbs (16.4 kgs)
Gross Weight	20 lbs (9.5 kgs)	47 lbs (21.5 kgs)	65 lbs (24.5 kgs)

Milk Cryoscope Accessories, guaranteed to be compatible with Advanced Instruments, Fiske, Precision and all other milk cryoscopes. Choose from either Advanced Instruments or Weber Scientific brand.



**Weber Scientific...  
Industry Standard Quality!**



**Calibrating Standards**

Item No.	OH	Size	List Price	% Off List	Your Cost
3072-12	422	110 mL	18.75	40	11.48
3072-15	621	110 mL	18.75	40	11.48

**Cooling Fluid (Bath Liquid)**

Propylene glycol non-toxic solution.

Item No.	Size	List Price	% Off List	Your Cost
3072-26	500 mL	24.80	33	16.62

**WEBFREEZE™ 530 Reference Solution**

For verification of milk cryoscope linearity. Behaves like milk in freezing point tests.

Item No.	Size	Qty	List Price	% Off List	Your Cost
3072-34	100 mL	each	19.13	40	11.48
3072-36	10 mL	pack/10	55.35	34	36.53

**Sample Tubes**

Item No.	Calibration lines at mL	Qty	List Price	% Off List	Your Cost
3072-46	2.0 - 2.5	pack/12	63.24	20	50.59

**Sample Tube Storage Rack**

Conveniently holds 40 cryoscope tubes. Rack features a sturdy polypropylene construction. Corrosion and shatter proof. Two-tier design. Height from bottom of base to top shelf is 41 mm. Size: 10" x 4.4" x 3.5" (250 x 110 x 90 mm).

Item No.	Your Cost
3072-78	30.90



**Advanced Instruments...**

**CryoLine™ Calibrating Standards**

Item No.	Mfr Item No.	OH	Size	Qty	Your Cost
3072-16	3LA023	422	10 mL glass ampules	pack/10	48.00
3072-17	3LA022	422	110 mL		20.80
3072-19	3LA033	621	10 mL glass ampules	pack/10	48.00
3072-20	3LA032	621	110 mL		20.80

**Lactrol® 530 Reference Solution**

For verification of milk cryoscope linearity. Behaves like milk in freezing point tests.

Item No.	Mfr Item No.	Size	Qty	Your Cost
3072-18	3LA027	100 mL	each	22.80
3072-35	3LA030	10 mL	pack/10	62.20

**Sample Tubes**

Item No.	Mfr Item No.	Size	Qty	Your Cost
3072-40	3LA823	2 - 2.5 mL	pack/12	75.40

**Air Filters**

Item No.	Mfr Item No.	Qty	Your Cost
3072-45	3D2340	pack/6	79.79

**Heat Transfer Fluid**

Item No.	Mfr Item No.	Size	Your Cost
3072-60	3DA811	150 mL	29.80

**30 Sample Tube Rack**

Item No.	Mfr Item No.	Your Cost
3072-79	3LA846	22.95

**Cryoscope Wipes**

Item No.	Mfr Item No.	Qty	Your Cost
3072-84	4C3840	pack/100	85.40

## Filter Papers, Qualitative Standard Grade 1 (Whatman)



*The most widely used filter paper for routine applications*

Grade 1: 11 µm with medium retention and flow rate. This grade covers a wide range of laboratory applications and is frequently used for clarifying liquids. Traditionally the grade is used in qualitative analytical separations for precipitates. In the food industry it is used for numerous routine techniques to separate solid foodstuffs from associated liquid or extracting liquid.

Item No.	Mfr Item No.	Dia., cm	Qty	Qty Break	Your Cost
3255-10	1001-055	5.5	pack/ 1		<b>10.59</b>
			100 2+		<b>9.23</b>
3255-11	1001-070	7	pack/ 1		<b>10.59</b>
			100 2+		<b>9.23</b>
3255-13	1001-090	9	pack/ 1		<b>13.29</b>
			100 2+		<b>11.59</b>
3255-14	1001-110	11	pack/ 1		<b>15.87</b>
			100 2+		<b>13.83</b>
3255-15	1001-125	12.5	pack/ 1		<b>15.87</b>
			100 2+		<b>13.83</b>
3255-16	1001-150	15	pack/ 1		<b>23.78</b>
			100 2+		<b>20.73</b>

## Filter Papers, Qualitative Standard Grade 3 (Whatman)



*Double the thickness of Grade 1*

Grade 3: 6 µm with still finer particle retention and excellent loading capacity; more precipitate can be held without clogging. The extra thickness gives increased wet strength and makes this grade highly suitable for use in Büchner funnels. The high absorbency is particularly valuable when the paper is used as a sample carrier.

Item No.	Mfr Item No.	Dia., cm	Qty	Qty Break	Your Cost
3255-25	1003-055	5.5	pack/ 1		<b>14.18</b>
			100 2+		<b>12.36</b>
3255-26	1003-070	7	pack/ 1		<b>16.75</b>
			100 2+		<b>14.60</b>
3255-27	1003-090	9	pack/ 1		<b>21.84</b>
			100 2+		<b>19.04</b>
3255-28	1003-110	11	pack/ 1		<b>25.69</b>
			100 2+		<b>22.40</b>
3255-29	1003-125	12.5	pack/ 1		<b>32.15</b>
			100 2+		<b>28.03</b>
3255-30	1003-150	15	pack/ 1		<b>46.28</b>
			100 2+		<b>40.35</b>

## Filter Papers, Qualitative Standard Grade 4 (Whatman)



*Extremely fast filtering*

Grade 4: 20-25 µm with excellent retention of coarse particles and gelatinous precipitates. Used when high flow rates in air pollution monitoring are required and the collection of fine particles is not critical.

Item No.	Mfr Item No.	Dia., cm	Qty	Qty Break	Your Cost
3255-35	1004-055	5.5	pack/ 1		<b>11.91</b>
			100 2+		<b>10.38</b>
3255-36	1004-070	7	pack/ 1		<b>11.91</b>
			100 2+		<b>10.38</b>
3255-37	1004-090	9	pack/ 1		<b>14.60</b>
			100 2+		<b>12.73</b>
3255-38	1004-110	11	pack/ 1		<b>18.53</b>
			100 2+		<b>16.15</b>
3255-39	1004-125	12.5	pack/ 1		<b>23.78</b>
			100 2+		<b>20.73</b>
3255-40	1004-150	15	pack/ 1		<b>30.41</b>
			100 2+		<b>26.51</b>

## Filter Papers, Application Specific Grade 2555½ (Whatman)

*For the brewing industry*

A medium fast filter paper. Used for the filtration of the mash for the determination of the extract in malt and wort and for removing carbon dioxide from beer.

Item No.	Mfr Item No.	Dia., cm	Qty	Qty Break	Your Cost
3254-44	10313947	18.5	pack/ 1		<b>45.00</b>
			100 2+		<b>39.23</b>
3254-45	10313951	24	pack/ 1		<b>52.91</b>
			100 2+		<b>46.13</b>
3254-46	10313953	32	pack/ 1		<b>78.07</b>
			100 2+		<b>68.06</b>

## Filter Paper, Crepe Fluted Circles



Qualitative for gelatinous and coarse precipitates. Folded. Pack of 100.

Flow Rate	Fast
Particle Retention	25 µm
Porosity	Coarse
Diameter	240 mm

Item No.	List Price	% Off List	Your Cost
3009-20	99.06	20	<b>79.25</b>

## Filter Papers, Qualitative Standard Grade 597 (Whatman)

*Use for the removal of carbon dioxide and turbidity from beer*

Grade 597: 4-7 µm is a medium fast filter paper with medium to fine particle retention. Used for a wide variety of analytical routine applications in different industries like food testing (e.g., determination of fat content) or removal of carbon dioxide and turbidity from beverages (e.g., beer analysis). Also available pre-pleated upon request as a special order.

Item No.	Mfr Item No.	Dia., cm	Qty	Qty Break	Your Cost
3255-70	10311809	9	pack/ 1		<b>11.91</b>
			100 2+		<b>10.38</b>
3255-71	10311810	11	pack/ 1		<b>15.87</b>
			100 2+		<b>13.83</b>
3255-72	10311811	12.5	pack/ 1		<b>21.22</b>
			100 2+		<b>18.50</b>
3255-73	10311812	15	pack/ 1		<b>27.74</b>
			100 2+		<b>24.18</b>
3255-74	10311814	18.5	pack/ 1		<b>39.74</b>
			100 2+		<b>34.64</b>
3255-75	10311820	24	pack/ 1		<b>64.81</b>
			100 2+		<b>56.50</b>

## Filter Pads, Glass Fiber (Whatman)



*Commonly used for moisture testing*

Grade GF/A: 1.6 µm. Offers fine particle retention and high flow rate, as well as good loading capacity. Can be used for moisture testing, high-efficiency general purpose laboratory filtration, including filtration of water, algae and bacteria cultures, foodstuff analyses, protein filtration and gravimetric determination of airborne particulates.

Item No.	Mfr Item No.	Dia., cm	Qty	Qty Break	Your Cost
3252-03	1827-047	4.7	pack/ 1		<b>55.85</b>
			100 2+		<b>45.16</b>
3252-50	1820-055	5.5	pack/ 1		<b>48.54</b>
			100 2+		<b>42.32</b>
3252-12	1820-060	6	pack/ 1		<b>67.69</b>
			100 2+		<b>59.01</b>
3252-14	1820-070	7	pack/ 1		<b>58.72</b>
			100 2+		<b>51.19</b>
3252-10	1820-090	9	pack/ 1		<b>88.09</b>
			100 2+		<b>76.79</b>
3252-17	1820-125	12.5	pack/ 1		<b>155.82</b>
			100 2+		<b>135.85</b>
3252-19	1820-150	15	pack/ 1		<b>212.28</b>
			100 2+		<b>185.06</b>

# Labware

## Graduated Measures (Polar Ware)

Calibrated in ounces and mL with easy to grip handles and large, smooth pouring spouts. Highly non-corrosive stainless steel can be safely heated, has a smooth finish for easy cleaning. Medium gauge (20-24 gauge) 304 stainless steel.

Item No.	Capacity oz./cc	Graduation interval oz./mL	Size dia. x height (in./mm)	List Price	% Off List	Qty Break	Your Cost
2051-20	16 / 473	2 / 50	3 3/4 x 4 5/8 / 95 x 117	71.20	27	1-2	<b>51.98</b>
					32	3+	<b>48.42</b>
2051-21	32 / 946	2 / 100	4 3/4 x 5 1/4 / 121 x 133	91.50	27	1-2	<b>66.80</b>
					32	3+	<b>62.22</b>
2051-22	64 / 1892	4 / 100	5 1/2 x 6 1/2 / 140 x 165	114.60	27	1-2	<b>83.66</b>
					32	3+	<b>77.93</b>



## Griffin Style Beakers with Handle (Polar Ware)

Stainless Steel. Without graduation. Highly non-corrosive stainless steel can be safely heated, has a smooth finish for easy cleaning. Medium gauge (20-24 gauge) 304 stainless steel.

Item No.	Capacity mL	Size dia. x height (in./mm)	List Price	% Off List	Qty Break	Your Cost
2051-25	2000	5 1/16 x 6 5/8 (129 x 168)	115.10	27	1-2	<b>84.02</b>
				32	3+	<b>78.27</b>
2051-26	3000	6 1/16 x 7 (154 x 178)	119.50	27	1-2	<b>87.24</b>
				32	3+	<b>81.26</b>
2051-27	4000	6 1/8 x 8 7/8 (174 x 225)	149.50	27	1-2	<b>109.14</b>
				32	3+	<b>101.66</b>



## Solution Pails (Polar Ware)

Tapered for easy pouring. "Ears" for handles are an integral part of pail, resisting breakoff and allowing for thorough cleaning. Highly non-corrosive stainless steel can be safely heated, has a smooth finish for easy cleaning. Medium gauge (20-24 gauge) 304 stainless steel. Lids available as a special order.

Item No.	Capacity Quart	Size dia. x height (in./mm)	List Price	% Off List	Qty Break	Your Cost
2051-40	13	11 5/8 x 9 1/4 / 295 x 235	124.00	27	1-2	<b>90.52</b>
				32	3+	<b>84.32</b>
2051-41	16	11 3/4 x 10 1/8 / 298 x 257	158.50	27	1-2	<b>115.71</b>
				32	3+	<b>107.78</b>



## Storage Containers (Polar Ware)

No pour spout with optional cover. Highly non-corrosive stainless steel can be safely heated, has a smooth finish for easy cleaning. Medium gauge (20-24 gauge) 304 stainless steel.

Item No.	Description	Capacity Quart	Size dia. x height (in./mm)	List Price	% Off List	Qty Break	Your Cost
2051-03	Container	1 1/4	4 9/16 in x 5 3/4 in (116 mm x 146 mm)	35.30	27	1-2	<b>25.77</b>
					32	3+	<b>24.00</b>
2051-04	Cover			19.90	27	1-2	<b>14.53</b>
2051-06	Container	2 1/16	5 3/8 in x 6 5/8 in (137 mm x 168 mm)	41.50	27	1-2	<b>30.30</b>
					32	3+	<b>28.22</b>
2051-07	Cover			20.40	27	1-2	<b>14.89</b>
					32	3+	<b>13.87</b>
2051-09	Container	3 3/16	6 1/2 in x 7 in (165 mm x 178 mm)	49.00	27	1-2	<b>35.77</b>
					32	3+	<b>33.32</b>
2051-10	Cover			22.50	27	1-2	<b>16.43</b>
					32	3+	<b>15.30</b>
2051-12	Container	4 3/4	7 3/8 in x 7 7/8 in (187 mm x 200 mm)	54.50	27	1-2	<b>39.79</b>
					32	3+	<b>37.06</b>
2051-13	Cover			23.80	27	1-2	<b>17.37</b>
					32	3+	<b>16.18</b>





### Griffin Style Beakers (Polar Ware)

Capacity full mark near top of beaker assures accurate measuring. Highly non-corrosive stainless steel can be safely heated, has a smooth finish for easy cleaning. Medium gauge (20-24 gauge) 304 stainless steel.

Item No.	Capacity mL	Size dia. x height (in./mm)	List Price	% Off List	Qty Break	Your Cost
2051-30	125	2 1/8 x 2 5/8 / 54 x 67	46.90	27	1-2	<b>34.24</b>
				32	3+	<b>31.89</b>
2051-31	250	2 5/8 x 3 1/4 / 67 x 83	47.40	27	1-2	<b>34.60</b>
				32	3+	<b>32.23</b>
2051-32	600	3 3/8 x 4 5/8 / 86 x 117	54.50	27	1-2	<b>39.79</b>
				32	3+	<b>37.06</b>
2051-33	1200	4 1/8 x 6 1/16 / 105 x 154	68.00	27	1-2	<b>49.64</b>
				32	3+	<b>46.24</b>
2051-34	2000	4 7/8 x 7 1/8 / 124 x 181	100.00	27	1-2	<b>73.00</b>
				32	3+	<b>68.00</b>



### Glass Erlenmeyer Flask Starter Pack (Kimble 26520-01)

One each of five popular sizes: 50, 125, 250, 500 and 1,000 mL.

Item No.	List Price	% Off List	Your Cost
2064-75	48.57	25	<b>36.43</b>



### Glass Erlenmeyer Flasks with Screw Cap (Kimble 26505)

With capacity scale. Useful for mixing and storing culture media and also for many culturing techniques. Supplied with long caps having cemented-in inert rubber liners. All flasks have durable white scales to indicate approximate volumes at various levels, useful for measuring solutions where a high degree of accuracy is unnecessary.

Item No.	Capacity mL	Interval grad. mL	Division mL	Approx. widest diam. mm	Approx. height mm	GPI thread finish	Qty	Qty Break	Your Cost
2071-01	250	50-250	25	81	128	28-410	each	1-5	<b>27.02</b>
								Multiples of 6	<b>17.15</b>
2071-05	500	100-500	50	102	175	38-430	each	1-5	<b>27.68</b>
								Multiples of 6	<b>17.57</b>
2071-08	1000	250-1000	50	128	215	38-430	each	1-5	<b>32.51</b>
								Multiples of 6	<b>20.63</b>
2071-14	2000	600-2000	200	161	273	38-430	each	1	<b>56.81</b>
								Multiples of 2	<b>36.05</b>

### Replacement Screw Cap for Erlenmeyer Flasks (Kimble)

2071-10	28-410	<b>2.84</b>
2071-11	38-430	<b>2.70</b>

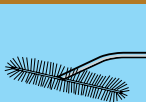


### Erlenmeyer Flask with Screw Cap, Borosilicate Glass (United Scientific)

Recommended for culturing, mixing and storing applications. Borosilicate glass flasks are designed to give the best combination of thermal shock resistance and physical strength. Feature heavy-duty rims and graduations in durable white enamel. Blue caps with liner are autoclavable.

Item No.	Mfr Item No.	Capacity (ml)	Approx. O.D. x Height (mm)	Qty	List Price	% Off List	Qty Break	Your Cost
2071-15	FG5021-100	100	64 x 110	pack/6	103.03	50	1-3	<b>51.52</b>
						60	4+	<b>41.21</b>
2071-16	FG5021-150	150	72 x 125	pack/6	120.36	50	1-3	<b>60.18</b>
						60	4+	<b>48.14</b>
2071-17	FG5021-250	250	85 x 145	pack/6	149.55	50	1-3	<b>74.78</b>
						60	4+	<b>59.82</b>
2071-18	FG5021-500	500	104 x 180	pack/6	170.92	50	1-3	<b>85.46</b>
						60	4+	<b>68.37</b>
2071-19	FG5021-1000	1000	131 x 225	each	50.56	50	1-3	<b>25.28</b>
						60	4+	<b>20.22</b>

### ACCESSORIES: FOR LABWARE



Flask Brush see page 197.



## Glass Erlenmeyer Flasks (Kimble 26500)

Narrow mouth, with reinforced beaded top and capacity scale. Flasks have durable white scales to indicate approximate volumes at various levels, useful in measuring and mixing solutions where a high degree of accuracy is not a prime consideration.

Item No.	Capacity ml	Interval Graduated ml	Subdivision ml	Qty	List Price	% Off List	Qty Break	Your Cost
2058-01	125	50 - 125	25	each			1-11	<b>5.45</b>
							Multiples of 12	<b>3.46</b>
2059-01	250	50 - 225	25	each			1-11	<b>5.65</b>
							Multiples of 12	<b>3.59</b>
2060-01	500	100 - 500	50	each			1-5	<b>8.72</b>
							Multiples of 6	<b>5.54</b>
2063-01	1000	250 - 1000	50	each			1-5	<b>11.56</b>
							Multiples of 6	<b>7.33</b>
2063-06	2000	600 - 2000	200	each			1-3	<b>26.95</b>
							Multiples of 4	<b>17.11</b>
2063-11	4000	1000 - 4000	500	each	72.99	25	<b>54.74</b>	



2058-01

## Volumetric Liquid Measuring Flasks

Widely used to precisely measure filling accuracy of liquids

Made in strict accordance with NBS Handbook 133, Third Edition: Checking the Net Contents of Packaged Goods, chapter 4.2. Equipment for Liquid Volume Determinations. All flasks are calibrated "to deliver" except with a "C" suffix, which are calibrated "to contain".

**HARD TO FIND ITEM!**

Item No.	Size	Graduated Range	Graduation Minimum	Your Cost
2040-08	1/2 Pint	8 fl. dram	1 fl. dram	<b>243.29</b>
2040-11	11 oz.	8 fl. dram	1 fl. dram	<b>268.57</b>
2040-14	14 oz.	8 fl. dram	1 fl. dram	<b>288.00</b>
2040-14C	14 oz.	8 fl. dram	1 fl. dram	<b>288.00</b>
2040-16	Pint	8 fl. dram	1 fl. dram	<b>285.14</b>
2040-18.5	18.5 oz.	8 fl. dram	1 fl. dram	<b>432.00</b>
2040-32	Quart	8 fl. dram	1 fl. dram	<b>427.14</b>
2040-40C	40 oz.	8 fl. dram	1 fl. dram	<b>562.21</b>
2040-48C	48 oz.	8 fl. dram	1 fl. dram	<b>562.21</b>
2040-52	52 oz.	8 fl. dram	1 fl. dram	<b>562.21</b>
2040-59	59 oz.	8 fl. dram	1 fl. dram	<b>562.21</b>
2040-64	1/2 Gallon	8 fl. dram	1 fl. dram	<b>561.43</b>
2040-96	96 oz.	8 fl. dram	1 fl. dram	<b>728.07</b>
2040-128	Gallon	8 fl. dram	1 fl. dram	<b>693.50</b>



2040-64

## Lead Rings (Bel-Art Scienceware)

Vikem® vinyl rings stabilize glassware.

Item No.	Mfr Item No.	Description	Weight	Fits Flasks	List Price	% Off List	Your Cost
3015-01	18308-0500	C-shape	0.5 lbs (237 g)	125-500 mL	32.90	20	<b>26.32</b>
3015-02	18308-1000	C-shape	1.0 lbs (454 g)	250-1000 mL	37.25	20	<b>29.80</b>
3015-03	18308-2000	C-shape	1.5 lbs (681 g)	500-2000 mL	42.85	20	<b>34.28</b>
3016-80	18307-0005	ring shape	0.5 lbs (237 g)	125-500 mL	27.75	20	<b>22.20</b>
3016-83	18307-0010	ring shape	1.0 lbs (454 g)	250-1000 mL	32.05	20	<b>25.64</b>
3016-86	18307-0015	ring shape	1.5 lbs (681 g)	500-2000 mL	38.30	20	<b>30.64</b>



3016-80



3015-01

800-328-8378

ACCESSORIES: FOR LABWARE



Dilution Bottle Volumetric Flask see page 44.

LABWARE



2068-01



2077-67



2069-01



2069-11

### Volumetric Graduated Cylinders, Class A (Kimble 20026)

Serialized and supplied with a Certificate of Graduation Accuracy. Single metric scale. The 10 mL size has an enlarged funnel shaped top for ease of filling. Kimax® glass.

Item No.	Capacity mL	Graduations mL	Subdivision mL	Tolerance mL	List Price	% Off List	Your Cost
2068-01	10	1 - 10	0.1	±0.10	95.76	20	<b>76.61</b>
2068-07	100	10 - 100	1	±0.40	114.76	20	<b>91.81</b>

### Volumetric Graduated Cylinders, Class A (United Scientific)

Class A glassware at a phenomenal price

- ASTM E-1272
- Borosilicate glass
- Hexagonal Base
- "Batch Certified"
- Certificate of Conformity with results of the analysis
- Bumper guard included

Item No.	Size, mL	Graduations, mL	List Price	% Off List	Qty Break	Your Cost
2077-60	10	0.2	17.53	50	1-2	<b>8.77</b>
				55	3+	<b>7.89</b>
2077-61	25	0.5	24.66	50	1-2	<b>12.33</b>
				55	3+	<b>11.10</b>
2077-62	50	1.0	26.64	50	1-2	<b>13.32</b>
				55	3+	<b>11.99</b>
2077-63	100	1.0	29.97	50	1-2	<b>14.99</b>
				55	3+	<b>13.49</b>
2077-64	250	2.0	41.30	50	1	<b>20.65</b>
				55	2+	<b>18.59</b>
2077-65	500	5.0	76.91	50	1	<b>38.46</b>
				55	2+	<b>34.61</b>
2077-66	1000	10.0	135.18	50	1-2	<b>67.59</b>
				55	3+	<b>60.83</b>
2077-67	2000	20.0	206.15	50	1-2	<b>103.08</b>
				55	3+	<b>92.77</b>

### Economy Grade Glass Graduated Cylinders (Kimble)

To deliver, single metric scale. Accurately calibrated for many general laboratory procedures. Durable white scales. Superb value.

Item No.	Capacity mL	Subdivision mL	Approx. height mm	Qty	List Price	% Off List	Qty Break	Your Cost
2069-01	25	5/10	140	each			1-3	<b>15.84</b>
							Multiples of 4	<b>10.14</b>
2069-04	100	1	255	each			1-3	<b>17.57</b>
							Multiples of 4	<b>11.24</b>
2069-07	250	2	330	each			1	<b>29.60</b>
							Multiples of 2	<b>18.95</b>
2069-09	1000	10	460	each	50.94	25	<b>38.21</b>	

### Glass Graduated Cylinders (Kimble 20024)

Accurately calibrated to deliver (TD), single metric scale. Safe-Gard bumpers with sizes 25 through 2000 mL. Durable white ceramic enamel scale. Meets ASTM Specification E1272, Style 1, Class B requirements.

Item No.	Capacity mL	Subdivision mL	Approx. height mm	Qty	List Price	% Off List	Your Cost
2069-11	10	0.2	135	pack/4	58.58	25	<b>43.94</b>
2069-15	25	0.5	140	pack/4	80.84	25	<b>60.63</b>
2069-19	50	1	190	pack/4	78.62	25	<b>58.97</b>
2069-23	100	1	255	pack/4	93.26	25	<b>69.95</b>
2069-27	250	2	330	pack/2	67.29	25	<b>50.47</b>
2069-31	500	5	375	each	52.92	25	<b>39.69</b>
2069-35	1000	10	460	each	68.30	25	<b>51.23</b>

#### ACCESSORIES: FOR LABWARE



Cylinder Brush see page 197.

## Graduated Cylinders, Economy

Polypropylene. One piece construction with molded graduations. Accuracy meets Federal Specifications NNN-C-940. Autoclavable.

Item No.	Capacity mL	Subdivision mL	Qty	List Price	% Off List	Qty Break	Your Cost
2078-76	50	1	each	7.15	20	1-11	<b>5.72</b>
					30	Multiples of 12	<b>5.01</b>
2078-80	100	1	each	8.85	20	1-11	<b>7.08</b>
					30	Multiples of 12	<b>6.20</b>
2078-84	250	2	each	9.90	20	1-11	<b>7.92</b>
					30	Multiples of 12	<b>6.93</b>
2078-88	500	5	each	13.50	20	1-5	<b>10.80</b>
					30	Multiples of 6	<b>9.45</b>
2078-92	1000	10	each	18.90	20	1-5	<b>15.12</b>
					30	Multiples of 6	<b>13.23</b>



## Graduated Cylinders (Nalgene 3662)

Translucent and autoclavable polypropylene with black, easy to read molded-in graduations. Excellent accuracy meets ASTM Class B and ISO Standard 6706 requirements. Broad hexagonal base resists tipping. Shatterproof.

Item No.	Capacity mL	Subdivision mL	Tolerance± mL	Qty	List Price	% Off List	Qty Break	Your Cost
2078-36	50	1	± .05	each	46.45	50	1-17	<b>23.23</b>
						62	Multiples of 18	<b>17.65</b>
2078-40	100	1	± 1.0	each	49.07	50	1-11	<b>24.54</b>
						62	Multiples of 12	<b>18.65</b>
2078-44	250	2	± 2.0	each	65.97	50	1-11	<b>32.99</b>
						62	Multiples of 12	<b>25.07</b>
2078-48	500	5	± 4.0	each	86.95	50	1-7	<b>43.48</b>
						62	Multiples of 8	<b>33.04</b>
2078-52	1000	10	± 6.0	each	108.89	50	1-5	<b>54.45</b>
						62	Multiples of 6	<b>41.38</b>



2078-11

## Glass Graduated Cylinder Starter Pack (Kimble 20024-01)

One each of 5 popular sizes: 10, 25, 50, 100 and 250 mL.

Item No.	List Price	% Off List	Your Cost
2069-75	131.84	25	<b>98.88</b>

## Scienceware® Hold Fast™ Graduated Cylinder (Bel-Art Scienceware 28461)

Polypropylene with secure handle makes pouring from a tall cylinder more convenient. Double scale with octagonal base. Steam autoclavable at 250°F. (121°C.).

Item No.	Qty	List Price	% Off List	Your Cost
2078-11	1000 mL	28.65	20	<b>22.92</b>
2078-15	2000 mL	55.80	20	<b>44.64</b>



2069-75

## Glass Test Tubes for Laboratory Pasteurized Counts in Milk

Borosilicate glass tubes, used with tight-sealed screw caps, are suitable for Laboratory Pasteurized Counts (LPC). These tubes can be fully immersed in a water bath and will not leak. Use to test for thermophilic bacteria, a type of microorganism that survives pasteurization but does not grow at pasteurization temperatures. The presence of high numbers of thermophilic bacteria in raw milk usually indicates poorly cleaned and sanitized udders, utensils and milking equipment. Thermophilic organisms can contribute to high Standard Plate Counts (SPC) in pasteurized milk and milk products. The LPC is performed by heating the sample to 62.8° C (145° F) for 30 minutes, followed by a SPC. LPC counts should be less than 250/mL.



Item No.	Description	Approx. O.D. Length mm	Approx. GPI Capacity mL	Thread Finish	Qty	List Price	% Off List	Your Cost
<b>3014-82</b>	Round bottom, reusable, with rubber lined caps (unattached), marking spot	20 x 125	25	18-415	pack/48	123.19	20	<b>98.55</b>
<b>3014-64</b>	Phenolic caps with rubber liners, autoclavable			18-415	case/1000	177.72	35	<b>115.52</b>


## Disposable Culture Tubes

Borosilicate glass. Packed in a convenient tray for ease of use. Plain neck finish. 

Item No.	Approx. O.D. mm	Approx. Length mm	Approx. Overflow Capacity mL	Approx. Inner Pack Qty	Qty	List Price	% Off List	Qty Break	Your Cost
<b>Durham Tubes</b>									
<b>3014-05</b>	6	50	1	500	case/1000	66.53	20	1-4 30 5+	<b>53.22</b> <b>46.57</b>
<b>Large Durham Tubes</b>									
<b>3014-08</b>	10	75	4	250	case/1000	38.60	35	1-4 42 5+	<b>25.09</b> <b>22.39</b>
<b>3014-30</b>	12	75	6	250	case/1000	43.80	35	1-4 42 5+	<b>28.47</b> <b>25.40</b>
<b>3014-10</b>	13	100	10	250	case/1000	58.20	39	1-4 46 5+	<b>35.50</b> <b>31.43</b>
<b>3014-12</b>	16	100	14	250	case/1000	93.30	37	1-4 44 5+	<b>58.78</b> <b>52.25</b>
<b>3014-15</b>	16	125	19	250	case/1000	109.00	38	1-4 45 5+	<b>67.58</b> <b>59.95</b>
<b>3014-20</b>	16	150	23	250	case/1000	115.70	35	1-4 46 5+	<b>75.21</b> <b>62.48</b>
<b>3014-23</b>	18	150	29	125	case/500	105.68	36	1-4 44 5+	<b>67.64</b> <b>59.18</b>
<b>3014-25</b>	20	150	36	250	case/500	176.12	43	1-4 50 5+	<b>100.39</b> <b>88.06</b>



## Disposable Culture Tubes, Screw Neck Finish (Kimble 73750)

Borosilicate glass. Screw caps must be ordered separately. 

Item No.	Approx. O.D. mm	Approx. Length mm	Overflow Capacity mL	Approx. GPI Thread Finish	Inner Pack Qty	Case Qty	List Price	% Off List	Your Cost
<b>3014-48</b>	13	100	8	13-415	500	1000	379.66	55	<b>170.85</b>
<b>3014-50</b>	16	150	20	15-415	250	1000	403.77	40	<b>242.26</b>
<b>3014-54</b>	20	150	30	18-415	250	500	320.77	45	<b>176.42</b>

FIND IT AT  
[WEBERSCIENTIFIC.COM](http://WEBERSCIENTIFIC.COM)



• Rubber  
Stoppers

### ACCESSORIES: FOR LABWARE



Cryoscope Tubes see page 83.  
Phosphatase Tubes see website.  
Test Tube Clamps see page 104.  
Test Tube Brush see page 195.

## Disposable Sterile Polystyrene Culture Tubes

Made of polystyrene for clarity. Precision molded and heavy wall thickness for durability. Round bottoms for easy sample removal.



Item No.	Size, mm / in. (approx.)	Volume mL (approx.)	Cap style	Qty	Qty Break	Your Cost
3013-61	12 X 75 / ½ X 3	5	Snap	1000, 40 bags of 25	1	<b>79.20</b>
					2+	<b>67.32</b>
3013-48	13 X 100 / ½ X 4	8	Screw	500, 20 bags of 25	1	<b>166.31</b>
					2+	<b>141.85</b>
3013-69	17 X 100 / .7 X 4	14	Snap	1000, 40 bags of 25	1	<b>172.00</b>
					2+	<b>146.20</b>
3013-76	16 X 120 / .6 X 5	15	Screw	750, 5 packs of 150	1	<b>272.08</b>
					2+	<b>231.27</b>
3013-65	16 X 125 / .6 X 5	19	Screw	500, 20 bags of 25	1	<b>159.84</b>
					2+	<b>136.34</b>



## Centrifuge Tubes

Conical 15mL and 50mL centrifuge tubes are made of premium polypropylene for clarity and centrifugal strength. They are supplied sterile, and although they are autoclavable, their polyethylene screw caps are not. Tubes and caps may be frozen at temperatures as low as -45°C. The maximum centrifugal force for both 15mL and 50mL tubes is 9000xg. Caps have a flat top surface for easy marking and labeling. Cap colors are available in blue or assorted.



Item No.	Mfr. Item No.	Description	Capacity	Packaging	Qty	Qty Break	Your Cost
3014-01	C2600	Blue Caps	15mL	50 sterile foam rack, 10 racks per case	Case/500	1	<b>72.18</b>
						2+	<b>62.15</b>
<b>NEW!</b> 3014-09	C2601	Blue Caps	15mL	25 sterile bag, 10 bags per case	Case/500	1	<b>70.56</b>
						2+	<b>60.76</b>
<b>NEW!</b> 3014-06	C2715	Multi-colored Caps	15mL	50 sterile foam rack, 10 racks per case	Case/500	1	<b>95.16</b>
						2+	<b>81.94</b>
<b>NEW!</b> 3014-13	C2716	Multi-colored Caps	15mL	25 tubes of each color per bag, 4 bags of each color per pack, 20 bags per case	Case/500	1	<b>83.87</b>
						2+	<b>72.22</b>
<b>NEW!</b> 3014-11	C2602	Blue Caps	50mL	25 sterile foam rack, 20 racks per case	Case/500	1	<b>85.48</b>
						2+	<b>73.61</b>
3014-02	C2603	Blue Caps	50mL	25 sterile bag, 10 bags per case	Case/500	1	<b>83.87</b>
						2+	<b>72.22</b>
<b>NEW!</b> 3014-07	C2750	Multi-colored Caps	50mL	25 sterile foam rack, 20 racks per case	Case/500	1	<b>104.84</b>
						2+	<b>90.28</b>
<b>NEW!</b> 3014-14	C2751	Multi-colored Caps	50mL	25 tubes of each color per bag, 4 bags of each color per pack, 20 bags per case	Case/500	1	<b>95.16</b>
						2+	<b>81.94</b>
3014-03	R1070	Rack for 30x 15mL tubes			Pack/5	1	<b>37.10</b>
						2+	<b>31.94</b>



## SureSeal Microcentrifuge Tubes

Microcentrifuge tubes are made of premium polypropylene plastic allowing for a crystal clear tube and centrifugal strength. They feature a secure-snap cap that ensures a strong seal and eliminates leakage and evaporation.

Capable of withstanding boiling temperatures up to 121°C and freezing down to -80°C. Microcentrifuge tubes are RNase, DNase & Pyrogen free.

Item No.	Mfr Item No.	Capacity (ml)	Qty	List Price	% Off List	Qty Break	Your Cost
3014-04	C2000	1.5	case/500	12.90	30	1-9	<b>9.03</b>
					40	10+	<b>7.74</b>



800-328-8378

### ACCESSORIES: FOR CENTRIFUGE AND CULTURE TUBES



Centrifuges see pages 22-23.  
Various Racks see pages 93-94

LABWARE

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## Disposable Screw Caps (Kimble 73800)

Autoclavable phenolic cap with cemented-in rubber liner. 1000 per case.

Item No.	GPI Thread Finish	List Price	% Off List	Your Cost
3014-58	13-415	136.99	35	89.04
3014-60	15-415	143.60	35	93.34
3014-64	18-415	177.72	35	115.52



## KIM-KAP® Disposable Closures (Kimble 73660)

Caps for plain neck tubes. Autoclavable polypropylene.

Item No.	Fits Tubes Dia.	Qty	List Price	% Off List	Your Cost
3014-40	13 mm	case/1000	79.55	10	71.60
3014-42	16 mm	case/1000	84.83	10	76.35
3014-44	18 mm	case/1000	95.31	10	85.78
3014-46	20 mm	case/500	81.48	10	73.33



## Disposable Caps

12 mm flange caps. Fits 13 X 100 mm plain neck culture tubes. Ideal for use with Charm® machines. Airtight, leakproof polyethylene. 1000 per case. White caps.

Item No.	List Price	% Off List	Qty Break	Your Cost
3014-36	29.02	50	1-9	14.51
		55	10+	13.06



## Broken Glass Disposal Box (Bel-Art Scienceware)

A disposable, highly visible receptacle that helps reduce injuries by providing a safe laboratory work area. Made of sturdy corrugated cardboard, the receptacle is supplied with a 2 mil thick polyethylene bag to contain broken glass fragments and spilled liquids. A pair of tabs keep the liner from slipping out of place. When box is full, the safety cap is pulled into place and the entire unit is ready for disposal. Ships flat, assembles in seconds. 12" X 12" X 27". Case of 6.



Item No.	List Price	% Off List	Your Cost
4334-30	91.05	20	72.84

## Cover for Glass Disposal Carton

- Opens with a single touch
- Reusable
- Dishwasher and autoclavable safe
- No batteries



Item No.	Mfr Item No.	List Price	% Off List	Your Cost
4334-31	13204-0001	30.65	20	24.52



## UV-Transparent Disposable Cuvettes (BrandTech Scientific)

Eliminate the need for cleaning, and the associated risk of sample carryover and cross-contamination. BRAND's UV-transparent, disposable cuvettes replace expensive, fragile quartz cuvettes and are excellent for DNA, RNA, and protein analysis between 230-900nm. Made from a proprietary polycyclical olefin, they can be used with most polar solvents, acids and alkaline solutions.



Filling Volume Min. / Max.: 2.5mL / 4.5mL  
Window Dimensions: 10 x 35 mm

Item No.	Mfr Item No.	Light Path, mm	Qty	List Price	% Off List	Your Cost
2013-80	759170	10	pack/100	83.96	18	68.85

## Spectrophotometer Cell

Manufactured from Spectrosil quartz for accurate readings over the entire UV range to near infrared range. Due to the fully heat-fused construction (no intermediate materials or adhesives) and careful annealing to remove any strain, there is no optical or physical distortion of the two optically polished windows. Cells fall well within the accepted pathlength standard of ±0.01mm. Cells exhibit a transmission tolerance within 1.5% at 200nm.



- Far UV Quartz
- Wavelength Range of 170-2700 nm
- Fully Heat-Fused Construction
- External dimensions: 12.5W x 12.5L x 45H mm
- Internal dimensions: 10W x 10L mm
- Sold individually

Item No.	Cover Type	Pathlength	Sample Volume	Your Cost
2011-71	Flat Lid	10 mm	3.5 mL	120.67



## PCR Reaction Tube Strips (Simport)

PCR Reaction Tube Strips are made of polypropylene with individually attached caps. The strip includes 8 integral 0.2 ml tubes with ultra-thin sidewalls and bottoms for more uniform and efficient temperature transfer.



Can be easily opened and closed with one hand, their positive sealing will fully protect the contents from evaporation during the whole thermal cycle. The cap has an integral seal preventing contamination with surface of lid.

While more easily handled than single tubes, the strip will precisely fit standard well spacing and can also be used with 8-channel hand-held pipettors. Packed in tamperproof resealable bags.



Item No.	Mfr Item No.	Capacity (ml)	Qty	Your Cost
3189-10	T320-2N	0.2	case/125	55.06

### Switch-Grid Test Tube Racks (Bel-Art Scienceware)

- More compact and less expensive than purchasing multiple racks
- Three tier rack holds tubes securely in place
- Rubber feet keep racks from sliding on benchtop, provide secure stacking while in storage
- Chemical resistant polyoxymethylene plastic rack frame and grids can be cleaned with mild detergent, autoclaved at 121°C (250°F)



1. Release the spring latch



2. Lift out the grid

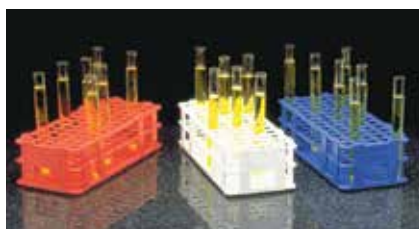


3. Insert alternate size grid

It's that easy!



Item No.	Description	Mfr Item No.	Holds Tubes	Full Rack Capacity	Qty	List Price	% Off List	Qty Break	Your Cost
<b>3195-24</b>	Rack with Orange Grids	F18745-0010	10-13 mm	84 (14 x 6)	each	21.45	20	1-2	<b>17.16</b>
							25	3+	<b>16.09</b>
<b>3195-25</b>	Rack with Blue Grids	F18745-0011	13-16 mm	60 (12 x 5)	each	21.45	20	1-2	<b>17.16</b>
							25	3+	<b>16.09</b>
<b>3195-26</b>	Rack with Green Grids	F18745-0012	16-20 mm	40 (10 x 4)	each	21.85	20	1-2	<b>17.48</b>
							25	3+	<b>16.39</b>
<b>3195-27</b>	Rack with Fuchsia Grids	F18745-0013	20-25 mm	24 (8 x 3)	each	21.85	20	1-2	<b>17.48</b>
							25	3+	<b>16.39</b>
<b>3195-28</b>	Rack with Yellow Grids	F18745-0014	25-30 mm	12 (6 x 2)	each	21.45	20	1-2	<b>17.16</b>
							25	3+	<b>16.09</b>
<b>3195-29</b>	Set of Grids, Orange	F18745-1300	10-13 mm		pack/4	5.55	20		<b>4.44</b>
<b>3195-30</b>	Set of Grids, Blue	F18745-1600	13-16 mm		pack/4	5.55	20		<b>4.44</b>
<b>3195-31</b>	Set of Grids, Green	F18745-2000	16-20 mm		pack/4	5.55	20		<b>4.44</b>
<b>3195-32</b>	Set of Grids, Fuchsia	F18745-2500	20-25 mm		pack/4	5.55	20		<b>4.44</b>
<b>3195-33</b>	Set of Grids, Yellow	F18745-3000	25-30 mm		pack/4	5.55	20		<b>4.44</b>

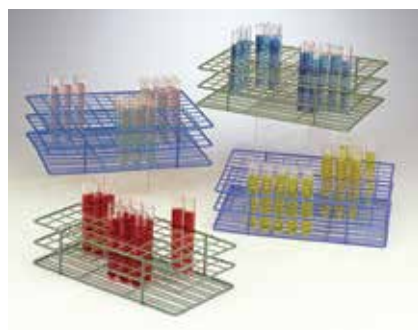


3014-84, 93, 87

### NoWire™ Culture Tube Racks (Bel-Art Scienceware F1874 range)

Autoclavable and submersible polypropylene. Stackable, color-coded. All racks are 9.7" X 4.1" X 2.5" high (246 X 104 X 64 mm). Shipped flat and assembles very easily. Available individually.

Item No.	Red	Blue	White	Fits Tubes Diameter	Places	Rows	List Price	% Off List	Your Cost
<b>3014-83</b>		<b>3014-86</b>	<b>3014-90</b>	13 mm	90	6 X 15	21.75	20	<b>17.40</b>
<b>3014-84</b>		<b>3014-87</b>	<b>3014-93</b>	16 mm	60	5 X 12	20.95	20	<b>16.76</b>
<b>3014-85</b>		<b>3014-88</b>	<b>3014-96</b>	20 mm	40	4 X 10	20.95	20	<b>16.76</b>



### Poxygrid® Wire Test Tube Racks (Bel-Art Scienceware 18750/764)

Epoxy coating is resistant to organic solvents, salts, weak acids and weak alkalis. Available colors help identify use or contents. Temperature range of -223°C (-369°F) to autoclaving at 121°C (250° F). Racks come with square holes, with three decks, a slotted grid bottom and reinforced edges for extra strength.

Item No.	Holds Tubes	Places	Rows	Color	Length X Width X Height	List Price	% Off List	Your Cost
<b>3195-10</b>	10-13 mm	72	6 X 12	Green	205 X 113 X 64mm (8 1/16 X 4 7/16 X 2 1/2")	39.80	20	<b>31.84</b>
<b>3195-12</b>	10-13 mm	72	6 X 12	Blue	205 X 113 X 64mm (8 1/16 X 4 7/16 X 2 1/2")	39.80	20	<b>31.84</b>
<b>3195-15</b>	15-16 mm	72	6 X 12	Blue	242 X 130 X 64mm (9 1/2 X 5 1/8 X 2 1/2")	36.85	20	<b>29.48</b>
<b>3195-17</b>	15-16 mm	72	6 X 12	Green	242 X 130 X 64mm (9 1/2 X 5 1/8 X 2 1/2")	36.50	20	<b>29.20</b>
<b>3195-20</b>	18-20 mm	80	8 X 10	Blue	243 X 203 X 83mm (9 9/16 X 8 X 3 1/4")	43.45	20	<b>34.76</b>
<b>3195-22</b>	18-20 mm	80	8 X 10	Green	243 X 203 X 83mm (9 9/16 X 8 X 3 1/4")	43.45	20	<b>34.76</b>

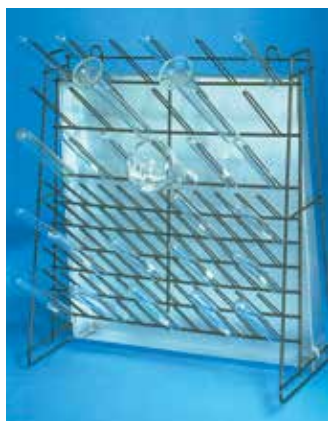


## Plastic Test Tube Racks, Wet/Dry (United Scientific)

Economical yet very durable racks that are submersible, autoclavable, and stackable when empty. Made from a special blend of polypropylene (PP) that makes them sink in a water bath and maintain their stability, even in agitated water. The top tier features an alphanumeric grid reference. Available in white.



Item No.	Mfr. Item No.	Tube Size	List Price	% Off List	Qty Break	Your Cost
3014-71	77901	13mm / 90 places	20.30	40	1-5	<b>12.18</b>
				50	6+	<b>10.15</b>
3014-72	77902	16mm / 60 places	20.30	40	1-5	<b>12.18</b>
				50	6+	<b>10.15</b>
3014-73	77903	20mm / 40 places	20.30	40	1-5	<b>12.18</b>
				50	6+	<b>10.15</b>
3014-75	77904	25mm / 24 places	20.30	40	1-5	<b>12.18</b>
				50	6+	<b>10.15</b>
3014-76	77905	30mm / 21 places	20.30	40	1-5	<b>12.18</b>
				50	6+	<b>10.15</b>



### Large Capacity Labware Drain Rack

Can be used standing up, lying down or mounted on a wall. Holds 90 pieces of labware on vinyl coated wire pins: 72 pins by 3" long and 18 pins by 5" long. With galvanized metal drainpan. 18 1/2" wide X 7 1/8" deep X 19" high.

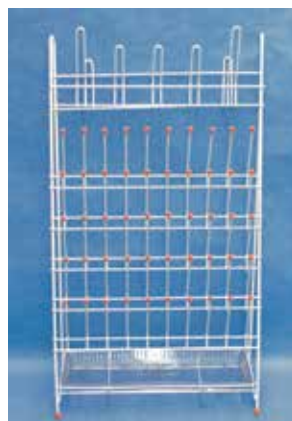
Item No.	List Price	% Off List	Your Cost
3311-28	172.86	35	<b>112.36</b>



### Poxygrid® Labware Drain Stand (Bel-Art Scienceware 18805)

Three rows of hairpin-loop supports (14 in all) hold labware with 18mm I.D. necks or larger. With polystyrene drip tray. May also be wall mounted. 16 3/4" X 6 1/2" X 19" (43 X 17 X 48 cm). Shipping weight 4 1/2 lbs. (2 kg).

Item No.	List Price	% Off List	Your Cost
3311-10	103.50	15	<b>87.98</b>



### Value Drying-Draining Rack

All-purpose rack is self-standing but can be wall mounted. Comes with a removable heavy acrylic drain pan 13" X 5" X 3/4" (330 X 127 X 19 mm). Holds 55 items on rubber tipped pins: 50 by 4" long, 2 pins by 4 3/8" long, and 3 pins by 3" long. Overall 14" wide X 5 1/2" deep X 26" high (355 X 140 X 660 mm).

Item No.	Your Cost
3311-15	<b>73.66</b>



### Drying-Draining Rack (United Scientific Supplies)

The plastic draining rack provides an excellent option for the post-wash draining of tubes and bottles. The back plate has 20 pegs to hold your tubes/bottles and a rack featuring a wastewater tray and drain. 20" H X 14" W X 3" D (508 x 356 x 76 mm)

Item No.	Your Cost
3311-30	<b>97.12</b>



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This is our way to say thank you - Again and again.



### Super Polyfoil™ Autoclaving Wrap (Bel-Art Scienceware)

Polyester backed foil provides a chemically inert barrier to cover vessels for autoclaving, incubating or storage. Resistant to punctures, tears and corrosion. Super Polyfoil™ is great for clinical, research and industrial uses. A thermoplastic layer is laminated to 1mil foil, which folds easily and flattens without kinking. The polyester film blocks any possible pinholes, resists organic solvents and caustic agents and complies with FDA regulations governing direct food contact application. 100 sheets per pack.



Item No.	Size	List Price	% Off List	Your Cost
3068-85	102 x 102mm (4" x 4")	34.65	20	27.72
3068-86	130 x 130mm (5 1/8" x 5 1/8")	44.95	20	35.96

### Aluminum Foil Squares

Interleaved with paper for easy separation. Use for weighing samples, capping labware for storage, autoclaving and many other uses.



Item No.	Size inches/mm	Thickness inches/mm	Qty	Your Cost
3068-90	4 X 4 / 102	1 mil 0.001 / 0.025	case/500	34.44
3068-91	6 X 6 / 152	1 mil 0.001 / 0.025	case/500	72.85
3068-92	8 X 8 / 203	1.5 mil 0.0015 / 0.04	case/500	125.89
3068-93	12 X 12 / 305	1.5 mil 0.0015 / 0.04	case/500	280.00

### Parafilm® Dispenser

Designed to offer superior protection from the blade while in use. Safety is especially important on this model, as it features a super sharp blade for easy cutting. The sturdy transparent acrylic housing allows monitoring of the film supply. Holds one or two 2" rolls or one 4" roll.



Item No.	List Price	% Off List	Your Cost
3068-70	122.95	30	86.07

### Parafilm® Sealing Film

Flexible, self-sealing sheet material commonly used to seal flasks, tubes, petri dishes, etc. Translucent, odorless, tasteless and with good chemical resistance. At 70°F it can be stretched 200% and will return partially to its original length. At 180 to 200°F it softens sufficiently to make an adhesive bond between papers, cloths, etc. Supplied in dispenser carton. 4" X 250' roll.



Item No.	Your Cost
3068-60	81.25

### Titrette® Bottletop Buret (BrandTech)

The only bottletop buret with Class A precision

Results appear in the LCD readout, which has an adjustable sleep mode. The display can be zeroed to start a new titration without refilling the cylinder. Display volume is retained during filling and displayed during startup so titrations can be continued from a previous run. SafetyPrime™ valve purges bubbles without wasting reagent. Unit includes the Easy Calibration™ system for accurate user adjustment within seconds without retesting. Made of fluorinated polymers and borosilicate glass. Standard 45 mm thread and included 38 mm, 33 mm and STJ 29.42 polypropylene adapters fit most reagent bottles. Lithium battery included. One-year warranty.

Item No.	Capacity, mL	Mfr Item No.	Accuracy, $\mu\text{L} \leq \pm\%$	Reproducibility, $\mu\text{L} \leq \pm\%$	Resolution mL	List Price	% Off List	Qty Break	Your Cost
2901-75	25	4760151	50 0.2	25 0.1	0.01	1025.00	20	1-2	820.00
							25	3+	768.75
2901-80	50	4760161	100 0.2	50 0.1	0.01	1025.00	20	1-2	820.00
							25	3+	768.75



### Polyethylene Buret Stand (Bel-Art Scienceware 18303)

Corrosion resistant base weighs 5 1/2 lbs. (2.5 kg) for stability and is 8" wide X 16" long X 1 3/4" thick. Rod is 1/2" X 30" long.

Item No.	List Price	% Off List	Your Cost
3064-60	100.55	10	90.50

### Polyethylene Double Buret Clamp (Bel-Art Scienceware 18206)

Non-corrosive clamp holds buret firmly in place by rubber pads and concealed steel spring.

Item No.	List Price	% Off List	Your Cost
3064-70	24.10	20	19.28

### Aluminum Double Buret Clamp

Die cast aluminum. Fits micro to 100 mL burets.

Item No.	List Price	% Off List	Your Cost
3064-75	37.00	15	31.45



## Graduated Beakers, Griffin (Nalgene 1201)

Polypropylene, translucent and autoclavable beakers are virtually unbreakable. Silk-screened graduations. Excellently designed for general laboratory use.

Item No.	Capacity mL	Subdivision mL	Qty	List Price	% Off List	Your Cost
2077-06	50	10	pack/12	75.48	50	<b>37.74</b>
2077-10	100	10	pack/12	92.29	50	<b>46.15</b>
2077-14	250	25	pack/6	82.48	50	<b>41.24</b>
2077-18	600	100	pack/4	102.89	50	<b>51.45</b>
2077-22	1000	100	pack/3	96.94	50	<b>48.47</b>



## Glass Beakers (Kimble 14000)

Griffin low form, with capacity scale. All beakers have easily read white scales to indicate approximate volumes for measuring and mixing solutions where high accuracy is not needed.

Item No.	Capacity mL	Interval Graduated mL	Subdivision mL	Qty	List Price	% Off List	Qty Break	Your Cost
2050-00	50	10 - 40	10	pack/12	47.91	25		<b>35.93</b>
2052-00	100	20 - 80	10	pack/12	49.84	20		<b>39.87</b>
2055-00	250	25 - 200	25	pack/12	47.71	25		<b>35.78</b>
2056-01	600	50 - 500	50	each			1-5 Multiples of 6	<b>6.97</b> <b>4.43</b>
2057-01	1000	50 - 950	50	each			1-5 Multiples of 6	<b>13.10</b> <b>8.31</b>
2057-06	2000	200-1800	200	each			1-3 Multiples of 4	<b>25.98</b> <b>16.49</b>



## Disposable Tri-Pour Graduated Beakers

Polypropylene plastic - tough, durable, non-breakable, unaffected by most commonly used acids, alkalis, and solvents. Single-use and cost-effective - designed for true disposability. Ideal for messy or toxic samples. Autoclavable - can withstand temperatures up to 121°C and may be used as sterility vessels. Tri-Pour Beakers have easy-to-read graduations that are accurate  $\pm 5\%$ . They are packaged nested in sleeves to save storage space.



**compare & save**

Item No.	Size mL	Grad. mL / oz.	Qty	List Price	% Off List	Qty Break	Your Cost
2079-46	50	5 / 0.5	case/100	21.38	30	1-4 35 5+	<b>14.97</b> <b>13.90</b>
2079-48	100	10 / 0.5	case/100	24.76	30	1-4 35 5+	<b>17.33</b> <b>16.09</b>
2079-50	250	10 / 1.0	case/100	36.26	30	1-4 35 5+	<b>25.38</b> <b>23.57</b>
2079-52	400	20 / 1.0	case/100	50.81	30	1-4 35 5+	<b>35.57</b> <b>33.03</b>
2079-54	800	50 / 2.0	case/100	72.12	30	1-4 35 5+	<b>50.48</b> <b>46.88</b>
2079-56	1000	50 / 2.0	case/100	90.67	30	1-4 35 5+	<b>63.47</b> <b>58.94</b>

## Disposable Micro Beakers

Polystyrene. Super economical general purpose sample containers. Withstands temperatures to 200°F./93°C. Offers excellent chemical resistance to dilute or weak acids, aqueous solutions, alcohols and bases. Four-way pour spouts.



**compare & save**

Item No.	Size	Qty	List Price	% Off List	Qty Break	Your Cost
2079-30	5 mL	case/1000	81.78	60	1-2 65 3+	<b>32.71</b> <b>28.62</b>
2079-35	10 mL	case/1000	97.33	60	1-2 65 3+	<b>38.93</b> <b>34.07</b>
2079-40	20 mL	case/500	89.33	60	1-2 65 3+	<b>35.73</b> <b>31.27</b>
2079-45	50 mL	case/500	140.90	70	1-2 75 3+	<b>42.27</b> <b>35.23</b>



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### Disposable Funnels (Globe Scientific)

These economical disposable funnels are available in either transparent polystyrene or translucent polypropylene. They are lightweight, have reinforced rims and inside fluting. They are tapered at a 60° angle.

- Available in 55mm and 65mm widths
- Available in Polystyrene (PS) and Polypropylene (PP)



Item No.	Mfr Item No.	Description	Diameter	Qty	List Price	% Off List	Qty Break	Your Cost
2079-81	8301	Polystyrene Funnel	55 mm	Pack/100	36.95	30	1	<b>25.87</b>
							40	<b>22.17</b>
2079-82	8303	Polypropylene Funnel	55 mm	Pack/100	36.95	30	1	<b>25.87</b>
							40	<b>22.17</b>
2079-83	8302	Polystyrene Funnel	65 mm	Pack/100	36.95	30	1	<b>25.87</b>
							40	<b>22.17</b>
2079-84	8304	Polypropylene Funnel	65 mm	Pack/100	36.95	30	1	<b>25.87</b>
							40	<b>22.17</b>

### Eco-smartFunnel™



#### Eco Friendly Paper Laboratory Funnels

Specifications:

- Environmentally friendly paper product that will naturally biodegrade in the standard municipal waste stream
- Made of FDA food grade clay coated heavy grade paper
- Uses FSC® Certified paper
- Innovative “backrest” allows hands-free use when pouring viscous liquids
- Maximum flexibility - cut stem to any desired opening size or shape
- Apply a minimum of pressure and the funnel will stay in position
- Use with virtually any liquid or powder \*



\*not recommended for hot liquids.

Item No.	Mfr. Item No.	Description	Qty	Qty Break	Your Cost
2079-80	19630	Paper Laboratory Funnels	Pk/25	1-2	<b>19.00</b>
				3+	<b>15.00</b>

### Funnels, Heavy Duty (Bel-Art Scienceware)

Sturdy polypropylene funnels with ridges are ideal for general lab use or vacuum filtration.

Item No.	Top Diameter mm/inches	Stem Length mm	Capacity mL	Qty	List Price	% Off List	Your Cost
2079-57	102/4	45	180	pack /6	67.65	20	<b>54.12</b>
2079-62	152/6	80	480	pack /3	39.85	20	<b>31.88</b>

### General Purpose Polypropylene Funnels

Good value for general use laboratory funnels.

Item No.	Diameter	Description	Qty	List Price	% Off List	Qty Break	Your Cost
2079-70	100mm / 4"	100mm / 4" standard stem length	Pack/6	29.29	30	1-2	<b>20.50</b>
						50	<b>14.65</b>
2079-72	150mm / 6"	150mm / 6" standard stem length	Pack/6	38.82	30	1-2	<b>27.17</b>
						50	<b>19.41</b>
2079-74	85 mm / 3.3"	Short stem	Pack/12	47.07	30	1-2	<b>32.95</b>
						50	<b>23.54</b>
2079-76	125 mm / 5"	Short stem	Pack/12	58.49	30	1-2	<b>40.94</b>
						50	<b>29.25</b>
2079-78	65mm / 2.5"	with 8 external ribs	Pack/12	21.68	30	1-2	<b>15.18</b>
						50	<b>10.84</b>

### Paper Cup (Solo 44)

Useful for microwaving and many other lab procedures

- 3 oz. approx. capacity
- Compostable in a commercial compost facility (meets ASTM D6868 standard)
- Plain white

Item No.	Qty	Qty Break	Your Cost
3152-00	Pack of 100	1-49	<b>6.00</b>
		multiples of 50	<b>4.87</b>



### White Plastic Cup, 3.5 oz.

New improved emboss fluted rib sidewall provides consistent wall thickness, prevents cracking.

Item No.	Mfr. Item No.	Qty	Your Cost
3152-05	TID 9241	Case/1000	<b>36.64</b>





2057-20 / 2057-25 / 2057-30 / 2057-32 / 2057-34

### Graduated Pitchers (Bel-Art Scienceware 28990-92)

Shatterproof and chemical resistant polypropylene. Metric graduations are molded on outside wall. Autoclavable.

Item No.	Capacity mL	Grad. mL	Top I.D.	Height	List Price	% Off List	Your Cost
2057-20	500	10	3.2" (81mm)	5.3" (135 mm)	6.20	20	<b>4.96</b>
2057-25	1000	50	4.1" (104mm)	6.7" (167 mm)	8.80	20	<b>7.04</b>
2057-30	2000	100	5.3" (132mm)	8.1" (205 mm)	9.95	20	<b>7.96</b>
2057-32	5000	100	7" (178mm)	10.8" (271 mm)	31.70	20	<b>25.36</b>
2057-34	10000	200	10.6" (269mm)	12.8" (325mm)	91.30	20	<b>73.04</b>

5 and 10-liter sizes have a hand grip at the base to provide better control when pouring



2057-40

### Economy Graduated Pitchers



Autoclavable polypropylene. Raised graduations.

Item No.	Capacity mL	Grad. mL	Top I.D.	Height	List Price	% Off List	Qty Break	Your Cost
2057-40	250	10	3.3" (83 mm)	3.9" (99 mm)	5.34	30	1-11	<b>3.74</b>
							50 12+	<b>2.67</b>
2057-43	500	10	3.8" (97 mm)	5" (126 mm)	5.56	30	1-11	<b>3.89</b>
							50 12+	<b>2.78</b>
2057-45	1000	10	4.5" (114 mm)	6.7" (170 mm)	5.65	30	1-5	<b>3.96</b>
							50 6+	<b>2.83</b>
2057-49	2000	20	5.9" (150 mm)	8.3" (212 mm)	8.14	30	1-5	<b>5.70</b>
							50 6+	<b>4.07</b>
2057-51	5000	250	7.2" (184 mm)	8.9" (225 mm)	35.50	30	1-5	<b>24.85</b>
							50 6+	<b>17.75</b>



2057-75

### Glass Beaker Starter Pack (Kimble 14080-01)

One each of five popular sizes: 50, 100, 250, 600 and 1,000 mL.

Item No.	List Price	% Off List	Your Cost
2057-75	33.40	25	<b>25.05</b>



### Wide Mouth Polyethylene Reagent Bottles (United Scientific)

High density polyethylene bottles are translucent, flexible, and have excellent strength. These bottles can not be autoclaved.

Item No.	Mfr Item No.	Capacity (ml)	Height (mm)	Neck Dia.		Qty	List Price	% Off List	Qty Break	Your Cost
				I.D./O.D. (mm)	Cap Size (mm)					
2075-55	33407	125	100	28	38	pack/12	29.11	35	1-5	<b>18.92</b>
									48 6+	<b>15.14</b>
2075-60	33408	250	137	33	43	pack/12	39.23	35	1-5	<b>25.50</b>
									48 6+	<b>20.40</b>
2075-65	33409	500	149	43	53	pack/12	56.05	35	1-5	<b>36.43</b>
									48 6+	<b>29.15</b>



**Narrow Mouth Polyethylene Reagent Bottles (United Scientific)**

High density polyethylene bottles are translucent, flexible, and have excellent strength. These bottles can not be autoclaved.

Item No.	Mfr Item No.	Capacity (ml)	Height (mm)	Neck Dia. I.D. (mm)	Cap Size (mm)	Qty	List Price	% Off List	Qty Break	Your Cost
2075-29	33401	60	72	14	20	pack/12	18.77	35	1-5	12.20
								48	6+	9.76
2075-30	33402	125	100	18	24	pack/12	25.61	35	1-5	16.65
								48	6+	13.32
2075-35	33403	250	135	18	24	pack/12	30.29	35	1-5	19.69
								48	6+	15.75
2075-40	33404	500	170	21	28	pack/12	41.28	35	1-5	26.83
								48	6+	21.47



**Wide Mouth Polypropylene Reagent Bottles (United Scientific)**

Polypropylene bottles are rigid, translucent, have excellent contact clarity, and can be autoclaved.

Item No.	Mfr Item No.	Capacity (ml)	Height (mm)	Neck Dia. I.D. (mm)	Cap Size (mm)	Qty	List Price	% Off List	Qty Break	Your Cost
2075-08	33311	30	62	21	28	pack/12	26.53	35	1-5	17.24
								48	6+	13.80
2075-09	33306	60	73	21	28	pack/12	26.54	35	1-5	17.25
								48	6+	13.80
2075-10	33307	125	100	28	38	pack/12	41.75	35	1-5	27.14
								48	6+	21.71
2075-11	33308	250	137	33	43	pack/12	60.14	35	1-5	39.09
								48	6+	31.27
2075-12	33309	500	149	43	53	pack/12	82.70	35	1-5	53.76
								48	6+	43.00
2075-13	33310	1000	218	53	63	pack/6	83.53	35	1-5	54.29
								48	6+	43.44



**Narrow Mouth Polypropylene Reagent Bottles (United Scientific)**

Polypropylene bottles are rigid, translucent, have excellent contact clarity, and can be autoclaved.

Item No.	Mfr Item No.	Capacity (ml)	Height (mm)	Neck Dia. I.D. (mm)	Cap Size (mm)	Qty	List Price	% Off List	Qty Break	Your Cost
2075-01	33253	15	58	14	20	pack/12	18.72	35	1-5	12.17
								48	6+	9.73
2075-02	33254	30	62	14	20	pack/12	26.36	35	1-5	17.13
								48	6+	13.71
2075-03	33301	60	72	14	20	pack/12	28.42	35	1-5	18.47
								48	6+	14.78
2075-04	33302	125	110	18	24	pack/12	43.99	35	1-5	28.59
								48	6+	22.87
2075-05	33303	250	139	18	24	pack/12	59.32	35	1-5	38.56
								48	6+	30.85
2075-06	33304	500	165	21	28	pack/12	82.70	35	1-5	53.76
								48	6+	43.00
2075-07	33305	1000	222	21	28	pack/6	82.72	35	1-5	53.77
								48	6+	43.01





## Narrow Mouth Polyethylene Reagent Bottles, Bulk Pack

(United Scientific)

Leak-proof narrow mouth bottles constructed of High-Density Polyethylene (HDPE), with Polypropylene (PP) closure. These bottles can not be autoclaved. A great value!

Item No.	Mfr Item No.	Capacity (ml)	Qty	List Price	% Off List	Qty Break	Your Cost
2075-87	33402-BULK	125	case/500	890.15	35	1	<b>578.60</b>
					48	2+	<b>462.88</b>
2075-88	33403-BULK	250	case/250	343.59	35	1	<b>223.33</b>
					48	2+	<b>178.67</b>
2075-89	33404-BULK	500	case/125	218.24	35	1	<b>141.86</b>
					48	2+	<b>113.48</b>



2074-06

## Media Storage Bottles (Kimble)

Popular general use bottles have permanent white enamel graduations and marking spots and are provided with a wide opening (about 30 mm ID). Polypropylene linerless cap provides a flexible secure seal and the polypropylene drip-free pouring ring also protects the rim of the bottle. All bottles, caps and pour-rings can be autoclaved repeatedly. Available in a case of 10.

Item No.	Size mL	Grad. mL	Div. mL	Apprx. OD in/mm	Apprx. Height in/mm	Cap Color	List Price	% Off List	Your Cost
2074-02	100	20-80	10	2.2/56	3.9/100	blue	93.37	25	<b>70.03</b>
2074-03	250	50-200	25	2.8/70	5.4/138	blue	102.78	25	<b>77.09</b>
2074-06	500	100-400	50	3.4/86	6.9/176	blue	122.87	25	<b>92.15</b>
2074-09	1000	100-900	50	4.0/101	8.9/225	blue	149.42	25	<b>112.07</b>



2074-45 / 2074-47

### Replacement Parts

Item No.	Description	Qty	List Price	% Off List	Your Cost
2074-45	blue caps	pack/10	35.54	18	<b>29.14</b>
2074-46	white caps	pack/10	35.64	18	<b>29.22</b>
2074-47	orange caps	pack/10	35.64	18	<b>29.22</b>
2074-65	pouring rings	each			<b>1.26</b>

## Wash Bottles, Wide Mouth (Bel-Art Scienceware)

*Color-coded to help organize your lab*

Low-density polyethylene wash bottles with color-coded polypropylene closures for easy identification and wide mouths for easy filling. Five closure colors to choose from. 500 mL (16 oz.) capacity. Available pack of 6.



2076-12, 15, 18, 21

Item No.	Cap Color	List Price	% Off List	Your Cost
2076-12	Red	34.85	20	<b>27.88</b>
2076-15	Yellow	34.85	20	<b>27.88</b>
2076-18	Blue	34.85	20	<b>27.88</b>
2076-21	Green	34.85	20	<b>27.88</b>

## Wash Bottles, Wide Mouth (Bel-Art Scienceware)

Low-density polyethylene wash bottles with wide mouths for easy filling.

Item No.	Capacity mL/oz.	Qty	List Price	% Off List	Your Cost
2076-03	250/8	pack/12	55.65	20	<b>44.52</b>
2076-06	500/16	pack/6	32.95	20	<b>26.36</b>
2076-09	1000/32	pack/3	25.35	20	<b>20.28</b>

### ACCESSORIES: FOR LABWARE



Sample Bottles see pages 99, 154-157, 246.  
BOD Bottles see page 242.  
Dilution Bottles see page 45.



2075 range



2079-08



4410-03, 06



4410-09, 12, 15

### Safety Labeled Wash Bottles, Wide Mouth

#### Informative labeling for instant recognition

These color-coded bottles ensure leak proof dispensing of your most common chemicals in the laboratory. Polypropylene closure is 53mm wide with a leakproof design. Easy to read, LDPE solvent resistant printed bottles include: Department of Transportation (DOT), National Fire Protection Association (NFPA) codes and symbols, Chemical Abstract Service (CAS) numbers, protective equipment symbols and target organ information making your workplace a safer place.

The vented bottles, used for solvents, have a patented 2-piece venting assembly that prevents pressure build-up, eliminating drips from the spout due to internal evaporation. 500 mL (16 oz.) capacity.

Item No.	Label	Vented	Qty	List Price	% Off List	Qty Break	Your Cost
2075-75	Acetone	yes	pack/3	29.50	18	1-2	<b>24.19</b>
					22	3+	<b>23.01</b>
2075-76	Acetone	no	pack/6	41.75	18	1-2	<b>34.24</b>
					22	3+	<b>32.57</b>
2075-77	Ethanol	yes	pack/3	31.20	18	1-2	<b>25.58</b>
					22	3+	<b>24.34</b>
2075-78	Ethanol	no	pack/6	41.75	18	1-2	<b>34.24</b>
					22	3+	<b>32.57</b>
2075-80	Isopropanol	no	pack/6	41.75	18	1-2	<b>34.24</b>
					22	3+	<b>32.57</b>
2075-71	Isopropanol	yes	pack/5	37.81	25	1	<b>28.36</b>
					30	2+	<b>26.47</b>
2075-82	Methanol	yes	pack/3	31.20	18	1-2	<b>25.58</b>
					22	3+	<b>24.34</b>
2075-83	Methanol	no	pack/6	41.75	18	1-2	<b>34.24</b>
					22	3+	<b>32.57</b>
2075-84	Sodium Hypochlorite (bleach)	no	pack/6	41.75	18	1-2	<b>34.24</b>
					22	3+	<b>32.57</b>
2075-85	Water	no	pack/6	41.75	18	1-2	<b>34.24</b>
					22	3+	<b>32.57</b>
2075-86	DI Water	no	pack/6	41.75	18	1-2	<b>34.24</b>
					22	3+	<b>32.57</b>
2075-81	LYOB	no	pack/6	41.75	18	1-2	<b>34.24</b>
					22	3+	<b>32.57</b>

### Wash Bottles, Volume Labeled

Standard polyethylene with leak-proof spout. Size of bottle is printed on side. Available pack of 12.

Item No.	Capacity mL	Grad. mL	List Price	% Off List	Your Cost
2079-08	500	50-500	72.59	30	<b>50.81</b>

### Wash Bottles, Unitary

Translucent and unbreakable low density polyethylene, with a built-in delivery tube making it a one-piece wash bottle. Available as a pack of 12.

Item No.	Capacity	Graduated Interval	List Price	% Off List	Qty Break	Your Cost
4410-03	250 mL	50 mL	54.96	40	1-2	<b>32.98</b>
				49	3+	<b>28.03</b>
4410-06	500 mL	100 mL	66.54	40	1-2	<b>39.92</b>
				49	3+	<b>33.94</b>

### Economy Wash Bottles

Translucent and unbreakable low density polyethylene.

Item No.	Capacity	Qty	List Price	% Off List	Qty Break	Your Cost
4410-09	250 mL	pack/12	23.03	40	1-2	<b>13.82</b>
				50	3+	<b>11.52</b>
4410-12	500 mL	pack/6	15.73	40	1-2	<b>9.44</b>
				50	3+	<b>7.87</b>
4410-15	1000 mL	pack/6	25.87	40	1-2	<b>15.52</b>
				50	3+	<b>12.94</b>

### Wash Bottle Carrier (Bel-Art Scienceware)

6 place. Fits 250 or 500 mL (8 or 16 oz) bottles. Autoclavable and chemical resistant polypropylene.



Item No.	Mfr Item No.	List Price	% Off List	Your Cost
2074-40	11640-0001	45.40	20	<b>36.32</b>

### Utility Carrier

Perfect for Carrying Sampling Supplies Around Your Plant



Item No.	Size inches/mm	Description	Your Cost
4380-26	14 1/2 X 9 1/8 X 4 / 368 X 232 X 102	High density polyethylene.	<b>15.24</b>



## LABeler™ Lab Printer (MTC Bio)

- Lightweight, handheld operation
- Variety of label tapes for many tube sizes
- Built-in cutter
- Prints a variety of barcodes
- "Ultra-Low" tapes for liquid nitrogen storage

Whether you're labeling cryo tubes, tissue cassettes, slides, flasks, you name it, the LABeler™ Lab Printer has you covered. Simply type in the desired copy using the 50+ button key pad and press the print key... within seconds your label can be cut by pressing the cut lever and is then ready for application.

With over 15 available sizes, colors & material combinations, the LABeler is ideal for label identification of any laboratory vessel for nearly any laboratory application. Standard label tapes can be autoclaved, boiled or even frozen to temperatures as low as -50°C. Special Ultra-Low label tapes are also available for storage in -80°C environments or for liquid nitrogen applications.



Item No.	Description	Tape Color	List Price	% Off List	Qty Break	Your Cost
<b>3117-35</b>	LABeler™ Lab Printer with 115V Power Supply		159.95	20		<b>127.96</b>
				30	2+	<b>111.97</b>
<b>3117-36</b>	LABeler™ Lab Printer WITHOUT Power Supply, 6-AA Batteries Required		119.00	20		<b>95.20</b>
				30	2+	<b>83.30</b>
<b>3117-37</b>	Power Supply, for LABeler™ Printer		41.49	20		<b>33.19</b>
<b>3117-38</b>	26' Long Label Tape, 6mm Wide	White with Black Print	21.00	15		<b>17.85</b>
<b>3117-39</b>	26' Long Label Tape, 6mm Wide,	Clear with Black Print	26.00	15		<b>22.10</b>
<b>3117-40</b>	26' Long Label Tape, 12mm Wide	White with Black Print	23.50	15		<b>19.98</b>
<b>3117-41</b>	26' Long Label Tape, 12mm Wide	Clear with Black Print	29.75	15		<b>25.29</b>
<b>3117-42</b>	26' Long Label Tape,, 12mm Wide	Yellow with Black Print	23.50	15		<b>19.98</b>
<b>3117-43</b>	26' Long Label Tape, 12mm Wide	Red with White Print	23.50	15		<b>19.98</b>
<b>3117-44</b>	26' Long Label Tape, 12mm Wide	Blue with White Print	23.50	15		<b>19.98</b>
<b>3117-45</b>	26' Long Label Tape, 12mm Wide	Green with White Print	23.50	15		<b>19.98</b>
<b>3117-46</b>	26' Long Label Tape, 24mm Wide	White with Black Print	29.75	15		<b>25.29</b>
<b>3117-47</b>	26' Long Label Tape, 24mm Wide	Clear with Black Print	38.00	15		<b>32.30</b>
<b>3117-48</b>	20' Long Label Tape, ULTRA LOW TEMP, 12mm Wide	White with Black Print	26.00	15		<b>22.10</b>
<b>3117-49</b>	20' Long Label Tape, ULTRA LOW TEMP, 24mm Wide	White with Black Print	38.00	15		<b>32.30</b>



## Write-On™ Label Tape Dispenser (Bel-Art Scienceware)

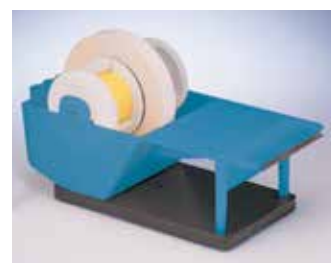
Make your own stick-on labels. Multiple colors and widths of labeling tape are readily positioned on a platform that provides a smooth surface for writing on each tape. A variety of labeling tape widths from 12-25mm (1/2 - 1") can be mixed together on the spindles which can accommodate 5 or more narrow rolls 12-19mm (1/2 - 3/4") or 4 wider rolls 25mm (1"). The spindles are easily removed from the unit for loading and unloading tape and can be adjusted to hold either 25 or 75mm (1 or 3") core diameter rolls. Included with each dispenser are three plastic separating discs, which when placed between the rolls assure smooth, snag free dispensing for up to four rolls of tape. Molded-in pen holder wells on the dispenser help to keep writing instruments handy.

Two models are available:

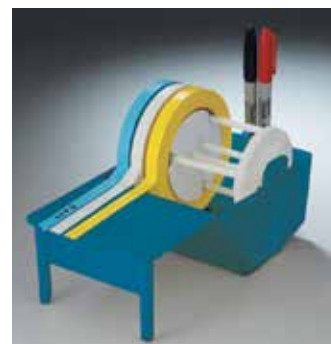
The Benchtop model has a plastic coated, weighted steel base with rubber feet to prevent slipping on the benchtop when pulling the labeling tape. The serrated cutting edge is steel for long term use. Includes one free roll of 1/2", white tape.

The Economy model is designed for lighter duty use as the plastic cutting edge is molded into the housing. There are a series of mounting holes in the unit for secure attachment with screws (not supplied) to the benchtop. For a space saving alternative, this dispenser can also be attached to many vertical surfaces. Includes one free roll of 1/2" white tape.

Item No.	Mfr Item No.	Description	Size	List Price	% Off List	Your Cost
<b>3117-05</b>	F134720000	Benchtop Model	302 x 143 x 121 mm H (12 x 55/8 x 43/4" H)	133.05	20	<b>106.44</b>
<b>3117-09</b>	F134730000	Economy Model	302 x 143 x 106 mm H (12 x 55/8 x 43/16" H)	41.35	20	<b>33.08</b>



3117-05



3117-09



### Write-On™ Label Tape (Bel-Art Scienceware)

Adheres to any clean surface, including Teflon® fluoropolymer resin coated materials, and peels off without leaving a sticky residue. Pencil, ball-point pen or solvent ink marker remains legible under the most demanding laboratory conditions. The tape consists of colored Kraft paper with rubber resin adhesive that resists moisture and most solvents. The tape will withstand broad temperature and environmental extremes; from a maximum temperature of 157°C (315°F) for 30 minutes or a stream autoclaving cycle at 121°C (250°F) down to -80°C (-112°F). All rolls fit on standard 76mm (3") cores. Each roll is 40 yards long.

Item No.	Mfr Item No.	Size	Color	List Price	% Off List	Qty Break	Your Cost
3015-82	134830050	12.7mm (1/2")	white	10.86	15	1-9	9.23
					20	10+	8.69
3015-84	134830075	19.0mm (3/4")	white	14.43	15	1-9	12.27
					20	10+	11.54
3015-86	134830100	25.4mm (1")	white	18.05	15	1-9	15.34
					20	10+	14.44
3117-10	134840050	12.7mm (1/2")	red	10.86	15	1-9	9.23
					20	10+	8.69
3117-12	134840075	19.0mm (3/4")	red	14.43	15	1-9	12.27
					20	10+	11.54
3117-14	134840100	25.4mm (1")	red	18.05	15	1-9	15.34
					20	10+	14.44
3117-16	134850050	12.7mm (1/2")	yellow	10.86	15	1-9	9.23
					20	10+	8.69
3117-18	134850075	19.0mm (3/4")	yellow	14.43	15	1-9	12.27
					20	10+	11.54
3117-20	134850100	25.4mm (1")	yellow	18.05	15	1-9	15.34
					20	10+	14.44
3117-22	134860050	12.7mm (1/2")	green	10.86	15	1-9	9.23
					20	10+	8.69
3117-24	134860075	19.0mm (3/4")	green	14.43	15	1-9	12.27
					20	10+	11.54
3117-26	134860100	25.4mm (1")	green	18.05	15	1-9	15.34
					20	10+	14.44
3117-28	134870050	12.7mm (1/2")	blue	10.86	15	1-9	9.23
					20	10+	8.69
3117-30	134870075	19.0mm (3/4")	blue	14.43	15	1-9	12.27
					20	10+	11.54
3117-32	134870100	25.4mm (1")	blue	18.05	15	1-9	15.34
					20	10+	14.44



### Wax Pencils

Still a lab favorite! For writing on glass, porcelain, metal or any other slippery surface. Non-run wax is heat resistant up to 400°F. Marker is color coded to match the lead. By pulling the string, paper can be unrolled for easy "sharpening". Pack of 12.

Item No.	Color	Your Cost
3015-74	white	10.90
3015-75	red	10.90
3015-77	black	10.90

### Engraving Tool (Bel-Art Scienceware)

#### Permanently engraves in seconds

Economical battery powered tool engraves most materials including glass, plastic, wood, metal and stone. Includes two tips. Uses 2 AA batteries (not included).

Item No.	Mfr Item No.	Description	List Price	% Off List	Your Cost
3015-91	44150-0005	Engraving tool	24.90	20	19.92
3015-92	44150-0015	Stand	14.00	15	11.90



### Diamond Point Lab Pen

Permanently scratch serial numbers onto your pipettors. Retractable tip allows safe storage. Sharp diamond etches glass, ceramic, and plastic.

Item No.	Your Cost
3015-90	20.30



### Super Tough Laboratory Labels (Diversified Biotech)

All-purpose Cryo-Tags™ withstands conventional and cryogenic storage (vapor & liquid phase nitrogen storage) to -196°C. The labels will also withstand boiling water baths to 100°C and dry heat up to 150°C. Polyolefin labels adhere to all plastics, glass & metals and resist detergents, oils, solvents, caustic agents and other challenges without peeling or falling off. Available on a roll of 1000.

Item No.	Size	Your Cost
3015-94	1.28 x .5 (33x13)	30.00
3015-96	1.5 x .75 (38x19)	30.00





## Sharpie® Laboratory Markers

Choose from retractable or capped style

Multi-purpose pen writes on virtually any surface. Durable tips won't soften or spread. Pack of 12.

Item No.	Tip Size	Tip Style	Color Ink	Qty Break	Your Cost
3015-46	ultra-fine	capped	black	1-3	<b>12.56</b>
				4+	<b>11.41</b>
5159-01	ultra-fine	retractable	black	1-3	<b>30.00</b>
				4+	<b>27.13</b>
3015-48	ultra-fine	capped	blue	1-3	<b>12.56</b>
				4+	<b>11.41</b>
5159-02	ultra-fine	retractable	blue	1-3	<b>30.00</b>
				4+	<b>27.13</b>
3015-50	ultra-fine	capped	red	1-3	<b>12.56</b>
				4+	<b>11.41</b>
5159-03	ultra-fine	retractable	red	1-3	<b>30.00</b>
				4+	<b>27.13</b>
3015-61	fine	capped	black	1-3	<b>9.90</b>
				4+	<b>9.06</b>
5159-04	fine	retractable	black	1-3	<b>30.00</b>
				4+	<b>27.13</b>
3015-63	fine	capped	blue	1-3	<b>9.90</b>
				4+	<b>9.06</b>
5159-05	fine	retractable	blue	1-3	<b>30.00</b>
				4+	<b>27.13</b>
3015-67	fine	capped	red	1-3	<b>9.90</b>
				4+	<b>9.06</b>
5159-06	fine	retractable	red	1-3	<b>30.00</b>
				4+	<b>27.13</b>

## Captor™ Pen Holder (Bel-Art Scienceware 13373)

Install wherever a Sharpie® or other marker is needed, e.g. incubator, storeroom or freezer. Uncap and recap the pen with one hand. Easily attached to any smooth surface with the adhesive backed press-fit re-closable fastener provided, or permanently with screws. The pen cap must have a pocket clip for attachment to the pen holder well. Size: 1" x 1" x 2" H (25 x 25 x 51 mm).



Item No.	Qty	List Price	% Off List	Your Cost
3015-73	each	7.35	20	<b>5.88</b>

## Sharpie® Industrial Strength Laboratory Markers

Ink stays permanent under most chemical washes and extreme heat or steam up to 500°F. Pk of 12.

Item No.	Tip Size	Color Ink	Your Cost
3015-70	bullet	black	<b>10.75</b>



## UV Pen (Sper Scientific 330005)

Solid-state LED technology offers a low cost and portable source of UV light built into a slim attractive pen. The 400 nm output is just on the edge of the visible light spectrum, low enough to cause fluorescence yet inherently safer than lower UV wavelengths. Includes four LR41 button cell batteries. Replacement #3045-42. Immediate output, no warm up time. Weight: 1 oz. (30 g) with batteries; Size: 3/8" x 5" (10mm x 135mm).



Item No.	List Price	% Off List	Your Cost
3432-15	20.00	20	<b>16.00</b>



## Spatula and Spoon Set

Seven instruments made of stainless steel unless noted. Useful for general weighing, mixing, scraping and spreading of materials:

- wooden handle spatula with 4" (102 mm) blade
- tweezers (7"/180 mm)
- spatula with flat and bent ends (7"/180 mm)
- spatula with flat and spoon ends (6"/152 mm)
- lab scoop (6 1/2"/165mm)
- micro spatula flat and spoon ends (6 1/4"/159 mm)
- micro spatula flat and scoop ends (7 1/4"/184 mm)

Item No.	List Price	% Off List	Your Cost
4411-30	39.56	50	<b>19.78</b>

## Lab Tool Kit

Handy and economical assortment of commonly used lab tools: test tube brush; spatula, crucible tongs, test tube clamp, lab scoop and forceps.



Item No.	List Price	% Off List	Your Cost
4411-20	30.25	50	<b>15.13</b>

### ACCESSORIES:



Other UV Light see page 246.  
Disposable Spatulas see page 171.

### Butane Laboratory Burner

This Laboratory Burner is small, compact, and portable. It eliminates the need for external fuel tanks, costly piping or unsightly hoses. Being self-contained, it is easily moved to any location and can be conveniently stored in a small space. It delivers temperatures up to 3000°F for up to 5.5 hours from a single disposable butane fuel container. No HAZMAT charge with ORM-D label.



Item No.	Mfr Item No.	Description	Qty Break	Your Cost
3430-25	65	Butane Laboratory Burner with Fuel container		43.64
3430-26	65F	Replacement Fuel container	1-11 12+	10.00 8.64



### Mortar and Pestle Set

Oversized pestle provides a comfortable grip when grinding.

- Mortar with lip is glazed outside
- Pestle is glazed except for the grinding surface



Capacity:	135 mL
Outside Dimension:	90 mm (3.5")
Pestle Length:	157 mm (6")

Item No.	Description	Your Cost
3061-91	Mortar and Pestle	55.00



### Hand Held Magnifiers

An excellent value. High quality lenses with chrome plated frame. Balanced with a long black handle.

Item No.	Lens Dia.	Magnifi.	List Price	% Off List	Your Cost
3430-30	50 mm	2.5m	5.92	50	2.96
3430-33	65 mm	2.5m	6.17	50	3.09
3430-36	75 mm	2.5m	8.58	50	4.29

FIND IT AT WEBERSCIENTIFIC.COM



- *Magic Touch Ice Buckets from Bel-Art*
- *Illuminated Pocket Microscope*



### Lab Butane Burner

A replacement for the alcohol lamp. Large base offers stability. No gas lines needed – refills easily with butane cartridges (available separately). Solid-state push button ignition system and adjustable flame size. Flame temperature about 2000°F (1100°C). Large 76 mL tank capacity. 5.25" long X 3.2" wide X 3.3" high (134 X 80 X 85 mm).

Item No.	Your Cost
3430-20	49.90

### Butane Fuel Tank

Quadruple refined for clean burning. 100 mL. No HAZMAT charge with ORM-D label.

Item No.	Qty Break	Your Cost
3430-22	1-2 3+	6.58 5.69



3430-10

### Alcohol Lamp

Classic lamp features a wide heavy base to resist tipping and a close-fitting metal cap that prevents evaporation. 100 mL capacity.

Item No.	Your Cost
3430-10	9.27

### Replacement Wicks

For #3430-10, alcohol lamp.

Item No.	Qty	Your Cost
3430-13	Pack of 10	3.64



### Replacement Batteries

Item No.	Description	Qty	Your Cost
3029-60	LR44/A76 button cell battery 1.5 V	1	3.49
3045-42	LR41/384/392 button cell battery 1.5 V	1	4.52
3571-57	SR44/357/303 silver oxide button cell battery 1.5 V	1	11.14
3039-50	Replacement NiMH battery pack	1	30.61
3039-51	CR2032 lithium ion battery 3 V	1	2.50
3039-52	Lithium battery LS 14250 - 1/2AA - 3.6 V	1	9.29
3039-53	LR54 Alkaline button cell battery 1.5 V	1	1.95
3039-54	CR2450 3V Lithium coin cell battery	1	5.99
3039-55	AAA 1.5 V batteries	pack/4	7.39
3039-56	AA 1.5 V batteries	pack/4	8.85
3039-57	9V batteries	pack/2	8.45
3039-58	C 1.5 V batteries	pack/4	9.99

### ACCESSORIES:



BactiZapper Sterilizer see page 39.  
Ethyl Alcohol for lamp see page 70.



## Delivers precise and accurate volumes electronically

### eLINE® Electronic Pipettor (Sartorius – formerly Biohit)

#### Superb ergonomics to prevent Repetitive Strain Injury

- Fully electronic operation guarantees user-independent results
- Autoclavable lower part
- 9.5" / 241 mm length
- Fits most major pipettor tips
- 2-year warranty
- Single channel
- IVD/CE certification
- Comprehensive range of pipetting modes
  - Pipetting
  - Reverse Pipetting
  - Manual Pipetting
  - Multi Dispensing
  - Diluting
  - Sequential Dispensing
  - Multi Aspiration

Item No.	Color Code (to match tips)	Mfr Item No.	Test Volumes (µl)	Inaccuracy (%)	Imprecision (%)
3185-80	Orange	730061	300 / 150 / 30	0.40 / 0.60 / 1.50	0.15 / 0.20 / 0.80
3185-82	Blue	730081	1000 / 500 / 100	0.40 / 0.60 / 1.50	0.15 / 0.20 / 0.80
3185-84	Green	730101	5000 / 2500 / 500	0.50 / 0.80 / 1.00	0.15 / 0.20 / 0.40

Item No.	Description	List Price	% Off List	Qty Break	Your Cost
3185-80	10-300 µL	776.00	20	1	<b>620.80</b>
	With charging adaptor		30	2+	<b>543.20</b>
3185-82	50-1000 µL	776.00	20	1	<b>620.80</b>
	With charging adaptor		30	2+	<b>543.20</b>
3185-84	100-5000 µL	776.00	20	1	<b>620.80</b>
	With charging adaptor		30	2+	<b>543.20</b>
3185-05	Charging Stand for One Unit	206.00	20		<b>164.80</b>
3185-03	Carousel charging stand for 4 units	500.00	20		<b>400.00</b>
3185-04	Linear stand – no charge	124.00	20		<b>99.20</b>
3185-08	Replacement charging adaptor	145.00	20		<b>116.00</b>
3185-06	Replacement NiMH battery	122.00	10		<b>109.80</b>



3186-23

### Transferpette® Electronic Pipet (BrandTech)

#### The world's first certified ergonomic pipet

Offers the convenience and automation of a motorized electronic pipet. The result is an accurate, ergonomic instrument for use in most laboratory applications. It is available in two volume ranges for reliable dispensing of volumes from 2µL to 1000µL with an autoclavable pipet shaft.

The microprocessor controlled Transferpette® electronically automates piston movement which greatly reduces the imprecision and inaccuracy caused by operator variability. It is lightweight and has an ergonomic side mounted pipetting key and low-force operation for relaxed, low-fatigue pipetting and reduced tip ejection forces. The soft-touch pipetting key, adjustable finger-rest, and innovative tip cone minimize operational forces.

Five convenient operating modes improve productivity and increase sample throughput: standard pipetting, sample mixing, reverse pipetting, dispensing, and gel loading. Gel loading mode not available on 100-1000uL size.

Equipped with the innovative Easy Calibration™ system that reduces the need for off-site calibration and simplifies conformity with ISO/GLP guidelines.

Pipets are supplied with battery and charging adaptor, certificate of calibration, operating manual, and one-year manufacturer's warranty.

Item No.	Mfr Item No.	Volume Range	Increments µL	Inaccuracy ≤ ± %	Imprecision <= %	List Price	% Off List	Qty Break	Your Cost
3186-23	705323	20-200	0.2	0.8	0.2	510.00	15	1-2	<b>433.50</b>
							20	3+	<b>408.00</b>
3186-26	705326	100-1000	1.0	0.6	0.2	510.00	15	1-2	<b>433.50</b>
							20	3+	<b>408.00</b>

## Proline® Plus Mechanical Pipettors (Sartorius – formerly Biohit)

*Highest accuracy and precision for today's demanding laboratories*

### Both adjustable and fixed volume models

- Autoclavable
- User calibratable
- Wide range of sizes – up to 10 mL on fixed volume model!
- Compatible with a wide range of tips
- Ergonomic design with light pipetting forces, comfortable handle and finger support for reduced risk of strain injuries
- For both right or left handed users
- Easy-to-read volumes
- Single channel
- IVD/CD certification
- 2 year warranty

### Adjustable volume pipettor

- Easy to read display, easy volume change and quick turn
- Increased safety with volume lock preventing accidental volume changes while pipetting

Item No.	List Price	% Off List	Qty Break	Your Cost
<b>3185-13</b>	248.00	30	1	<b>173.60</b>
		35	2+	<b>161.20</b>
<b>3185-15</b>	248.00	30	1	<b>173.60</b>
		35	2+	<b>161.20</b>
<b>3185-16</b>	248.00	30	1	<b>173.60</b>
		35	2+	<b>161.20</b>
<b>3185-18</b>	248.00	30	1	<b>173.60</b>
		35	2+	<b>161.20</b>
<b>3185-22</b>	248.00	30	1	<b>173.60</b>
		35	2+	<b>161.20</b>
<b>3185-24</b>	186.00	25	1	<b>139.50</b>
		30	2+	<b>130.20</b>
<b>3185-26</b>	186.00	25	1	<b>139.50</b>
		30	2+	<b>130.20</b>
<b>3185-28</b>	186.00	25	1	<b>139.50</b>
		30	2+	<b>130.20</b>
<b>3185-30</b>	186.00	25	1	<b>139.50</b>
		30	2+	<b>130.20</b>
<b>3185-32</b>	186.00	25	1	<b>139.50</b>
		30	2+	<b>130.20</b>
<b>3185-34</b>	186.00	25	1	<b>139.50</b>
		30	2+	<b>130.20</b>
<b>3185-36</b>	186.00	25	1	<b>139.50</b>
		30	2+	<b>130.20</b>

Item No.	Color Code (to match tips)	Mfr Item No.	Volume Range (µl)	Increment (µl)	Test Volumes (µl)	Inaccuracy (%)	Imprecision (%)
<b>3185-13</b>	Yellow or orange	728020	0.5 - 10	0.01	10 / 5 / 1	1.00 / 1.50 / 2.50	0.60 / 1.00 / 1.50
<b>3185-15</b>	Yellow or orange	728050	10 - 100	0.10	100 / 50 / 10	0.80 / 1.00 / 2.00	0.15 / 0.40 / 1.00
<b>3185-16</b>	Yellow or orange	728060	20 - 200	0.20	200 / 100 / 20	0.60 / 0.80 / 2.00	0.15 / 0.30 / 0.80
<b>3185-18</b>	Blue	728070	100 - 1000	1.00	1000 / 500 / 100	0.60 / 0.60 / 1.00	0.20 / 0.20 / 0.40
<b>3185-22</b>	Green	728080	500 - 5000	10.0	5000 / 2500 / 500	0.50 / 0.60 / 2.00	0.20 / 0.30 / 0.60
<b>3185-24</b>	Gray	728515	5	-	5	1.30	1.20
<b>3185-26</b>	Gray	728520	10	-	10	0.80	0.80
<b>3185-28</b>	Blue or Aqua	728567	500	-	500	0.30	0.20
<b>3185-30</b>	Blue or Aqua	728570	1000	-	1000	0.30	0.20
<b>3185-32</b>	Green	728575	2000	-	2000	0.30	0.15
<b>3185-34</b>	Green	728580	5000	-	5000	0.30	0.15
<b>3185-36</b>	Red	728590	10 ml	-	10000	0.60	0.20

## Economy Adjustable-Volume Micro-Pipettors (United Scientific)

Featuring autoclavable tipcones and built-in tip ejectors, Variable Volume Micro-Pipettors work on a click stop digital system, are easy to calibrate and maintain, and easy to disassemble for autoclaving. These pipettes are manufactured in an ISO 17025 facility, as well individually calibrated according to ISO 8655 standards. A calibration certificate is provided with each pipette. One year warranty.

Item No.	Mfr. Item No.	Volume Range	Increments µl	Compatible Tips	Volume µl	Inaccuracy/Reproducibility	Your Cost
<b>3188-05</b>	PVV-100	10 – 100 µl (.01 – 0.1 mL)	1.0	200 ul	20.0	±2.0% / ≤0.7%	<b>120.14</b>
					50.0	±0.7% / ≤0.3%	
					100.0	±0.8% / ≤0.2%	
<b>3188-10</b>	PVV-1000	100 – 1000 µl (0.1 – 1 mL)	10	1000 ul	200.0	±1.2% / ≤0.3%	<b>120.14</b>
					500.0	±0.6% / ≤0.2%	
					1000.0	±0.5% / ≤0.2%	





## Economy Fixed-Volume Micro-Pipettors (United Scientific)

Featuring autoclavable tipcones and built-in tip ejectors, Fixed Volume Micro-Pipettors are easy to calibrate and maintain, and easy to disassemble for autoclaving. These pipettes are manufactured in an ISO 17025 facility, as well individually calibrated according to ISO 8655 standards. A calibration certificate is provided with each pipette. Uses standard universal tips. One year warranty.

Item No.	Mfr. Item No.	Volume	Inaccuracy/Imprecision	Comments	Your Cost
<b>3188-30</b>	PFV-100	100 µl (0.1 mL)	±0.8% / ≤0.2%		<b>84.03</b>
<b>3188-39</b>	PFV-300	300 µl (0.3 mL)	±1.2% / ≤0.3%	for Charm® Test	<b>113.44</b>
<b>3188-42</b>	PFV-450	450 µl (0.45 mL)	±1.2% / ≤0.3%	for Snap™ Test	<b>113.44</b>
<b>3188-50</b>	PFV-1000	1000 µl (1.0 mL)	±0.5% / ≤0.2%		<b>84.03</b>

## Micro-Pipettors (Eppendorf)

### Reference adjustable-volume models

Continuously adjustable with digital readout. Factory tested for accuracy and precision, with a certificate of calibration supplied with each instrument. User serviceable for easy maintenance. Accuracy and precision similar to the fixed-volume models. Autoclavable. Three year warranty.

Item No.	Volume	List Price	% Off List	Your Cost
<b>3182-00</b>	10 - 100 µl (.01 -1 mL)	440.00	10	<b>396.00</b>
<b>3181-00</b>	100 - 1000 µl (.1 - 1 mL)*	440.00	10	<b>396.00</b>

### Reference fixed-volume models

User serviceable: can be easily maintained right in the lab. If a pipettor ever requires service, a full range of replacement parts is available. All the operating functions of pipetting, blow-out and tip ejection controlled at the touch of a single button. The "ultra micro" 1 µl pipettor features an extended piston that reduces dead-air volume for superior performance. Autoclavable. Three year warranty.

Item No.	Volume	Inaccuracy/Imprecision	Comments	List Price	% Off List	Your Cost
<b>3182-01</b>	1 µl (.001 mL)	±2.5% / ≤1.8%		331.00	10	<b>297.90</b>
<b>3182-10</b>	10 µl (.01 mL)	±1.0% / ≤0.5%	for DMSSC	331.00	10	<b>297.90</b>
<b>3181-40</b>	100 µl (.1 mL)	±0.6% / ≤0.2%		331.00	10	<b>297.90</b>
<b>3181-48</b>	1000 µl (1 mL)	±0.6% / ≤0.2%		331.00	10	<b>297.90</b>

### Research Fixed-volume models

Autoclavable lower part. Features a separate built-in tip ejector. Three year warranty.

Item No.	Volume	Inaccuracy/Imprecision	Comments	List Price	% Off List	Your Cost
<b>3181-10</b>	10 µl (.01 mL)	±1.8% / ≤0.6%		259.00	10	<b>233.10</b>
<b>3181-12</b>	50 µl (.05 mL)	±0.7% / ≤0.3%		259.00	10	<b>233.10</b>
<b>3181-18</b>	100 µl (.1 mL)	±0.6% / ≤0.2%	for Delvo "P" Test	259.00	10	<b>233.10</b>
<b>3181-19</b>	200 µl (.2 mL)*	±0.6% / ≤0.2%	for Delvo "E" Test	259.00	10	<b>233.10</b>
<b>3181-22</b>	500 µl (.5 mL)	±0.6% / ≤0.2%	for Delvo "E" Test	259.00	10	<b>233.10</b>
<b>3181-24</b>	1000 µl (1 mL)	±0.6% / ≤0.2%		259.00	10	<b>233.10</b>

\* Uses 200 - 1000 µl tips.



3181-48

3181-22

### ACCESSORIES: FOR MICRO-PIPETTORS



Mini-Pipettor see page 38.



## Optifit™ Tips for Pipettor (Sartorius-Biohit)

Tips fit Biohit, 3M® Electronic and most other pipet brands

In liquid handling, the pipette and the tip always form a system. Perfect tip fitting and sealing to the pipette secures the best possible accuracy and precision. These tips provide excellent reproducibility and accuracy and are suitable for use with most other pipette brands.

- Highest quality virgin polypropylene
- Material used in tips, trays and racks (polypropylene) is 100% recyclable

- Air-tight plastic wrapping for maximal purity - wrapping is regular waste
- Flip-top boxes can be easily opened and closed using a single hand
- Color coding of the tip trays allows for easy matching with a suitable Biohit pipette
- RNase, DNase and endotoxin free certified by lot number.
- Labels indicate tip volume, tip type, lot number, etc.
- Fully traceable, CE/IVD certified



Item No.	Mfr Item No.	Description	Color Code (to match Pipettor)	Volume Range, ul	Length	Qty
3185-72	790014	Non-Sterile, Bulk in Box	Gray	0.1-10	31.5 mm	1000 Tips
3185-71	790011	Pre-Sterilized, Single Tray	Gray	0.1-10	31.5 mm	10 x 96 Tips
3185-75	LH-B790204	Non-Sterile, Bulk in Box	Yellow	0.5-200	51 mm	960 Tips
3185-73	790201	Pre-Sterilized, Single Tray	Yellow	0.5-200	51 mm	10 x 96 Tips
3185-41	LH-B790354	Non-Sterile, Bulk in Box	Orange	5-350	54 mm	960 Tips
3185-42	790350	Non-Sterile, Single Tray	Orange	5-350	54 mm	10 x 96 Tips
3185-44	790351	Pre-Sterilized, Single Tray	Orange	5-350	54 mm	10 x 96 Tips
3185-46	790352	Non-Sterile, Refill Tower	Orange	5-350	54 mm	10 x 96 Tips
3185-48	790353	Pre-Sterilized, Refill Pack	Orange	5-350	54 mm	15 X 96 Tips
3185-51	LH-B791004	Non-Sterile, Bulk in Box	Blue	10-1000	71.5 mm	480 Tips
3185-52	791000	Non-Sterile, Single Tray	Blue	10-1000	71.5 mm	10 x 96 Tips
3185-54	791001	Pre-Sterilized, Single Tray	Blue	10-1000	71.5 mm	10 x 96 Tips
3185-56	791002	Non-Sterile, Refill Pack	Blue	10-1000	71.5 mm	10 x 96 Tips
3185-58	791003	Pre-Sterilized, Refill Pac	Blue	10-1000	71,5 mm	10 X 96 Tips
3185-61	LH-B791024	Non-Sterile, Bulk in Box	Aqua - Wide tip	10-1000	68.5 mm	480 Tips
3185-62	791020	Non-Sterile, Single Tray	Aqua - Wide tip	10-1000	68.5 mm	10 x 96 Tips
3185-64	791021	Pre-Sterilized, Single Tray	Aqua - Wide tip	10-1000	68.5 mm	10 x 96 Tips
3185-66	780304	Non-Sterile, Single Tray	Green	100-5000	150 mm	10 x 50 Tips
3185-68	780305	Pre-Sterilized, Single Tray	Green	100-5000	150 mm	10 x 50 Tips
3185-79	LH 780316	Non-Sterile, Bulk in Box	Red	1000-10000	161 mm	250 Tips

Item No.	List Price	% Off List	Qty Break	Your Cost
3185-72	37.00	20	1-4	29.60
		30	5+	25.90
3185-71	105.00	20	1-4	84.00
		30	5+	73.50
3185-75	36.00	15	1-4	30.60
		25	5+	27.00
3185-73	68.00	25	1-4	51.00
		35	5+	44.20
3185-41	36.00	15	1-4	30.60
		25	5+	27.00
3185-42	68.00	25	1-4	51.00
		35	5+	44.20
3185-44	94.00	20	1-4	75.20
		30	5+	65.80
3185-46	47.00	25	1-4	35.25
		35	5+	30.55
3185-48	84.00	25	1-4	63.00
		35	5+	54.60
3185-51	22.00	15	1-4	18.70
		25	5+	16.50
3185-52	66.00	20	1-4	52.80
		30	5+	46.20
3185-54	84.00	20	1-4	67.20
		30	5+	58.80
3185-56	40.00	25	1-4	30.00
		35	5+	26.00
3185-58	63.00	30	1-4	44.10
		40	5+	37.80
3185-61	22.00	15	1-4	18.70
		25	5+	16.50
3185-62	68.00	25	1-4	51.00
		35	5+	44.20
3185-64	90.00	20	1-4	72.00
		30	5+	63.00
3185-66	160.00	30	1-4	112.00
		40	5+	96.00
3185-68	190.00	35	1-4	123.50
		45	5+	104.50
3185-79	115.00	20	1-4	92.00
		30	5+	80.50

## Wide Tip Pipet Tips (Weber)

Larger tip opening and precision pipetting

Accurate tips are compatible with the most popular pipettors. Certified as RNase, DNase, and endotoxin free. Flexible walls and a series of internal sealing rings ensure a secure and less force to load and eject. 1000 µl tip fits the 3M Electronic Pipettor. Natural polypropylene.



3184-70

3184-74

Item No.	Fits Pipettor, µL	Packaging	List Price	% Off List	Qty Break	Your Cost
3184-70	200	1000 bulk pack, not sterile	17.95	30	1-19	12.57
				37	Multiples of 20	11.31
3184-71	200	960 rack pack, 10 X 96, not sterile	38.10	30	1-4	26.67
				37	Multiples of 5	24.00
3184-72	200	960 rack pack, 10 X 96, <b>sterile</b>	39.95	30	1-4	27.97
				37	Multiples of 5	25.17
3184-74	1000	1000 bulk pack, not sterile	23.10	30	1-4	16.17
				37	Multiples of 5	14.55
3184-75	1000	960 rack pack, 10 X 96, not sterile	48.65	30	1-4	34.06
				37	Multiples of 5	30.65
3184-76	1000	960 rack pack, 10 X 96, <b>sterile</b>	55.17	30	1-4	38.62
				37	Multiples of 5	34.76



**WEBER**  
Everyday  
**LOW**  
**Prices!**

**CUSTOM**  
**COMPETITIVE**  
**PRICING™**

**compare & save**

## Universal Fit Tips for Micro-Pipettors

Engineered for a wide variety of pipettors. Your lab can now standardize on one brand of tips! The 1000 µl tips will fit the 3M, Electronic Pipettor, frequently used for the Petrifilm® plate method. Rack packs are autoclavable. Natural polypropylene.

## Eppendorf Compatible Tips for Micro-Pipettors

Manufactured to be compatible with Eppendorf pipettors. Rack packs are autoclavable. Natural polypropylene, in clear and yellow tips.

Item No.	Fits Pipettor, µl	Packaging	Color	List Price	% Off List	Qty Break	Your Cost
<b>3183-28</b>	1-20	1000 bulk pack	Clear	29.64	50	1-19	<b>14.82</b>
		not sterile				60 multi. of 20	<b>11.86</b>
<b>3183-29</b>	1-20	960 rack pack,	Clear	57.42	50	1-4	<b>28.71</b>
		10 x 96, not sterile				60 multi. of 5	<b>22.97</b>
<b>3183-30</b>	1-20	960 <b>sterile</b> rack pack, 10 x 96	Clear	72.51	50	1-4	<b>36.26</b>
<b>3183-32</b>	10-200	960 rack pack,	Yellow	65.00	50	1-4	<b>32.50</b>
		10 x 96, not sterile				60 multi. of 5	<b>26.00</b>
<b>3183-33</b>	10-200	960 <b>sterile</b> rack pack, 10 x 96	Yellow	73.44	50	1-4	<b>36.72</b>
						60 multi. of 5	<b>29.38</b>
<b>3183-35</b>	100-1000	1000 rack pack,	Clear	61.32	50	1-4	<b>30.66</b>
		10 x 100, not sterile				60 multi. of 5	<b>24.53</b>
<b>3183-36</b>	100-1000	<b>sterile</b> rack pack,	Clear	70.36	50	1-4	<b>35.18</b>
		10 x 100				60 multi. of 5	<b>28.14</b>

Item No.	Fits Pipettor, µl	Packaging	Grad.	Qty Break	Your Cost
<b>3184-25</b>	1-200	1000 bulk pack, not sterile	yes	1-9 Multiples of 10	<b>14.50</b> <b>10.95</b>
<b>3184-27</b>	1-200	960 rack pack, 10 x 96, not sterile	yes	1-4 multiples of 5	<b>27.67</b> <b>24.94</b>
<b>NEW!</b> <b>3184-28</b>	1-200	960 reload rack pack, not sterile	yes	1-3 multiples of 4	<b>19.05</b> <b>17.14</b>
<b>NEW!</b> <b>3184-29</b>	1-200	960 reload starter kit, not sterile	yes	1-3 4+	<b>26.19</b> <b>23.57</b>
<b>3184-30</b>	1-200	960 <b>sterile</b> rack pack, 10 x 96	yes	1-4 multiples of 5	<b>30.65</b> <b>27.71</b>
<b>NEW!</b> <b>3184-00</b>	50-1250	768 bulk pack, not sterile	yes	1-9 Multiples of 10	<b>13.02</b> <b>11.71</b>
<b>NEW!</b> <b>3184-01</b>	50-1250	768 rack pack, 8 x 96, not sterile	no	1-4 multiples of 5	<b>26.98</b> <b>24.29</b>
<b>NEW!</b> <b>3184-02</b>	50-1250	960 <b>sterile</b> rack pack, 10 x 96	yes	1-4 5+	<b>28.25</b> <b>25.43</b>
<b>NEW!</b> <b>3184-03</b>	50-1250	768 reload rack pack, 8 x 96, not sterile	yes	1-3 multiples of 4	<b>23.81</b> <b>21.43</b>
<b>NEW!</b> <b>3184-04</b>	50-1250	768 reload starter kit, 8 x 96, not sterile	yes	1-3 4+	<b>28.17</b> <b>25.36</b>
<b>NEW!</b> <b>3094-46</b>	100-1000	1000 <b>sterile</b> rack pack, 10 x 100, low binding	no	1-4 multiples of 5	<b>32.29</b> <b>29.06</b>
<b>NEW!</b> <b>3184-35</b>	100-1000	1000 bulk pack, not sterile low binding	no	1-9 multiples of 10	<b>15.17</b> <b>13.65</b>
<b>NEW!</b> <b>3184-37</b>	100-1000	1000 rack, not sterile 10 x 100, low binding	no	1-4 multiples of 5	<b>30.09</b> <b>27.08</b>
<b>3184-34</b>	201-1000	1000 bulk pack, not sterile	no	1-9 Multiples of 10	<b>16.40</b> <b>14.70</b>
<b>3184-36</b>	201-1000	1000 rack pack, 10 x 100, not sterile	no	1-4 multiples of 5	<b>35.63</b> <b>27.00</b>
<b>3094-45</b>	201-1000	1000 <b>sterile</b> rack pack, 10 x 100	no	1-4 multiples of 5 multiples of 25	<b>37.12</b> <b>31.25</b> <b>26.64</b>

## **NEW!** Maxymum Recovery Universal Fit Filter Pipet Tips (Corning)

- Volume: 100, 200, 300, and 1000 microliter
- Color: clear
- Pre-sterilized; autoclavable; racked
- Certified RNase, DNase, and endotoxin free

This Maxymum Recovery universal fit filter tip is for research grade pipettors, applications requiring high accuracy and reproducibility. Ideal for transferring viscous DNA, RNA, and protein solutions. All tips feature the "Uni-grip" design, which assures an airtight seal with most major brands of pipettors.



Item No.	Fits Pipettor, µL	Packaging	List Price	% Off List	Qty Break	Your Cost
<b>3184-05</b>	100	96 Tips/Rack,	106.25	30	1-4	<b>74.38</b>
		10 Racks, <b>sterile</b>			40 multi. of 5	<b>63.75</b>
<b>3184-06</b>	200	96 Tips/Rack,	106.25	30	1-4	<b>74.38</b>
		10 Racks, <b>sterile</b>			40 multi. of 5	<b>63.75</b>
<b>3184-07</b>	300	96 Tips/Rack,	106.25	30	1-4	<b>74.38</b>
		10 Racks, <b>sterile</b>			40 multi. of 5	<b>63.75</b>
<b>3184-10</b>	1000	100 Tips/Rack,	102.30	30	1-4	<b>71.61</b>
		10 Racks, <b>sterile</b>			40 multi. of 5	<b>61.38</b>



### Everyday Low Prices

When you do business with Weber Scientific you'll find high quality at our legendary Everyday Low Prices. We make doing business easy.

Cristian Adams  
Key Account Specialist  
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## Tips for Micro-Pipettors (Eppendorf)

Item No.	Fits size pipettor	Quantity	Comments	List Price	% Off List	Your Cost
3183-01	1 µl "micro"	1000	bulk pack	72.00	10	64.80
3183-03	1 µl "micro"	960	autoclavable rack	111.50	10	100.35
3183-05	10 - 200 µl	1000	bulk pack	57.50	10	51.75
3183-07	10 - 200 µl	960	autoclavable rack	87.00	10	78.30
3183-09	10 - 200 µl	1000	sterile, ind. wrapped	150.50	10	135.45
3183-14	50 - 1000 µl	1000	bulk pack	62.50	12	55.00
3183-16	50 - 1000 µl	960	autoclavable rack	94.00	10	84.60
3183-18	100 - 1000 µl	1000	sterile, ind. wrapped	150.50	10	135.45

### TIP COMPATIBILITY

Mounting	Branded	Compatible
Smallest	3183-01/03	3183-28/29/30
Medium	3183-05/07/09	3183-32/33
Large	3183-14/16/18	3183-35/36

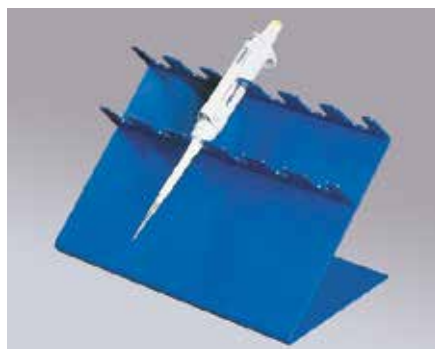


## Biopur® Tips for Micro-Pipettors (Eppendorf)

### For the utmost in biological purity

Biopur tips are guaranteed sterile, pyrogen-free, RNase-free, DNA-free and ATP-free. Packed in sterile racks.

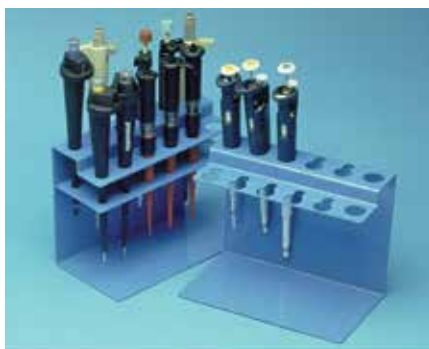
Item No.	Mfr. Item No.	Volume, µl	Qty	List Price	% Off List	Your Cost
3183-27	022491083	200	480 (5 racks of 96)	95.00	10	85.50
3183-21	022491105	1000	480 (5 racks of 96)	102.00	10	91.80



## Pipettor Stands (Heathrow Scientific)

Efficient and convenient pipettor storage. Sturdy six-place pipettor stands hold most major brands of pipettors. Upper slots are 25 mm and lower slots are 20 mm. Economical and durable. ABS plastic.

Item No.	Qty	List Price	% Off List	Your Cost
3180-20	blue	47.09	25	35.32



## Micro-Pipettor Rack (Bel-Art Scienceware)

Poxygrid® epoxy coated aluminum rack holds 10 pipettors in two stepped rows. A lower shelf has smaller holes that accept the tapered ends of the pipettors to keep them vertical. 9" x 5" x 6 3/4" - 229 x 127 x 171 mm high.

Item No.	List Price	% Off List	Your Cost
3180-75	104.45	10	94.01



## Eppendorf® Wall Mount Pipettor Stand (Brinkmann 22444913)

Holds a single or multichannel pipettor. Supplied with a heavy duty Velcro® connection. Remove the adhesive covering to install.

Item No.	Your Cost
3180-56	36.80

## Sterile Pipets, Polystyrene, Serological Type

Available in a variety of tip styles — standard, wide, and open-end — for transferring liquids and suspensions of different viscosities. All pipets are virgin polystyrene, certified pyrogen-free and non-cytotoxic. Non-toxic color-coded cotton plugs provide easy size identification.

Sizes from 1 mL to 25 mL have unique smooth one-piece construction. There are no seams at the mouthpiece or tip ends, thus no possibility of sample hang-up or accidental breakage due to irregularities or weakness. One-piece construction also provides improved accuracy with calibration to deliver (TD) at  $\pm 2\%$  (except 1 mL which are  $\pm 3\%$ ).

Sizes from 5 mL to 25 mL are two inches shorter than other typical pipettes, for ease of use under benchtop hoods especially with pipet bulbs and controllers. In addition, new 5 mL and 10 mL "Shorty" pipets now available are even shorter than the standard models, for ease of use in really tight spots. Open-end and wide-tip pipets yield faster flow rates and reduce shearing for food and meat applications.

Sterile pipets are available individually wrapped or bulk packaged. Individually wrapped sterile pipets are provided in static-free, one-side-paper one-side-plastic packaging that can be opened by peeling the end or by pushing the pipet through the paper side.



Item No.	Description	Length (inches)	Graduation Interval (mL)	Negative		Qty	List Price	% Off List	Qty Break	Your Cost
				Graduations (mL)	Tip O.D. (mm)					
3018-31	1 mL Standard	10.67	0.01	0.3	1.3-1.8	pack/1000	274.45	58	1-3	<b>115.27</b>
	Bulk Packed 25 per bag								4+	<b>98.80</b>
3018-32	2 mL Standard	10.67	0.02	0.4	1.8-2.2	pack/1000	279.54	58	1-3	<b>117.41</b>
	Bulk Packed 25 per bag								4+	<b>100.63</b>
3018-35	5 mL Standard	11.57	0.10	3.0	1.4-2.0	pack/375	158.30	58	1-3	<b>66.49</b>
	Bulk Packed 25 per bag								4+	<b>56.99</b>
3018-40	10 mL Standard	11.57	0.10	3.0	1.6-2.4	case/250	120.87	58	1-3	<b>50.77</b>
	Bulk Packed 25 per bag								4+	<b>43.51</b>
3018-42	10 mL Wide-Tip	11.57	0.10	3.0	3.0-3.4	case/250	120.87	58	1-3	<b>50.77</b>
	Bulk Packed 25 per bag								4+	<b>43.51</b>
3018-50	25 mL Standard	11.67	0.20	2.6	2.3-3.5	case/100	114.71	58	1-3	<b>48.18</b>
	Bulk Packed 10 per bag								4+	<b>41.30</b>
3019-31	1 mL Standard	10.67	0.01	0.3	1.3-1.8	case/500	175.93	58	1-3	<b>73.89</b>
	Individually Wrapped								4+	<b>63.33</b>
3019-32	2 mL Standard	10.67	0.02	0.4	1.8-2.2	pack/500	178.19	58	1-3	<b>74.84</b>
	Individually Wrapped								4+	<b>64.15</b>
3019-35	5 mL Standard	11.57	0.10	3.0	1.4-2.0	pack/250	123.08	58	1-3	<b>51.69</b>
	Individually Wrapped								4+	<b>44.31</b>
3019-44	10 mL Standard	11.57	0.10	3.0	1.6-2.4	pack/200	108.50	58	1-3	<b>45.57</b>
	Individually Wrapped								4+	<b>39.06</b>
3019-41	10 mL "Shorty"-Tip	8.66	0.20	8.0	2.3-3.5	pack/100	102.78	58	1-3	<b>43.17</b>
	Individually Wrapped								4+	<b>37.00</b>
3019-49	10 mL Wide-Tip	11.57	0.10	3.0	3.0-3.4	pack/200	108.49	58	1-3	<b>45.57</b>
	Individually Wrapped								4+	<b>39.06</b>
3019-48	25 mL Standard	11.67	0.20	2.6	2.3-3.5	pack/100	111.81	58	1-3	<b>46.96</b>
	Individually Wrapped								4+	<b>40.25</b>
3019-46	50 mL Standard	13.38	1.00	5.0	3.1-3.3	pack/100	325.45	58	1-3	<b>136.69</b>
	Individually Wrapped								4+	<b>117.16</b>

## Disposable Pipet, Sterile Glass (Kimble 72100)

Serological type cotton plug in mouth-end. Calibrated to deliver to tip with two rings near the top denoting that the small amount remaining in the tip must be blown out. Kimax® glass.

Item No.	Negative Capacity mL	Sub-Graduations mL	divisions mL	Qty	Qty per inner bag	List Price	% Off List	Your Cost
3018-510	1	0.2	0.1	pack/1000	25	494.28	55	222.43
3018-520	2	0.2	0.01	pack/500	25	249.13	55	112.11
3018-550	5	1.0	0.1	pack/500	10	352.63	65	123.42
3018-600	10	2.0	0.1	pack/500	10	411.04	45	226.07

## Disposable Individually Wrapped Pipet, Sterile Glass (Kimble 72105)

Same as 3018 Range except each pipet is individually wrapped.

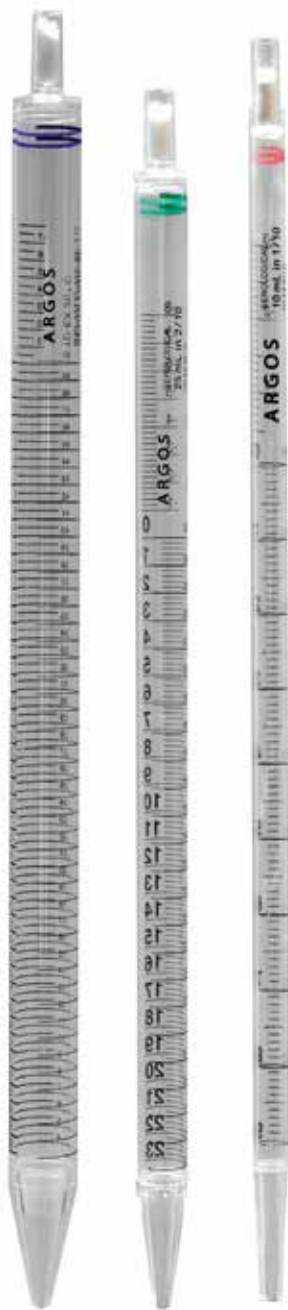
Item No.	Negative Capacity mL	Sub-Graduations mL	divisions mL	Qty	List Price	% Off List	Your Cost
3019-510	1	0.2	0.1	pack/1000	549.03	55	247.06
3019-520	2	0.2	0.01	pack/500	316.67	55	142.50
3019-550	5	1.0	0.1	pack/500	425.06	60	170.02
3019-600	10	2.0	0.1	pack/500	454.44	60	181.78

## Sterile Pipets, Polystyrene, Serological (Argos)

Pipettes are sterile, pyrogen free and utilize a unique filter plug to prevent overfilling. Reverse graduations show volume removed or remaining on all pipettes larger than 1 mL. The uniform mouth piece fits all major pipettors and have color coded TD rings for ease of identification. Calibrated TD with blow out. Meets AST< E934.



Item No.	Description	Grad. Interval; mL	Negative Grad. mL	±Tol mL	Qty	List Price	% Off List	Qty Break	Your Cost
3018-01	1 mL	0.01	0.3	0.02	pack/1000	231.02	22	1-3	180.20
	Bulk packed 25 per bag						29	4+	164.02
3018-03	2 mL	0.01	0.3	0.04	pack/1000	312.43	22	1-3	243.70
	Bulk packed 25 per bag						29	4+	221.83
3018-05	5 mL	0.1	2	0.1	pack/500	200.25	22	1-3	156.20
	Bulk packed 25 per bag						29	4+	142.18
3018-11	10 mL	0.1	3	0.2	pack/400	170.93	25	1-3	128.20
	Bulk packed 25 per bag						32	4+	116.23
3018-13	10 mL Wide tip	0.1	3	0.2	pack/400	170.93	25	1-3	128.20
	Bulk packed 25 per bag						32	4+	116.23
3018-26	25 mL	0.2	10	0.5	pack/150	163.52	30	1-3	114.46
	Bulk packed 10 per bag						40	4+	98.11
3019-00	1 mL	0.01	0.3	0.02	pack/500	134.75	20	1-3	107.80
	Individually wrapped						27	4+	98.37
3019-02	2 mL	0.01	0.3	0.04	pack/500	168.07	22	1-3	131.09
	Individually wrapped						29	4+	119.33
3019-05	5 mL	0.1	2	0.1	pack/200	87.90	22	1-3	68.56
	Individually wrapped						29	4+	62.41
3019-10	10 mL	0.1	3	0.2	pack/200	91.32	24	1-3	69.40
	Individually wrapped						31	4+	63.01
3019-26	25 mL Individually wrapped	0.2	10	0.5	pack/150	154.94	20	1-3	123.95
							30	4+	108.46
3019-27	100 mL Individually wrapped	1.0	none	2.0	pack/50	212.24	24	1-3	161.30
							31	4+	146.45



**WEBER**  
Everyday  
**LOW**  
Prices!

BACTERIOLOGICAL PIPETS

compare  
& save

## Compare and Save on Our Bacteriological Pipets

### Sterile Pipets, Bacteriological, APHA

By far our most popular line of bacteriological pipets. Made in compliance with APHA *Standard Methods for the Examination of Dairy Products or Standard Methods for the Examination of Water and Wastewater*. All pipets are virgin polystyrene, certified pyrogen-free and non-cytotoxic. Non-toxic color-coded cotton plugs provide easy size identification. One piece construction also provides improved accuracy with calibration to deliver (TD) at  $\pm 2\%$ . Individually wrapped pipets are provided in static-free, one-side-paper, one-side-plastic packaging that can be opened by peeling the end or by pushing the pipet through the paper side.

Item No.	Size; mL	Grad Interval; mL	Qty	List Price	% Off List	Qty Break	Your Cost
3022-03	1.1; Bags/25	0.5, 1.0, 1.1	pack/1000	274.94	58	1-3	<b>115.47</b>
					64	4+	<b>98.98</b>
3022-04	1.1; Ind. Wrap	0.5, 1.0, 1.1	pack/500	175.93	58	1-3	<b>73.89</b>
					64	4+	<b>63.33</b>
3022-53	2.2; Bags/25	0.5, 1.0, 2.0 2.1, 2.2	pack/1000	279.61	58	1-3	<b>117.44</b>
					64	4+	<b>100.66</b>
3022-55	2.2; Ind. Wrap	0.5, 1.0, 2.0 2.1, 2.2	pack/500	166.31	58	1-3	<b>69.85</b>
					64	4+	<b>59.87</b>

### Sterile Pipet, Bacteriological, Kimax® (Kimble 72106-22)

Sterile, plugged borosilicate glass pipets meet the requirements in APHA *Standard Methods for the Examination of Dairy Products*, 17th edition.

Capacity mL: 2.2

Calibration lines at mL: 2.2, 2.1, 2.0, 1.0

Item No.	Qty	List Price	% Off List	Your Cost
3022-20	pack/500; 125 per bag indiv. wrapped	287.85	20	<b>230.28</b>

### Reusable Pipet, Bacteriological (Kimble 37081)

Graduated. Designed from ASTM specification E1043 Type V requirements.

Capacity mL: 11

Calibration lines at mL: every 1

Tolerance mL:  $\pm 0.10$

Item No.	Qty	List Price	% Off List	Your Cost
3020-80	pack/12	140.90	20	<b>112.72</b>

### Reusable Pipet, Bacteriological (Kimble 37079)

Calibrated in accordance with specifications in APHA *Standard Methods for the Examination of Dairy Products*.

Capacity mL: 1.1

Calibration lines at mL: 1.1, 1.0, 0.5

Tolerance mL:  $\pm 0.025$

Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
3020-00	pack/12	102.33	20	1-2	<b>81.86</b>
			27	3+	<b>74.70</b>

### Reusable Pipet, Bacteriological (Kimble 37079-110)

Volumetric. Calibrated in accordance with specifications in APHA *Standard Methods for the Examination of Dairy Products*.

Capacity mL: 11

Calibration lines at mL: 11

Tolerance mL:  $\pm 0.10$

Item No.	Qty	List Price	% Off List	Your Cost
3020-70	pack/12	156.63	20	<b>125.30</b>



### Reusable Pipet, Bacteriological (Kimble 37079-22)

Calibrated in accordance with specifications in APHA *Standard Methods for the Examination of Dairy Products*.

Capacity mL: 2.2

Calibration lines at mL: 2.2, 2.1, 2.0, 1.0

Tolerance mL:  $\pm 0.04$

Item No.	Qty	List Price	% Off List	Your Cost
3021-00	pack/12	117.60	20	<b>94.08</b>

**Disposable Transfer Pipets**

*Extremely popular and a superb value.* 

These popular graduated pipets offer safety and convenience for many liquid transfer applications. This single unit design features a built-in pipet bulb and molded-in graduations. Made of inert, non-toxic low density polyethylene. Sterile pipets are individually wrapped.

Item No.	Description	Bulb Draw mL	Drops /mL	Overall Length inches/mm	Grad. mL	Grad. Intvl. mL	Qty	List Price	% Off List	Qty Break	Your Cost
<b>3017-20</b>	Wide stem; non-sterile	3.5	25	6 / 150	3	0.5	pk/500	25.45	36	1-9	<b>16.29</b>
									44	Multi. of 10	<b>14.25</b>
<b>3017-18</b>	Wide stem; Sterile	3.5	21	6.3 / 160	3	0.5	pk/500	67.30	50	1-4	<b>33.65</b>
									54	5-9	<b>30.96</b>
									57	Multi. of 10	<b>28.94</b>
<b>NEW!</b> <b>3017-11</b>	Wide stem; Sterile	3.5	21	6.3 / 160	3	0.5	pk/500 (pks 20)	32.00	50	1-9	<b>16.00</b>
									60	Multi. of 10	<b>12.80</b>
<b>3017-29</b>	Narrow stem; non-sterile	3.5	25	6 / 150	1	0.25	pk/500	25.45	36	1-9	<b>16.29</b>
									44	Multi. of 10	<b>14.25</b>
<b>3017-27</b>	Narrow stem; Sterile	3.5	21	6.3 / 160	1	0.25	pk/500	67.30	50	1-4	<b>33.65</b>
									54	5-9	<b>30.96</b>
									57	Multi. of 10	<b>28.94</b>
<b>NEW!</b> <b>3017-12</b>	Narrow stem; Sterile	3.5	21	6.3 / 160	1	0.25	pk/500 (pks 20)	32.00	50	1-9	<b>16.00</b>
									60	Multi. of 10	<b>12.80</b>



TRANSFER PIPETS

**ProPette™ XL Pipette Controller**

*Fits 1 to 100 mL pipets*

- Variable speed control
- Lightweight – 6.3 oz. / 170 gram
- Ambidextrous
- 8 hours of continuous use – about 2,500 pipettings
- Cordless and rechargeable lithium battery
- Includes charger, benchtop stand, extra filter and replaceable battery (has US type plug but is 100-240V switchable)

Item No.	Description	List Price	Qty	% Off List	Your Cost
<b>NEW!</b> <b>3099-60</b>	ProPette XL Electronic Pipette Controller with Retractable Stand	279.00	1	25	<b>209.25</b>
			2+	30	<b>195.30</b>
<b>3099-59</b>	Replacement 0.45 µL Filter	20.00		50	<b>10.00</b>
<b>3099-58</b>	Replacement 5V Lithium Battery	29.00		15	<b>24.65</b>



**accu-jet® pro Battery Powered Pipette Controller (BrandTech)**

Progressive speed control! A new range dial lets you set maximum pipetting speed, but still provides the touch-sensitive, continuously adjustable speed control that made the accu-jet so popular. Unparalleled soft blow-out control minimizes disturbance of cell pellets, or density gradient interfaces.

Small or large hands will work well with this lightweight, reshaped ergonomic design, which allows accu-jet® pro to be comfortably used for hours in either hand.

An autoclavable 0.2 µm hydrophobic filter is used to protect samples, instrument and user from contamination. The NiHM battery pack provides 8 hours of power, recharges in 4 hours, and is fully functional while charging. LED indicator will alert you when there are only two hours of pipetting time left.

The accu-jet® pro comes complete with NiHM battery pack; replacement #3039-50, wall holder, two sterile replacement 0.2µm hydrophobic filters, 120V/60Hz charger, operating manual, and one year warranty.

Item No.	Mfr. Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
<b>3016-70</b>	26331	Accu-jet pro pipette controller, magenta color coded*	1	407.00	20	1-2	<b>325.60</b>
					25	3+	<b>305.25</b>

\*Dark blue, light blue or green also available on request.

Item No.	Mfr. Item No.	Description	Qty	Qty Break	Your Cost
<b>3016-73</b>	26535	Replacement membrane filter 0.2 µm; non sterile	pk/10		<b>102.01</b>
<b>3016-57</b>	26056	Replacement membrane filter 3 µm; non sterile	pk/10	1-2	<b>55.73</b>
				3+	<b>51.08</b>



PIPETTING AIDS

## RF3000® Pipette Controller (Heathrow Scientific)

**Microprocessor controlled for consistent reliability and accuracy**

- Fits 1-100 mL glass or plastic pipets
  - 1mL nozzle adapter helps keep small pipettes stable
- Hydrophobic 0.45µm nozzle filter prevents contamination (3 included)
- Powerful pump offers rapid, yet sensitive aspiration and dispensing
  - Filling and dispensing speed is easily set with the same hand
  - Repeatedly press the large mode button and the bright LED's will indicate one of three modes: High, Low or Gravity Mode (Gravity Mode: "to contain" pipettes and dispense liquid without the motor)
- Five colored and autoclavable nose cones are included to help differentiate for departmental or specific use coding
- Hand-neutral design for right- and left-handed users
- Concave padded triggers and thumb controls for stress-free pipetting
- Rechargeable while in use or while resting in either the bench top stand or magnetic wall-mountable holder (both included)
  - About 20 hours of continuous pipetting plus low-battery indicator



Dimensions:	152 x 152 x 41 mm
Warranty:	1 year
Power:	One Li-Ion replaceable battery and AC Adapter 100 to 240VAC, 50/60Hz with four interchangeable plugs for U.S. or foreign use

Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
3099-50	RF3000, 115 V	each	353.45	30	1	<b>247.42</b>
				35	2+	<b>229.74</b>
3099-55	Replacement filters	pack/5	36.95	30		<b>25.87</b>

## RF1000 Safety Pipet Filler (Heathrow Scientific HS1000RFU)

**One-handed operation**

Simply squeeze the main bulb, and push the toggle forward to aspirate or back to dispense. Push the blow-out bulb to expel any liquid remaining in the pipette. The instrument is lightweight and intuitive to use. Accommodates graduated or volumetric pipettes (glass or plastic) and can be used with volumes ranging from 1mL to 100mL. Includes a hydrophobic .45µm filter and a magnetic holder for metal surface mount or wall mount. Polypropylene nozzle is autoclavable. Overall dimensions 180 x 45 x 120 mm / 7.1" x 1.8" x 4.7".



Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
3016-01	Pipet Filler	Each	52.00	15	1-2	<b>44.20</b>
					20	<b>41.60</b>

Item No.	Description	Qty	List Price	% Off List	Your Cost
3099-55	Replacement .45µm filters	Pack/5	36.95	30	<b>25.87</b>
3016-03	Replacement Adaptor, Silicone	Each	18.22	15	<b>15.49</b>



## macro™ Safety Pipetting Aid (BrandTech)

Special feature is the effective blow-out button...finally eliminates mouth pipetting even for those applications requiring blow-out! Provides fast, efficient and accurate onehanded control of manual pipetting operations. Each unit can be used with glass or plastic TD or TC pipets from 0.1 to 100 mL. Easy handling: a single lever controls liquid aspiration and delivery. Better control: unique valve system provides outstanding accuracy when adjusting both small or large volumes. Safer: a 3 µm disposable hydrophobic membrane filter acts as a barrier to prevent accidental contamination. Constructed of autoclavable and chemically resistant materials and is easily disassembled for cleaning. German made quality.

Item No.	Color	List Price	% Off List	Qty Break	Your Cost
3016-50	Gray	84.00	13	1-2	<b>73.08</b>
				18	<b>68.88</b>
3016-51	Blue	84.00	13	1-2	<b>73.08</b>
				18	<b>68.88</b>
3016-52	Magenta	84.00	13	1-2	<b>73.08</b>
				18	<b>68.88</b>
3016-54	Green	84.00	13	1-2	<b>73.08</b>
				18	<b>68.88</b>

## Replacement Parts

Item No.	Description	Qty Break	Your Cost
3016-57	Replacement Membrane Filters 3 µm autoclavable filters for Pipet Helper. Pack of 10.	1-2 3+	<b>55.73</b> <b>51.08</b>
3016-66	Replacement Valve System		<b>38.55</b>
3016-63	Replacement Silicone Adaptor		<b>9.52</b>

## Levo Pipette Controllers (Dynalab Corporation)

Levo Pipette Controllers are comfortable to hold and easy to use for precise pipetting with both glass and plastic volumetric and graduated pipettes from 0.1 to 100 mL. The filling and delivery area are easily controlled with a small sensitive lever. The convenient blow out feature expels residual liquid. The controller can be easily taken apart and cleaned whenever necessary. It uses a protective syringe filter, which is easily replaced after unscrewing the adapter support. The Levo Pipette Controller comes in four colors for quick identification. Dimensions: 2" width x 8" height.



Item No.	Color	Your Cost
3016-93	Blue	<b>49.28</b>
3016-94	Green	<b>49.28</b>
3016-95	Yellow	<b>49.28</b>
3016-96	Pink	<b>49.28</b>
3016-97	Membrane for Levo Pipette Controllers	<b>5.41</b>



3016-26



3016-47, 48, 49

### Fast-Release Pipet Pump™III (Bel-Art Scienceware 37904)

Improved user friendly shape for maximum comfort and ease of use. Thumb wheel conveniently located to aspirate and dispense gradually while fast release trigger provides rapid dispensing. Resistant to acids, alkalis and solvents, and is easily disassembled for thorough cleaning. No blow out feature.

Item No.	Fits Pipets, up to mL	Color Coded	List Price	% Off List	Your Cost
3016-22	2	blue	26.10	20	20.88
3016-24	10	green	26.35	20	21.08
3016-26	25	red	35.05	20	28.04

### Fast-Release Pipet Pump (Bel-Art Scienceware)

Provides easy pipetting and features a rapid-release lever. Use only with pipets calibrated to contain (no blow out feature). Rotating the knurled thumbwheel draws up or dispenses liquid.

Item No.	Fits Pipets, up to mL	Color Coded	List Price	% Off List	Your Cost
3016-47	2	blue	26.35	20	21.08
3016-48	10	green	26.35	20	21.08
3016-49	25	red	35.05	20	28.04

### Replacement Chuck

Item No.	Your Cost
3016-43	5.49

### Replacement Chuck Mounting

Item No.	Your Cost
3016-41	3.21



3016-30

3016-32

### Safety Pipet Filler

Three valves control vacuum for filling and delivering. Fits practically all pipets. Available in either natural rubber, or silicone rubber for a softer feel and greater chemical resistance.

Item No.	Description	Color	List Price	% Off List	Qty Break	Your Cost
3016-30	Natural Rubber	black	30.52	69	1-9	9.46
				76	10+	7.32
3016-40	Silicone	black	41.12	65	1-4	14.39
				73	5+	11.10
3016-32	Natural Rubber	red	30.52	69	1-9	9.46
				76	10+	7.32
3016-42	Silicone	red	41.12	65	1-4	14.39
				73	5+	11.10
3016-34	Natural Rubber	blue	30.52	69	1-9	9.46
				76	10+	7.32

### Pipet Rack (Scienceware)

Polypropylene. Holds 50 pipets. Top and middle decks have 16 mm diameter holes; bottom deck holes are tapered from 16 mm to 6 mm diameter. 8 3/8" X 4 1/2" X 8 3/4" high. Steam autoclavable at 121°C (250°F)



Item No.	List Price	% Off List	Your Cost
3026-26	38.35	20	30.68

## **NEW!** Sapphire Bottle Top Dispenser (LH Technologies)

*With Dual Inlet Technology*

Save time and increase lab productivity using the Sapphire Bottle Top Dispenser. This convenient dispenser uses a dual valve technology that allows you to simply rinse and refill your bottle—without dismounting the dispenser!

Featuring functionality, user-friendliness and performance, the Sapphire Bottle Top Dispenser operates in four modes: Dilution, Rinsing, Dual Liquid Handling and Re-circulation.

Item No.	Model No.	Vol. Range	Increment	Accuracy		CV		Your Cost
				±%	± ml	±%	± ml	
2902-40	BTSR2.5	0.25-2.5 ml	0.05 ml	0.6	0.015	0.2	0.005	475.00
2902-41	BTSR5	0.5-5 ml	0.1 ml	0.6	0.030	0.2	0.010	475.00
2902-42	BTSR10	1-10 ml	0.2 ml	0.6	0.060	0.2	0.020	475.00
2902-43	BTSR30	2.5-30 ml	0.5 ml	0.6	0.180	0.2	0.060	635.00
2902-44	BTSR60	5-60 ml	1.0 ml	0.6	0.360	0.2	0.120	635.00
2902-45	BTSR100	10-100 ml	2.0 ml	0.6	0.600	0.2	0.200	745.00





## Dispensette® S Bottletop Dispenser (BrandTech)

For fast, reproducible dispensing of chemicals. Numerous safety features are built-in. The "floating piston" design forms a zero-wear sealing system with outstanding sliding properties. Optimized flow channels makes for easy dispensing and priming.

Designed to fit directly onto 33 mm screw-neck bottles, but each Dispensette S comes complete with three polypropylene universal adapters to fit a variety of bottles. Autoclavable for sterile applications. One year warranty.

See selection chart on Website under Reference Tab to determine if your application requires the standard or organic model.

### Dispensette® S, Analog-adjustable

Item No.	Mfg Item No.	Volume mL	Increments mL	A* $\leq$ ± %	CV* $\leq$ μL	List Price	% Off List	Qty Break	Your Cost
2901-26	4600130	0.5-5	0.1	0.5	25	431.38	20	1	<b>345.10</b>
							25	2+	<b>323.54</b>
2901-27	4600140	1-10	0.2	0.5	50	431.38	20	1	<b>345.10</b>
							25	2+	<b>323.54</b>
2901-28	4600150	2.5-25	0.5	0.5	125	603.93	20	1	<b>483.14</b>
							25	2+	<b>452.95</b>

### Dispensette® S, Digital Easy Calibration™

Item No.	Mfg Item No.	Volume mL	Increments mL	A* $\leq$ ± %	CV* $\leq$ μL	List Price	% Off List	Qty Break	Your Cost
2901-30	4600330	0.5-5	0.02	0.5	25	492.28	20	1	<b>393.82</b>
							25	2+	<b>369.21</b>
2901-31	4600340	1-10	0.05	0.5	50	492.28	20	1	<b>393.82</b>
							25	2+	<b>369.21</b>
2901-32	4600350	2.5-25	0.1	0.5	125	664.83	20	1	<b>531.86</b>
							25	2+	<b>498.62</b>

### Dispensette® S Organic, Analog-adjustable

Item No.	Mfg Item No.	Volume mL	Increments mL	A* $\leq$ ± %	CV* $\leq$ μL	List Price	% Off List	Qty Break	Your Cost
2901-34	4630130	0.5-5	0.1	0.5	25	466.90	20	1	<b>373.52</b>
							25	2+	<b>350.18</b>
2901-35	4630140	1-10	0.2	0.5	50	466.90	20	1	<b>373.52</b>
							25	2+	<b>350.18</b>
2901-36	4630150	2.5-25	0.5	0.5	125	654.68	20	1	<b>523.74</b>
							25	2+	<b>491.01</b>

### Dispensette® S Organic, Digital Easy Calibration™

Item No.	Mfg Item No.	Volume mL	Increments mL	A* $\leq$ ± %	CV* $\leq$ μL	List Price	% Off List	Qty Break	Your Cost
2901-38	4630330	0.5-5	0.02	0.5	25	543.03	20	1	<b>434.42</b>
							25	2+	<b>407.27</b>
2901-39	4630340	1-10	0.05	0.5	50	543.03	20	1	<b>434.42</b>
							25	2+	<b>407.27</b>
2901-40	4630350	2.5-25	0.1	0.5	125	730.80	20	1	<b>584.64</b>
							25	2+	<b>548.10</b>

A\*=Accuracy, CV\*=Coefficient of Variation

\*The value of accuracy and coefficient of variation are final test values referring to the delivered nominal volume, instrument and distilled water at equilibrium with ambient temperature (20°C/68°F) and with smooth operation.



2902-04

## seripettor® Economy Dispenser (BrandTech)

Rugged construction and affordably priced. Ideal for routine lab use with buffers, dilute acids, bases, biological media, polar solvents. Easy to operate, clean and maintain. Low cost replaceable wear parts for long life. Includes adapters for most reagent bottles. One year warranty.

Item No.	Size	Adjustable Volume	Subdivision mL	Inaccuracy	Reproducibility, <= %	List Price	% Off List	Qty Break	Your Cost
2902-04	10 mL	1-10 mL	0.2	$\leq \pm 1.2$	0.2	132.00	18	1-2	<b>108.24</b>
							23	3+	<b>101.64</b>
2902-08	25 mL	2.5-25 mL	0.5	$\leq \pm 1.2$	0.2	167.00	18	1-2	<b>136.94</b>
							23	3+	<b>128.59</b>

### Replacement Parts for seripettor® (BrandTech)

Item No.	Description	Quantity	Your Cost
2902-10	Dispensing cartridge for 10 mL	pack/3	<b>51.73</b>
2902-12	Dispensing cartridge for 25 mL	pack/3	<b>73.11</b>
2902-14	Filling tube, PP, 250 mm	pack/2	<b>9.23</b>
2902-16	Filling tube, PP, 500 mm	pack/2	<b>13.05</b>
2902-18	Valve set (1 filling valve, 1 discharge valve, 2 seals)	each	<b>33.24</b>
2902-20	Discharge tube, PP	each	<b>32.63</b>

### ACCESSORIES: FOR DISPENSERS



Tilt Measures see page 76.



# pH Meters

## Orion Star® A210 Series Benchtop pH Meter (Thermo Scientific)

- Up to 5 point pH calibration with automatic recognition for USA/NIST and DIN buffers
- AUTO-READ® locks in the stable reading on your screen, ready indicator alerts when readings are stable and timed reading gathers data in specific time intervals
- Plain language screen prompts, soft keys that update for easy selection and a multilanguage interface
- Fix calibration errors without a complete recalibration with calibration editing
- Non-volatile memory holds up to 2000 data points with time and date stamp
- Easily transfer data and keep meter software up-to-date with the USB and RS232 ports and complimentary data analysis software
- Mix samples without a stir plate with direct control of the Orion Star stirrer probe (096019, sold separately)
- Included electrode arm and newly-designed probe holder make it easier to maintain and place probes into samples
- Included universal AC power adapter, or use four AA batteries (sold separately)
- IP54-rated housing handles splashes and is wall-mountable if table space is a problem



pH Range	-2.000 to 20.000
pH Resolution	0.1, 0.01, 0.001
pH Relative Accuracy	±0.002
mV Range	±2000.0
mV Resolution	0.1
mV Relative Accuracy	±0.2 mV or ±0.05% of reading whichever is greater
Temperature Range	-5 to 105
Temperature Resolution	0.1
Temperature Relative Accuracy	±0.1
Inputs	BNC, reference pin, 8-pin mini-DIN, stirrer port
Battery Life	2000 hours
Certifications	CE, TUV, FCC Class A limits
Warranty	3 year meter replacement

Item No.	Description	Mfg Item No.	List Price	% Off List	Qty Break	Your Cost
<b>3801-15</b>	pH Benchtop Meter only	StarA2110	838.00	15	1	<b>712.30</b>
				22	2+	<b>653.64</b>
<b>3801-16</b>	pH Benchtop Meter Kit includes:	StarA2115	1140.00	15	1	<b>969.00</b>
	Ross Ultra Triode Refillable Electrode (Weber #3802-12)	8302BNUMD		22	2+	<b>889.20</b>
	pH 4.01 Buffer (475 mL)	910104				
	pH 7.00 Buffer (475 mL)	910107				
	pH 10.01 Buffer (475 mL)	910110				
	pH electrode storage solution	810001				
	Electrode cleaning solution (4 x 30 mL)	900023				

FIND IT AT WEBERSCIENTIFIC.COM

• *Benchtop ISFET pH & ISE Meters (Hach)*

## Orion Star® A110 Series Benchtop pH Meter (Thermo Scientific)

- Up to 3 point pH calibration with automatic recognition for USA/NIST and DIN buffers
- AUTO-READ® locks in the stable reading on your screen, ready indicator alerts when readings are stable and timed reading gathers data in specific time intervals
- Large, informative screen clearly shows the main information, including pH or mV reading, temperature, meter mode, calibration information, and power source
- Easily recall calibration slope data for procedure checks
- Non-volatile memory holds up to 50 data points with time and date stamp
- Included electrode arm and newly-designed probe holder make it easier to maintain and place probes into samples
- Included universal AC power adapter, or use four AA batteries (sold separately)
- IP54-rated housing handles splashes and is wall-mountable if table space is a problem



Specifications	
pH Range	-2.000 to 16.000
pH Resolution	0.1, 0.01
pH Relative Accuracy	±0.01
mV Range	±1600.0
mV Resolution	0.1
mV Relative Accuracy	±0.2 mV or ±0.05% of reading whichever is greater
Temperature Range	-5 to 105
Temperature Resolution	0.1
Temperature Relative Accuracy	±0.1
Ambient Operating Temperature	5 to 45°C (-15 to 113°F)
Inputs	BNC, 8-pin mini-DIN
Power Requirements	AC adaptor (included) 4 AA (sold separately) 2000 hours life; replacement AC adaptor # 1068-22
Certifications	CE, TUV, FCC Class A limits
Warranty	3 year meter replacement

Item No.	Description	Mfg Item No.	List Price	% Off List	Qty Break	Your Cost
<b>3801-21</b>	pH Benchtop Meter only	StarA1110	538.00	15	1	<b>457.30</b>
				22	2+	<b>419.64</b>
<b>3801-22</b>	pH Benchtop Meter Kit includes:	StarA1115	796.00	15	1	<b>676.60</b>
	Orion Triode Refillable Electrode (Weber #3802-17)	9157BNMMD		22	2+	<b>620.88</b>
	pH 4.01 Buffer (475 mL)	910104				
	pH 7.00 Buffer (475 mL)	910107				
	pH 10.01 Buffer (475 mL)	910110				
	pH electrode storage solution	910060				
	Electrode cleaning solution (4 x 60 mL)	900024				
<b>3801-20</b>	pH Benchtop Meter Kit includes:	StarA2116	1170.00	15	1	<b>994.50</b>
	ROSS Ultra Triode epoxy-body pH/ATC electrode	8157BNUMD		22	2+	<b>912.60</b>
	ROSS pH buffer and solution kit	810199				

NEW!



**WEBER**  
Everyday  
**LOW**  
Prices!

## Orion Star® A220 Series Portable pH Meter (Thermo Scientific)



- Up to 5 point pH calibration with automatic recognition for USA/NIST and DIN buffers
- AUTO-READ® locks in the stable reading on your screen, ready indicator alerts when readings are stable and timed reading gathers data in specific time intervals
- The large, backlit graphic LCD display shows pH/mV/RmV and temperature along with electrode status, time, date and calibration points
- Plain language screen prompts, soft keys that update for easy selection and a multilanguage interface
- Fix calibration errors without a complete recalibration with calibration editing
- Non-volatile memory holds up to 1000 data points with time and date stamp
- Easily transfer data and keep meter software up-to-date with the USB and RS232 ports and complimentary data analysis software
- Mix samples without a stir plate with direct control of the Orion Star stirrer probe (096019, sold separately)
- Included electrode arm and newly-designed probe holder make it easier to maintain and place probes into samples
- Perfectly portable, waterproof and protected to take anywhere with a IP67-rated housing

## Benchtop pH/mV/°C Meter (Oakton pH700)

**Datalogging allows you to store and recall up to 100 data set**

- Compact footprint is over 40% smaller than other benchtop meters
- Large display permits easier readout viewing
- Large, dual-display LCD
- Automatic temperature compensation (ATC) maintains reading accuracy
- Five-point pH calibration, with automatic buffer recognition HOLD, ATC, and electrode diagnostics
- BNC connector

Specifications	
pH Range	-2.000 to 16.000
pH Resolution	0.01
pH Relative Accuracy	±0.01
mV Range	±2000.0
mV Resolution	0.1
mV Relative Accuracy	±0.2 mV
Temperature Range	0 to 100°C
Temperature Resolution	0.1°C
Temperature Relative Accuracy	±0.3°C
Warranty	3 year meter replacement

Item No.	Description	List Price	% Off List	Your Cost
3816-15	Meter only	476.00	20	380.80

NOTE: Electrode and electrode holder available separately.

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• **Orion Versa Star® Series Benchtop pH Meter (Thermo Scientific)**

Specifications	
pH Range	-2.000 to 20.000
pH Resolution	0.1, 0.01, 0.001
pH Relative Accuracy	±0.002
mV Range	±2000.0
mV Resolution	0.1
mV Relative Accuracy	±0.2 mV or ±0.05% of reading whichever is greater
Temperature Range	-5 to 105
Temperature Resolution	0.1
Temperature Relative Accuracy	±0.1
Inputs	BNC, reference pin, 8-pin mini-DIN
Output	RS-232, USB
Power Requirements	Four AA batteries included (AC adaptor sold separately) Item number 1068-22 800 hours
Certifications	CE, TUV, FCC Class A limits
Warranty	3 year meter replacement

Item No.	Description	Mfg Item No.	List Price	% Off List	Qty Break	Your Cost	
3801-18	pH Portable Meter only	StarA2210	580.00	15	1	493.00	
					22	2+	452.40
3801-19	pH Portable Meter Kit includes: Ross Triode gel-filled epoxy-body waterproof electrode (Weber #3808-76) pH 4.01 Buffer (10 pouches) pH 7.00 Buffer (10 pouches) pH 10.01 Buffer (10 pouches) pH electrode storage solution Electrode cleaning solution (10 pouches)	StarA2215	1134.00	15	1	963.90	
					22	2+	884.52
					8107UWMMD		
					810410		
					910710		
					911010		
					810001		
					911110		



### Waterproof pH & ISE 450 Portable Meter with Electrode (Oakton)

The meter offers pH, ISE, and temperature in an IP67-rated waterproof housing, making it ideal for the manufacturing floor, field testing, and the laboratory. The large, backlit LCD lets you view the main measurement simultaneously with temperature and calibration data with % slope. Calibrate pH and ISE with up to six points from USA, NIST, DIN, and custom pH buffers. Automatic temperature compensation (ATC) ensures measurement accuracy even in fluctuating temperatures. Select temperature reading from degree C or degree F to suit your application.

pH range:	-2.00 to 16.00 pH
pH resolution:	0.01 pH
pH accuracy:	±0.01 pH
mV range:	±2000
mV resolution:	0.1 to 1
mV accuracy:	±0.2
Temperature range:	-10 to 110 °C
Temperature resolution:	0.1°C
Temperature accuracy:	±0.5°C
Warranty:	Three year for meter, six months for probe.

Item No.	Description	List Price	% Off List	Your Cost
3801-76	Waterproof pH & ISE 450 portable meter with electrode	621.00	20	496.80
3814-23	Replacement "All-in-One" Electrode waterproof with single junction and epoxy body	111.00	20	88.80
3801-80	Optional Temperature Probe	70.00	15	59.50



### FREE Samples Are Available

We carry a sample inventory for all products identified by this symbol. Please contact us to request your free sample.

Wendy Lloyd  
Sales and Marketing Support  
wlloyd@weberscientific.com



### pH 5+ Hand-Held Meter (Oakton)

High ±0.01 pH accuracy at economical prices

- Reads pH and temperature
- All push button operation
- Auto buffer recognition
- Use with most pH electrodes with BNC connectors
- Hold function; Auto-off
- Automatic Temperature Compensation (ATC)
- Three-point pH calibration
- Includes (4) 1.5 V AA batteries

The microprocessor-based pH 5+ meter is OAKTON's most economical portable pH meter, yet it gives you the same high accuracy and reliability of other portable meters! Use this meter to take routine pH and temperature measurements. Meter includes a protective rubber boot that also acts as a meter stand.

Specification	pH	Temperature
Range	0.00 to 14.00	0.0 to 100.0°C
Resolution	0.01	0.1°C
Accuracy	±0.01	±0.5°C
Calibrations	5 points (1.68, 4.01, 7.01, 10.01, 12.45)	Offset 0.1°C increments

Item No.	Description	List Price	% Off List	Your Cost
3815-24	pH 5+ Meter with ATC probe, rubber boot, and batteries. Purchase electrode separately. 6 3/16" x 3 3/8" x 1 11/16" (15.7 x 8.5 x 4.2 cm)	241.00	20	192.80
3815-25	pH 5+ Meter with single-junction, sealed, epoxy-body electrode, ATC probe, rubber boot, and batteries	282.00	20	225.60
3815-26	pH 5+ Meter kit with "All-in-one" pH electrode, pH buffer solutions, sample bottles, rubber boot, batteries, and carrying case	367.00	20	293.60

Item No.	Description	List Price	% Off List	Your Cost
3815-33	ATC probe	48.25	20	38.60
3815-31	pH electrode, single junction, epoxy body, sealed	52.25	20	41.80
3815-28	All-in-one pH electrode, single junction, epoxy body, sealed	93.25	20	74.60
3815-29	All-in-one pH electrode, double junction, epoxy body, sealed	137.00	20	109.60

## edge™ Tablet pH Meter Kit (Hanna)


**INNOVATIVE  
PRODUCT**

**A pH meter with the power of a tablet computer for only \$409!**

- The design works well in your hand, on a lab bench or mounted on a wall
- Just 1/2" thick and weighs less than 9 ounces
- Wide viewing angle and 5.5" LCD screen
- Sensitive capacitive touch keypad
- Powerful data logging and computer connectivity
- Digital electrodes have a built in microchip and are auto-recognized, providing sensor type, calibration data and a serial number
- Electrodes connect to the meter with an easy to plug-in 3.5mm connector (all electrodes are specific to this tablet meter)
- Electrodes feature CAL-CHECK® to warn you if the electrode you are using is not clean or if your buffers are contaminated during calibration.
- Stored pH calibration information includes: calibrated buffers, date, time, offset and slope characteristics of the electrode
- Rechargeable 8 hour life battery charges through USB port cable or power adaptor (both included)



Item No.	Mfr Item No.	Description	Your Cost
<b>3804-55</b>	HI2020-01	pH kit includes Single ceramic, double junction, high temperature glass, refillable pH electrode with double junction (Weber #3804-56) <ul style="list-style-type: none"> <li>• Benchtop docking station with electrode holder, wall-mount cradle, USB cable, 5 VDC power adapter and instruction manual</li> <li>• 2 sachets of pH 4 buffer solutions</li> <li>• 2 sachets of pH 7 buffer solutions</li> <li>• 2 sachets of pH 10 buffer solutions</li> <li>• Electrode cleaning solutions</li> <li>• Quality certificate</li> </ul>	<b>409.00</b>

Item No.	Mfr Item No.	Description	Your Cost
<b>3804-56</b>	HI11310	Single ceramic, double junction, refillable pH electrode with temperature sensor	<b>145.00</b>
<b>3804-57</b>	HI11311	Single ceramic, double junction, refillable pH electrode with temperature sensor and matching. Features Sensor Check which will notify you of glass breakage.	<b>160.00</b>
<b>3804-58</b>	HI12300	Double junction, gel filled, PEI body, pH electrode with temperature sensor	<b>105.00</b>
<b>3804-59</b>	HI12301	PEI body, double junction, gel filled pH electrode with temperature sensor and matching pin	<b>115.00</b>
<b>3804-60</b>	HI10530	Triple ceramic, single junction, low temperature glass, refillable pH electrode with conical tip and temperature sensor. Recommended for fats and creams, and soil samples	<b>175.00</b>
<b>3804-61</b>	HI10430	Single ceramic, double junction, high temperature glass, refillable pH electrode with double junction. Recommended for paints, solvents, strong acids and bases, high conductivity samples, and Tris buffer	<b>185.00</b>

Models	3804-55 and 3804-62
<b>Range</b>	standard mode: -2.00 to 16.00 pH, -2.000 to 16.000 pH; ±1000 mV; basic mode: -2.00 to 16.00 pH; ±1000.0 mV
<b>Resolution</b>	standard mode: 0.01 pH; 0.001 pH; basic mode: 0.1 mV
<b>Accuracy</b>	±0.01 pH; ±0.002 pH; ±0.2 mV
<b>Calibration Points</b>	5 in standard mode; 3 in basic mode
<b>Calibration Buffers</b>	standard mode: 1.68, 4.01, 6.86, 7.01, 9.18, 10.01, 12.45 and two custom buffers basic mode: 4.01, 6.86, 7.01, 9.18, 10.01
<b>Temperature Compensation</b>	ATC (-5.0 to 100.0°C; 23.0 to 212.0°F)
<b>Electrode Diagnostics</b>	standard mode: probe condition, response time and out of calibration range, glass and reference junction diagnostics (HI 11311 & HI 12301 only)
<b>Temperature</b>	
Range	-20.0 to 120.0°C; -4.0 to 248.0°F
Resolution	0.1°C; 0.1°F
Accuracy	±0.2°C; ±0.4°F
<b>Additional Specifications</b>	
Logging	stores up to 1000 records: 200 records (log-on-demand and stability logging); 600 records interval logging
Connectivity	1 USB port for storage; 1 micro USB port for charging and PC connectivity
pH Electrode (included)	glass body pH electrode with 1/8"(3.5mm) 4. conductor connector and 1 m (3.3') cable
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Power Supply	Rechargeable 8 hour life battery charges with USB cable or 5 VDC adapter (both included)
Dimensions	202 x 140 x 12.7mm (8" x 5.5" x 0.5")
Weight	250 g (8.82 oz.)
Warranty	Two years on the meter and six months on the electrodes

## Waterproof Dairy and Meat pH Meters (Hanna Instruments)

Choose a meter to meet your specific application

### Waterproof Dairy and Cheese pH Meter

Special pH electrode is designed for use in the dairy industry. The electrode has a built-in temperature sensor; a rugged, easy to clean, Kynar® body that tapers to a strong conic tip suitable for semisolids applications such as meats and cheeses, and features a free diffusion sleeve type reference junction, which prevents the typical problems of clogging in viscous liquids or samples with high solids content such as milk. The non-toxic electrolyte inside the electrode is free from silver chloride.

- Automatic temperature compensation
- Automatic calibration with auto recognition and a stability indicator.
- The temperature is continuously displayed on the secondary level of the large LCD.
- The meter runs on common 1.5 AA type batteries and the LCD provides a low battery warning signal.
- Includes sachets of pH 4 and 7 buffers and cleaning solution.

### Waterproof Portable Meat pH Meter

The specially designed electrode incorporates many essential features to perform reliably without damaging the sample. This probe has a built-in temperature sensor that provides automatic temperature compensation, an open junction to avoid a clogged reference and its external body material is non-toxic and food compatible.

The probe body has an external thread to securely screw on the stainless steel penetration blade. Allows the user to measure not only the surface, but also the internal pH of the meat.

- This pH meter is simple to use with only 2 buttons. All necessary information is clearly displayed on the LCD.
- Displays pH, temperature and indicates the reading stability and remaining battery charge.
- Calibration is automatic at 1 or 2 points, selectable between 2 memorized buffer sets.
- Battery life is more than 1000 hours and the instrument automatically turns off after 8 minutes of inactivity.
- Includes sachets of pH 4 and 7 buffers and cleaning solution.



SPECIFICATIONS for Dairy and Cheese and Meat pH Meters		
Range	pH	-2.00 to 16.00 pH
Range	Temperature	-5.0 to 105.0°C; 23.0 to 221.0°F
Resolution	pH	0.01 pH
Resolution	Temperature	0.1°C; 0.1°F
Accuracy (@20°C)	pH	±0.02 pH
Accuracy (@20°C)	Temperature	±0.5°C up to 60°C; ±1°C outside; ±1°F up to 140°F; ±2°F outside
pH Calibration		Automatic 1 or 2 point calibration with 2 sets of memorized buffers
Temperature Compensation		Automatic
pH Electrode (Included)		FC 202D pre-amplified pH/temperature electrode with DIN connector and 1 m (3.3' cable)
Battery Type / Life		1.2V AAA / Approximately 200 hours of continuous use. Auto-off After 8 minutes of non-use
Environment		0 to 50°C (32 to 122°F); RH max 100%
Dimensions		150 x 58 x 29 mm (5.9 x 2.8 x 1.1")
Weight		205g (7.2 oz.)
Warranty		Two years

Item No.	Mfr. Item No.	Description	Your Cost
3804-40	HI99161N	Dairy and Cheese pH Meter Kit	450.00
3804-45	HI99163N	Meat pH Meter Kit	450.00

### Replacement Electrodes

Item No.	Mfr. Item No.	Description	Your Cost
3804-41	FC202D	Replacement for 3804-40, Dairy pH Meter	175.00
3804-46	FC232D	Replacement for 3804-45, Meat pH Meter	220.00





## Checker® pH Tester (HANNA HI98103)

The pH Checker® series supplies users with fast and accurate readings from 0 to 14 pH with a resolution of 0.01 pH. This compact pH meter features an easy-to-read LCD and simple to perform two-point calibration. The pH electrode of the Checker® can be easily replaced. You only need to unscrew the electrode from the meter body and screw on a new one. The Checker® is fast, accurate, lightweight and with 3000 hours of battery life, you no longer have to worry about frequent battery replacement.

### Specifications

pH Range	0.00 to 14.00 pH
pH Resolution	0.01 pH
pH Accuracy	±0.2 pH
Calibration	manual, two points
Battery Type/Life	1.5V (2) / approximately 3000 hours of continuous use
Electrode/Probe	HI1270 (included)
Environment	0 to 50°C (32 to 122°F); RH max 95%
Dimensions	66 x 50 x 25 mm (2.6 x 2.0 x 1.0") - without probe
Weight	50 g (1.8 oz.) - without probe
Ordering Information	HI98103 (Checker®) is supplied with HI1270 pH electrode, batteries and instructions.

## edge® blu Bluetooth® Smart pH Electrode and Meter (Hanna HI2202)

### Bluetooth connectivity, extreme portability

edge blu enables the user to make fast, accurate pH measurements wirelessly using the Hanna HALO™ Bluetooth digital sensor. Each HALO™ probe has a unique serial number. Once connected to the meter, the probe is ready to measure pH along with temperature.

The user interface permits you to adapt edge blu to your exact measurement requirements. The intuitive design simplifies configuration, calibration, measurement, data logging and transfer of data to a USB thumb drive or computer. edge.blu also offers a basic operation mode that streamlines measurement configuration and is useful for many routine applications.

edge blu is versatile in many ways. The slim meter and probe can be used as a portable device (using its rechargeable battery) or used in its bench or wall cradle (that also power the meter) as a line-powered laboratory instrument.

- Sleek, clean, intuitive design
- Bluetooth connectivity, extreme portability
- Internal clock and date
- Adjustable pH resolution
- Dedicated GLP key
- GLP data included with logged data
- Basic mode for simplified operation
- Simplified data transfer to a PC
- Up to 8 hour battery life when used as a portable device

Item No.	Mfr. Item No.	Description	Your Cost
3804-62	HI2202	edge® blu Bluetooth® includes HI11102 glass body, gel filled pH electrode with temperature sensor <ul style="list-style-type: none"> <li>• Benchtop docking station with electrode holder, wall-mount cradle, USB cable, 5VDC power adapter and instruction manual</li> <li>• 2 sachets of pH 4 buffer solutions</li> <li>• 2 sachets of pH 7 buffer solutions</li> <li>• 2 sachets of pH 10 buffer solutions</li> <li>• Electrode cleaning solutions</li> <li>• Quality certificate</li> </ul>	615.00

Item No.	Mfr. Item No.	Description	Your Cost
3806-81	HI98103	Checker® pH Tester	29.50
3806-82	HI1270	Probe replacement	25.00

## FIND IT AT WEBERSCIENTIFIC.COM



• **Orion Star® A120 Series**  
**Portable pH Meter**

\* **Waterproof Portable Beer pH Meter Kit**  
**(Hanna HI99151)**

• **Waterproof pH/CON 450 Meter (Oakton)**

• **Test Tube pH Pen from Sper**

## ExStik™ Pocket pH Meter (Extech PH100)

**Waterproof flat surface electrode works with liquids, semi-solids or solids!**

This pocket-size meter has many advanced features:

- Simultaneous temperature display with a range of 23° to 194°F (-5 to 90°C).
- The flat electrode tests as little as one drop and allows for a wide range of direct surface pH measurement.
- Memory stores and recalls 15 labeled readings and saves last calibrated value.
- Analog bargraph originates at neutral point (pH 7) and fluctuates to the left or right depending upon pH value.
- Smart chip alerts user to recalibrate with "CAL" display, and predicts pH electrode performance with "RENEW" indicator when replacement is needed.
- Display indicates when reading has stabilized.
- Annunciator lists buffer values of last calibration.



Complete with protective sensor cap, sample cup, Includes four CR2032 lithium ion batteries; replacement 3039-51 and neck-strap.

SPECIFICATIONS	
Range	0.00 to 14.00
Resolution	0.01
Accuracy	±0.01
Replaceable Electrode	Yes
Waterproof/Splash Resistant	Waterproof
Calibration Button	Yes—3 pts
Hold Button	Yes
Battery Life	Long-life
Auto-Off	Yes
Size, inches/mm	6.8" x 1.5"; 173 x 38 mm
Warranty	One year

Item No.	Description	Your Cost
3805-70	Waterproof	108.32

### Replacement Electrode for 3805-70 (Extech PH105)

Item No.	Your Cost
3805-71	48.74

## Refillable ExStik® Pocket pH Meter (Extech PH110)

Has all the same features as the PH100 (3805-70) but with a refillable pH electrode that can be reused by refilling the reference solution once it depletes. This allows for continuous high accuracy using fresh reference solution, and eliminates the concern of electrode shelf life. Refilling is fast and easy.

Specifications	
Range	0.00 to 14.00
Resolution	0.01
Accuracy	±0.01
Replaceable Electrode	Yes
Waterproof/Splash Resistant	Waterproof
Calibration Button	Yes—3 pts
Hold Button	Yes
Battery Life	Long-life
Auto-Off	Yes
Size, inches/mm	6.8" x 1.5"; 173 x 38 mm

Item No.	Your Cost
3805-72	129.98

Refillable electrode



### Replacement Electrode for 3805-72 (Extech PH115)

Item No.	Your Cost
3805-74	59.57

### Reference Refill Solution for 3805-72 (Extech PH113)

Includes 1.5mL bottle KCl, 2 reference junctions and 2 removal tools.

Item No.	Your Cost
3805-60	20.57



### Consider Placing a Standing Order!

Many products have quantity discounts. You are often eligible to pay the lowest prices by placing a standing order. Please contact us for all the details.

Dwuana Brown,  
Customer Service Supervisor  
800-328-8378  
[dbrown@weberscientific.com](mailto:dbrown@weberscientific.com)

## Waterproof pHTestrs™ and pH Spear (Oakton)

Large screen pHTestrs have replaceable sensors for easy maintenance. Double-junction electrode sensors offer a clog-resistant Kynar® junction and a recessed, glass pH bulb to protect against breakage. Waterproof design even floats. The keypad clicks to confirm operation, and allows access to a variety of functions. Calibrate up to three pH points with the auto-buffer recognition at both USA and NIST standard buffers. Additional features include an Automatic Temperature Compensation (ATC) hold function, auto-off function, self-diagnostic error messages, and a three-segment battery life indicator.

pHTestr 30 displays both the pH and temperature simultaneously. Temperature is switchable between °F and °C. Includes four LR44 button cell batteries; replacement #3029-60. One year warranty.

Item No.	3806-09	3806-31	3806-35	3806-55
Range	-1.0 to 15.0	-1.0 to 15.0	0.00 to 15.0	-1.0 to 15.0
Resolution	0.1	0.01	0.01	0.01
Accuracy	±0.1	±0.01	±0.01	±0.01
Replaceable Electrode	Yes	Yes	Yes	Yes
Waterproof/ Splash Resistant	Waterproof			
Calibration Button	Yes—3pts			
Hold Button	Yes			
Battery Life	>500 hr			
Auto-Off	Yes			
Size, inches/mm	5.9x1.5" 150x38mm	6.5 x1.5" 165x38mm	6.5 x1.5" 165x38mm	6.5 x1.5" 165x38mm



3806-09

3806-31

3806-35

3806-55

Item No.	Mfr Item No.	Description	List Price	% Off List	Your Cost
3806-09	35634-10	pHTestr 10, 0.1 pH resolution	99.25	20	<b>79.40</b>
3806-31	35634-20	pHTestr 20, 0.01 pH resolution	112.00	20	<b>89.60</b>
3806-35	35364-30	pHTestr 30, 0.01 pH resolution with temperature display	122.00	20	<b>97.60</b>
3806-55	35634-40	pH Spear, for soft and semi-solids, 0.01 pH resolution	319.00	20	<b>255.20</b>

Item No.	Mfr Item No.	Description	List Price	% Off List	Your Cost
3806-40	35624-38	replacement electrode for pHTestrs™	75.25	20	<b>60.20</b>
3806-56	35634-50	replacement electrode for pH Spear	197.00	20	<b>157.60</b>



## Waterproof Large Display pH Pen (Sper Scientific)

Highly stable and accurate readings with large LCD display. Designed for simple one-hand operation. Automatically calibrates to pH 4, 7, 10 buffers and can be adjusted to recognize non-standard buffers as well. Features hold function, and auto power off with low battery indicator. The case is IP65 waterproof, and will float if accidentally dropped into the water. Includes four LR44 button cell batteries; replacement #3029-60 and a built-in electrode which is kept moist with a protective cap. One year warranty.

Item No.	3806-70	3806-72
Range	2.00 to 12.00	0.00 to 14.00
Resolution	0.1	0.1
Accuracy	±0.3	±0.2
Replaceable Electrode	No	No
Waterproof/ Splash Resistant	Waterproof	Waterproof
Calibration Button	Yes—3pts	Yes—3pts
Hold Button	Yes	Yes
Battery Life	>500 hr	>500 hr
Auto-Off	Yes	Yes
Size, inches/mm	6.5 x1.5" 165x38mm	6.5 x1.5" 165x38mm

Item No.	Mfr Item No.	Description	List Price	% Off List	Your Cost
3806-70	850050	non-ATC	38.00	20	<b>30.40</b>
3806-72	850051	ATC	46.00	20	<b>36.80</b>



## Triode™/All in One, Electrodes

Ag/AgCl internal reference system and built-in thermistor for Automatic Temperature Compensation (ATC).



### ROSS Ultra® pH/ATC Triode Electrode (Orion Star Series 8107BNUMD)

**Epoxy body and low maintenance gel; BNC-MiniDIN**

Recommended use: May be used where metallic reference electrodes would contaminate the sample as well as samples that contain TRIS, sulfides or proteins. Capillary Junction. Manufactured for Orion Star Series. 18 mo. warranty.

Item No.	List Price	% Off List	Qty Break	Your Cost
3808-77	495.00	15		<b>420.75</b>



### AquaPro ATC Triode™ pH Electrode (Orion 9107APMD)

**Low maintenance sealed non-refillable; Waterproof BNC (MiniDIN ATC)** One year warranty.

**Recommended Use:** Open junction for rugged and low maintenance applications such as environmental and field-testing.

Item No.	List Price	% Off List	Qty Break	Your Cost
3808-65	287.00	18	1	<b>235.34</b>
		20	2+	<b>229.60</b>



### NoCal® ATC Epoxy pH Electrode (Orion 5107BNMD)

**Maintains calibration for one year; sealed non-refillable; Waterproof BNC (MiniDIN ATC)** Six month warranty.

**Recommended Use:** Stable, high performance analysis in the field. Patent pending internal reference solution maintains calibration for one year!

Item No.	List Price	% Off List	Qty Break	Your Cost
3808-70	411.00	18	1	<b>337.02</b>
		20	2+	<b>328.80</b>



### Triode™ 3-in-1 pH/ATC Probe Epoxy pH Electrode (Orion 9157BN)

**Refillable; BNC/DIN**

**Recommended Use:** Routine pH. Ideal for field or plant use.

Use with Orion A Series and Aplus Series 210, 230, 250, 410, 420, 520, 525, 710, 720, 920 Meters.

Item No.	List Price	% Off List	Qty Break	Your Cost
3802-20	375.00	18	1	<b>307.50</b>
		20	2+	<b>300.00</b>



### Triode™ 3-in-1 pH/ATC Probe Epoxy pH Electrode (Orion 9107BN)

**Sealed non refillable; BNC/DIN** Six month warranty.

**Recommended Use:** Routine pH. Ideal for field or plant use. Portable, little or no maintenance needed.

Use with Orion 210, 230, 250, 410, 420, 520, 525, 710, 720, 920 A Series and A+ Series Meters.

Item No.	List Price	% Off List	Qty Break	Your Cost
3802-05	253.00	18	1	<b>207.46</b>
		20	2+	<b>202.40</b>



### ROSS® Triode™ Ultra pH/ATC Glass pH Electrode (Thermo Orion 8302BNUMD)

**Refillable; BNC-MiniDin**

**Recommend use:** General purpose pH where long-life is a must. Ultra means double the life and double the warranty.

Item No.	List Price	% Off List	Qty Break	Your Cost
3802-12	583.00	18	1	<b>478.06</b>
		20	2+	<b>466.40</b>



### Triode™ pH/ATC Epoxy pH Electrode (Thermo Orion 9107BNMD)

**Sealed non-refillable gel; BNC-MiniDin**

**Recommend use:** Lower maintenance routine pH.

Item No.	List Price	% Off List	Qty Break	Your Cost
3802-14	270.00	18	1	<b>221.40</b>
		20	2+	<b>216.00</b>



### Triode™ pH/ATC Epoxy pH Electrode (Thermo Orion 9157BNMD)

**Refillable; BNC-MiniDin**

**Recommend use:** Routine pH.

Item No.	List Price	% Off List	Qty Break	Your Cost
3802-17	378.00	18	1	<b>309.96</b>
		20	2+	<b>302.40</b>



### All-in-One, Gel Filled, Epoxy pH Electrodes (Oakton 35811-71/72)

**Sealed non-refillable; BNC/phono** Six month warranty.  
**Recommended Use:** Economical general purpose electrode. For use with newer Oakton meters.

Item No.	Description	List Price	% Off List	Your Cost
3815-28	Single-junction	93.25	20	<b>74.60</b>
3815-29	Double-junction	137.00	20	<b>109.60</b>

### ATC Probes

Compensation ATC probes transmit a signal to the pH meter, which automatically corrects pH measurements for variation in electrode slope due to temperature change



### Stainless Steel ATC Probe (Orion 927007MD)

#### MiniDIN

**Recommended Use:** ATC probes have an extremely durable body and are ideal for food samples, organic solvents and rugged environments. The probe has an 8 pin MiniDIN connector and is designed for use with the Orion Star series meters.

Item No.	List Price	% Off List	Your Cost
3802-98	347.00	16	<b>291.48</b>

### Double Junction, Epoxy Electrodes



### AquaPro Flat Surface Epoxy pH Electrode (Orion 9135APWP)

**Low maintenance sealed non-refillable; Waterproof BNC**  
**Recommended Use:** Moist surfaces such as meat, cheese or agar gel. Open junction for rugged and low maintenance applications such as environmental and field-testing.

Item No.	List Price	% Off List	Qty Break	Your Cost
3808-60	399.00	18	1	<b>327.18</b>
		20	2+	<b>319.20</b>



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### ROSS Sure-Flow Epoxy pH Electrode (Orion 8165BNWP)

**Refillable; Waterproof BNC**

**Recommended Use:** May be used intermittently in some organics. Polar organic compounds should be strictly avoided. Field pH measurement where stability and high performance is desired, on-site soil pH.

Easy to clean junction never clogs. A sleeve protects the pH sensing bulb and is removable for easy cleaning.

Item No.	List Price	% Off List	Qty Break	Your Cost
3802-60	520.00	18	1	<b>426.40</b>
		20	2+	<b>416.00</b>



### ROSS Ultra® Flat Surface Epoxy pH Electrode (Orion 8135BNUWP)

**Refillable; BNC; Waterproof**

**Recommended Use:** pH of soft, moist surfaces both solid and semi-solid such as agar gel plates, meats, bread dough, and similar samples. Small samples in micro sample dish.

Item No.	List Price	% Off List	Qty Break	Your Cost
3802-79	607.00	18	1	<b>497.74</b>
		20	2+	<b>485.60</b>



### ROSS Ultra® Epoxy pH Electrode (Orion 8156BNUWP)

**Refillable; BNC; Waterproof**

**Recommended Use:** General purpose when precise pH determination is required.

Item No.	List Price	% Off List	Qty Break	Your Cost
3802-78	496.00	18	1	<b>406.72</b>
		20	2+	<b>396.80</b>



### ROSS Flat Surface Epoxy pH Electrode (Orion 8135BN)

**Refillable; BNC**

**Recommended Use:** pH of soft, moist surfaces both solid and semi-solid such as agar gel plates, meats, bread dough and similar samples. Small samples in micro sample dish.

Item No.	List Price	% Off List	Qty Break	Your Cost
3802-55	525.00	18	1	<b>430.50</b>
		20	2+	<b>420.00</b>



**Double Junction, Epoxy, Flushable pH Electrode**  
(ASI H058-0010)

**Refillable; BNC**

**Recommended Use:** For most applications, including dirty water, heavy metals and organics applications. Features a flushable Teflon® junction for use with substances that ordinarily clog standard electrodes. One year warranty from date of manufacture.

Item No.	List Price	% Off List	Qty Break	Your Cost
3808-20	204.95	30		143.47



**Double Junction, Epoxy, Gel Filled pH Electrode**  
(Oakton 35805-01)

**Sealed-non-refillable; BNC** One year warranty.

**Recommended Use:** For most applications, including dirty water, heavy metals and organics applications.

Item No.	List Price	% Off List	Qty Break	Your Cost
3808-05	82.25	20		65.80



**ROSS Ultra Glass pH Electrode**  
(Orion 8102BNUWP)

**Refillable; Waterproof BNC**

**Recommended Use:** Precise pH determinations. General purpose, top performance combination electrode. Ideal for Q.C. and research applications.

Item No.	List Price	% Off List	Qty Break	Your Cost
3802-45	500.00	18	1	410.00
		20	2+	400.00



**Double Junction, Glass Body, Spear Tip pH Electrode**  
(ASI H012-0001)

**Sealed-non refillable; BNC**

**Recommended Use:** Ideal for testing semisolids and gels. One year warranty from date of manufacture.

Item No.	List Price	% Off List	Qty Break	Your Cost
3808-14	129.10	20		103.28



**Double Junction, Glass Body pH Electrode**  
(ASI H014-8143)

**Refillable; BNC**

**Recommended Use:** Laboratory grade electrodes can be used for most applications, including dirty water, heavy metals and organics applications. One year warranty from date of manufacture.

Item No.	List Price	% Off List	Qty Break	Your Cost
3808-15	111.56	20		89.25

**Double Junction, Glass Electrodes**



**ROSS Sure-Flow Glass pH Electrode** (Orion 8172BNWP)

**Refillable; Waterproof BNC**

**Recommended Use:** General purpose, superior performance ideal for dirty, difficult samples such as soils, sludges, colloids, viscous materials and organics. Detachable bulb guard included. Easy to clean junction never clogs.

Item No.	List Price	% Off List	Qty Break	Your Cost
3802-64	533.00	18	1	437.06
		20	2+	426.40



**ROSS™ Ultra Glass pH Electrode**

(Orion 8104BNUWP)

**Refillable; Waterproof BNC**

**Recommended Use:** Toughened bulb for rugged lab use and precise Q.C. measurements.

Item No.	List Price	% Off List	Qty Break	Your Cost
3802-40	535.00	18	1	438.70
		20	2+	428.00

**Single Junction, Epoxy Electrodes**



**Sure-Flow Epoxy pH Electrode**  
(Orion 9165BNWP)

**Refillable; Waterproof BNC**

**Recommended Use:** General purpose, ideal for dirty, difficult samples such as soils, sludges, colloids, viscous solutions. Detachable bulb guard included. Easy to clean junction never clogs. Ag/AgCl internal reference system.

Item No.	List Price	% Off List	Qty Break	Your Cost
3802-35	296.00	18	1	242.72
		20	2+	236.80

800-328-8378

**ACCESSORIES:**



DI Water see page 70.  
Wash Bottles see pages 100-101.

pH DETERMINATION



## pH Electrode (Orion 9156BNWP)

**Refillable; BNC**

**Recommended Use:** Routine pH for field, school or lab use.

Item No.	List Price	% Off List	Qty Break	Your Cost
3802-75	175.00	18	1	<b>143.50</b>
		20	2+	<b>140.00</b>



## Single Junction, Flat Surface, Epoxy pH Electrode (ASI H028-0001)

**Sealed-non refillable; BNC**

**Recommended Use:** Ideal for flat surface measurements. One year warranty from date of manufacture.

Item No.	List Price	% Off List	Your Cost
3808-25	75.18	20	<b>60.14</b>



## Gel Filled Flat Surface Epoxy pH Electrode (Orion 913600)

**Sealed-non refillable; BNC**

**Recommended Use:** Routine pH for food, agar gel plates. The sealed reference section is permanently filled with a KCl gel.

Item No.	List Price	% Off List	Qty Break	Your Cost
3802-10	244.00	18	1	<b>200.08</b>
		20	2+	<b>195.20</b>



## Gel Filled Epoxy pH Electrode (Oakton 35801-00)

**Sealed-non refillable; BNC** One year warranty.

**Recommended Use:** Economical electrode for field, clean water, and general purpose applications.

Item No.	List Price	% Off List	Your Cost
3815-31	52.25	20	<b>41.80</b>

## Single Junction, Glass Electrodes



## Waterproof pH Electrode (Orion 9102BNWP)

**Refillable; BNC**

**Recommended Use:** General purpose pH for accurate Q.C. and research applications.

Item No.	List Price	% Off List	Qty Break	Your Cost
3802-80	225.00	18	1	<b>184.50</b>
		20	2+	<b>180.00</b>



## Hard Nose pH Electrode (Orion 9104BNWP)

**Refillable; Waterproof BNC**

**Recommended Use:** For rugged, durable lab use.

Item No.	List Price	% Off List	Qty Break	Your Cost
3802-25	260.00	18	1	<b>213.20</b>
		20	2+	<b>208.00</b>



## Sure-Flow pH Electrode (Orion 9172BNWP)

**Refillable; Waterproof BNC**

**Recommended Use:** General purpose, ideal for dirty, difficult samples such as soils, sludges, colloids, viscous solutions. Easy to clean junction never clogs. Ideal for general lab use. Ag/AgCl internal reference system.

Item No.	List Price	% Off List	Qty Break	Your Cost
3802-31	304.00	18	1	<b>249.28</b>
		20	2+	<b>243.20</b>

**FIND IT AT WEBERSCIENTIFIC.COM**

- *Green pH Electrodes (Thermo Scientific Orion)*
- *Single Junction, Flat Surface, Glass pH Electrode (Oakton 35805-20)*



3808-75



3808-41



3808-43



3808-44

**Dairy Specific pH Electrodes (Hanna Instruments)**

Item No.	3808-75	3808-41	3808-43	3808-44
Reference	Single, Ag/AgCl	Single, Ag/AgCl	Double, Ag/AgCl	Single, Ag/AgCl
Junction	Open	Open	Open	Ceramic, triple
Connector	BNC	BNC	BNC	BNC
Electrolyte	Viscolene (non-toxic)	Viscolene	Viscolene	KCL 3.5M + AgCl
Range	0 to 13 pH; 0 to 50°C (32 to 122°F)	0 to 12 pH; 0 to 50°C (32 to 122°F)		
Tip Shape	Conic (3 x 5 mm)	Conic (6 x 10 mm)	Conic (12 x 12 mm)	Spheric (dia: 9.5 mm)
Temperature Sensor	No	No	No	No

Six month warranty

Item No.	Mfr Item No.	Description	Your Cost
<b>3808-75</b>	FC240B	For dairy products, cheese quality control applications. Stainless steel shaft with pointed hardened glass tip.	<b>240.00</b>
<b>3808-41</b>	FC200B	Recommended for milk, yogurt, dairy products, semi-solid foods applications.	<b>160.00</b>
<b>3808-43</b>	FC210B	Recommended for milk, yogurt and cream applications.	<b>180.00</b>
<b>3808-44</b>	FC220B	Recommended for milk, yogurt and cream applications.	<b>180.00</b>



**Universal MicroStirrer™**  
(Analytical Sensors ASI)

The Universal MicroStirrer, snaps on the end of any 12mm electrode and provides a stirring mechanism when used with a magnetic stir plate. No more lost stir bars!

Construction: ABS (acrylonitrile butadiene styrene), magnet  
Dimensions: Body-17 x 24mm, Magnet- 6mm disk  
Fits: 12mm & 0.5 inch electrodes



Item No.	Your Cost
<b>3068-01</b>	<b>12.50</b>

**pH Electrode Swing Arm Holder & Stand (Oakton)**

Good value. Flexible holder holds up to four standard size electrodes and one ATC probe. Made of gray plastic with metal base. Lets you take readings more conveniently.



Item No.	List Price	% Off List	Your Cost
<b>3800-72</b>	116.00	15	<b>98.60</b>

**Orion pH Electrode Storage Sleeve**  
(Thermo Scientific)

*Simplify the storage of your pH electrode*

Storage Sleeve and base allows you to store your pH electrode upright on the lab bench while protecting the fragile pH glass or glass body from falls or making contact with other items on your lab bench. The weighted base provides stability and assists in keeping the electrode upright. The sleeve can be easily removed from the base. Polypropylene.

- For electrodes 12mm in diameter and up to 120mm in length
- Protects electrode from breakage when not in use
- Weighted base prevents electrode from tipping
- Sleeve can be removed from base to store in electrode holder



Item No.	Mfr Item No.	List Price	% Off List	Your Cost
<b>3800-91</b>	810017	53.80	10	<b>48.42</b>

**Electrode Storage Bottles (Thermo Orion)**

For use with glass body 12mm electrode. Pack of 3.



Item No.	List Price	% Off List	Your Cost
<b>3803-04</b>	57.90	15	<b>49.22</b>

800-328-8378

ACCESSORIES: FOR pH



Magnetic Stirrers see pages 23-25.

pH DETERMINATION



## Hydrion® pH Plastic Test Strips (Micro Essentials)

*Packaged in convenient flip-top vials*

Strips provide instant results with a clear bright single color match across the pH spectrum. 100 test strips per vial.

Item No.	Mfr Item No.	Description	List Price	% Off List	Qty Break	Your Cost
3077-02	9800	0-14 pH with readings at each whole pH	16.67	30	1-5 40 6+	<b>11.67</b> <b>10.00</b>
<b>NEW!</b> 3077-06	9200	0-6.0 pH with readings at each half and whole pH number	16.67	30	1-5 40 6+	<b>11.67</b> <b>10.00</b>
<b>NEW!</b> 3077-08	9700	5.5-8 pH with readings at every .2 to .3 interval	16.67	30	1-5 40 6+	<b>11.67</b> <b>10.00</b>
<b>NEW!</b> 3077-07	9400	5-9 pH with readings at each half pH number	16.67	30	1-5 40 6+	<b>11.67</b> <b>10.00</b>
3077-03	9600	6.5-13 pH with readings at each half and whole pH number	16.67	30	1-5 40 6+	<b>11.67</b> <b>10.00</b>

## ColorpHast® pH Strips (EMD Millipore)

Strips provide accurate colorimetric pH indication. The dye is bound to the paper carrier on a plastic strip for no bleeding, even in strongly alkaline solutions. Strips can be immersed in sample for extended periods, so weakly buffered solutions can be tested with accuracy. The Universal strip tests the full 0-14 pH range with a sensitivity of 1 pH units. Intermediate range indicators provide a sensitivity of 0.3-0.5 pH units and narrow range strips provide a sensitivity of 0.2-0.3 pH units.

Item No.	Mfr Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
3075-75	9590-3	0-14 pH	pack/100	27.17	25	1-5 35 6+	<b>20.38</b> <b>17.66</b>
3075-76	9583-1	6.5-10 pH	pack/100	27.17	25	1-5 35 6+	<b>20.38</b> <b>17.66</b>

## Economy pH Strips

Provides distinct color for 10 separate pH readings in the range of 1 to 14. 100 per vial.

Item No.	Qty Break	Your Cost
3075-79	1-99	<b>4.06</b>
	100+	<b>3.05</b>



## ColorpHast® Store (EMD Chemical Inc.)

Contains 13 packs of 100 pH strips covering the following ranges:

pH Range	Sensitivity	No. of Packs
0 - 2.5	0.2 - 0.3	1
2.6 - 4.5	0.2 - 0.3	1
4.0 - 7.0	0.2 - 0.3	1
6.5 - 10.0	0.2 - 0.3	1
11.0 - 13.0	0.2 - 0.3	1
0 - 6.0	0.3 - 0.5	2
5.0 - 10.0	0.3 - 0.5	2
7.5 - 14.0	0.3 - 0.5	2
0 - 14.0	0 - 14	2



Each pack has a quality-controlled, matched color pH comparison scale on the side. Indicator dyes will not bleed and have excellent light stability.

Item No.	Qty Break	Your Cost
3075-50	1-2	<b>193.23</b>
	3+	<b>180.35</b>

## Receive Free Freight Upgrades When You Order From Weber Scientific!

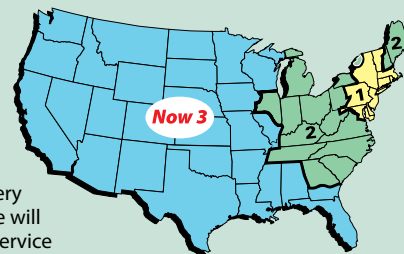
When you order from Weber Scientific we will route it so that all (or part\*) of your order arrives at your facility within 1, 2 but never more than 3 business days. Any upgrade in the level of service over basic UPS or FedEx ground service will be done at **our expense - not yours!**

Combined with our Same Day Shipping Pledge, this expedited routing program will insure prompt delivery of all or part of your order to any location in the continental U.S. — all at no extra cost.

### Here is how the 1-2-3 Day Delivery program works:

Place your order by 3:00 PM (Eastern Time) and your order will ship that very same afternoon. Based on a nationwide delivery schedule (see map) your order will be routed via basic ground service if delivery is scheduled at 3 business days or less. If the delivery schedule indicates more than 3 business days, we will upgrade one or more cases to 3 Day Service at no extra charge to you. You pay only for basic ground service on any upgrades.

\*Some exceptions apply. See page 2 for complete details.



### ACCESSORIES: FOR pH



Additional pH Strips see pages 183-184, and 240.

## Weber™ pH Buffers are Color-Coded, Highly Accurate and a Super Best Buy

compare & save



### pH Buffer Solution, Color-Coded.

Accurate within ±0.01 pH units of specified value at 25°C. Provided with temperature pH conversion chart printed on the container. 500 mL size packaged in polyethylene bottle with flip-top dispensing cap; 4 liter and 20 liter sizes come in convenient cube container with dispensing spigot.

Item No.	Size	Qty Break	Your Cost
<b>pH 2, clear (no color code)</b>			
3076-02	500 mL	1-11	9.28
		Multiples of 12	7.73
<b>pH 4, color coded RED</b>			
3076-04	500 mL	1-11	9.28
		Multiples of 12	7.73
3076-14	4 liter	1-4	41.03
		5+	36.90
3076-15	4 liter	1-4	45.90
		cube-pk 5+	41.30
3076-24	20 liter	1-2	80.54
		3+	71.91
<b>pH 5, clear (no color code)</b>			
3076-05	500 mL	1-11	9.28
		Multiples of 12	7.73

Item No.	Size	Qty Break	Your Cost
<b>pH 7, color coded YELLOW</b>			
3076-07	500 mL	1-11	9.28
		Multiples of 12	7.73
3076-17	4 liter	1-4	41.03
		bottle 5+	36.90
3076-18	4 liter	1-4	45.90
		cube-pk 5+	41.30
3076-27	20 liter	1-2	80.54
		3+	71.91
<b>pH 10, color coded BLUE:</b>			
3076-10	500 mL	1-11	9.28
		Multiples of 12	7.73
3076-20	4 liter	1-4	41.03
		bottle 5+	36.90
3076-21	4 liter	1-4	58.00
		cube-pk 5+	52.05
3076-30	20 liter	1-2	80.54
		3+	71.91

WEBER  
Everyday  
LOW  
Prices!

## Hach Powder Pillows and Singlet™ pH Buffers

New one-use-only Singlets are the ultimate in accuracy. Every Singlet pouch is as accurate as a newly opened bottle of buffer. Powder pillows also assure freshness and eliminate the possibility of contamination. Simply open the pillow and add the contents to 50 mL of deionized or demineralized water.

Item No.	pH	Pillow Qty.	Singlet Qty.	Your Cost
H22269-66	4	Pk/50		21.25
H27700-20	4		Pk/20	35.39
H22270-66	7	Pk/50		21.25
H27701-20	7		Pk/20	35.39
H22271-66	10	Pk/50		21.25
H27702-20	10		Pk/20	35.39



H22269-66



H27700-20



## Hydriion® Tri-Chek pH Buffer Calibration Set (Micro Essentials)

### Accurate and NIST Traceable

- Mix with de-ionized or distilled water for fresh standards with known pH values
- Set contains three 10-capsule vials for pH 4.00, 7.00 and 10.00
- Each capsule produces 100 mL of solution
- Included is one 4 mL bottle of preservative which prolongs shelf-life and automatically tints each solution to its own color value: orange for pH 4.00, green for pH 7.00 and blue for pH 10.00

Item No.	Mfr Item No.	List Price	% Off List	Your Cost
3077-05	CC-471V	22.10	15	18.79

## FREE Samples Are Available

We carry a sample inventory for all products identified by this symbol. Please contact us to request your free sample.

Jeffrey Aylen  
Customer Service Representative  
800-328-8378  
jaylen@weberscientific.com



## Electrode Reference Fill Solution

Item No.	Mfr. Item No.	Description	Application	Size	List Price	% Off List	Your Cost
<b>3803-40</b>	Oakton 35803-73	KCl saturated with AgCl	Single junction electrodes; not for use with solutions that react with silver	125 mL	28.00	15	<b>23.80</b>
<b>3803-00</b>	Orion 900011	Standard Ag/ AgCl solution	Single junction pH electrodes; not for use with solutions that react with silver	5 X 50 mL	101.00	15	<b>85.85</b>
<b>3809-60</b>	Hanna HI7071	3.5M KCl + AgCl solution	Single junction pH electrodes; not for use with solutions that react with silver	4 X 30 mL (1 oz)			<b>55.00</b>
<b>3809-70</b>	Hanna HI7071L	3.5M KCl + AgCl solution	Single junction pH electrodes; not for use with solutions that react with silver	500 mL (16.9 oz)			<b>46.00</b>
<b>3803-03</b>	Oakton 35803-74	4 M KCL	Standard double junction pH electrodes	125 mL	28.00	15	<b>23.80</b>
<b>3803-01</b>	Orion 910008	3 M KCl	Standard double junction pH electrodes	5 X 60 mL	97.30	15	<b>82.71</b>
<b>3803-10</b>	Orion 810007	3 M KCl solution	ROSS™ double junction pH electrodes	5 X 60 mL	98.90	15	<b>84.07</b>
<b>H25469-02</b>	Hach	Potassium Chloride Reference Electrolyte Gel Cartridges	Hach pH electrodes 5191000 / 5191011 5191022	pk/2			<b>15.39</b>

## General Electrode Cleaning Solution

Item No.	Mfr. Item No.	Description	Application	Size	List Price	% Off List	Your Cost
<b>3803-20</b>	Oakton 00653-06	Cleaning solution	All electrodes	473 mL (1 pint)	13.75	15	<b>11.69</b>
<b>3805-30</b>	Orion 841101	Sodium Maintenance/ Storage Solution	ROSS sodium ion selective electrodes	475 mL	68.10	15	<b>57.89</b>
<b>3807-60</b>	Hach 2964349	Protein specific cleaning solution	pH electrodes	500 mL			<b>40.45</b>
<b>3809-54</b>	Hanna HI7061M	Cleaning Solution	All electrodes	250 mL (8.5 oz.)			<b>12.00</b>
<b>3809-55</b>	Hanna HI7061L	Cleaning Solution	All electrodes	500 mL (16.9 oz)			<b>14.00</b>



## Dairy and Food Specific Electrode Cleaning Solutions (Hanna Instruments)

In many applications, electrodes become dirty while being used, with negative results on their efficiency. Since this dirt is not removed during normal use, special cleaning solutions may be needed. These specific cleaning solutions are for eliminating all impurities and residues left on the surface of the electrode when immersed in specific samples, such as dairy products and grease. The 25-sachet package is a practical solution for field measurements, because it is easy to handle and always fresh.



Item No.	Mfr. Item No.	Description	Qty	Your Cost
<b>3809-30</b>	HI70640L	Cleaning Solution for Milk Deposits	500 mL	<b>28.00</b>
<b>3809-32</b>	HI70641L	Cleaning and Disinfection Solution for Milk Deposits	500 mL	<b>29.00</b>
<b>3809-34</b>	HI70642L	Cleaning Solution for Cheese Deposits	500 mL	<b>28.00</b>
<b>3809-38</b>	HI70630L	Acid Cleaning Solution for Meat Grease and Fat	500 mL	<b>28.00</b>
<b>3809-40</b>	HI70631L	Alkaline Cleaning Solution for Meat Grease and Fat	500 mL	<b>28.00</b>
<b>3809-42</b>	HI700640P	Cleaning Solution for Milk Deposits	25 X 20 mL sachets	<b>32.00</b>
<b>3809-44</b>	HI700641P	Cleaning and Disinfection Solution for Milk Deposits	25 X 20 mL sachets	<b>32.00</b>
<b>3809-46</b>	HI700642P	Cleaning Solution for Cheese Deposits	25 X 20 mL sachets	<b>32.00</b>
<b>3809-48</b>	HI700630P	Acid Cleaning Solution for Meat Grease and Fat	25 X 20 mL sachets	<b>32.00</b>

## Electrode Storage Solution

Item No.	Mfr. Item No.	Description	Size	List Price	% Off List	Your Cost
<b>3803-05</b>	Orion 910001	Storage Solution	475 mL	57.00	15	<b>48.45</b>
<b>3803-33</b>	Orion 810001	ROSS pH Electrode Storage Solution	475 mL	77.30	15	<b>65.71</b>
<b>H26573-64</b>	Hach	Powder pillow storage solution	pk/20			<b>34.15</b>
<b>H27565-49</b>	Hach	Storage solution	500 mL			<b>35.05</b>
<b>3809-50</b>	Hanna HI70300M	Storage Solution	250 mL (8.5 oz.)			<b>12.00</b>
<b>3809-51</b>	Hanna HI70300L	Storage Solution	500 mL (16.9 oz)			<b>14.00</b>

### ACCESSORIES: FOR pH



Disposable Plastic Micro Beakers see page 96.  
Magnetic Stirrers see pages 23-25.





## Portable Digital Refractometer (Hanna Instruments)

### A best buy for a professional quality instrument

- Rugged, portable and waterproof.
- Samples are measured after a simple user calibration with deionized or distilled water.
- Temperature (in °C or °F) is displayed simultaneously with measurement on the large dual level display along with other helpful message codes.
- Automatic Temperature Compensation (ATC)
- Battery operated
- Able to read samples as small as 2 metric drops.

#### SPECIFICATIONS

Range	0 to 50% Brix / 0 to 80°C (32 to 176°F) 0 to 85% Brix / 0 to 80°C (32 to 176°F)
Resolution	± 0.1% Brix / ± 0.1°C (± 0.1°F)
Accuracy	± 0.2 % Brix / ± 0.3°C (± 0.5°F)
Automatic Temperature Compensation	between 10 and 40°C (50 - 104°F)
Measurement Time	Approximately 1.5 seconds
Minimum Sample Volume	2 metric drops
Light Source	Yellow LED
Sample Cell	Stainless steel ring and flint glass prism
Case Material	ABS
Enclosure Rating	IP65
Battery Type / Life	(1) 9V included / 5000 readings
Auto-Off	After 3 minutes of non-use
Dimensions	19.2(W) x 10.2(D) x 6.7 (H)cm
Weight	420g
Warranty	Six month

Item No.	Mfr Item No.	Description	Your Cost
3025-72	HI96811	0-50% Brix	175.00
3025-74	HI96801	0-85% Brix	175.00

## Brix Refractometers (Atago)

Measures the concentration of sucrose in solution. Atago refractometers have a world-wide reputation for simple operation, accuracy, and reliability. Rubber grip guards against user's body heat to insure accurate measurement. All models have 0.2° scale divisions and ±0.2° accuracy. Complete with case. One year warranty; prisms are not covered under the warranty.

Item No.	Mfr Item No.	Brix Range %	ATC	Uses	List Price	% Off List	Qty Break	Your Cost
3025-43	2351 MASTER 53A Water resistant	0 to 53	yes	fruit, juices, soft drinks	335.36	10	1	301.82
						15	2+	285.06
3025-44	2352 MASTER 53T	0 to 53	yes		258.47	10	1	232.62
						15	2+	219.70
3025-45	2353 MASTER 53M	0 to 53	no	fruit, juices, soft drinks	221.36	10	1	199.22
						15	2+	188.16
3025-51	2354 MASTER-50H Water resistant	0 to 50	yes	For high-temperature/ corrosive samples and sauces 0.5% Resolution, +/-0.5% Accuracy	376.48	10	1	338.83
						15	2+	320.01
3025-53	2364 MASTER-80H Water resistant	30 to 80	no	For high-temperature/ corrosive samples and jams 0.5% Resolution, +/-0.5% Accuracy	376.48	10	1	338.83
						15	2+	320.01

## Brix Refractometer (Sper Scientific)

Superb value. Popular model features automatic temperature compensation. Covered eye piece and bright clearly defined scale for easy to read measurements. Measures 0 to 32° brix with a 0.2° resolution and a ±0.2° accuracy. Comes with a reusable hard case. Five year warranty.

Item No.	List Price	% Off List	Your Cost
3025-60	84.00	20	67.20

**FIND IT AT WEBERSCIENTIFIC.COM**

- *Brix-Acidity Pocket Meters from Atago*
- *Digital Salt-Check Refractometers from Reichert*

800-328-8378

### ACCESSORIES: FOR REFRACTOMETERS



Brix Hydrometers see page 231.

## Pocket Digital Refractometer (Sper Scientific)

Measure brix in the field with laboratory accuracy. Is small, light and simple to use as optical refractometers, but with the precision of a digital readout. Reads samples as small as 1 mL. Sample temperature is initially displayed on the large LCD followed by the measurement results. The sophisticated microprocessor provides automatic calibration, automatic temperature compensation and automatic shutoff (after 3 minutes). A sturdy water resistant case protects the electronics from wet environments and makes for easy clean ups. Features one button calibration to distilled water and indicates when the battery should be replaced (8000 readings). Comes ready to use with distilled water, transfer-pipet, AAA battery, instructions and a carrying case.



Item No.	3025-15	3025-17	3025-19
Mfr. Item No.	300051	300052	300053
Brix range	0 to 65%	40 to 95%	0 to 95%
Resolution	0.1%		
Accuracy	±0.2%		
Dimensions	4 5/8" x 2 1/2" x 1 1/4" (118 x 62 x 32 mm)		
Weight	4.6 oz. (130g)		
Batteries	AAA (included)		
Warranty	5 year		

Item No.	Description	List Price	% Off List	Your Cost
3025-15	0-65% brix refractometer	228.00	15	193.80
3025-17	40-95% brix refractometer	228.00	15	193.80
3025-19	0-95% brix refractometer	289.00	15	245.65

## Laboratory Full-Range Digital Automatic Refractometer (Sper Scientific 300034)

Measure brix, refractive index with full-scale accuracy of 0.1% using CDC scanner (= linear scanned array imaging) technology. Simple to use. Calibrates to distilled water and require a sample of only 0.4 mL. Instantly displays temperature in addition to multiple scales with the unit of measure indicated on the large LCD. The sophisticated microprocessor provides automatic calibration, automatic temperature compensation, automatic shutoff (after 3 minutes), and visual hi/lo alarms. Low power consumption enables 5000 readings, before the LCD indicates that the battery should be replaced. The water resistant design protects the electronics from wet environments and makes for easy clean ups. Comes ready to use with a 9V battery, distilled water, a transfer-pipet, instructions and a protective case. Weight: 18 oz (500 g). Dim: 7" x 4" x 2 1/2" (180 x 100 x 65 mm). One year warranty.



	Range	Resolution	Accuracy
Brix	0-95%	0.1	±0.2
Refractive Index	1.3330~1.5318	0.0001	±0.001

Item No.	List Price	% Off List	Your Cost
3025-82	819.00	15	696.15

## Portable Full-Range Digital Automatic Refractometer (Reichert AR200)

Benchtop precision and accuracy in a hand-held instrument. Principle of operation: critical angle, reflected light refractive index. The default scale is Brix; user programmable for corn syrup, glycols, salinity, serum protein and urine specific gravity. Dual temperature sensors for prism and ambient. Includes IR port for computer and printer communications. The software features 2 point (set and span) calibration sensing; calibration history. Auto off and sleep mode. Battery operated. Dimensions: 7" x 3.75" x 1.37" (178 x 95 x 35 mm). CE certification. Two year factory warranty. Four AAA batteries included; 3000+ measurements. Optional IR communications cradle for PC interface. One year warranty.



Range:	0-95% Brix, 1.3300-1.5600nD
Accuracy:	±0.0001 nD, ±0.1% solids

Item No.	List Price	% Off List	Your Cost
3025-90	1385.00	10	1246.50



## Digital Hand-Held Pen-Pro Refractometer (Atago 3730)

**Includes continuous measurement feature**

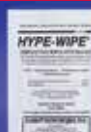
Wide measurement range of Brix 0.0 to 85.0%. There are 2 ways to measure: Either dip the tip into the sample and press the START key OR press the START key and touch the tip into the sample. There is also the feature to perform continuous measurements.

- Ergonomically designed for one-handed operation.
- Automatic Temperature Compensation function enables you to take measurement readings regardless of the ambient temperature.
- You can rinse off the sample by running water on the prism. The design allows the user to easily wipe off the sample.
- Features External Light Interference (ELI) - Patent Pending.
- Convenient Storage case.

Measurement Range	Brix 0.0 to 85.0%
Minimum Indication	Brix 0.1%
Measurement Accuracy	Brix ± 0.2%
Measurement Temperature	10 to 100°C (Automatic Temperature Compensation)
Ambient Temperature	10 to 40°C
Power Supply	1 x Size AAA alkaline battery
International Protection class	* Int'l Protection Class - IP67 (prism head), IP65 (body)
Measurement Time	2 seconds
Dimensions & Weight	16 x 3.8 x 1.8cm, 70g (Main Unit only)
Warranty	One year (does not include prism)

Item No.	List Price	% Off List	Qty Break	Your Cost
3025-78	506.83	5	1	481.49
		10	2+	456.15

### ACCESSORIES: FOR REFRACTOMETERS



Lab Wipes see page 195.  
Salinity Tester see page 241.

## PAL Pocket Digital Refractometer (Atago)

**Ergonomic design operates with just one hand**

It is compact in size, allowing for portability and use indoors or outdoors. Weighing 3 1/2 ounces (100g), it can be placed in a pocket or hung from your neck or belt. Measurements can be made easily while holding it in just one hand. The sample stage is designed to keep sample solutions from spilling out. A convenient feature is that the "zero-setting" (calibration) can be done with water. To operate simply put a drop of a sample on the prism surface and press the START key. The brix value (sugar content/concentration) will be displayed in just 3 seconds. With a digital LCD display you can precisely record the measurement value without any operator interpretation, as with traditional analog refractometers.



**PAL-1** model can measure almost any fruit juice, food, or drink, such as soup, sauce, ketchup, tomato sauce, low-sugar jam or marmalade.

**PAL-2** can test jelly, honey or concentrated juice.

**PAL-alpha** measures most any sample at a reasonable price.

**PAL-S** is designed for fatty, dark or hot samples. The MAGIC™ adaptor cools down hot samples quickly and minimizes evaporation.

The Automatic Temperature Compensation function (ATC) enables you to take measurement readings regardless of the ambient temperature. The PAL has an international protection rating of IP65 – you can rinse off the sample by running water on the sample stage. The design allows the user to easily wipe off the sample.

Model	PAL-1	PAL-2	PAL-alpha	PAL-S
Measurement range, brix	0.0 to 53%	45.0 to 93.0%	0.0 to 85%	0.0 to 93%
Resolution, brix	0.1%			
Measurement accuracy, brix	± 0.2%			
Measurement temperature	10 to 100°C (Automatic Temperature Compensation)			
Ambient temperature	10 to 40°C			
Sample volume	0.3 mL			
Measurement time	3 seconds			
Power supply	(2) AAA Batteries			
Dimensions, in/mm	2.2 x 1.2 x 4.3 / 55 x 31 x 109			
Weight, oz/gram	3.5/100			
Warranty	One year (does not include prism)			

Item No.	Description	List Price	% Off List	Qty Break	Your Cost
<b>3025-95</b>	PAL-1 refractometer	335.51	5	1	<b>318.73</b>
			10	2+	<b>301.96</b>
<b>3025-97</b>	PAL-2 refractometer	370.12	5	1	<b>351.61</b>
			10	2+	<b>333.11</b>
<b>3025-98</b>	PAL-alpha refractometer	498.20	5	1	<b>473.29</b>
			10	2+	<b>448.38</b>

## PAL Plato Specific Gravity Refractometer (Atago)

Breweries can measure the specific gravity of sweet wort in degrees Plato. Advantages of the PAL-Plato include: Two buttons for easy operation, an LCD screen for objective readings, and Automatic Temperature Compensation up to 75°C (212°F). Additionally, taking measurements with the PAL-Plato only requires a few drops of sample, and it provides accurate readings within 3 seconds.



### Specifications

Measurement range	0.0 to 30.0°P
Resolution	0.1°P
Accuracy	± 0.2°P
Measurement temperature	10 to 75°C (Automatic Temperature Compensation)
Ambient temperature	10 to 40°C
Sample volume	0.3 mL
Measurement time	3 seconds
Power supply	(2) AAA Batteries, included
Dimensions, in/mm	2.2 x 1.2 x 4.3 / 55 x 31 x 109
Weight, oz/gram	3.5/100
Warranty	One year (does not include prism)

Item No.	Your Cost
<b>5029-03</b>	<b>374.32</b>

## PAL Hydrogen Peroxide Refractometer (Atago PAL-39S)

For solutions of H<sub>2</sub>O<sub>2</sub> and water ONLY! Great for sanitation!  
Includes 2 AAA batteries.

Measurement range	0-50%
Resolution	0.2%
Accuracy	±0.6%
Measurement temperature	10 to 35° C (Automatic Temperature Compensation)

All other specifications are the same as other PAL models. One year warranty not including prism.



Item No.	List Price	% Off List	Qty Break	Your Cost
<b>5029-02</b>	396.05	5	1	<b>376.25</b>
		10	2+	<b>356.45</b>

## Refractive Index Liquids (Cargille)

Accurately calibrate refractometers

Item No.	Mfr Item No.	Description	Size	Your Cost
<b>3025-21</b>	AA-1806-1.418	7.4ML 49.4% BRIX/1.418 Index D	¼ oz	<b>25.51</b>
<b>3025-22</b>	AA-1806-1.440	7.4ML 59.5% BRIX/1.440 Index D	¼ oz	<b>25.51</b>
<b>3025-23</b>	AA-1809-1.502	7.4ML 84.6% BRIX/1.502 Index D	¼ oz	<b>26.75</b>
<b>3025-24</b>	45000-OS025	7.4ML 60% BRIX/1.442 Index D	¼ oz	<b>56.50</b>

**LATEX DISPOSABLE : POWDER-FREE**


**WEBER**  
**Everyday**  
**LOW**  
**Prices!**

## Powder-Free

### Weber Scientific Exam Grade

Excellent tactile sensitivity while the textured grip offers secure wet or dry handling. Rolled cuff for easy donning. Thickness: cuff - 4.0 mil; palm - 5.0 mil; finger tip - 6.0 mil. 9.5" length.

### Weber Scientific Food Grade

Textured finish with excellent dexterity makes this an economical choice for food processing. Beaded cuff for easy donning. Thickness: cuff - 3.5 mil; palm - 4.5 mil; finger tip - 5.5 mil. 9.5" length. Natural. Not approved for medical use.



### MICROFLEX® Evolution One™ Exam Grade

Features a unique polymer coating for dexterity when handling delicate apparatus. Micro-contoured fit for long-term use without fatigue. Beaded cuffs holds the glove firmly against the arm or sleeve. Textured non-slip wet grip. 9 1/2" length. 7 mil thick.

### MICROFLEX® Diamond Grip™ Exam Grade

Extra gripping power. Beaded cuff 9" length. 7 mil thick.



**All Latex and Nitrile gloves are supplied in a dispenser box.**

Item No.	Description	Qty	Qty Break	Your Cost
4327-45	powder-free - small	pack/100	1-9	<b>10.16</b>
			multiples of 10	<b>8.40</b>
			multiples of 100	<b>7.11</b>
4327-47	powder-free - medium	pack/100	1-9	<b>10.16</b>
			multiples of 10	<b>8.40</b>
			multiples of 100	<b>7.11</b>
4327-49	powder-free - large	pack/100	1-9	<b>10.16</b>
			multiples of 10	<b>8.40</b>
			multiples of 100	<b>7.11</b>
4327-51	powder-free - x-large	pack/100	1-9	<b>10.16</b>
			multiples of 10	<b>8.40</b>
			multiples of 100	<b>7.11</b>

Item No.	Description	Qty	Qty Break	Your Cost
4327-53	powder-free - small	pack/100	1-9	<b>6.19</b>
			multiples of 10	<b>5.28</b>
			multiples of 100	<b>4.60</b>
4327-54	powder-free - medium	pack/100	1-9	<b>6.19</b>
			multiples of 10	<b>5.28</b>
			multiples of 100	<b>4.60</b>
4327-55	powder-free - large	pack/100	1-9	<b>6.19</b>
			multiples of 10	<b>5.28</b>
			multiples of 100	<b>4.60</b>
4327-56	powder-free - x-large	pack/100	1-9	<b>6.19</b>
			multiples of 10	<b>5.28</b>
			multiples of 100	<b>4.60</b>

Item No.	Description	Qty	Qty Break	Your Cost
4333-12	powder-free - x-small	pack/100	1-9	<b>14.97</b>
			multiples of 10	<b>13.10</b>
4333-14	powder-free - small	pack/100	1-9	<b>14.97</b>
			multiples of 10	<b>13.10</b>
4333-16	powder-free - medium	pack/100	1-9	<b>14.97</b>
			multiples of 10	<b>13.10</b>
4333-18	powder-free - large	pack/100	1-9	<b>14.97</b>
			multiples of 10	<b>13.10</b>
4333-20	powder-free - x-large	pack/100	1-9	<b>14.97</b>
			multiples of 10	<b>13.10</b>

Item No.	Description	Qty	Qty Break	Your Cost
4333-30	powder-free - small	pack/100	1-9	<b>14.97</b>
			multiples of 10	<b>13.10</b>
4333-32	powder-free - medium	pack/100	1-9	<b>14.97</b>
			multiples of 10	<b>13.10</b>
4333-34	powder-free - large	pack/100	1-9	<b>14.97</b>
			multiples of 10	<b>13.10</b>

**ACCESSORIES: FOR SANITATION AND SAFETY SUPPLIES**


Hand Cream see pages 186-187.

LATEX DISPOSABLE : POWDERED



**Powdered**

**Weber Scientific Exam Grade**

Unsurpassed tactile sensitivity, dexterity, flexibility and tensile strength. Smooth finish to enhance the already sensitive feel. Thickness: cuff - 3.9 mil; palm - 5.0 mil; finger tip - 5.5 mil.

Lightly powdered style contains food grade cornstarch dusting powder for easy-on and easy-off. Rolled cuff for easy donning. 9.5" length.



4331-21

**Weber Scientific Food Grade**

Smooth finish with excellent dexterity. Beaded cuff for easy donning. Thickness: cuff - 3.5 mil; palm - 4.5 mil; finger tip - 5.5 mil. 9.5" length. Natural. Not approved for medical use.



*All Latex and Nitrile gloves are supplied in a dispenser box.*

Item No.	Description	Qty	Qty Break	Your Cost
4331-03	powdered - small	pack/100	1-9	<b>8.18</b>
			multiples of 10	<b>7.01</b>
			multiples of 100	<b>6.29</b>
4331-05	powdered - medium	pack/100	1-9	<b>8.18</b>
			multiples of 10	<b>7.01</b>
			multiples of 100	<b>6.29</b>
4331-07	powdered - large	pack/100	1-9	<b>8.18</b>
			multiples of 10	<b>7.01</b>
			multiples of 100	<b>6.29</b>
4331-09	powdered - x-large	pack/100	1-9	<b>8.18</b>
			multiples of 10	<b>7.01</b>
			multiples of 100	<b>6.29</b>

Item No.	Description	Qty	Qty Break	Your Cost
4331-20	powdered - small	pack/100	1-9	<b>5.98</b>
			multiples of 10	<b>5.10</b>
			multiples of 100	<b>4.40</b>
4331-21	powdered - medium	pack/100	1-9	<b>5.98</b>
			multiples of 10	<b>5.10</b>
			multiples of 100	<b>4.40</b>
4331-22	powdered - large	pack/100	1-9	<b>5.98</b>
			multiples of 10	<b>5.10</b>
			multiples of 100	<b>4.40</b>
4331-23	powdered - x-large	pack/100	1-9	<b>5.98</b>
			multiples of 10	<b>5.10</b>
			multiples of 100	<b>4.40</b>

Glove Size Chart

Glove Size	XS	S	M	L	XL
Hand Size	6-7	7-8	8-9	9-10	10-11

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**NITRILE DISPOSABLE**


4332-66



4332-74



4332-58



4333-22


**Weber Scientific Disposable Nitrile Gloves**

Ambidextrous latex-free gloves are strong yet soft, flexible and comfortable. Micro-textured fingers for secure wet or dry handling. Excellent tactile sensitivity and dexterity. Beaded cuffs for easy donning. 9.5" length.

Powder-free in both exam (501K rating suitable for medical use) and food grades. Lightly powdered gloves are food grade and are available in both regular and heavy duty.

**Powder-Free Exam Grade – 4 mil thick.**

Item No.	Size	Color	Qty	Qty Break	Your Cost
4332-66	small	light blue	pack/100	1-9	<b>8.55</b>
				multiples of 10	<b>7.36</b>
4332-74	small	cobalt blue	pack/100	1-9	<b>8.55</b>
				multiples of 10	<b>7.36</b>
4332-68	medium	light blue	pack/100	1-9	<b>8.55</b>
				multiples of 10	<b>7.36</b>
4332-78	medium	cobalt blue	pack/100	1-9	<b>8.55</b>
				multiples of 10	<b>7.36</b>
4332-70	large	light blue	pack/100	1-9	<b>8.55</b>
				multiples of 10	<b>7.36</b>
4332-80	large	cobalt blue	pack/100	1-9	<b>8.55</b>
				multiples of 10	<b>7.36</b>
4332-72	x-large	light blue	pack/100	1-9	<b>8.55</b>
				multiples of 10	<b>7.36</b>
4332-82	x-large	cobalt blue	pack/100	1-9	<b>8.55</b>
				multiples of 10	<b>7.36</b>

**Powder-Free Exam Grade**

3.1 mil cuff, 4.7 mil palm, 5.5 mil finger. Black.

Item No.	Size	Color	Qty	Qty Break	Your Cost
4333-22	small	black	pack/100	1-9	<b>10.74</b>
				multiples of 10	<b>9.36</b>
4333-23	medium	black	pack/100	1-9	<b>10.74</b>
				multiples of 10	<b>9.36</b>
4333-24	large	black	pack/100	1-9	<b>10.74</b>
				multiples of 10	<b>9.36</b>
4333-25	x-large	black	pack/100	1-9	<b>10.74</b>
				multiples of 10	<b>9.36</b>

**Powder-Free Food Grade – 4 mil thick. Light blue.**

Item No.	Size	Qty	Qty Break	Your Cost
4332-84	small	pack/100	1-9	<b>7.69</b>
			multiples of 10	<b>5.54</b>
4332-85	medium	pack/100	1-9	<b>7.69</b>
			multiples of 10	<b>5.54</b>
4332-86	large	pack/100	1-9	<b>7.69</b>
			multiples of 10	<b>5.54</b>
4332-87	x-large	pack/100	1-9	<b>7.69</b>
			multiples of 10	<b>5.54</b>

**Lightly Powdered Food Grade**

4 mil thick. Light blue.

Item No.	Size	Qty	Qty Break	Your Cost
4332-48	small	pack/100	1-9	<b>6.13</b>
			multiples of 10	<b>5.28</b>
4332-49	medium	pack/100	1-9	<b>6.13</b>
			multiples of 10	<b>5.28</b>
4332-50	large	pack/100	1-9	<b>6.13</b>
			multiples of 10	<b>5.28</b>
4332-51	x-large	pack/100	1-9	<b>6.13</b>
			multiples of 10	<b>5.28</b>

**Lightly Powdered Food Grade**

heavy-duty 5 mil thick. Light blue.

Item No.	Size	Qty	Qty Break	Your Cost
4332-54	small	pack/100	1-9	<b>15.15</b>
			multiples of 10	<b>12.00</b>
4332-56	medium	pack/100	1-9	<b>15.15</b>
			multiples of 10	<b>12.00</b>
4332-58	large	pack/100	1-9	<b>15.15</b>
			multiples of 10	<b>12.00</b>
4332-60	x-large	pack/100	1-9	<b>15.15</b>
			multiples of 10	<b>12.00</b>



**NITRILE DISPOSABLE**

## Nitrile Ultraform® Gloves (Microflex®)

*A great glove – thin, comfortable and strong*

Unique soft formulation forms to your hand effortlessly as if it is second skin. In field tests users wearing this glove actual experienced an increase in fine motor task performance compared to bare hands. Textured. Cobalt blue.

Environmentally friendly packaging.

**Dimension**

Cuff length	9.1" / 230 mm
Cuff thickness	2.8 mils
Palm thickness	2.0 mils
Finger thickness	3.1 mils



Item No.	Size	Qty
4331-37	Powder-Free, Nitrile - small	pack/300
4331-38	Powder-Free, Nitrile - medium	pack/300
4331-39	Powder-Free, Nitrile - large	pack/300
4331-40	Powder-Free, Nitrile - x-large	pack/250

Item No.	Qty Break	Your Cost
4331-37	1-9	24.10
	multiples of 10	20.75
4331-38	1-9	24.10
	multiples of 10	20.75
4331-39	1-9	24.10
	multiples of 10	20.75
4331-40	1-9	24.10
	multiples of 10	20.75

## N-DEX® Disposable Nitrile Gloves (Best 7005)

Nitrile gloves are twice as puncture resistant as latex or vinyl gloves of similar thickness. Low-powder; they are hypoallergenic and do not contain any natural rubber proteins. N-DEX gloves also resist a wider range of chemicals than latex or vinyl. Acceptable for food and pharmaceutical applications; 4 mil thick; standard 9 1/2" length; ambidextrous; blue color.

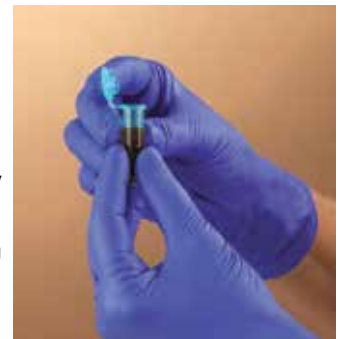


Item No.	Size	Qty	List Price	% Off List	Qty Break	Your Cost
4332-20	small	pack/100	16.68	20	1-9	13.34
				40	multiples of 10	10.01
4332-22	medium	pack/100	16.68	20	1-9	13.34
				40	multiples of 10	10.01
4332-24	large	pack/100	16.68	20	1-9	13.34
				40	multiples of 10	10.01
4332-26	x-large	pack/100	16.68	20	1-9	13.34
				40	multiples of 10	10.01

## Nitrile Ultra Exam Grade

*A thinner glove for enhanced tactile sensitivity*

Manufactured using a soft and stretchy formulation that offers excellent durability and comfort. Powder-free and textured fingers for enhanced gripping power. Cobalt blue. 9½" length, 3.0 mil (palm). Pack of 200.



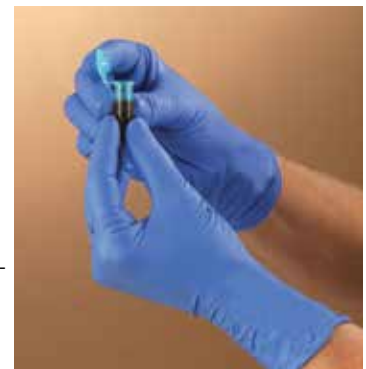
Item No.	Size
4331-41	small
4331-42	medium
4331-43	large
4331-44	x-large

Item No.	Qty Break	Your Cost
4331-41	1-9	17.65
	multiples of 10	12.68
4331-42	1-9	17.65
	multiples of 10	12.68
4331-43	1-9	17.65
	multiples of 10	12.68
4331-44	1-9	17.65
	multiples of 10	12.68

## Weber Scientific Sensation™ Nitrile Gloves

*A new standard in latex-free protection.*

Powder free. Extra soft for enhanced sensitivity, comfort, fit, feel and durability. Ambidextrous non-sterile exam-grade gloves have textured fingers and bead cuff. Periwinkle blue. 9.5" length. Approximately 3 mil thick.



Item No.	Size	Qty	Qty Break	Your Cost
4332-88	small	pack/100	1-9	10.59
			multiples of 10	7.41
4332-90	medium	pack/100	1-9	10.59
			multiples of 10	7.41
4332-92	large	pack/100	1-9	10.59
			multiples of 10	7.41
4332-94	x-large	pack/100	1-9	10.59
			multiples of 10	7.41

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**ACCESSORIES: FOR SANITATION AND SAFETY SUPPLIES**



Hand Cream see pages 186-187.

SAFETY SUPPLIES

**NITRILE DISPOSABLE**
**Weber Scientific Aloe Sense™ Nitrile Gloves**

*Soothing aloe protects hands from drying and cracking* 

Powder free and latex free Nitrile. These 3-mil gloves are extra soft and offer exceptional tactile sensitivity and comfort. Odorless aloe makes this a very soothing glove for regular wear. Ambidextrous non-sterile exam-grade gloves come in a blue-green color.


**Weber Scientific Integra EC™ Super Strong & Long Nitrile Gloves** 

*Unsurpassed 8 mil thickness and 12" overall length for serious protection*

Powder free and latex free Nitrile. Ambidextrous non-sterile exam-grade gloves come in a distinctive teal color. Superior puncture resistance and gauntlet coverage for high-risk applications.



Item No.	Size	Qty	Qty Break	Your Cost
4333-40	small	pack/100	1-9	<b>13.80</b>
			multiples of 10	<b>10.65</b>
4333-42	medium	pack/100	1-9	<b>13.80</b>
			multiples of 10	<b>10.65</b>
4333-44	large	pack/100	1-9	<b>13.80</b>
			multiples of 10	<b>10.65</b>
4333-46	x-large	pack/100	1-9	<b>13.80</b>
			multiples of 10	<b>10.65</b>

Item No.	Size	Qty	Qty Break	Your Cost
4333-50	small	pack/50	1-9	<b>10.26</b>
			multiples of 10	<b>8.83</b>
4333-52	medium	pack/50	1-9	<b>10.26</b>
			multiples of 10	<b>8.83</b>
4333-54	large	pack/50	1-9	<b>10.26</b>
			multiples of 10	<b>8.83</b>
4333-56	x-large	pack/50	1-9	<b>10.26</b>
			multiples of 10	<b>8.83</b>

**NITRILE DISPOSABLE**
**Sterile Nitrile Gloves (Microflex®)** 

Micro textured surface enhances wet or dry grip. Silicone-free. Multi-Class cleanroom compatibility. Provides superb aesthetics, dexterity, tactile sense, fit, feel and comfort. Hand Specific, curved fingers, and extended cuff length 12", beaded. White.

**compare & save**



Item No.	Size	Qty
4331-63	8	pack/10 pair
4331-64	9	pack/10 pair

Item No.	List Price	% Off List	Qty Break	Your Cost
4331-63	23.55	45	1-19	<b>12.95</b>
		60	Multiples of 20	<b>9.42</b>
4331-64	23.55	45	1-19	<b>12.95</b>
		60	Multiples of 20	<b>9.42</b>

**Kimtech Pure® G3 Sterile Nitrile Gloves (Kimberly-Clark Professional)**

These gloves are packaged in an ISO Class 5 cleanroom and contain no natural rubber latex. Sterilized by gamma radiation, they are walled and pouched in polyethylene for cleanroom use and aseptic donning. Recommended for ISO Class 3 or higher cleanroom environments. Low endotoxic levels, non-hemolytic and non-cytotoxic. Hand-specific and powder-free, the gloves are fully textured with a beaded cuff. Overall thickness is 6 mil. Length is 30.5 cm (12"). Color: white. 20 pairs/pack.



**STERILE**

Item No.	Mfr. Item No.	Size	List Price	% Off List	Qty Break	Your Cost
4333-60	HC61180	8	60.44	30	1-3	<b>42.31</b>
				36	4+	<b>38.68</b>
4333-61	HC61190	9	60.44	30	1-3	<b>42.31</b>
				36	4+	<b>38.68</b>
4333-62	HC61110	10	60.44	30	1-3	<b>42.31</b>
				36	4+	<b>38.68</b>



## POLYETHYLENE DISPOSABLE



### Polyethylene Sterile Gloves (Nasco 01419)

Size large and non-handed. Individually wrapped in a sealed polyethylene bag with perforations.

Item No.	Qty	Qty Break	Your Cost
4327-42	pack of	1-2	81.22
	100 pairs	3+	77.05

## Disposable Polyethylene Gloves

Highly economical. Widely used to prevent product contamination. Compact dispenser for easy "one-handed" removal. Embossed grip. Ambidextrous. Wrist length clear .5 mil plastic.



Item No.	Size	Qty	Qty Break	Your Cost
4327-37	medium/large	pack/500	1-19	2.76
			multiples of 20	2.62

## VINYL DISPOSABLE

### Weber Scientific Disposable Powder-Free Vinyl Gloves



Non-latex alternative offers a flexible ambidextrous fit. Strong and durable. Rolled cuff for easy donning. Smooth finish and 5 mil thickness. 9.5" length. Dispenser box.



Item No.	Size	Qty	Qty Break	Your Cost
4331-30	small	pack/100	1-9	4.20
			multiples of 10	3.50
			multiples of 100	2.99
4331-32	medium	pack/100	1-9	4.20
			multiples of 10	3.50
			multiples of 100	2.99
4331-34	large	pack/100	1-9	4.20
			multiples of 10	3.50
			multiples of 100	2.99
4331-36	x-large	pack/100	1-9	4.20
			multiples of 10	3.50
			multiples of 100	2.99

## HEAVY DUTY REUSABLE



### OMNI® Neoprene Heavy Duty Gloves (Ansell Edmont)

Durable, long-wearing and resistant to a wide range of chemicals and acids. Extremely touch-sensitive and lightweight, with skid-proof tread providing a sure grip. Seamless with a soft absorbent lining. Comfortable fit with contour fingers and palm. 11 1/2" length. Per pair.

Item No.	Size	Qty Break	Your Cost
4328-25	7 (small)	1-9	2.30
		10+	1.78
4328-30	8 (medium)	1-9	2.30
		10+	1.78
4328-35	9 (large)	1-9	2.30
		10+	1.78
4328-40	10 (x-large)	1-9	2.30
		10+	1.78

## Poxygrid® Glove Dispensers (Bel-Art Scienceware)

Keep disposable gloves handy with these welded steel wire racks. Retaining compartment internal size 12.7cm W x 9.5cm D (5 W x 3 3/4" D). Designed for mounting to a vertical surface. Blue epoxy coated racks are steam autoclavable at 121°C (250°F).

Product not included



Item No.	Mfr Item No.	Capacity	Size	List Price	% Off List	Your Cost
3050-88	F247390001	Single box	14W x 10.8D x 21H cm	24.45	20	19.56
			(5 1/2W x 4 1/4D x 8 1/4"H)			
3050-90	F247390003	Triple box	43.2W x 10.8D x 21H cm	47.90	20	38.32
			(17 1/2W x 4 1/4D x 8 1/4"H)			

## Sol-Vex Nitrile Reusable Gloves (Ansell Edmont)

Resists cuts, punctures and abrasions. Provides chemical and degradation resistance superior to rubber and neoprene in most solvents. Embossed texture improves grip. Designed for comfort with curved fingers and a contoured palm. Flock lined.



Item No.	Size	Qty	Qty Break	Your Cost
4332-10	9 (small/medium)	12 pair	1-4	23.14
			5+	20.64
4332-12	10 (medium/large)	12 pair	1-4	23.14
			5+	20.64
4332-14	11 (large/x-large)	12 pair	1-4	23.14
			5+	20.64

## Interlocking Glove Racks

### Ultimate in glove storage

These epoxy coated steel glove racks provide complete laboratory flexibility. The racks can slide together and connect either horizontally or vertically to create glove storage in any desired configuration. These versatile racks come with mounting screws and are designed to fit most major brands of gloves. This is a great alternative to expensive and easy to crack acrylic storage units.



Product not included

Item No.	Mfr. Item No.	List price	% Off List	Your Cost
3050-93	RG001	25.96	30	18.17

800-328-8378

## ACCESSORIES: FOR SANITATION AND SAFETY SUPPLIES



Autoclave Gloves see page 17.  
Hand Cream see pages 186-187.

SAFETY SUPPLIES

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## Infinity™ Safety Goggles, Clear Lens (Qvis)

*Stylish yet serious protection*



Good fit for narrower faces. The front lens is a single piece of impact resistant, molded polycarbonate that curves to fit the eye area and with a stylish v-cut at the temple. Adjustable at the temple for a comfortable, custom fit. Black frame. 99.9% UV protective, anti-fog, scratch resistant lenses. ANSI Z87.1 ANSI Z87.1-1989.

Item No.	List Price	% Off List	Qty Break	Your Cost
4400-50	8.31	57	1-11	<b>3.57</b>
		67	12+	<b>2.74</b>

## Lucent™ Visitors Glasses, Clear Lens (Qvis)

These visitor's glasses offer impact protection in an UV protective polycarbonate lens. The lenses provide comfortable coverage even when worn over prescription glasses. A molded bridge keeps glasses in place. The glasses have vented side shields.



Item No.	List Price	% Off List	Qty Break	Your Cost
4400-10	2.48	15	1-11	<b>2.11</b>
		40	12+	<b>1.49</b>

## Defender™ Safety Glasses, Clear Lens (Qvis)



These safety glasses feature light-weight wrap around protection. The frames are adjustable at the temple for a comfortable, custom fit. The molded nose bridge prevents slipping. 99.9% UV protective, anti-fog, scratch resistant lenses. ANSI Z87.1-1988

Item No.	Description	List Price	% Off List	Qty Break	Your Cost
4401-10	black	3.85	25	1-11	<b>2.89</b>
			45	12+	<b>2.12</b>
4401-20	blue	3.85	25	1-11	<b>2.89</b>
			45	12+	<b>2.12</b>
4401-30	red	3.85	25	1-11	<b>2.89</b>
			45	12+	<b>2.12</b>
4401-40	yellow	3.85	25	1-11	<b>2.89</b>
			45	12+	<b>2.12</b>
4401-50	USA (red, white, blue)	3.85	25	1-11	<b>2.89</b>
			45	12+	<b>2.12</b>

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- Plum® Pre-Filled Emergency Eye and Skin Washes
- Additional Eye-Wash Stations from Bel-Art
- Corded Earplugs from 3M E-A-R
- Retainers for Safety Glasses

## Flex™ Safety Goggles w/ Indirect Vent, Clear (Qvis)



*Defend against splash*

These goggles are made of a soft vinyl frame with a polycarbonate lens. The flexible frame molds comfortably to the face for a secure fit. The polycarbonate lens is anti-fog and scratch-resistant. The goggles allow room for most prescription glasses and the adjustable headband provides a custom fit for any wearer. Various vent configurations in the frame allow airflow for cooling. ANSI approved. Z87.1 1989

Item No.	List Price	% Off List	Qty Break	Your Cost
4402-12	3.85	10	1-11	<b>3.47</b>
		35	12+	<b>2.50</b>

## Emergency Eyewash Bottle (Bel-Art Scienceware)

Upgrade your eyewash station. This bottle has an eyecup for an upgraded fluid delivery system that allows the victim's eye to be treated in any position, whether the victim is sitting, lying down or standing upright. Universal symbols and multi-language directions on the bottle confirm how to use the eyewash bottle. Snap on cap protects eyecup surfaces from contaminants. Bottle comes empty.



Item No.	Mfr. Item No.	Size	List Price	% Off List	Your Cost
4334-22	248500000	500 mL / 16 oz.	13.00	20	<b>10.40</b>
4334-23	248510000	1000 mL / 32 oz.	14.25	20	<b>11.40</b>

## 200 mL Sterile pH Neutralizing Eye Wash Refill (Bel-Art Scienceware)

A conveniently sized bottle containing sterile pH neutralizing solution. The bottle is easy to take with you in vehicles, toolboxes or first aid kits. Complete with form-fitting eye cup, dust cap and clear instructions for use. May be used to refill eye wash stations or for use alone. Rinsing time: Approx. 2 min. per bottle.



Item No.	Mfr Item No.	Qty	List Price	% Off List	Your Cost
4334-46	F24880-1023	Pack/3	43.00	20	<b>34.40</b>

## Dual Sterile pH Neutralizing and Sterile Saline Eye Wash Station (Bel-Art Scienceware)

An open wall-mountable station with 200 mL sterile pH neutralizing and 500 mL sterile 0.9% saline eye wash bottles. pH Neutralizing solution may be used alone or with Saline solution for accidents involving acids/alkalis; Saline solution may be used alone for accidents involving debris. The station is equipped with a mirror and clear instructions for use. Not suitable for very dusty and dirty workplaces. Hardware for wall mounting included. Total rinsing time: Approx. 2 min. for pH Neutralizing Eye Wash and 5 min. for Sterile Saline Eye Wash.



Item No.	Mfr Item No.	List Price	% Off List	Your Cost
4334-44	F24880-4003	62.25	20	<b>49.80</b>

Assure worker and product protection with apparel From Weber Scientific

Economical Disposable Bouffant Caps

Colors Now Available!

Hand-sewn soft polypropylene for the ultimate in affordable sanitary protection. Full size white caps are lightweight with a comfortable easy-to-wear elastic fit. High breathability, non-irritating, anti-static, lint-free and flame resistant! Meets all FDA standards.

compare & save

CUSTOM COMPETITIVE PRICING



4323-35

4323-31

Item No.	Size	Qty	Color	List Price	% Off List	Qty Break	Your Cost
4323-41	19"	case/1000	Blue	44.12	50	1-9	<b>22.06</b>
		(10 bags of 100)			55	10+	<b>19.85</b>
4323-43	21"	case/1000	Red	45.58	50	1-9	<b>22.79</b>
		(10 bags of 100)			55	10+	<b>20.51</b>
4323-45	24"	case/1000	Red	50.74	50	1-9	<b>25.37</b>
		dispenser pack			55	5+	<b>22.83</b>
4323-42	21"	case/1000	Blue	66.32	50	1-4	<b>33.16</b>
		(10 bags of 100)			55	5+	<b>29.84</b>
4323-44	24"	case/1000	Blue	75.88	50	1-4	<b>37.94</b>
		dispenser pack			55	5+	<b>34.15</b>
4323-13	19"	case/1000	White	44.12	50	1-9	<b>22.06</b>
		(10 bags of 100)			55	10+	<b>19.85</b>
4323-02	21"	case/1000	White	61.76	50	1-9	<b>30.88</b>
		dispenser pack			55	10+	<b>27.79</b>
4323-15	21"	case/1000	White	45.58	50	1-9	<b>22.79</b>
		(10 bags of 100)			55	10+	<b>20.51</b>
4323-03	24"	case/1000	White	65.44	50	1-9	<b>32.72</b>
		dispenser pack			55	10+	<b>29.45</b>
4323-17	24"	case/1000	White	50.74	50	1-9	<b>25.37</b>
		(10 bags of 100)			55	10+	<b>22.83</b>

Economical Disposable Beard Covers

Breathable soft polypropylene with an easy-to-wear elastic fit. Flame resistant.

Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
4323-35	case/1000	55.20	50	1-9	<b>27.60</b>
	(10 bags of 100)		55	10+	<b>24.84</b>

Economy Stockinet™ Hairnets

Fine mesh – holes too small to measure. Super soft and comfortable. Washable and flame retardant. White only.

Item No.	Size	Qty	List Price	% Off List	Qty Break	Your Cost
4323-31	21"	case/1000	152.81	50	1-4	<b>76.41</b>
		(10 bags of 100)		55	5+	<b>68.76</b>
4323-33	24"	case/1000	200.94	55	1-4	<b>90.42</b>
		(10 bags of 100)		60	5+	<b>80.38</b>



Disposable Arm Guards



Economical polyethylene arm guards feature interlocked closed seam construction for extra strength and maximum protection from liquid penetration, spills and splashes.

Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
4327-80	case/500 pair	53.80	50	1-9	<b>26.90</b>
	(5 pair/bundle;		60	10+	<b>21.52</b>
	10 bundles per bag;				
	10 bags per case)				



4319-04

4319-06

4319-08

Dispensers (Keystone)

Product not included

- High impact material
- Chemical resistant
- Wall mounted capability

Item No.	Size	Capacity	Dimensions	Your Cost
4319-04	Medium	50 hairnets/caps or 100 beard covers	8 x 3.5 x 10.5" H	<b>70.00</b>
4319-06	Large	100 hairnets/caps or 300 beard covers	12 x 5 x 12" H	<b>70.00</b>
4319-08	Triplex	100 hairnets/caps or 300 beard covers	12 x 3 x 8" H	<b>70.00</b>



4319-20



4327-50

### Keyguard® Disposable Lab Coats (Keystone)

- Compare to Tyvek™
- Choice of pockets or no pockets
- Single collar with open wrists
- Snap closures
- White color
- 30 per case

Tyvek™ is a registered trademark of DuPont



Item No.	Qty	Description	List Price	% Off List	Qty Break	Your Cost
4319-20	Small	with pockets	164.13	70	1-9	<b>49.24</b>
				75	10+	<b>41.03</b>
4319-22	Medium	with pockets	164.13	70	1-9	<b>49.24</b>
				75	10+	<b>41.03</b>
4319-24	Large	with pockets	164.13	70	1-9	<b>49.24</b>
				75	10+	<b>41.03</b>
4319-26	X-Large	with pockets	164.13	70	1-9	<b>49.24</b>
				75	10+	<b>41.03</b>
4319-28	XXL	with pockets	164.13	70	1-9	<b>49.24</b>
				75	10+	<b>41.03</b>
4319-30	Small	no pockets	166.00	70	1-9	<b>49.80</b>
				75	10+	<b>41.50</b>
4319-31	Medium	no pockets	166.00	70	1-9	<b>49.80</b>
				75	10+	<b>41.50</b>
4319-32	Large	no pockets	166.00	70	1-9	<b>49.80</b>
				75	10+	<b>41.50</b>
4319-33	X-Large	no pockets	166.00	70	1-9	<b>49.80</b>
				75	10+	<b>41.50</b>
4319-34	XXL	no pockets	166.00	70	1-9	<b>49.80</b>
				75	10+	<b>41.50</b>

### Disposable Polyethylene Aprons

Lightweight bib style apron has long ties in back. Protects the wearer from liquids and is stain resistant. Inexpensive protection. 24" wide X 42" lon White color.

Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
4327-50	pack/ 100	19.75	72	1-9	<b>5.53</b>
			75	multiples of 10	<b>4.94</b>

### Johnson & Johnson® Red Cross First Aid Kit "To Go"

Includes essential first aid items and supplies such as Band-Aid® Brand Adhesive Bandages, hand cleansing wipes, and Band-Aid® Brand of First Aid Products Gauze Pads in a durable plastic case that fits in your pocket, backpack, gym bag, or suitcase to care for minor cuts and scrapes.

Size: 1.1 x 4 x 4.6 inches, 2.1 ounces



Item No.	Mfr Item No.	Description	Qty Break	Your Price
4390-33	008295	12 Piece First Aid Kit	1-47	<b>1.78</b>
			Multi. of 48	<b>1.25</b>



### Johnson & Johnson® Industrial 225 Piece First Aid Kit

*This First Aid Kit has 225 pieces for up to 50 people and comes in a metal shell case.*

First Aid Kit contains 155 Band-Aid® adhesive bandages, 20 antiseptic wipes, 12 Tylenol Ex-Strength caplets, 20 first aid nonstick pads, six burn cream packets, two oval eye pads, one pair of health-care non-latex gloves, one surgical wound dressing, two 2" Kling gauze packets, one first aid tape, one triangular bandage, scissors, tweezers, one cold pack, one elastic bandage and first aid guide. Ideal for use in office, laboratory, warehouses, light manufacturing and more. Includes metal shell case that can be mounted to a wall. Contains 225 pieces for up to 50 people.

Size: 10.8 x 10.8 x 2.5 inches, 4 pounds

Item No.	Mfr Item No.	Description	Qty Break	Your Price
4390-35	008162	225 Piece First Aid Kit	1-5	<b>80.51</b>
			Multi. Of 6	<b>67.98</b>

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• See website for complete line of first aid supplies

# Sampling Supplies



## Flexible Double-Tipped Cotton Swabs

100% pure cotton tip on a flexible plastic stick. 500 count.

Item No.	Qty	Qty Break	Your Cost
3060-04	each	1	4.20
		Mult. of 24	3.06



3060-42

## Tongue Depressors (Puritan®)

### Individually Wrapped Tongue Depressors Offer Sterile Sampling For A Fraction Of The Cost

Extremely economical! Popular for a wide variety of laboratory sampling and application procedures. Odorless and tasteless white birch.

Item No.	Description	Size	Qty	List Price	% Off List	Qty Break	Your Cost
3060-30	non-sterile bulk pack	4 1/2" X 3/8"	pack/1000	23.50	50	1-9	11.75
					60	Multiples of 10	9.40
3060-35	non-sterile bulk pack	6" X 11/16"	pack/500	22.00	50	1-9	11.00
					60	Multiples of 10	8.80
3060-42	sterile ind. wrapped	6" X 11/16"	case/1000	165.90	50	1-9	82.95
					60	Multiples of 10	66.36



3060-15



3060-16

3060-40

## Wooden Sampling Spoons (Puritan)

Convenient flat spoon shape. Odorless and tasteless white birch.

Item No.	Description	Size	Qty	List Price	% Off List	Qty Break	Your Cost
3060-40	non-sterile, bulk pack	5"	pack/500	28.32	50	1-9	14.16
					60	Multiples of 10	11.33

## Wooden Applicator Sticks (Puritan)

Sterile sticks are used as mixing rods, specimen transfer and many other laboratory applications. Straight-cut ends.

Item No.	Description	Size	Qty	List Price	% Off List	Qty Break	Your Cost
3060-49	sterile, 2 sticks per pack	6" X 1/12"	case/2000	247.24	50	1-9	123.62
					60	Multiples of 10	98.90

## Applicators, Cotton Tip (Puritan)

Item No.	Description	Size	Qty	List Price	% Off List	Qty Break	Your Cost
3060-05	sterile, individually	6 in.	plastic case/1000	165.00	50	1-9	82.50
					60	Multiples of 10	66.00
3060-07	sterile, 2 swabs	6 in.	plastic case/2000	169.00	50	1-9	84.50
					60	Multiples of 10	67.60
3060-10	sterile, individually	6 in.	wood case/1000	150.00	50	1-9	75.00
					60	Multiples of 10	60.00
3060-12	sterile, 2 swabs	6 in.	wood case/2000	165.00	50	1-9	82.50
					60	Multiples of 10	66.00
3060-15	non-sterile,	6 in.	wood case/1000	25.00	50	1-9	12.50
					60	Multiples of 10	10.00
3060-16	non-sterile large-tip,	6 in.	wood case/500	14.80	50	1-9	7.40
					60	Multiples of 10	5.92

## Slider Zipper Poly Bags

Meets FDA and USDA specifications for food inspection

Heavy duty polyethylene bags with a consistently tight seal. Easy to use with gloves. 2.7 mil thick. Case of 250.



Item No.	Nominal capacity	Dimensions Outside, inches/mm	Usable Size, inches/mm
3151-40	Quart	8 x 7 / 203 x 178	6 3/4 x 7 / 171 x 178
3151-41	Gallon	10.5 x 11 / 267 x 179	9 x 11 / 229 x 279
3151-42	2 1/2 Gallon	13 x 18 / 330 x 457	11.5 x 18 / 292 / 457

Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
3151-40	Quart Slider Zipper Bag	250	50.53	25	1-4	<b>37.90</b>
				35	5+	<b>32.84</b>
3151-41	Gallon Slider Zipper Bag	250	83.45	25	1-4	<b>62.59</b>
				35	5+	<b>54.24</b>
3151-42	2.5 Gallon Slider Zipper Bag	250	130.45	25	1-4	<b>97.84</b>
				35	5+	<b>84.79</b>

## Slider Write-On Strip Zipper Poly Bags

Meets FDA and USDA specifications for food inspection

Heavy duty polyethylene bags with a consistently tight seal. Easy to use with gloves. 2.7 mil thick. Case of 250.



Item No.	Nominal capacity	Dimensions Outside, inches/mm	Usable Size, inches/mm
3151-43	Quart	8 x 7 / 203 x 178	6 3/4 x 7 / 171 x 178
3151-44	Gallon	10.5 x 11 / 267 x 179	9 x 11 / 229 x 279

Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
3151-43	Quart Slider Zipper Bag	250	56.10	25	1-4	<b>42.08</b>
				35	5+	<b>36.47</b>
3151-44	Gallon Slider Zipper Bag	250	95.92	25	1-4	<b>71.94</b>
				35	5+	<b>62.35</b>

## Zipper Poly Bags

Meets FDA and USDA specifications for food inspection

Heavy duty polyethylene bags with a consistently tight seal. Easy to use with gloves. 2 mil thick. Case of 1000.



Item No.	Nominal capacity	Description	Dimensions Outside, inches/mm	Usable Size, inches/mm
3151-50	Quart	with hang-hole	8 x 7 / 203 x 178	6 3/4 x 7 / 171 x 178
3151-51	Gallon		10.5 x 11 / 267 x 179	9 x 11 / 229 x 279
3151-52	2 1/2 Gallon		13 x 18 / 330 x 457	11.5 x 18 / 292 x 457

Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
3151-50	Quart Zipper Bag	1000	89.91	25	1-2	<b>67.43</b>
				35	3+	<b>58.44</b>
3151-51	Gallon Slider Zipper Bag	1000	160.40	25	1-2	<b>120.30</b>
				35	3+	<b>104.26</b>
3151-52	2.5 Gallon Zipper Bag	1000	285.16	25	1-2	<b>213.87</b>
				35	3+	<b>185.35</b>

## Zipper 4 mil Poly Bags

Meets FDA and USDA specifications for food inspection

Extra heavy duty polyethylene bags with a consistently tight seal. Easy to use with gloves. 4 mil thick. Case of 1000.



Item No.	Nominal capacity	Description	Dimensions Outside, inches/mm	Usable Size, inches/mm
3151-53	Quart	with hang-hole	8 x 7 / 203 x 178	6 3/4 x 7 / 171 x 178
3151-54	Gallon		10.5 x 11 / 267 x 179	9 x 11 / 229 x 279

Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
3151-53	Quart Zipper Bag	1000	198.00	25	1-2	<b>148.50</b>
				35	3+	<b>128.70</b>
3151-54	Gallon Slider Zipper Bag	500	173.12	25	1-2	<b>129.84</b>
				35	3+	<b>112.53</b>



## General Purpose Plastic Bags (Bel-Art Scienceware)

Non-sterile, reusable, transparent polyethylene bags fill a variety of needs: shipping, storage and especially useful as sample bags. Not autoclavable. The lightweight bags are .0015" thick and heavy-weight bags are .0016 mm (.004") thick. pack/100.

Item No.	Lightweight Size inches/mm	List Price	% Off List	Your Cost
<b>3150-15</b>	8 x 12 / 203 x 305	21.90	10	<b>19.71</b>
<b>3150-20</b>	8 x 16 / 203 x 406	27.35	10	<b>24.62</b>
<b>3150-25</b>	10 x 16 / 254 x 406	30.85	10	<b>27.77</b>
<b>3150-30</b>	12 x 18 / 305 x 457	32.60	10	<b>29.34</b>
<b>3150-35</b>	12 x 20 / 305 x 508	37.45	10	<b>33.71</b>

Item No.	Heavyweight Size inches/mm	List Price	% Off List	Your Cost
<b>3151-10</b>	6 x 12 / 152 x 254	35.95	10	<b>32.36</b>
<b>3151-15</b>	8 x 12 / 203 x 305	34.00	10	<b>30.60</b>
<b>3151-25</b>	10 x 16 / 254 x 406	50.80	10	<b>45.72</b>
<b>3151-30</b>	12 x 16 / 305 x 406	54.35	10	<b>48.92</b>
<b>3151-35</b>	12 x 20 / 305 x 508	65.20	10	<b>58.68</b>

## Whirl-Pak® Sterile Filter Bags (Nasco)

- Bag has a finely perforated middle layer of polyethylene, 1,840 holes per square inch, and each hole has a diameter of .33 mm, 330 microns.
- Designed for use in laboratory homogenizer blenders, to separate liquids from solids during the blending process.
- After the sample has been blended, a pipet can be used to remove the liquid for testing.
- Bag can easily be reclosed and retained for future use.
- With write-on strip – label with an ordinary ballpoint pen, pencil or marker.
- Capacity is measured when the bag is closed and tab is folded over 3 times. *Volume and dimensions are approximate.*
- Bags should not be used at temperatures above 180°F (82°C).



## Pipet Filter Sleeve (Nasco 01523)



*Sterile filter sleeve separates all particles so you draw a clean sample with your pipet every time*

- Sleeves have plastic on one side and fine filter mesh on the other
- 25 sterile sleeves are packed in a reclosable Whirl-Pak
- 10 1/2" (267 mm) long (mesh portion) by 0.8" (20 mm) diameters). Fits most pipets. Filter hole size is 330 microns.

Item No.	Mfr Item No.	Capacity		Size		Thickness mil	Qty/pack	List Price	% Off List	Your Cost
		Oz. /	mL	Inches	mm					
<b>3034-80</b>	01385	7	207	3 3/4 X 7	95 X 179	3	250	119.70	10	<b>107.73</b>
<b>3034-93</b>	01348	24	710	6 X 9	150 X 230	4	250	156.50	10	<b>140.85</b>
<b>3034-95</b>	01318	55	1627	7 1/2 X 12	190 X 300	4	250	186.00	10	<b>167.40</b>
<b>3034-97</b>	01416	69	2041	7 1/2 X 15	190 X 380	4	250	196.60	10	<b>176.94</b>
<b>3034-94</b>	01488	92	2732	10 X 15	254 X 380	4	100	146.60	10	<b>131.94</b>
<b>3034-84</b>	01525	138	4080	15 x 15	380 x 380	4	100	157.40	10	<b>141.66</b>

## Filter Bag without Tape and Wire (Nasco)

Sterile filter blender bag with perforated closure but no tape and wire re-closure. 250 per box.

Item No.	Mfr Item No.	Capacity oz. / mL	Size Inches/m	Thickness mil	Qty/pack
<b>3035-22</b>	B01547WA	55 1,627	7 1/2 x 12 190x300	4	250

Item No.	List Price	% Off List	Qty Break	Your Cost
<b>3035-22</b>	154.00	10	1	<b>138.60</b>
		20	2+	<b>123.20</b>



Item No.	Qty	Qty Break	Your Cost
<b>3019-70</b>	500	1	<b>85.50</b>
	(20 x 25)	2+	<b>79.80</b>

### Here's how they work

- 1) Aseptically slide a sterile pipet into a sleeve. The plastic side is two inches longer than the filter side so pipets slide in easily.
- 2) Insert sleeved pipet into your sample.
- 3) Draw up sample. No particles (pulp, seeds, etc.) can pass through the mesh, only liquid.
- 4) Release sample into container or petri dish.



## Sterile Homogenizer Blender Bags (Nasco)

- Fits Stomacher® and all other blenders.
- All bags (including plain opening) are sealed at the top to maintain sterility and have a perforation for easy opening.
- Sterile, single service bags are made of heavy transparent polyethylene.
- Leak-proof and airtight.
- Puncture-proof tabs.
- Capacity is measured when the bag is closed and tab is folded over 3 times. Volume and dimensions are approximate.
- Bags should not be used at temperatures above 180°F (82°C). Bags can be frozen to any temperature.
- Write-on strips have a paper-like and smear-resistant finish and can be written on with an ordinary ballpoint pen, pencil or marker.



3034-79



3034-89

Item No.	Mfr Item No.	Capacity Oz.	Capacity mL	Size Inches	Size mm	Description	Thickness mil	Qty/ pack	List Price	% Off List	Your Cost
<b>3034-85</b>	01063	24	710	6 X 9	150 X 230	Whirl-Pak plain	4	500	110.10	10	<b>99.09</b>
<b>3034-87</b>	01196	24	710	6 X 9	150 X 230	Whirl-Pak w/ write-on strip	4	500	115.00	10	<b>103.50</b>
<b>3034-89</b>	01195	55	1627	7 1/2 X 12	190 X 300	Whirl-Pak w/write-on strip	4	500	167.70	10	<b>150.93</b>
<b>3034-91</b>	01239	52	1560	7 X 13	185 X 330	Whirl-Pak w/ write-on strip & round bottom seal	4	500	183.50	10	<b>165.15</b>
<b>3034-79</b>	01421	55	1627	7 X 12	185 X 300	plain opening with perforation	3	1000	124.60	10	<b>112.14</b>
<b>3034-82</b>	01474	184	5441	15 X 20	275 X 500	plain opening with perforation	4	250	157.30	10	<b>141.57</b>



## Locking Pipe Closures (Nasco)

These handy locking pipes allow you to temporarily close a Whirl-Pak® bag without having to whirl it closed for an air- and watertight seal. Use the locking pipes with the plain closure bags (B01547WA) to save money. Locking Pipes are auto-clavable and cost effective. Pack of 50 nonsterile closures. Available pack of 50.

Item No.	List Price	% Off List	Your Cost
<b>3033-85</b>	55.00	10	<b>49.50</b>

## Stomacher® Lab Blender Bags (Seward)

Seward blender bags are manufactured using high-grade, food-quality polyethylene. Strongest and most durable bags available—2.75 mil thick. Gamma-irradiated—sterility certificate available upon request.

**Closure Bags** – can be securely closed with the wire closure strip across the top of the bag. These bags also feature rounded corners for optimal sample recovery.

**Strainer Bags** – have an inner plastic mesh bag that retains larger particles of your sample to help prevent your pipet from getting clogged.



Item No.	Mfr Item No.	Description	Size mm/in.	Qty	List Price	% Off List	Your Cost
<b>3068-30</b>	30020103	Standard Bags for Model 400; packs of 50	177 x 305 / 7 x 12	cs/500	97.08	10	<b>87.37</b>
<b>3068-32</b>	30020146	Standard Bags for Model 400; packs of 5	177 x 305 / 7 x 12	cs/500	153.34	10	<b>138.01</b>
<b>3068-34</b>	30020219	Closure Bags for Model 400, rounded	177 x 305 / 7 x 12	cs/250	183.13	10	<b>164.82</b>
<b>3068-36</b>	30020251	Strainer Bags for Model 400	177 x 305 / 7 x 12	cs/200	243.80	10	<b>219.42</b>
<b>3068-38</b>	30020316	Standard Bags for Model 3500	380 x 510 / 15 x 20	cs/250	210.70	10	<b>189.63</b>

## Stomacher® Bag Racks (Seward)

Item No.	Mfr Item No.	Description	Capacity	List Price	% Off List	Your Cost
<b>3068-41</b>	30021100	Bag Rack for Model 400	1 bag	49.64	5	<b>47.16</b>
<b>3068-43</b>	30021126	Bag Rack for Model 400	10 bags	168.77	5	<b>160.33</b>
<b>3068-45</b>	30021207	Bag Rack for Model 3500	3 bags	333.16	5	<b>316.50</b>
<b>3068-47</b>	30021509	Bag Opener		44.13	5	<b>41.92</b>

### ACCESSORIES: FOR SAMPLING BAGS



Utility Carriers see page 101.  
 Lab Homogenizers see pages 20-21.  
 Non-Sterile Bags see pages 14, 148-149.



## Weber Scientific Sterile Sampling Whirl-Bags

Save money – comparable to Whirl-Pak®, but without the famous brand

- Sterile, single service bags are made of heavy transparent polyethylene.
- Leak-proof and airtight.
- Puncture-proof tabs.
- Capacity is measured when the bag is closed and tab is folded over 3 times. Volume and dimensions are approximate.
- Bags should not be used at temperatures above 180°F (82°C). Bags can be frozen to any temperature.
- Write-on strips have a paper-like and smear-resistant finish and can be written on with an ordinary ballpoint pen, pencil or marker.
- Double round wire closures.



Item No.	Capacity		Size		Description	Tape Color	Thickness mil	Qty/ pack	List Price	% Off List	Your Cost
	Oz.	mL	Inches	mm							
<b>3032-51</b>	2	58	3 X 5	75 X 125	write-on strip (doubles as fill line)	white	2.25	500	50.70	15	<b>43.10</b>
<b>3033-50</b>	4	118	3 X 7 1/4	75 X 185	plain	white	2.25	500	46.16	15	<b>39.24</b>
<b>3033-51</b>	4	118	3 X 7 1/4	75 X 185	write-on strip	white	2.25	500	49.59	15	<b>42.15</b>
<b>3034-50</b>	18	532	4 1/2 X 9	115 X 230	plain	white	2.25	500	64.98	15	<b>55.23</b>
<b>3034-51</b>	18	532	4 1/2 X 9	115 X 230	write-on strip	white	2.25	500	69.81	15	<b>59.34</b>
<b>3034-75</b>	24	710	6 X 9	150 X 230	plain	white	3	500	85.20	15	<b>72.42</b>
<b>3034-77</b>	24	710	6 X 9	150 X 230	write-on	white	3	500	92.55	15	<b>78.67</b>



## Whirl-Pak® Color-Coded Sampling Bags (Nasco)

Item No.	Mfg. Item No.	Capacity		Size		Tape Color	Thickness mil	Qty/ pack	List Price	% Off List	Your Cost
		Oz. / mL	Inches	Size mm							
<b>3032-01</b>	01062WT	4 / 118	3 X 7 1/4	75 X 185	White	2.25	500	51.20	12	<b>45.06</b>	
<b>3032-02</b>	01062BT	4 / 118	3 X 7 1/4	75 X 185	Blue	2.25	500	51.20	12	<b>45.06</b>	
<b>3032-03</b>	01062RT	4 / 118	3 X 7 1/4	75 X 185	Red	2.25	500	51.20	12	<b>45.06</b>	
<b>3032-05</b>	01065WT	18 / 532	4 1/2 X 9	115 X 230	White	2.5	500	75.90	12	<b>66.79</b>	
<b>3032-06</b>	01065BT	18 / 532	4 1/2 X 9	115 X 230	Blue	2.5	500	75.90	12	<b>66.79</b>	
<b>3032-07</b>	01065RT	18 / 532	4 1/2 X 9	115 X 230	Red	2.5	500	75.90	12	<b>66.79</b>	
<b>3032-09</b>	01297WT	24 / 710	6 X 9	150 X 230	White	3	500	102.10	12	<b>89.85</b>	
<b>3032-10</b>	01297BT	24 / 710	6 X 9	150 X 230	Blue	3	500	102.10	12	<b>89.85</b>	
<b>3032-11</b>	01297RT	24 / 710	6 X 9	150 X 230	Red	3	500	102.10	12	<b>89.85</b>	
<b>3032-13</b>	01195WT	55 / 1627	7 1/2 X 12	190 X 300	White	4	500	167.70	12	<b>147.58</b>	
<b>3032-14</b>	01195BT	55 / 1627	7 1/2 X 12	190 X 300	Blue	4	500	167.70	12	<b>147.58</b>	
<b>3032-15</b>	01195RT	55 / 1627	7 1/2 X 12	190 X 300	Red	4	500	167.70	12	<b>147.58</b>	

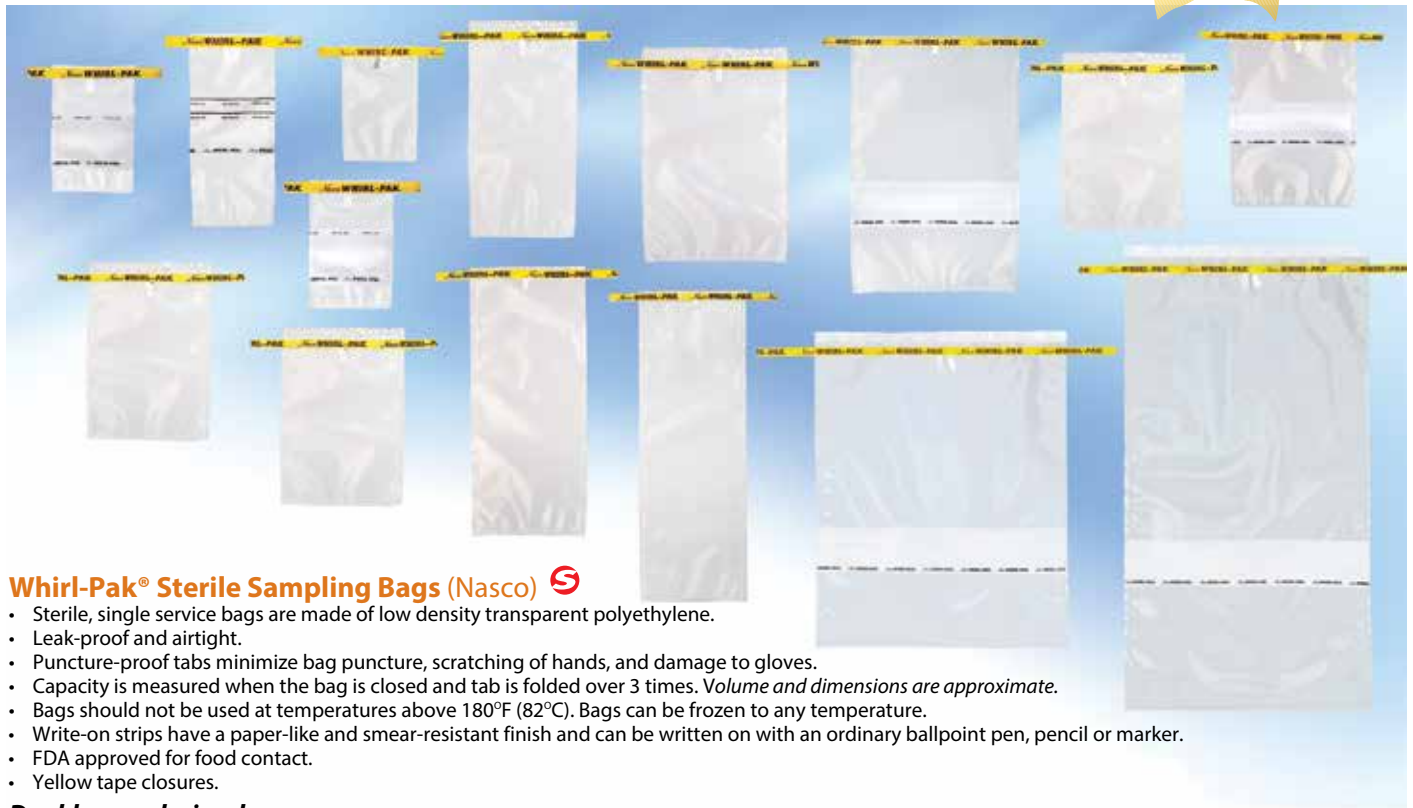
- Sterile, single service bags are made of heavy transparent polyethylene.
- Write-on strips have a paper-like and smear-resistant finish and can be written on with an ordinary ballpoint pen, pencil or marker.
- Leak-proof and airtight.
- Puncture-proof tabs.
- Capacity is measured when the bag is closed and tab is folded over 3 times. Volume and dimensions are approximate.
- Bags should not be used at temperatures above 180°F (82°C). Bags can be frozen to any temperature.
- Double round wire closures.

## Whirl-Pak Black Bags

When it is necessary to protect a sample from light, the Whirl-Pak black bag is specially designed for this application. The polyethylene film is made from pigmented resins so the black color is an integral part of the bag and not a printed layer. FDA approved for food contact. Film thickness is 2.5 mil (0.064mm).

Item No.	Mfr Item No.	Size	Qty	List price	% Off	
					List	Your Price
<b>3032-67</b>	B01472WA	4 oz	Case/500	67.60	10	<b>60.84</b>
<b>3032-68</b>	B01418WA	18 oz	Case/500	102.30	10	<b>92.07</b>





### Whirl-Pak® Sterile Sampling Bags (Nasco)

- Sterile, single service bags are made of low density transparent polyethylene.
- Leak-proof and airtight.
- Puncture-proof tabs minimize bag puncture, scratching of hands, and damage to gloves.
- Capacity is measured when the bag is closed and tab is folded over 3 times. *Volume and dimensions are approximate.*
- Bags should not be used at temperatures above 180°F (82°C). Bags can be frozen to any temperature.
- Write-on strips have a paper-like and smear-resistant finish and can be written on with an ordinary ballpoint pen, pencil or marker.
- FDA approved for food contact.
- Yellow tape closures.

#### Double round wire closure:

Item No.	Mfr Item No.	Capacity Oz. / mL	Inches	Size mm	Description	Thickness mil	Qty/ pack	List Price	% Off List	Your Cost
<b>3031-90</b>	01009	2 58	3 X 5	75 X 125	plain	2.25	500	44.80	10	<b>40.32</b>
<b>3032-00</b>	01064	2 58	3 X 5	75 X 125	write-on strip (doubles as fill line)	2.25	500	47.90	10	<b>43.11</b>
<b>3033-00</b>	00679	4 118	3 X 7 1/4	75 X 185	plain	2.25	500	45.90	10	<b>41.31</b>
<b>3033-01</b>	01062	4 118	3 X 7 1/4	75 X 185	write-on strip (doubles as fill line)	2.25	500	49.30	10	<b>44.37</b>
<b>3033-03</b>	00992	7 207	3 3/4 X 7	95 X 180	plain	3	500	56.30	10	<b>50.67</b>
<b>3033-06</b>	01489	7 207	3 3/4 X 7	95 X 180	write-on strip	2.5	500	61.70	10	<b>55.53</b>
<b>3033-78</b>	01018	13 384	5 1/14 X 7 1/2	130 X 190	plain	3	500	72.40	10	<b>65.16</b>
<b>3033-79</b>	01490	13 384	5 1/14 X 7 1/2	130 X 190	write-on strip	2.5	500	81.00	10	<b>72.90</b>
<b>3034-00</b>	00736	18 532	4 1/2 X 9	115 X 230	plain	2.5	500	64.60	10	<b>58.14</b>
<b>3034-01</b>	01065	18 532	4 1/2 X 9	115 X 230	write-on strip	2.5	500	69.40	10	<b>62.46</b>
<b>3034-65</b>	01020	24 710	6 X 9	150 X 230	plain	3	500	84.70	10	<b>76.23</b>
<b>3034-66</b>	01297	24 710	6 X 9	150 X 230	write-on strip	3	500	91.10	10	<b>81.99</b>
<b>3034-85</b>	01063	24 710	6 X 9	150 X 230	plain (homogenizer)	4	500	110.10	10	<b>99.09</b>
<b>3034-87</b>	01196	24 710	6 X 9	150 X 230	write-on strip (homogenizer)	4	500	115.00	10	<b>103.50</b>
<b>3034-67</b>	00990	27 798	5 X 12	125 X 305	plain	3	500	88.30	10	<b>79.47</b>
<b>3034-68</b>	01491	27 798	5 X 12	125 X 305	write-on strip	3	500	105.90	10	<b>95.31</b>
<b>3034-88</b>	00994	36 1065	5 X 15	125 X 380	plain (homogenizer)	3	500	103.20	10	<b>92.88</b>
<b>3034-86</b>	01027	42 1242	6 X 15	150 X 380	plain	3	500	120.80	10	<b>108.72</b>
<b>3034-91</b>	01239	52 1538	7 X 13	185 X 330	write-on round bottom seal (homogenizer)	4	500	183.50	10	<b>165.15</b>
<b>3034-74</b>	01532	55 1627	7 1/2 X 12	190 X 300	plain (homogenizer)	4	500	138.10	10	<b>124.29</b>
<b>3034-89</b>	01195	55 1627	7 1/2 X 12	190 X 300	write-on strip (homogenizer)	4	500	167.70	10	<b>150.93</b>
<b>3034-92</b>	01323	69 2041	7 1/2 X 15	190 X 380	plain	3	500	138.30	10	<b>124.47</b>
<b>3034-90</b>	01515	69 2041	7 1/2 X 15	190 X 380	write-on strip	3	500	166.00	10	<b>149.40</b>
<b>3034-96</b>	01445	92 2732	10 X 15	254 X 380	write-on strip extra large	4	250	135.60	10	<b>122.04</b>
<b>3034-98</b>	01446	123 3637	10 X 20	254 X 508	write-on strip extra large	4	250	162.20	10	<b>145.98</b>
<b>3034-99</b>	01447	184 5441	15 X 20	380 X 508	write-on strip extra large	4	100	103.20	10	<b>92.88</b>

#### ACCESSORIES: FOR SAMPLING BAGS



Sponge Bags see pages 162-166.



## Whirl-Pak® Sterile Sampling Bags (Nasco) Single Flat Wire Closure:



Item No.	Mfr Item No.	Capacity Oz.	Capacity mL	Size Inches	Size mm	Description	Thickness mil	Qty/pack	List Price	% Off List	Your Cost
3031-80	01339	4	118	3 X 7 1/4	75 X 185	write-on strip (doubles as fill line)	2.25	500	52.90	10	47.61
3031-88	01341	18	532	4 1/2 X 9	115 X 230	write-on strip	2.5	500	75.00	10	67.50

## Stand-Up Bags:

- Special gusset creates a flat bottom when the sample is placed in the bag, allowing the bag to stand completely on its own.
- Double round wire closure.

Item No.	Mfr Item No.	Capacity Oz.	Capacity mL	Size Inches	Size mm	Description	Thickness mil	Qty/pack	List Price	% Off List	Your Cost
3033-70	01364	4	118	3 X 7 1/4	75 X 185	write-on strip (doubles as fill line)	2.5	500	62.40	10	56.16
3034-55	01365	18	532	4 1/2 X 9	115 X 230	write-on strip	3	500	92.50	10	83.25
3034-58	01401	24	710	6 X 9	150 X 230	write-on strip	3	500	115.10	10	103.59
3034-60	01448	27	798	5 X 12	125 X 305	write-on strip	3	250	69.70	10	62.73
3034-69	01449	36	1065	5 X 15	125 X 380	write-on strip	4	250	95.00	10	85.50
3034-83	01450	42	1242	6 X 15	150 X 380	write-on strip	2.5	250	109.40	10	98.46
3034-62	01451	69	2041	7 1/2 X 15	190 X 380	write-on strip extra large	4	250	125.60	10	113.04
3034-81	01542	138	4080	15 X 15	380 X 380	write-on strip extra large	4	100	167.60	10	150.84

NEW!

NEW!

## Racks for Whirl-Pak® Bags (Nasco)

- Plastic coated wire
- All double grid style (except as noted)

Steel racks are covered with an electrostatically applied powder coating, racks can be autoclaved.



Item No.	Mfr Item No.	Capacity	Description	Compartment Size	Overall Size	List Price	% Off List	Your Cost
3033-04	B00772WA *	18 place	fits 2 oz. & 4 oz. bags	1 1/2" X 2" 40 X 50 mm	6 3/4" X 11" X 3" 165 X 273 X 76 mm	23.20	10	20.88
3033-05	B00677WA *	21 place	fits 2 oz. & 4 oz. bags	1 1/2" X 2" 40 X 50 mm	6 3/4" X 12 3/4" X 3" 165 X 318 X 76 mm	24.40	10	21.96
3033-07	B00750WA	30 place	fits 2 oz. & 4 oz. bags	1 1/2" X 2" 40 X 50 mm	10 3/4" X 11 1/2" X 3" 248 X 270 X 76 mm	26.60	10	23.94
3034-04	B00751WA	12 place	fits 18 oz. bags	3 1/4" X 2 1/2" 76 X 60 mm	10 3/4" X 10 3/4" X 3 1/2" 254 X 254 X 90 mm	29.80	10	26.82
3033-95	B01048WA	6 place	fits up to 55 oz. bags	4 1/2" X 4 1/2" 114 X 114 mm	13 3/4" X 9 1/4" X 4 1/2" 350 X 235 X 114 mm	36.10	10	32.49
3033-90	B01309WA	rack handle	universal fit	18" long 457 mm		32.85	10	29.57
3033-08	B01533WA	1 place	fits 92 oz. bags single grid	7" dia. X 10"H 178 X 254 mm	7" dia. X 10"H 178 X 254 mm	37.10	10	33.39
3033-09	B01534WA	1 place	fits 123 oz. bags single grid	7" dia. X 12"H 178 X 300 mm	7" dia. X 12"H 178 X 300 mm	38.30	10	34.47
3033-10	B01535WA	1 place	fits 184 oz. bags single grid	9" dia. X 12"H 230 X 300 mm	9" dia. X 12"H 230 X 300 mm	39.60	10	35.64

\* Fits Nasco cooler 4380-51



## Whirl-Pak PakRack - 5 Slot (Nasco)

Close your plain opening bags with locking pipes and hang them on the PakRack. Store your samples safely with this rack made from a sanitizer-safe material for easy cleaning.

Dimensions:

- Slot to slot, 8-3/8" wide
- Overall, 8" W x 14" L x 10" H

Item No.	List Price	% Off List	Your Cost
3033-02	189.00	10	170.10



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Melissa Foster  
Customer Service Representative  
800-328-8378  
[mfoster@weberscientific.com](mailto:mfoster@weberscientific.com)

### Hinged Lid Sampling Vial (Thermo Scientific – Capitol Vial)

Industry standard vials, available in a variety of sizes, are made of autoclavable and recyclable translucent polypropylene. The patented airtight and leakproof hinged cap allows one-hand operation — reducing the chance of contamination. Plus no chance of the caps being placed on the wrong vial. Each container can be marked only once...no need to mark both cap and vial. Manufactured in strict compliance with all bacterial requirements of the Pasteurized Milk Ordinance (PMO).



Item No.	Capacity mL/oz	Description	Qty	Qty Break	Your Cost
3040-11	11/0.4	"Cornell" mastitis vial, short profile	case/500	1-13	<b>71.76</b>
				14+	<b>63.00</b>
3040-15	13/0.4	"Vet" vial, longer profile	case/500	1-13	<b>64.24</b>
				14+	<b>56.40</b>
3040-16	13/0.4	"Vet" vial, longer profile	case/1500	1-13	<b>190.11</b>
				14+	<b>167.20</b>
3040-00	45/1.5	Standard size vial Commonly referenced as 2 oz	case/600	1-13	<b>79.96</b>
				14-23	<b>77.05</b>
3040-03	90/3	High profile design	case/400	multi. of 24	<b>72.68</b>
				1-13	<b>57.95</b>
3040-12	90/3	High profile design graduated	case/400	14-23	<b>55.61</b>
				multi. of 24	<b>55.00</b>
3040-04	120/4	Same high profile design as standard vial	case/250	1-13	<b>66.65</b>
				14-23	<b>63.48</b>
3040-08	240/8	Low profile design (cottage cheese, etc.)	case/150	multi. of 24	<b>60.59</b>
				1-13	<b>43.11</b>
3040-08	240/8	Low profile design (cottage cheese, etc.)	case/150	14+	<b>39.32</b>
				1-13	<b>51.92</b>
				14+	<b>46.56</b>

### Free Freight on Capitol sampling vials!

Weber Scientific now offers **FREE FREIGHT** on our best-selling styles of Capitol sampling vials. We now pay the freight if you buy 14 or more cases or pallet quantities (24 cases per pallet).

Plus, if you don't need 14 or more cases at a time our regular per case price for less than 14 cases has been reduced significantly.

Depending upon your location, your order will ship from our New Jersey, Alabama or Nevada warehouse. Shipping from three locations will offer faster delivery than ever!

#### Terms and conditions to receive FREE FREIGHT:

- 1) Valid in the contiguous US only.
- 2) At least 14 cases, or a pallet load of 24 cases, must ship at one time.
- 3) The 24 case price break is for a pallet quantity of the same item number. Only multiples of 24 qualify for this price.
- 4) Quantities more than 24 but less than 48 will be charged the 14+ per case price.

### Snap-Shut Sampling Vial (Capitol)

Hinged lid vial closes with a patented locking device, securing the leakproof seal under all conditions! Graduated in both milliliters and ounces.

Item No.	Capacity mL/oz	Description	Qty	Qty Break	Your Cost
3040-92	45/1.5	high profile design	case/600	1-13	<b>101.53</b>
				14+	<b>86.30</b>
3041-00	120/4	high profile design	case/250	1-13	<b>56.15</b>
				14+	<b>49.25</b>
3041-04	120/4	convenient cup-like	case/250	1-13	<b>55.70</b>
				14+	<b>49.07</b>
3041-08	240/8	convenient cup-like	case/140	1-13	<b>48.63</b>
				14+	<b>43.77</b>
3040-17	300/10	high profile design	case/100	1-13	<b>38.57</b>
				14+	<b>33.83</b>



Please note that hinged-lid containers are exempt from the 1-2-3 Day Delivery Program. They can be affected by the drop in air pressure during air transit, sometimes causing the containers to pop open.

### ACCESSORIES: FOR SAMPLING



LactiCheck Vials see website.

## Hinged Lid Colored Sampling Vial (Thermo Scientific – Capitol Vial)

A variety of COLORS are available in both the standard 45 mL (1.5 oz.) and 90 mL 3 oz. sampling vials. Easily identify routes, types of samples, etc. Many other colors are available. Please contact Weber Scientific if the color you need is not listed.

Item No.	Capacity mL/oz	Qty		Qty Break	Your Cost
3040-02	45/1.5	case/600	Red	1-13	<b>84.72</b>
			<b>FREE FREIGHT</b>	14-23	<b>82.96</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>78.80</b>
3040-021	45/1.5	case/600	Light Brown	1-13	<b>84.72</b>
			<b>FREE FREIGHT</b>	14-23	<b>82.96</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>78.80</b>
3040-022	45/1.5	case/600	Purple	1-13	<b>84.72</b>
			<b>FREE FREIGHT</b>	14-23	<b>82.96</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>78.80</b>
3040-023	45/1.5	case/600	Turquoise	1-13	<b>84.72</b>
			<b>FREE FREIGHT</b>	14-23	<b>82.96</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>78.80</b>
3040-024	45/1.5	case/600	Gold	1-13	<b>84.72</b>
			<b>FREE FREIGHT</b>	14-23	<b>82.96</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>78.80</b>
3040-025	45/1.5	case/600	Sky Blue	1-13	<b>84.72</b>
			<b>FREE FREIGHT</b>	14-23	<b>82.96</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>78.80</b>
3040-026	45/1.5	case/600	Orange	1-13	<b>84.72</b>
			<b>FREE FREIGHT</b>	14-23	<b>82.96</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>78.80</b>
3040-028	45/1.5	case/600	Lime Green	1-13	<b>84.72</b>
			<b>FREE FREIGHT</b>	14-23	<b>82.96</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>78.80</b>
3040-051	45/1.5	case/600	Yellow	1-13	<b>84.72</b>
			<b>FREE FREIGHT</b>	14-23	<b>82.96</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>78.80</b>
3040-029	45/1.5	case/600	Pink	1-13	<b>84.72</b>
			<b>FREE FREIGHT</b>	14-23	<b>82.96</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>78.80</b>
3040-054	45/1.5	case/600	Royal Blue	1-13	<b>84.72</b>
			<b>FREE FREIGHT</b>	14-23	<b>82.96</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>78.80</b>
3040-055	45/1.5	case/600	Wine	1-13	<b>84.72</b>
			<b>FREE FREIGHT</b>	14-23	<b>82.96</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>78.80</b>



Item No.	Capacity mL/oz	Qty		Qty Break	Your Cost
3040-061	45/1.5	case/600	Black	1-13	<b>84.72</b>
			<b>FREE FREIGHT</b>	14-23	<b>82.96</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>78.80</b>
3040-031	90/3	case/400	Red	1-13	<b>64.12</b>
			<b>FREE FREIGHT</b>	14-23	<b>60.87</b>
			<b>FREE FREIGHT</b>	24+	<b>59.79</b>
3040-035	90/3	case/400	Sky Blue	1-13	<b>64.12</b>
			<b>FREE FREIGHT</b>	14-23	<b>60.87</b>
			<b>FREE FREIGHT</b>	24+	<b>59.79</b>
3040-038	90/3	case/400	Lime Green	1-13	<b>64.12</b>
			<b>FREE FREIGHT</b>	14-23	<b>60.87</b>
			<b>FREE FREIGHT</b>	24+	<b>59.79</b>
3040-036	90/3	case/400	Yellow	1-13	<b>64.12</b>
			<b>FREE FREIGHT</b>	14-23	<b>60.87</b>
			<b>FREE FREIGHT</b>	24+	<b>59.79</b>
3040-041	90/3	case/400	Turquoise	1-13	<b>64.12</b>
			<b>FREE FREIGHT</b>	14-23	<b>60.87</b>
			<b>FREE FREIGHT</b>	24+	<b>59.79</b>
3040-053	90/3	case/400	Royal Blue	1-13	<b>64.12</b>
			<b>FREE FREIGHT</b>	14-23	<b>60.87</b>
			<b>FREE FREIGHT</b>	24+	<b>59.79</b>

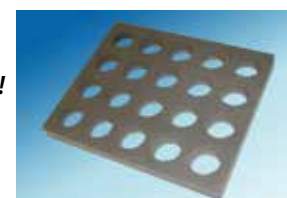
### High Profile Skirted Design

Item No.	Capacity mL/oz	Qty		Qty Break	Your Cost
3040-032	90/3	case/400	Yellow	1-13	<b>79.61</b>
			<b>FREE FREIGHT</b>	14-23	<b>76.35</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>74.28</b>
3040-034	90/3	case/400	Orange	1-13	<b>79.61</b>
			<b>FREE FREIGHT</b>	14-23	<b>76.35</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>74.28</b>

### Floating Raft for Sampling Vials

**Closed cell foam doesn't get nasty!**

Strong and waterproof raft is made of cross-linked polyethylene that doesn't absorb liquid. Charcoal color. 7/8" X 8 1/4" X 10" (22 X 210 X 254 mm).



Item No.	Description	Qty Break	Your Cost
3040-42	Fits 1.5 oz. (45 mL) vials; X 20 cavities 7/8" X 8 1/4" X 10"	1-49	<b>2.63</b>
		50+	<b>2.26</b>
3040-43	Fits 3 oz. (90 mL) vials; 20 cavities 7/8" X 8 1/4" X 10"	1-49	<b>2.63</b>
		50+	<b>2.26</b>
3040-44	Fits 1.5 oz. (45 mL) vials, extra-thick 4" X 8 1/4" X 12 1/2"	1-24	<b>22.48</b>
		25+	<b>19.36</b>

800-328-8378

ACCESSORIES: FOR SAMPLING JARS



More Sample Bottles see pages 99-101, 154-155, 246.

SAMPLING SUPPLIES

155



### Insulated Shipper For Hinged Cap Vial (Capitol)

Holds 1.5 oz. vials. Reusable many times, this 60 vial capacity molded foam case features a tight fitting foam lid. Complete with large re-freezable refrigerant packs and a heavily waxed corrugated shipping carton. Another exceptional value.

Item No.	Qty Break	Your Cost
3040-50	1-2	25.25
	3+	19.25

### Floating Raft for Vials (Capitol)

24 vial capacity. Durable.

Item No.	Vial Size	Size	Qty Break	Your Cost
3040-35	1.5 oz./45 mL	7 3/4" x 10 1/2"	1-99	1.69
			100+	1.54
3040-38	3 oz./90 mL	7 3/4" x 10 1/2"	1-99	1.75
			100+	1.59
3040-41	4 oz./120 mL	10 1/2" x 8"	1-99	1.72
			100+	1.57

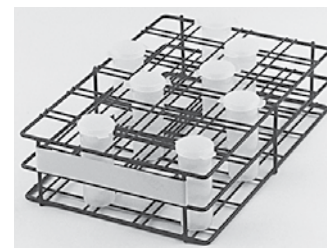


3040-35

### Racks for Sampling Vials

Vinyl coated wire racks hold vials securely. Without lid unless indicated.

Item No.	Vial Size	Capacity	Size	Qty Break	Your Cost
3035-04	1.5 oz./45 mL	24	9" X 6"	1-4	40.47
				5+	33.77
3035-08	1.5 oz./45 mL	60	15 1/4" X 9 1/2"	1-4	39.82
				5+	33.18
3035-10	3 oz./90 mL	24	8" X 12"		50.26
3035-14	4 oz./120 mL	18	12" X 6"		30.86
3035-16	4 oz./120 mL (with lid)	18	12" X 6"		67.68



3035-04




3041-60



3041-85

### Sterile Screw Cap Specimen Cup (Parter Medical)

Our best value – as low as 16¢ each! 


- 4 oz. (120 mL) sterile (validated gamma irradiation)
- Optically clear polypropylene with white cap
- Leak resistant with paper sterility tab and label
- Wide 2" (53 mm) opening and 3.1" (80 mm) high
- Molded-in graduation markings on three sides
- Ships from east and west coast warehouses 

**compare & save**

**CUSTOM COMPETITIVE PRICING™**

Item No.	Packaging	Qty Break	Your Cost
3041-85	case/300 (4 bags of 75)	1-4	55.00
		5+	49.00

### Sterile Screw Cap Specimen Cup (Covidien)

Individually bagged with sterility paper tab. The paper tab cup ensures inside sterility until the tab is broken when the cap is unscrewed. It is ecologically designed to reduce packaging waste and is a good value. 4 1/2 ounce (120 mL) capacity with molded-in graduations in ounces and milliliters. Leak proof positive closing screw cap. Frosted write-on area on the polyethylene cap. 


**CUSTOM COMPETITIVE PRICING™**

Item No.	Description	Qty	Qty Break	Your Cost
3041-60	individually bagged, with paper tab	case/100	1-9	25.17
			10+	22.65
3041-80	paper sterility tab	case/100	1-9	23.42
			10+	22.12

### PET Sampling and Storage Jar

**EXCLUSIVE!**

Large crystal-clear jars for sterile or non-sterile sampling

Rugged PET jar offers optically clear view of contents. Attached polyethylene cap for secure and leak-proof closure. Large 16 oz. (454 gram) capacity. Validated sterility by gamma irradiation. 



Item No.	Description	Qty	Qty Break	Your Cost
3041-90	non-sterile	24	1-4	27.96
			5+	22.87
3041-92	sterile	24	1-4	52.18
			5+	41.74

### ACCESSORIES: FOR VIALS AND CUPS



Additional Containers see pages 99-101, 246.

## Water Sampling... Containers Cleaned to EPA Specifications.

### High Density Polyethylene Wide Mouth Round Bottles (Qorpak)

Available both uncleaned and cleaned to *Level 2* which meets specifications of EPA Protocol "B".

Natural HDPE Wide Mouth Round Bottles provide an excellent moisture barrier and are impact resistant. Attached PP SturdeeSeal® PE Foam Lined Caps are known for good impact strength, cost effectiveness, and pliability. These polypropylene closures with foamed polyethylene liners have excellent sealing characteristics and offer good chemical resistance including acids, alcohols, alkalis, aqueous products, cosmetics, household oils and solvents.



#### Cleaning procedure:

1. Wash container, cap, liner and/or septa in hot water using laboratory grade non-phosphate detergent.
2. Rinse three times with copious amounts of tap water to remove detergent.
3. Rinse three times with ASTM Type I organic free water.
4. Oven dry container, cap, liner or septa.
5. Allow all components to cool to room temperature in an enclosed contaminant free environment.
6. Seal bottle or vials with caps, liners and/or septa.

Item No.	Description	Size, oz.	Neck, mm	Qty	List Price	% Off List	Your Cost
3076-50	EPA Cleaned	4	38-400	case of 48	175.67	40	<b>105.40</b>
3076-62	Uncleaned	4	38-400	case of 48	120.88	60	<b>48.35</b>
3076-53	EPA Cleaned	8.5	53-400	case of 48	231.66	40	<b>139.00</b>
3076-56	EPA Cleaned	17	53-400	case of 24	128.71	40	<b>77.23</b>
3076-68	Uncleaned	17	53-400	case of 24	91.86	60	<b>36.74</b>
3076-59	EPA Cleaned	32	53-400	case of 12	88.03	40	<b>52.82</b>
3076-71	Uncleaned	32	53-400	case of 12	74.49	60	<b>29.80</b>

### Coliform Water Sampling and Analysis Vial (Capitol)

#### Sterility Assurance Level (SAL) of 10<sup>-6</sup>

Manufactured of increased clarity polypropylene. Compatible with Colilert® and Colisure® coliform test: allows for sample collection, incubation and accurate reading in the same vessel — both colorimetric and UV. Meets all EPA requirements for a microbiological sample container. Arrow locking seal ensures pre-use sterility, and an exclusive snap-shut closure guarantees a leakproof seal during transit. Available with or without a sodium thiosulfate tablet. 120 mL total capacity with an 100 mL raised sample fill ring.



### 4½ oz. Specimen Cups

- Precision molded polypropylene or polypropylene-copolymer body with a high-density polyethylene screw cap.
- Quarter-turn screw cap—locks down fast and tight.
- Graduations—in ounces & milliliters for quick reference.
- Frosted Areas—for a convenient writing surface.



Item No.	Description	Qty	Qty Break	Your Cost
3031-50	w/sodium thiosulfate tablet	case/200	1-13 14+	<b>59.61</b> <b>47.63</b>
3031-55	w/o sodium thiosulfate tablet	case/200	1-13 14+	<b>47.80</b> <b>41.83</b>

Item No.	Mfr Item No.	Description	Qty	Your Cost
3041-86	8655	4½ oz. (133 mL) Specimen Cups with cap, <b>non-sterile</b>	Case/500 (20 Bags of 25)	<b>82.50</b>

### Larger Sterile Screw Cap Specimen Cup (Covidien 14000)

6 oz. (177 mL) capacity plastic container with molded-in graduations. Individually wrapped with metal screw-on leakproof cap and attached ID label. Case of 100.



Item No.	Qty Break	Your Cost
3041-20	1-9 10+	<b>85.93</b> <b>78.48</b>

### Larger Sterile Snap Cap Specimen Cup (BD Falcon® 354015)

8 oz. (237 mL) capacity polypropylene container and snap cap. Molded-in graduations in ounces and milliliters: 1/4 oz. to 8 oz. in 1/4 oz. increments; 20 mL to 220 mL in 10-mL increments. Case of 100.



Item No.	List Price	% Off List	Your Cost
3041-30	185.33	7	<b>172.36</b>

Please note that all hinged-lid containers are exempt from the 1-2-3 Day Delivery Program. They can be affected by the drop in air pressure during air transit, sometimes causing the containers to pop open.

## Whirl-Pak® Thio Water Sampling Bags (Nasco)

EPA approved heavy transparent bag is sterile and contains a sodium thiosulfate tablet to neutralize chlorine. White write-on strip is used for sample identification and as a fill line marked in both ounces and mL. Capacity is measured when the bag is closed and tab is folded over 3 times. Volume and dimensions are approximate. Bags should not be used at temperatures above 180°F (82°C). Stand-up bags have a special gusset which creates a flat bottom when the sample is placed in the bag, allowing the bag to stand completely on its own.

Item No	Mfr Item No.	Description	Total Capacity ounces/mL	Fill Capacity mL	Size inches	Qty	List Price	% Off List	Qty Break	Your Cost
3031-00	01040	With single tablet	4/118	100	3 x 7 1/4	100 per case; 25 per dispenser pack	24.10	10	1-9	<b>21.69</b>
								15	10+	<b>20.49</b>
3031-05	01254	With three tablets	18/532	300	4 1/2 x 9	case/100	49.60	10		<b>44.64</b>
3031-02	01402	stand-up with single tablet	4/118	100	3 x 7 1/4	100 per case; 25 per dispenser pack	27.30	10	1-9	<b>24.57</b>
								15	10+	<b>23.21</b>
3031-07	01403	stand-up with three tablets	18/532	300	4 1/2 x 9	case/100	51.30	10		<b>46.17</b>



## Whirl-Pak® Coli-Test Bag (Nasco)

Designed with special film for testing potable water when using color changing reagents and other media, contains sodium thiosulfate to neutralize chlorine, has 100 ml fill line, free color comparator, and is self standing.

Item No	Mfr Item No.	Description	Total Capacity ounces/mL	Fill Capacity mL	Size inches	Qty	List Price	% Off List	Your Cost
3031-75	01417	With single tablet, made of special barrier film for use with Colilert® or any color changing reagent	4/118	100	3 X 7 1/4	box/100	27.90	10	<b>25.11</b>



## Waste Water Thio-Bags® (Nasco)

For sampling waste water treated with 15 mg/l of chlorine. Sterile, 100 ml bag contains 30 mg of sodium thiosulfate to neutralize chlorine. The bag has 100 ml and 4-oz. fill lines. 2.25 mil (.057 mm) thick. Meets NELAC standards.

Item No	Mfr Item No.	Description	Total Capacity ounces/mL	Fill Capacity mL	Size inches	Qty	List Price	% Off List	Your Cost
3031-85	01440	with three tablets	4/118	100	3 X 7 1/4	box/100	24.50	10	<b>22.05</b>



## Whirl-Pak® Water Scoop (Nasco B01079WA)

Designed for collecting water samples from hard to reach levels. Steel handle covered with powder paint, holds variety of bag sizes. 18" handle.

Item No.	Your Cost
3031-12	<b>13.00</b>



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This catalog features many of our products but we offer everything your laboratory needs, from basic supplies to a fully outfitted lab including furniture. As always you'll find high quality at a great price. We encourage you to visit [weberscientific.com](http://weberscientific.com) or contact us if you don't see what you need!

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Nancy Silvester  
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[nsilvester@weberscientific.com](mailto:nsilvester@weberscientific.com)



## Choose From Our Extensive Selection of Swab Systems



### Sterile Dry Applicator Collection Device (Puritan)

Foam tip has excellent collection and release properties


- Sterile
- 6" foam tip swab is securely attached to the cap
- Reclosable transport tube
- CE marked for medical use, ISO 9001:2008, ISO 13485:2003



Item No.	Mfr Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
3059-46	25-806	pack/100	53.00	25	1-4	39.75
	1PD BT			30	Multiples of 5	37.10

### Falcon® Swube® Dry Applicator Collection Device (BD Diagnostics)



This single 5 3/4" cotton-tipped dry applicator is inserted through a specially designed friction-fit cap and protected to an actual point of use by a 17 X 100 mm tube. Sterile and individually wrapped. Case of 200. 

Item No.	List Price	% Off List	Your Cost
3059-40	186.16	10	167.56

### Culturette EZ™ Dry Collection and Transport System (BD Diagnostics)

Dry single swab system limits organism overgrowth and eliminates the non-viables present in media-based system, plus there is no specimen dilution. Features unique polyurethane open-celled structure swab. Case of 100



Item No.	List Price	% Off List	Your Cost
3059-38	61.07	10	54.96

### ESK® Sterile Swab System (Puritan)

Available in 4 or 10 mL fill

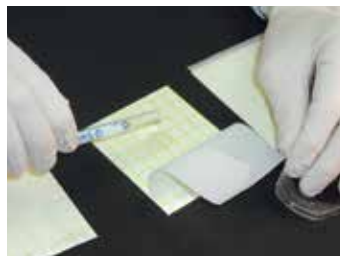
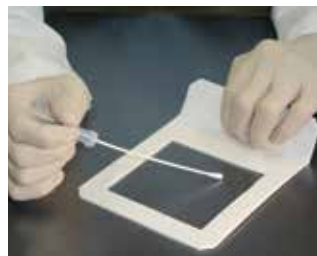
For all environmental surface sampling.



- Easy edge-peel packaging
- Quick-turn leak-resistant cap
- High-quality Puritan polyester tipped swab – 0.7" x 0.2" (5 mm x 17 mm)
- Swab is securely attached to cap
- 3.25" (83 mm) swab length – 4" (103 mm) overall length
- Polystyrene handle



Item No.	Mfr Item No.	Description	Volume	Packaging pack and weight	List Price	% Off List	Qty Break	Your Cost
3059-01	25-83004-PD NB	Neutralizing Buffer	4 ml	pack/50	82.33	29	1-5	58.45
							Multiples of 6	49.40
3059-02	25-83010-PD NB		10 ml	pack/50	83.70	29	1-5	59.43
							Multiples of 6	50.22
3059-03	25-83004-PD BS	Butterfield's Solution	4 ml	pack/50	83.72	29	1-5	59.44
							Multiples of 6	50.23
3059-04	25-83010-PD BS		10 ml	pack/50	87.41	29	1-5	62.06
							Multiples of 6	52.45
3059-05	25-83004-PD LB	Lethen Broth	4 ml	pack/50	77.35	29	1-5	54.92
							Multiples of 6	46.41
3059-06	25-83010-PD LB		10 ml	pack/50	92.35	29	1-5	65.57
							Multiples of 6	55.41
3059-07	25-83004-PD BPW	Buffered Peptone Water	4 ml	pack/50	82.16	29	1-5	58.33
							Multiples of 6	49.30
3059-08	25-83010-PD BPW		10 ml	pack/50	82.94	29	1-5	58.89
							Multiples of 6	49.76



## Q-Swab™ Sample Collection Devices (Hygiena)

**Identical to 3M Quick Swab at enormous savings!**

A sterile swab at the end of a 4 1/4" shaft comes attached to a cap containing a reservoir of 1 mL of transport media, and is enclosed in a clear plastic sheath. Using patented snap-valve technology, you simply swab the surface to be tested, place the swab back into the holder, snap the integrated valve, squeeze the bulb to wash the liquid media over the swab, and return the swab to the sheath for transport to the laboratory. You can then pour the 1 mL aliquot into a dish or tube for culturing. Available in a pack of 250.



Item No.	Medium	Qty Break	Your Cost
<b>3663-03</b>	Buffered Peptone water	1	<b>229.00</b>
		2+	<b>206.25</b>
<b>3663-15</b>	Lethen universal neutralizing medium	1	<b>229.00</b>
		2+	<b>206.25</b>

## Transport Swab Systems (Copan)

### Preserves Bacteria Viability of Most Organisms for at Least 48 Hours

These swab transport systems are easy to use – and with no glass ampules to break. Recommended for transporting microbial specimens to the laboratory for culturing. Simply peel open, remove the swab, collect the sample and insert the swab into the tube of medium.

**Stuart's liquid medium:** The tip of the swab is placed in direct contact with a soft polyurethane foam sponge. The sponge is soaked with 1.0 mL of liquid medium and acts like a moisture reservoir. As the swab is inserted into the tube the sponge yields and the medium is soaked up into the swab tip by capillary action.

**Amies agar without charcoal:** The tube features a unique Venturi hour-glass design. A 5 mL deep gel column offers maximum protection and improves sample viability.

Either medium supports a wide range of bacteria. The tamper evident seal changes color when opened to ensure single use and minimize the risk of accidental contamination. The rayon tip is non-toxic to specimens and is clearly marked with a batch number, expiration date and product description. Extra-long 5 1/4" swab shaft.

The moisture guarded packaging is totally waterproof - eliminates risk of accidental contamination of sterile pack contents by penetration of water condensation or contact between outside of the swab pack and moist or wet surfaces. During product assembly atmospheric air is vacuumed out and nitrogen gas is injected into the swab packages. Pack of 50 swabs.

Item No.	Description	List Price	% Off List	Qty Break	Your Cost
<b>3059-62</b>	Amies Medium w/o Charcoal	77.16	44	1-9	<b>43.21</b>
				Multiples of 10	<b>27.78</b>
<b>3059-66</b>	Stuart's Liquid Medium	81.00	44	1-9	<b>45.36</b>
				Multiples of 10	<b>29.16</b>



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### ACCESSORIES: FOR TRANSPORT SWABS



Environmental Buffers see page 165.  
 Hygiene Monitoring Swabs see pages 8, 180-182.  
 Other Swabs & Applicators see page 148.



## Sterile Swab System (Copan)

**Wide selection - Choose from Neutralizing Solution, Butterfield's, Peptone or Letheen**

Each SRK (Swab Rinse Kit) is a complete collection kit and is comprised of a labeled screw cap tube with a swab stick attached to the cap and the tube filled with **10 mL** of rinse solution. Swab is nontoxic polyester attached to either a 3 1/2" (95 mm) or 5 3/4" (150 mm) breakable plastic shaft. Gamma irradiated for sterility. A certificate of analysis is supplied with each lot.

The popular Neutralizing Solution is an isotonic buffered rinse solution that contains neutralizers to inhibit the false-negative results of most sanitizing chemicals, including Tween® 80 and lecithin for QAC's (quaternary ammonia compounds) and iodine, and sodium thiosulfate for chlorine bleach.

- Hygienic Assessment – Enables routine hygiene monitoring of food contact surfaces and assessment of hygienic status of food processing environments.

- Sanitization Validation – Convenient system for verification and validation of effective sanitization and disinfection procedures.
- Available in standard or long-length – For sampling uneven or irregular surfaces, equipment, difficult to reach sites and heavily contaminated surfaces.



## Sanicult™ Sterile Neutralizing Buffer Swab System (Starplex Scientific)

A useful portable swab system for the microbiological sampling of equipment and containers. Individually wrapped screw-cap plastic tubes come pre-filled with 10 mL of a neutralizing buffer solution. Swab is non-toxic rayon attached to a 3 1/2" plastic stem, which is secured to the tube cap. Buffered peptone water contains two neutralizers to inhibit false-negative results of several sanitizing chemical residues: lecithin and polysorbate 80 (Tween® 80).

Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
3059-70	case of 100	201.97	26	1-3	149.46
			39	4+	123.20

## Sterile Neutralizing Buffer Swab System (Copan)

A useful portable swab system for the microbiological sampling of equipment and containers. Individually wrapped screw-cap plastic tubes come pre-filled with 10 mL of a sterile neutralizing buffer solution and a sterile 6" non-toxic rayon swab.



Buffered rinse solution contains neutralizers to inhibit false-negative results of most sanitizing chemical residues, as follows:

Neutralizer	Activity
Tween® 80	QACs, biguanides, phenolics, iodine
lecithin	QACs, biguanides
sodium thiosulfate	bleach
sodium thioglycollate	mercuric compounds
sodium disulphite	aldehyde disinfectant

Item No.	Diluent mL	Qty	List Price	% Off List	Qty Break	Your Cost
3059-81	10	cs/250	343.45	30	1-3	240.42
				47	4+	182.03

Item No.	Description	Swab Length	Qty	List Price	% Off List	Qty Break	Your Cost
3664-30	Neutralizing Buffer	3 1/2" / 95 mm	pack/50	96.49	32	1-9	65.61
					43	multi. of 10	55.00
3664-40	Neutralizing Buffer	5 3/4" / 150 mm	pack/50	204.94	32	1-9	139.36
					43	multi. of 10	116.82
3664-44	Butterfield's Buffer	3 1/2" / 95 mm	pack/50	96.36	32	1-5	65.52
					43	multi. of 6	54.93
3664-52	Letheen Broth	3 1/2" / 95 mm	pack/50	108.54	32	1-5	73.81
					43	multi. of 6	61.87
3664-54	Letheen Broth	5 3/4" / 150 mm	pack/50	147.33	32	1-5	100.18
					43	multi. of 6	83.98
3664-56	Buffered Peptone Water	3 1/2" / 95 mm	pack/50	96.75	32	1-5	65.79
					43	multi. of 6	55.15
3664-58	Buffered Peptone Water	5 3/4" / 150 mm	pack/50	108.63	32	1-5	73.87
					43	multi. of 6	61.92
3664-41	Non-nutrient phosphate buffered neutralizing solution	3.4"/85 mm (short)	pack/50	96.53	32	1-9	65.64
					43	multi. of 10	55.02





## Solar Cult® Sponge Handle Sampling System (Solar Biologicals)

**Sample hard-to-reach surfaces without directly holding a sponge**

Eliminates the need for sterile gloves. Sterile pre-moistened cellulose sponge with quick release handle is designed for sampling for microbiological contamination on almost any surface. It is a convenient ready to use product, designed to eliminate the costly, time-consuming steps of diluent preparation, sterilization and application to sampling devices. Packaged in an easy-tear foil pouch. Comes with a sterile twirl-tie bag to make this an all-inclusive sampling system. Simply remove the handle (sponge attached), collect sample, return to twirl-tie bag, release sponge into bag, twirl bag closed and send to lab for analysis. 2-year shelf life from date of manufacture.



The added convenience of the quick release handle allows for the sponge to be released directly into the twirl-tie bag after sample collection. Only the sponge goes back into the bag after sample collection eliminating any unnecessary parts that may interfere with sample processing.



Item No.	Mfr Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
<b>3060-98</b>	SH-10NB	Pre-moistened with 10 mL	pack/100	261.90	38	1	<b>162.38</b>
		Neutralizing Buffer, attached a quick release handle			43	2+	<b>149.28</b>
<b>3060-95</b>	SH-10LB	Pre-moistened with 10 mL	pack/100	261.90	38	1	<b>162.38</b>
		Lethen Broth, attached to a quick release handle			43	2+	<b>149.28</b>
<b>3060-97</b>	SH-10DE	Pre-moistened with 10 mL	pack/100	261.90	38	1	<b>162.38</b>
		DE Neutralizing Buffer, attached to a quick release handle			43	2+	<b>149.28</b>



## Whirl-Pak® 1-Ply Composite Tissue Bag

**An effective, low-cost alternative to other surface sampling methods**

Includes a 1-ply composite tissue in the bottom compartment. To use, tear off the bottom compartment, hydrate tissue with neutralizing buffer, remove using a sterile glove, and collect surface sample. After collection, place tissue inside top Whirl-Pak bag, seal, and return to lab. Multiple tissues can be composited in the same sample bag to further reduce costs.

Size	4 x 9 in. / 115 x 230 mm
Capacity	18 oz / 532 mL
Thickness	2.5 mil
Quantity	100

Item No.	Mfr Item No.	Qty Break	Your Cost
<b>3060-80</b>	01548	1-5	<b>99.88</b>
		Multi. of 6	<b>94.00</b>

## EnviroMax® and EnviroMax Plus® Foam Tip Swab Kits (Puritan)

**Choose from pre-moistened or dry swabs **

Strong, flexible handle shaft are available with two tip options of absorbent foam. The tips have an inner paddle structure that facilitates getting into the tightest of crevices.

- For sampling surfaces or large equipment parts
- Perfect for spot checks
- Quick-turn-open leak-resistant cap
- Swab securely attached to cap
- Rigid foam paddle tip
- Large tip for maximized collection and elution
- 5.8" (147 mm) swab length – 6" (153 mm) overall length
- Polypropylene handle



Item No.	Mfr Item No.	Description	Packaging	List Price	% Off List	Qty Break	Your Cost
<b>3059-11</b>	25-88010-PFB	EnviroMax dry	pack/25	72.29	20	1-9	<b>57.83</b>
		pointed foam tip			30	multi.of 10	<b>50.60</b>
<b>3059-12</b>	25-88050 PFB	EnviroMax Plus®	pack/25	72.29	20	1-9	<b>57.83</b>
		pre-moistened pointed foam tip			30	multi.of 10	<b>50.60</b>
<b>3059-14</b>	25-88050 PFB RND	EnviroMax Plus®	pack/25	72.29	20	1-9	<b>57.83</b>
		pre-moistened round foam tip			30	multi.of 10	<b>50.60</b>

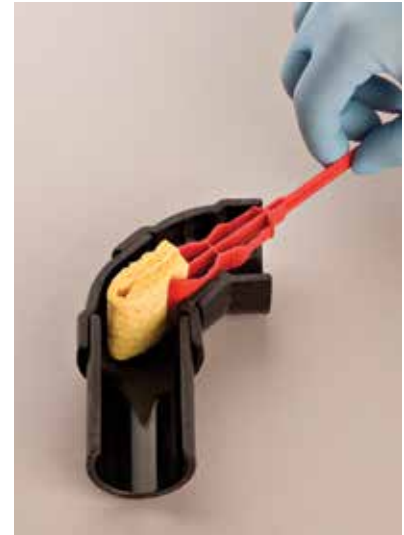


## Sani-Stick Sponge Handle Sampling System (Labplas)



**One bag system - return sponge to the same sterile sample bag**

Widely used in the food, public health and cosmetic industries. The Sani-Stick kit is convenient and easy-to-use and helps eliminate several time-consuming steps. This product comes in a TWIRL'EM® sterile sampling bag. Sterile pre-moistened cellulose sponge with quick release handle. Remove the handle (sponge attached), collect sample, return to bag, release sponge into bag, twirl bag closed and send to lab for analysis. Eliminates the need for sterile gloves. 15 oz. (450 mL) capacity bag.



Item No.	Mfr Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
<b>3060-01</b>	KSS-67310-NE	10 mL neutralizing buffer	100 (10 packs of 10)	250.00	32	1	<b>170.00</b>
<b>3060-02</b>	KSS-67310-DE	10 mL DE neutralizing buffer	100 (10 packs of 10)	250.00	32	1	<b>170.00</b>
					36	2+	<b>160.00</b>

## Solar-Cult® Pre-moistened Cellulose Sponge Sampling Systems (Solar Biologicals)

This sterile pre-moistened cellulose sponge is designed for sampling microbiological contamination on almost any surface. It is a convenient ready to use product designed to eliminate the costly, time-consuming steps of diluent preparation, sterilization and application to sampling devices. The system consists of a cellulose sponge that has been moistened with 10 mL of transfer diluent and then sealed in a foil pouch. Possible contamination, by diluent and/or sponge during the moistening step, is eliminated by sterilizing the sealed product with Gamma Radiation. The robust construction of the sponge permits sampling microbiological contamination of large surface areas by allowing the user to vigorously rub almost any surface.

The cellulose sponge was selected on the basis of an exhaustive study carried out by EF Daly, F Pagotto and JM Farber at the Banting Research Center of Health Canada. These researchers observed that the cellulose sponge was the best sampling material available in terms of its non-inhibitory effects on food-borne pathogens.

To meet specific user requirements, a choice of three different diluent materials is available:

**Neutralizing Buffer** assists in the recovery of microorganisms in samples taken from surfaces exposed to sanitizing agents. It has the ability to inactivate the bactericidal and bacteriostatic effects of sanitizing agents such as chlorine and quaternary ammonium compounds (Difco Manual).

**Buffered Peptone Water** assists in the recovery of fastidious pathogenic microorganisms recommended for use in HACCP.

**Butterfields Phosphate Buffer** is the buffer of choice recommended by the United States Federal Department of Agriculture for use in HACCP.

Each lot of diluent is tested to ensure it meets commercial manufacturer criteria and recovers food-borne pathogens

The Solar-Cult easy-tear open foil pouch was selected to ensure a high quality, stable product with a long shelf-life. The foil material is a technically proven vapor-barrier that prevents moisture loss. This packaging encourages user confidence that when they are ready to collect a sample that the sponge they use is also ready to work.



3060-82



3060-60



### Pre-moistened Sponges Packaged in Foil Pouch

Item No.	Mfr Item No.	Description	Qty	List Price	% Off List	Your Cost
<b>3060-82</b>	BS-10NB-1	Solar-Cult® Cellulose sponge pre-moistened with 10 mL Neutralizing Buffer, individually wrapped in foil pouch, Sterile	pack/100	171.42	19	<b>138.85</b>
<b>3060-90</b>	BS-10BPW-1	Solar-Cult® Cellulose sponge pre-moistened with 10 mL Buffered Peptone Water, individually wrapped in foil pouch, Sterile	pack/100	171.42	19	<b>138.85</b>
<b>3060-92</b>	BS-10BPW-5	As Above	pack/500	783.50	12	<b>689.48</b>
<b>3060-94</b>	BS-10BPB-1	Solar-Cult® Cellulose sponge pre-moistened with 10 mL Butterfields Phosphate Buffer, individually wrapped in foil pouch, Sterile	pack/100	171.42	19	<b>138.85</b>

### Pre-moistened Sponges Packaged in 4 oz. Screw Cap Vials

<b>3060-60</b>	SV-10NB-1	Solar-Cult® Cellulose sponge pre-moistened with 10 mL Neutralizing Buffer, individually packaged in 4 oz vial, Sterile	pack/100	202.57	19	<b>164.08</b>
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## Pre-moistened Speci-Sponge® Sterile Sampling System (Nasco)

### Ready to use

Recognized for effective environmental surface sampling of work areas, equipment, and any other place where testing for *Listeria*, *Salmonella* and other foodborne pathogens is required. Sampling system contains a sponge moistened with neutralizing buffer that is packaged inside a Whirl-Pak bag, available with or without a sterile glove in a separate sealed compartment. After wiping surface to be tested, simply return the sponge to its original Whirl-Pak bag. Sample is then ready to be transported to the laboratory for analysis. The glove is packaged with the open end up so it can be put on without touching the hand area. Samples remain viable for 24 hours and up to 36 hours in some conditions.



Sponge is free of bactericides and is non-inhibitory, measures 1.5" x 3" x 5/8" (38 x 76 x 16mm). Volume and dimensions are approximate. Bags should not be used temperatures above 180°F (82°C). Pack of 100.

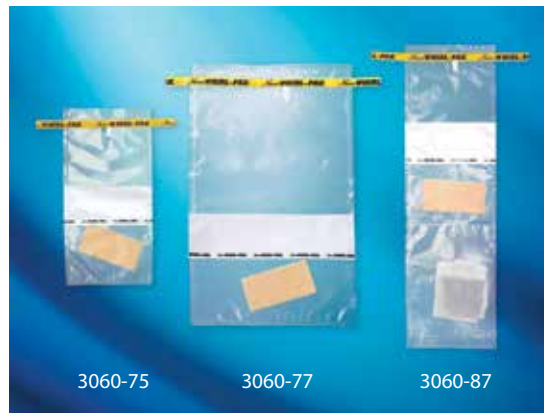
Capacity: 18 oz./532mL  
Size: 4 1/2" x 9" / 114 x 229mm

Item No.	Mfr Item No.	Description	Your Cost
3060-83	01422	2.5 mil thick	173.72
3060-85	01423	2.5 mil thick, with sterile glove	213.33

## Dehydrated Speci-Sponge® Sterile Sampling System (Nasco)

Used to collect bacteria samples from a work surface, equipment, animal carcasses, and other areas. Sampling system contains a dry sponge packaged inside a Whirl-Pak bag, with or without a sterile glove in a separate sealed compartment. After adding diluent (available separately) and wiping surface to be tested, simply return the sponge to its original Whirl-Pak bag. Sample is then ready to be transported to the laboratory for analysis. The glove is packaged with the open end up so it can be put on without touching the hand area.

Sponge is free of bactericides and is non-inhibitory, measures 1.5" x 3" (38 x 76 mm), and when wet is about 5/8" (16mm) thick. Volume and dimensions are approximate. Bags should not be used at temperatures above 180°F (82°C). Pack of 100.



Item No.	Mfr Item No.	Capacity oz./mL	Size Inches/mm	Description	List Price	% Off List	Qty Break	Your Cost
3060-75	01245	18 oz./532	4 1/2 x 9 / 114 x 229	2.5 mil thick bag	101.30	10	1-9	91.17
						20	10+	81.04
3060-77	01299	55 oz./1397	7 1/2 x 11 3/4 / 190 x 298	designed to be used in homogenizer; 4 mil thick	143.70	10		129.33
3060-87	01392	18 oz./532	4 1/2 x 9 / 114 x 229	with sterile glove; 2.5-mil thick bag			1	175.76
						2+	166.75	

### ACCESSORIES: FOR SAMPLING SPONGES



Sterile Gloves see pages 142-143.



## Solar-Cult® Sampling Pre-moistened Sponge Kit (Solar Biologicals)

Item No.	Mfr Item No.	Description	Qty	List Price	% Off List	Your Cost
3060-65	BS02NB	Solar-Cult® Sampling Kit, 1 - Sterile cellulose sponge pre-moistened with 10 mL Neutralizing Buffer, individually wrapped in foil pouch, with 1 pair sterile sampling gloves, 1- sample identification label. Packaged in polyethylene bag attached to a sterile, twirl - tie type sample bag	pack/50	204.62	48	<b>106.40</b>

## Solar-Cult® Environmental Sampling Solutions (Solar Biologicals)

Dilutents are offered in convenient 10 and 15-mL volumes. The 10 mL volume is offered to those who prefer to purchase dry rather than pre-moistened sponges for HACCP sampling. The 10-mL aliquots are used to moisten sampling sponges immediately prior to surface sampling. The 15-mL quantities are required after sampling. After surface sampling, each sponge containing a specimen is placed in a plastic transport bag to which a 15-mL volume of diluent is added. Both products are sterile and contained in optically clear and colorless screw-top 15 mL graduated polystyrene conical centrifuge tubes.

Item No.	Mfr Item no.	Description	Qty.	List Price	% Off List	Your Cost
3611-03	NB10	Neutralizing Buffer (10 mL)	pack/10	11.92	6	<b>11.20</b>
3611-23	BPB10	Butterfield's Phosphate Buffer (10 mL)	pack/10	11.92	12	<b>10.49</b>
3611-33	BPW10	Buffer Peptone Water (10 mL)	pack/10	11.92	12	<b>10.49</b>



3611-03

## Meets Specifications of the USDA/FSIS Final Rule on Pathogen Reduction



### Mega-Reg 400™ Butterfield's Phosphate Buffer

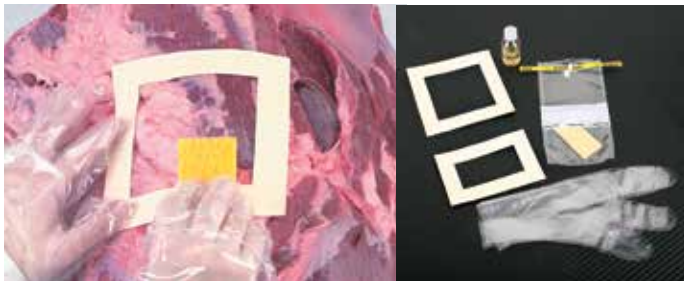
This crystal-clear plastic jar contains 400 mL of sterile Butterfield's Phosphate Diluent (BPD). It was designed for cost-effective and convenient sampling of chicken carcasses for required generic *E. coli* testing. For added convenience you may use this same sterile container to transport 30 mL of the final rinse fluid back to the lab for analysis.

The PET jar is leak-proof and optically clear. The regulations specify that the Butterfield's diluent is checked for cloudiness/turbidity prior to use. This jar meets that requirement.

Sterilized by Gamma-irradiation. Disposable and fully recyclable.

Item No.	Description	Qty Break	Your Cost
3620-10	pack/24	1-4	<b>55.38</b>
		5+	<b>46.15</b>





### Sterile Meat/Turkey Carcass Sampling Kit (Nasco B01324WA)

This kit is designed for sampling meat and turkey carcasses to test for the presence of E. coli. The kit contains a pair of sterile gloves, 25 mL buffered peptone water, a Whirl-Pak® "Speci-Sponge®" bag, and two disposable sterile templates (one for meat carcasses and one for turkeys). The disposable template eliminates the need for re-sanitizing reusable templates. The gloves and template are packaged together in a sealed plastic bag. After moistening the sponge with half of the peptone water, the carcass is swabbed with the sponge through the template in three places for meat carcasses and two places on turkeys. The sponge is then returned to the bag and the balance of the peptone water is added. Finally, the bag is closed and sent to a laboratory for testing.

Item No.	Description	List Price	% Off List	Your Cost
3610-75	25 tests per pack	137.90	10	124.11

### Solar-Cult® Beef/Swine Carcass Sampling Kit (Solar Biologicals)



This kit has been designed to contain essentially everything needed to collect and transport ten Environmental/HACCP beef and swine specimens for foodborne pathogen analysis. The non-destructive sampling procedure was prepared using FSIS/USDA Pathogen Reduction/HACCP Regulations. In addition

to sampling templates, gloves, bags and packing materials, the kit contains convenient ready to use pre-moistened Solar-Cult sponges as well as vials of sterile diluent in pre-measured 15-mL aliquots. A kit insert contains simple instructions and precautions.

Item No.	Mfr Item No.	Description	List Price	% Off List	Your Cost
3610-80	A40BP	Beef/Swine Carcass Sampling Kit 10 Tests Contents per Kit: <ul style="list-style-type: none"> <li>• 10 - Sterile Solar-Cult® Cellulose sponges pre-moistened with 10 mL Butterfield's Phosphate Diluent, individually wrapped in foil pouch</li> <li>• 10 - Vials of 15 mL Sterile Butterfield's Phosphate Diluent</li> <li>• 10 pairs - Sterile sampling gloves</li> <li>• 10 - Twirl-tie sterile sample bags</li> <li>• 10 - Labels for sample identification</li> <li>• 10 - Sterile sampling templates 10cm x 10cm</li> <li>• Instructions</li> </ul>	50.04	19	40.53
3610-85	A40BPW	Beef/Swine Carcass Sampling Kit 10 Tests CONTENTS: as above only with BUFFERED PEPTONE WATER	50.04	19	40.53



### NEW! N60 PLUS Sampler (Weber) Fast Surface Sample Collection with Less Error

N60 PLUS Sampler is an innovative, stainless steel sampling device that collects a surface sample from the trim in a beef combo. Through its innovative design it minimizes the error associated with excision sampling by collecting from a greater volume of the combo instead of the one to two layers typically targeted during excision sampling, eliminating the concern associated with collecting 60

1 inch x 3 inch pieces that weigh 375 grams, and ensures collection of only surface tissue, and eliminates the collection of multiple specimens from the same piece of trim all while utilizing a smaller sample size that is as robust as a typical excision sample that weighs 375 grams. Overall, the N60 PLUS sampler collects a robust sample with less sampling error and keeps more product in the combo bin instead of at the lab.

Item No.	Description	Your Cost
3610-45	N60 PLUS Sampler	500.00
3610-46	Sample Extraction Tool	10.00
3610-47	AccuSharp Sharpener	28.00
3610-48	MT Diamond Sharpener	58.00

### Sterile Sampling Template (Solar Biologicals)

Individually wrapped in zipper bag. Pack of 100.



Item No.	Dimensions	List Price	% Off List	Your Cost
3610-08	5 cm x 10 cm (2" x 4")	138.87	30	97.21
3610-10	10 cm x 10 cm (4" x 4")	138.87	30	97.21

### Hype-Wipe™ Disinfecting Bleach Towels (Current Technologies)

Eliminate the risk and inconvenience of using bleach in bottles or requiring staff to mix bleach in-house. Individually packaged Hype-Wipes are presaturated with sodium hypochlorite pre-diluted to 0.525% for convenient and portable use. Pocket-sized 3" x 4" foil pouch; towel unfolds to 6" x 12".



Item No.	Concentration, bleach	Qty	Qty Break	Your Cost
4350-60	0.525%, regular	case/100	1-2	64.90
			3+	61.04

#### ACCESSORIES: FOR MEGA-REG SAMPLING



Sterile Gloves see pages 142-143.





## Drag Swabs Poultry Sampling Kits (Solar Biologicals)

Salmonella contamination of poultry and other livestock products is a worldwide concern. Reduction of Salmonella contamination at the farm has been identified as an important step in the resolution of this problem. To meet this objective, methods for monitoring Salmonella contamination in livestock shelters, beginning with Drag Swab sampling, have been developed in concert with the USDA Food Safety Inspection Service. Drag Swab kits are sterile sampling devices used to sample poultry litter for pathogenic organisms, e.g. Salmonella. Each pocket-size kit contains a 30-mL polypropylene vial that encloses a sterile 4-ply 3"x3" cotton gauze swab (pre-moistened with double strength skim milk) attached to a cord about six feet in length. Also included for your convenience is a pair of plastic gloves, a label and a plastic biohazard transport bag.

A specimen is collected, using this device, by dragging the swab, which is pre-moistened with double strength skim milk (Difco), along the floor for 10 to 20 minutes. The skim milk (holding medium) provides a protective environment for any Salmonellae collected and makes the swab slightly sticky enhancing adherence of litter particles<sup>1</sup>. The above procedure can be modified to accommodate rows of piled manure, cage layers, etc. The gauze swab and string are then placed into a biohazard labeled bag for transport to the laboratory. The drag swabs come in boxes of twenty-five swab kits, in cases of four boxes (100 drag swab kits).



Item No.	Mfr Item No.	Description	List Price	% Off List	Your Cost
3610-38	DS-001	Case of 100 (4x pack/25) kits. Each kit contains a 30 mL- polypropylene vial which encloses a sterile 4-ply 3"x 3" cotton gauze swab (pre-moistened with double strength skim milk) attached to a cord approx. six feet in length. The drag swab is packaged with a pair of plastic gloves and a label in the attached pouch of a sterile twirl-tie type sample bag.	275.87	20	<b>220.70</b>

### References:

- Mallinson, E.T. (1991) Novel salmonella detection system developed; combines increased reliability, practicality. Article in Feedstuffs: The weekly newspaper for agribusiness - January 28 1991  
Food Safety and Inspection Service, United States Department of Agriculture, Pathogen Reduction; Hazard Analysis and Critical Control Point (HACCP) Systems. Appendix E FSIS Sample Collection Guidelines and Procedure for Isolation and Identification of Salmonella from Raw Meat and Poultry Specimens. Federal Register / Vol. 61, No.144 / Thursday, July 25, 1996 / Rules and Regulations: 38917-38929.

## Sterile Poultry Rinse Bags (NASCO B01319)

The large 15" x 20" size is designed to easily hold chickens. It is sealed at the top and has a perforation for easy opening, making it easy for you to use one bag at a time without concern of contamination. Bags are sealed in a liner bag and are sterile.

Item No.	Description	Qty	List Price	% Off List	Your Cost
3610-30	15" x 20" chicken rinse bag; 2 mil	pack/250	60.10	10	<b>54.09</b>



## IGLOO ULTRA™ 30 Qt Cooler

**Keeps samples cold for longer than most other coolers**

- Ergonomically engineered - curved back hugs comfortably to your body for ultimate carrying comfort
- Swing-up handle has 3 grab/carry points for easy one-handed carrying
- Molded side handles for optional two-handed carrying and easy lifting in/out of vehicle
- Slotted lid for easy stacking
- Comfort grip handle adds carrying comfort
- Exterior Dimensions (in - L x W x H) 18.415 x 13.251 x 16.811
- Weight 7.2 lbs.



## Nasco Sample Ice Chest with Cover

Designed specifically for positive temperature control and proper protection of milk samples.



### Features:

- Outside and inside walls made of extremely durable, ABS plastic
- Polyurethane foam insulation in walls and cover
- Recessed carrying grips
- Nonabsorbent, easy to clean
- Auxiliary ice storage compartment. Designed so milk hauler may use ice to surround samples at all times.
- After each stop, a small amount of ice can be packed directly around the sample
- Dimensions with cover: 16" L x 14-3/4" W x 9-1/2" H (40.6 x 37.5 x 24.1 cm)
- Inside dimensions: 12-1/4" L x 13-7/8" W x 7" H (31.12 x 35.3 x 17.8 cm)

Item No.	Your Cost
<b>4380-50</b>	<b>54.99</b>

## Insulated Foam Shipping Kit

**Effective and affordable cold sample shipping**

Safely ship everything from food to medical supplies.

- Thick polystyrene foam container provides maximum protection.
- 200 lb. test outer shipping carton included.
- Lightweight, sturdy and reusable.

Item No.	Inside Dimensions L x W x H	Wall Thickness	Outside Dimensions L x W x H	Qty	Qty Break	Your Cost
<b>4380-40</b>	8 x 6 x 4 1/4"	1 1/2"	11 x 9 x 7 1/4"	Pack/6	1	<b>45.00</b>
					2+	<b>40.00</b>

Item No.	Mfr Item No.	Description	List Price	% Off	
				List	Your Price
<b>4380-51</b>	C06115WA	Ice Chest with Cover	190.40	10	<b>171.36</b>
<b>4380-52</b>	C06115(A)WA	Cover only	47.70	10	<b>42.93</b>



## Stainless Steel Lab Scoops (Polar Ware)

Heavy duty scoop has strong handle for easy handling and cleaning.

Item No.	Bowl Capacity oz./mL	Bowl Size in./mm	Overall Length in./mm	List Price	% Off List	Qty Break	Your Cost
<b>3042-90</b>	4 / 118	5 1/2 x 3 / 140 x 76	9.5/241	7.44	25	1-4	<b>5.58</b>
					30	5+	<b>5.21</b>
<b>3042-92</b>	40 / 1183	5 x 7 1/2 / 127 x 191	12 / 305	148.60	25	1-2	<b>111.45</b>
					30	3+	<b>104.02</b>



## Scoops, Polypropylene (Bel-Art Scienceware)

Rigid, strong and smooth. Steam autoclavable at 250°F.

Item No.	Bowl, inch	Handle, inch	Capacity, cc	Qty	List Price	% Off List	Your Cost
<b>3062-20</b>	3 1/2 X 1 1/2 X 1 1/4	1 7/8	75	pack/12	28.70	20	<b>22.96</b>
<b>3062-22</b>	5 X 2 X 2	2 1/2	200	pack/12	29.55	20	<b>23.64</b>
<b>3062-24</b>	8 X 4 3/4 X 3	4	1100	pack/6	33.35	20	<b>26.68</b>



## Large Scoop (Bel-Art Scienceware 36758)

Rectangular shape molded of rigid polypropylene. Excellent for scooping ice cubes. Holds approximately 2 liters (1/2 gal) with rounded corners for easy cleaning and a looped handle for hanging. Bowl measures 140 x 229 x 89mm (5 1/2" x 9" x 3 1/2") with a 114mm (4 1/2") handle.

Item No.	Qty	List Price	% Off List	Your Cost
<b>3062-30</b>	pack/6	97.05	20	<b>77.64</b>



**Sterile Sampler Scoops (Bel-Art Scienceware)**

Long handle keeps hand away from sample and the 2 oz and 4 oz are designed to stay vertical when filled or empty allowing for use as weighing boats. Made from FDA grade, high-impact polystyrene for direct contact with food. Indispensable for powder. Individually packaged and gamma sterilized. Case of 100.

Item No.	Capacity	Bowl Size, inches	Length, inches	List Price	% Off List	Qty Break	Your Cost
3042-12	2oz (60 mL)	1 X 3 X 1 1/2	7	116.15	10	1-4	<b>104.54</b>
					18	5+	<b>95.24</b>
3042-14	4oz (125 mL)	1 X 3 X 1 3/4	7 1/2	149.25	10	1-4	<b>134.33</b>
					18	5+	<b>122.39</b>
3042-16	8oz (250 mL)	2 X 5 X 2	7 1/2	199.49	10	1-4	<b>179.54</b>
					18	5+	<b>163.58</b>



**Sterileware® Red Scoops (Bel-Art Scienceware 36902/06)**

Bright red color helps these scoops stand out and reduces the chance of them being accidentally left behind in a sample. Color can also serve as a code to avoid cross contamination and provides a contrasting background to better visualize light colored material. The smaller 2 oz and 4 oz sampling scoops have a long handle to better separate the hand and sample and are designed to remain upright when filled or empty allowing them to be used as weighing boats or to be placed on a flat surface. Scoops are molded of durable polystyrene. Packed ready for one time use and disposal. 100 individually sterile wrapped per box.

Item No.	Capacity	Bowl Size	Total Length	Qty	List Price	% Off List	Qty Break	Your Cost
3042-17	60mL (2oz)	25 x 76 x 38mm	203cm (8")	case/100	147.44	10	1-4	<b>132.70</b>
		(1 x 3 x 1 1/2")				18	5+	<b>120.90</b>
3042-18	125mL (4oz)	25 x 89 x 44mm	216cm (8 1/2")	case/100	162.05	10	1-4	<b>145.85</b>
		(1 x 3 1/2 x 1 3/4")				18	5+	<b>132.88</b>
3042-19	250mL (8oz)	51 x 127 x 51mm	221cm (8 11/16")	case/100	218.99	10	1-4	<b>197.09</b>
		(2 x 5 x 2")				18	5+	<b>179.57</b>



**Sterile Sense-able™ Detectable Scoops (Bel-Art Scienceware)**  
*Helps Avoid Quality Issues*

A proprietary formula is uniformly distributed throughout the polystyrene scoop enabling any part of it, as small as 1.6 mm, to be sensed by metal detectors and x-ray equipment. The blue color contrasts with the color of most samples and reduces the chance that scoops will be accidentally left behind in the product. Long handles on the 2 oz and 4 oz scoops provide a better grip and increase the distance between the hand and the sample to reduce potential contamination. The 60 mL and 125 mL scoops have a flat bottom design for use as weigh boats. They remain upright when filled or empty and can rest on a flat surface without spilling contents. Made of FDA grade high-impact polystyrene, the scoops are individually gamma sterilized and sealed in a polyethylene bag, ready for one time use and disposal. Box of 100.

Item No.	Capacity	Bowl Dimensions (L x W x H)	List Price	% Off List	Qty Break	Your Cost
3042-35	60 mL (2 oz)	7.6 x 3.8 x 2.5 cm (3 x 1.5 x 1")	177.15	10	1-3	<b>159.44</b>
				15	4+	<b>150.58</b>
3042-36	125 mL (4 oz)	9.1 x 4.6 x 3.1 cm (3.5 x 1.75 x 1.25")	264.70	10	1-3	<b>238.23</b>
				15	4+	<b>225.00</b>
3042-37	205 mL (8 oz)	12.7 x 5.1 x 5.1 cm (5 x 2 x 2")	456.85	10	1-3	<b>411.17</b>
				15	4+	<b>388.32</b>



**Scoop An' Bag Sterile Sample Collection System (Bel-Art Scienceware)**

A complete sampling package for taking a more reliable sterile sample. Sealed in a sterile outer bag is a 2oz white scoop and a swirl-type sterile bag for sample transport. Ideal for food, pharmaceutical and environmental sampling. Case of 50.

Item No.	List Price	% Off List	Qty Break	Your Cost
3042-50	90.70	10	1-4	<b>81.63</b>
		18	5+	<b>74.37</b>

**Whirl-Pak, Scoop Bag (Nasco B01350)**

18 oz. (532 mL) write-on bag contains a sterile, disposable polypropylene scoop that holds 2 ounces (60 mL). Transfer the sample right back into the sterile bag for transport. Scoop is 7" (185 mm) long. Pack of 50.



Item No.	List Price	% Off List	Your Cost
3042-52	95.00	10	<b>85.50</b>



## Sterile Sampling Spoons

**Why pay more? Our individually wrapped spoons offer sterile sampling for a fraction of the price!**




Standard length spoons come in heavyweight polystyrene with full size bowls and are available in either white or black. Polystyrene provides greater rigidity and strength. These spoons should be adequate for most but the hardest samples.

Long handle spoons are lightweight polypropylene with a slightly smaller bowl. Polypropylene is flexible and highly break resistant and is not recommended for harder samples. Gamma irradiated for sterility.

The dark black spoons really stand out in a wide variety of samples, reducing the chance of forgetting or losing them in a sample.

A Certificate of Analysis is available upon request.



Item No.	Description	Color	Capacity, overflow	Stem Length	Qty	Qty Break	Your Cost
 <b>4387-00</b>	sterile heavyweight teaspoon	white	7 mL	5 13/16" / 148 mm	case/1000	1-9 10+	<b>115.36</b> <b>92.75</b>
 <b>4387-10</b>	sterile heavyweight teaspoon	black	7 mL	5 13/16" / 148 mm	case/1000	1-9 10+	<b>115.36</b> <b>92.75</b>
 <b>4387-15</b>	sterile lightweight teaspoon	white	5 mL	8" / 203 mm	case/1000	1-9 10+	<b>115.36</b> <b>92.75</b>




## Sterile Sampling Spoons and Sporks (Nasco)

Super economical, durable plastic sterile spoons and sporks are suitable for many sampling procedures. Packed 20 per sterile bag; pack of 100 (5 bags).

Item No.	Description	Qty Break	Your Cost
<b>3042-40</b>	spoons	1-9	<b>13.47</b>
		10+	<b>12.44</b>
<b>3042-45</b>	sporks	1-9	<b>10.69</b>
		10+	<b>9.87</b>



## Sterile Sampler Spoons (Bel-Art Scienceware)

Extremely popular for gathering small amounts of sample material. Long handled polystyrene spoons are individually wrapped in sealed bag. Case of 200. 

Item No.	Capacity	List Price	% Off List	Qty Break	Your Cost
<b>3042-20</b>	0.25 teaspoon — 1.23 mL	201.45	10	1-4	<b>181.31</b>
				18 5+	<b>165.19</b>
<b>3042-22</b>	0.50 teaspoon — 2.46 mL	208.90	10	1-4	<b>188.01</b>
				18 5+	<b>171.30</b>
<b>3042-24</b>	1.00 teaspoon — 4.93 mL	187.69	10	1-4	<b>168.92</b>
				18 5+	<b>153.91</b>
<b>3042-26</b>	1.00 tablespoon — 14.79 mL	184.66	10	1-4	<b>166.19</b>
				18 5+	<b>151.42</b>

Individually packaged and gamma sterilized, these one-piece spoons are ready for sampling bulk materials, semi-solids or viscous liquids. Made from FDA grade, high-impact polystyrene for direct contact with foods, drugs, or cosmetics. Spoons hold 25cc (0.8oz) with a 254mm (10") long handle to reach into containers and keep hand away from sample. 25 per box



<b>3042-28</b>	X-tra Large and Strong Rounded Tip – 25 mL case/25	61.90	10	1-4	<b>55.71</b>
				18 5+	<b>50.76</b>

FIND IT AT [WEBERSCIENTIFIC.COM](http://WEBERSCIENTIFIC.COM)



• Security Seals





## Disposable smartSpatula® (Lev Go)

All-in-one spatula, spoon, scoop, stirring rod and policeman. Autoclavable polypropylene. Complies with FDA regulations for food-contact applications.

Item No.	Color	Description	Length mm/inch	Qty	List Price	% Off List	Your Cost
3160-80	blue	standard	210/8.3	pk/300	28.00	15	<b>23.80</b>
3160-82	opaque	standard	210/8.3	pk/300	28.00	15	<b>23.80</b>
3160-85	green	macro	310/12.2	pk/150	33.25	15	<b>28.26</b>
3160-89	opaque	micro antistatic	140/5.5	pk/300	21.40	15	<b>18.19</b>



## Sterile Disposable smartSpatulas (LevGo)

These sterile spatulas are made from food grade polypropylene, smartSpatulas are the ideal solution for all sorts laboratory applications.

- They comply with FDA regulations for food-contact.
- They are Ideal for sterile preps in compliance with USP 797.
- The hollow core minimizes heat transfer

Item No.	Color	Length mm/inch	Qty	List Price	% Off List	Qty Break	Your Cost
3160-90	opaque	210/8.3	pk/100	110.00	15	1	<b>93.50</b>
						25	<b>82.50</b>



## Micro Spatula, Mirror Finish

Nickel stainless steel with mirror finish. Flat and spoon ends. 9" (229 mm) overall length. Spoon end is 1 1/8" (29 mm) long x 9/16" (14 mm) wide. Flat end is 1 7/8" long (48 mm).

Item No.	List Price	% Off List	Your Cost
3160-30	13.38	50	<b>6.69</b>



## Micro Spatula, Glazed Finish

Nickel stainless steel with glazed finish. Flat ends. 8" (203 mm) overall length. Flat ends are 2" long (51 mm).

Item No.	List Price	% Off List	Your Cost
3160-40	15.99	50	<b>8.00</b>

## Sterile Sampler Spatula (Bel-Art Scienceware)

One-piece spatula is made from FDA grade, high-impact polystyrene for direct contact with food. Shape allows easy transfer of sample to container. Use to sample directly from production line or containers including bags and drums. Individually packaged and gamma sterilized.

Item No.	Capacity	V-channel Length	Handle Length	Overall Length
3042-30	15cc	6" / 152mm	3" / 76mm	9" / 228mm
3042-31	23cc	10" / 254mm	4" / 102mm	14" / 356mm

Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
3042-30	Pack/100	123.11	10	1-4	<b>110.80</b>
			18	5+	<b>100.95</b>
3042-31	Pack/50	72.71	10	1-4	<b>65.44</b>
			18	5+	<b>59.62</b>



## Ellipso-Spoon® Samplers (Bel-Art Scienceware)

This utensil's special curved shape permits contact with all corners of bottles and containers; therefore, no loss of materials occurs. Crystals, powders, granulated and solid substances, and even thick liquids are easily retrieved. Features spoon end and spatula end. Polished stainless steel. Spoon size is 28 X 65 mm.

Item No.	Length, handle	List Price	% Off List	Your Cost
3060-55	30 cm/11.8"	50.40	10	<b>45.36</b>
3060-57	40 cm/15.8"	63.20	10	<b>56.88</b>

## Economy Lab Scoop

Stainless steel. 6" (150 mm) long.

Item No.	List Price	% Off List	Your Cost
3160-45	4.53	60	<b>1.81</b>



3160-45

## Large Spatula

Stainless steel blade and wooden handle. 6" (152 mm) long x 7/8" (22 mm) wide.



Item No.	List Price	% Off List	Your Cost
3160-20	27.19	65	<b>9.52</b>

## Economy Spatula

Stainless steel, polished, one side is a spoon and the other side is flat.



Item No.	Length	List Price	% Off List	Your Cost
3160-70	6" / 150 mm	3.11	60	<b>1.24</b>
3160-73	8" / 200 mm	8.50	60	<b>3.40</b>

800-328-8378

### ACCESSORIES:



Additional Spatulas see pages 104, 172..

SAMPLING SUPPLIES

171



## Dippas® Sterile Sampling System (Sterilin)

**HARD TO FIND ITEM!**

### A Dipper and Sterile Sampling Container – All-In-One!

Enable sterile sampling and transportation of liquid without the risk of contamination. Offered in crystal-clear polystyrene. The long Dippas handle neatly snaps off after sampling to leave a secure, leak-proof sample container. All Dippas are individually wrapped and guaranteed sterile by gamma irradiation.

	3037-03	3037-06	3037-09
Handle length, inch/mm	7.9/200	15.6/385	13/330
Volume, mL	30	100	250
Materials container	clear PS	clear PS	clear PS
Materials cap	PP	metal	metal
Overall height, inch/mm	3.7/93	3/76	4.7/121
Diameter, inch/mm	1.2/30	2/50	2.6/65
Available per case	50	100	50

Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
3037-03	case/50	117.91	20	1-14	<b>94.33</b>
			30	15+	<b>82.54</b>
3037-06	case/100	345.99	29	1-14	<b>245.65</b>
			39	15+	<b>211.05</b>
3037-09	case/50	210.43	26	1-12	<b>155.72</b>
			36	13+	<b>134.68</b>



## Dippers with Removable Handle (Gosselin)

**HARD TO FIND ITEM!**

These sterilized polypropylene dipping containers were fashioned in blue for easy visibility. Remove the dipper from its tamper-evident and traceable sterile bag, hold the dipper by the handle and dip it into the liquid you wish to sample. Screw on the fully-detached blue cap or a snap down the hinged lid, push down on the handle to remove it, and return the container to the bag. Zip the bag closed and your sample is ready for transportation.

	3037-12	3037-18	3037-21
Handle length, inch/mm	8.7/220	8.7/220	8.7/220
Volume, mL	40	90	125
Materials container	blue PP	blue PP	blue PP
Materials cap	blue PE	blue PP, hinged lid	blue PE
Overall height, inch/mm	2.8/70	3.2/80	2.8/70
Diameter, inch/mm	1.2/30	1.8/45	2/50

Item No.	Qty	List Price	% Off List	Qty Break	Price
3037-12	case/250	397.53	23	1-14	<b>306.10</b>
			33	15+	<b>266.35</b>
3037-18	case/150	288.30	23	1-14	<b>221.99</b>
			33	15+	<b>193.16</b>
3037-21	case/100	241.57	23	1-14	<b>186.01</b>
			33	15+	<b>161.85</b>

## Traceable® SpatulaBalance™ (Control 3475)

### Unique spatula both scoops material and instantly displays weight

Scoop design eliminates spilling and holds up to 1.1 fluid ounces. Three position soft-touch keys in the handle sets to zero, freezes the display, and changes grams/ounces. LCD indicates low battery.

Markings on see-through scoop are graduated from 5 to 30 milliliters in 5-milliliter increments for weighing liquids with ease. Scoop detaches from balance for dishwasher-safe cleaning. Chemical/corrosion resistant ABS plastic construction allows transferring materials without sticking. Transfers and weighs crystals, granulated material, solids, liquids, precipitates, and chemicals. Includes an individually serial-numbered Traceable® Certificate.

- Digital display
- Easy grip handle
- Large scoop minimizes spilling

Range	0 to 10.580 oz and 0 to 300.0 g
Readability	0.005 oz and 0.1 g
Accuracy	±0.2g or 0.25% whichever is greater
Size	9 x 2 x 1"
Weight	3 oz
Power Supply	AAA / One year + usage
Warranty	One year

Item No.	List Price	% Off List	Your Cost
3160-10	48.18	15	<b>40.95</b>



## Broad Spectrum Microtabs II™ (D&F Control Systems)



A superior tablet used for the preservation of milk samples to be analyzed on infrared instruments. Each tablet, which contains 8 mg Bronopol and 0.30 mg Natamycin, preserves a 20-40 mL milk sample. Active against bacteria, yeast and mold. Three year shelf life.

Item No.	Qty	Qty Break	Your Cost
3038-50	800 tablets	1-24	<b>17.27</b>
		25-49	<b>13.19</b>
		50+	<b>11.59</b>

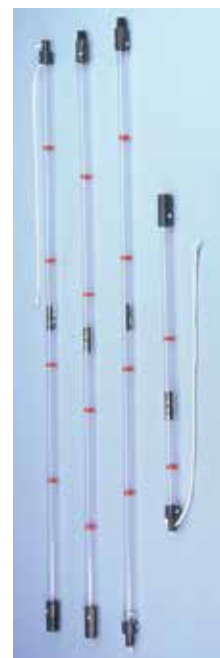


## Sludge Judge® (Nasco)

Accurately read settleable solids in any liquid, to any depth. Lower the Sludge Judge to the bottom of a tank you would like to sample. When the bottom has been reached and the pipe has filled to the surface level, tug slightly on the rope as you begin to raise the unit. This sets the check valve, trapping the column of solids and liquid in the Sludge Judge.

When the unit has been raised clear of the liquid, the amount of solids in the sample can be read using the one foot increments marked on the pipe sections. To release the material in the unit, touch the pin extending from the bottom section against a hard surface. This opens the check valve to drain the liquids and solids.

15 foot sampler comes in five foot sections of 3/4" plastic pipe with screw type fittings. The top section includes a nylon line for raising the sampler.



Item No.	Your Cost
3065-12	92.86

### Accessories:

Item No.	Description	Your Cost
3065-14	Bottom section w/ valve	45.57
3065-15	Extension sections, each	31.50
3065-16	Top section w/rope	31.26
3065-90	6' Spiral brush	28.76



## Long-Handled Dippers

High density polyethylene. 500 mL bowl capacity with easy-pour spout. One-piece construction except the 12 foot handle which is a two-piece screw-together design.

Item No.	Handle length	List Price	% Off List	Your Cost
3065-22	3 foot	39.86	25	29.90
3065-24	6 foot	82.75	20	66.20
3065-26	12 foot	159.30	20	127.44



## Dipper with Graduations (DynaLab)

- 1 1/2 foot handle
- 500 mL graduated cup
- 2 pour spouts
- PVC handle grip
- High density polyethylene

Item No.	List Price	% Off List	Your Cost
3056-19	31.73	25	23.80

## Long-Handled Dippers with Replaceable Cup (Bel-Art Scienceware F36784)

The polypropylene cups have threaded fittings that screw onto the handle. 500 mL dipper has two pouring spouts. Handle is ribbed for a sure grip and has a hook for hanging. Economically priced.

Item No.	Description	List Price	% Off List	Your Cost
3065-33	3 foot handle	52.15	20	41.72
3065-35	6 foot handle	67.95	20	54.36
3065-38	Extra 500 mL screw-on cup	12.40	20	9.92



3056-19

800-328-8378

### ACCESSORIES: FOR WATER SAMPLING



Additional Dippers see page 174.



**WEBER**  
Everyday  
**LOW**  
Prices!

### Three Zone Powder Sampler (Bel-Art Scienceware)

For the proper sampling of powders, pellets and other friable materials which may become non-homogeneous in bags. Anodized aluminum with a sharp stainless steel point. 22" long and has three ports each 3" long X .39" wide with a volume of 9 cc. The T handle is turned to close the cells and the steel point is inserted through the bag wall. When the sampler is in deep enough to cover the three cells, the handle is turned a half turn to allow samples to enter and then returned to the original position. The sampler is now removed and the three samples dumped into containers for analysis.

Item No.	List Price	% Off List	Your Cost
3062-08	245.55	10	<b>221.00</b>

### Tapered Plug Soft Solid Sampler (Bel-Art Scienceware)

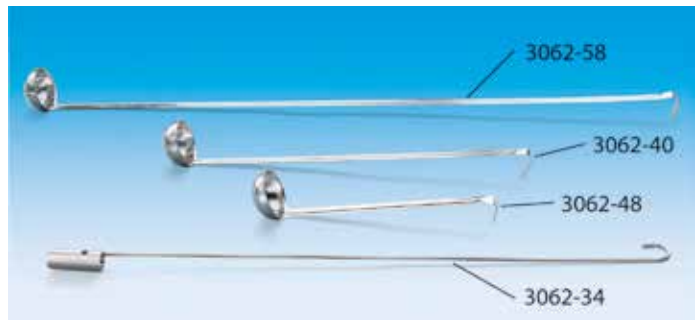
Smooth satin finished stainless steel sampler for extracting a "plug" of cheese. The sharp end will cut through a bag or box. Twisting the handle one half turn will cut out a plug of cheese 6" long tapering from 1 1/16" to 1/2". Overall length is 7 1/2".



Item No.	List Price	% Off List	Your Cost
3062-16	108.40	10	<b>97.56</b>

**FIND IT AT WEBERSCIENTIFIC.COM**

- Weber-Boyle™ Bulk Milk Tank Sampler
- Butter and Cheese Triers



### Milk Sampling Dippers

Stainless steel with convenient hanging hook.

Item No.	Capacity	Handle Length	Description	Your Cost
3062-34	20 mL	30"	With overflow hole.	<b>92.99</b>
3062-40	2 oz./60 mL	18"	*One-piece. NSF approved for use in the food industry.	<b>36.62</b>
3062-48	2 oz./60 mL	12"	*One-piece. NSF approved for use in the food industry.	<b>9.94</b>
3062-58	2 oz./60 mL	36"	*One-piece. NSF approved for use in the food industry.	<b>62.30</b>

\* One piece construction means no joint where handle and bowl meet, eliminating sample residue from collecting and growing bacteria. Double pour spouts.



### "Bacti-Kit" Single-Service Sampling Tubes (Dairy Technology)

Sterile, disposable sampling straws are economical and easy to use. A cardboard tube dispenses one at a time through a special turning cap which protects unused pipets. Ideal for sanitarians and field men: convenient and sanitary to carry between stops. No possibility of bacteriostatic effect of incompletely rinsed washing compounds. Single service gains confidence in the reliability of bacteria counts by those being sampled. Extra length insures representative sample from tanks. Pack of 250 straws; 10 tubes X 25 straws per tube.

Item No.	Length inches	O.D. inches	Qty Break	Your Cost
3030-00	24	1/4	1-5 multiples of 6	<b>68.61</b>
3030-18	18	1/4	1-5 multiples of 6	<b>66.31</b>
				<b>59.55</b>







## QualiTru Aseptic Liquid Flow Solutions

*Ensures a high quality sample every-time*

Users include dairies, water filtration companies, the brewing industry, wineries, juice manufacturers and egg producers.

This patented aseptic sampling process allows testing at different steps during processing to isolate contamination sources. Samples can be obtained from critical locations within a processing facility by installing sampling ports at successive sites. In the event of microbial contamination you will have greatly enhanced ability to determine a cause by being able to obtain samples at bracketed locations, invaluable in isolating and identifying the contamination source. Just as importantly, this aseptic system virtually eliminates the risk of introducing new contaminants to your product, process or sample. It is used by over 2,000 fluid-food and dairy companies to proactively monitor potential sources of product contamination, such as ineffective pasteurization, airborne contaminants, malfunctioning valves, cracked tanks, faulty cleaning, etc., while providing accurate documentation for Hazard Analysis Critical Control Point Programs (HACCP) or any quality assurance program. Detailed written instructions can easily be incorporated in Standard Operating Procedure (SOP) manuals.



## SAMPLING SUPPLIES

Item No.	Description	Your Cost
3064-15	Starter kit; consists of a single sterile 7 port aseptic sampling membrane with cap, 7 disposable 60 mL syringes with 1 1/2" needles, alcohol wipes and instructions	31.69



3064-15

Two types of sterile sampling membranes are now available:

Item No.	Description	Type Rubber	Temp. Stability	PSI Stability	Qty Break	Your Cost
3064-18	7 port sampling membrane, sterile, ind. wrapped	standard EPDM	190°F.	150 psi/200 hours	1-99 100+	8.00 6.50
3064-19	7 port sampling membrane, sterile, ind. wrapped	silicone	280°F.	150 psi/200 hours	1-99 100+	11.42 10.41
3064-20	Dust cover for 7 port sampling membrane.					1.45
3064-99	Wrench for aseptic sampler					25.00



3064-18

QualiTru sterile sampling ports also accommodate a wide variety of temperature probes. Following is the most popular.

### Chisel tip probe (Cooper-Atkins 49122-K)

Fast response thermocouple K-type probe with an ultra-fine chisel-tip. 2-second response. 4" long x 0.065" diameter. Use up to 500°F. Flexible cable with PVC jacket.



Item No.	List Price	% Off List	Qty Break	Your Cost
3000-85	191.40	40	1-2	114.84
		44	3+	107.18

### FREE Training CD Available

Request a complimentary copy of the instructional Safe Septum® Training CD. Item No. 3073-21



## Installation Supplies

All elbow and tank fittings, complete with membrane housing nut, are stainless steel and tooled for a precise fit. Line sampling, and effective CIP, is best accomplished when the sampler is located in an elbow. Elbows are available either tri-clamp (clamp not included) or butt weld. Tank fitting installation can be in outer well or door.

Item No.	Description	Your Cost
3064-21	tri-clamp elbow, 1 1/2"	307.00
3064-23	tri-clamp elbow, 2"	332.00
3064-25	tri-clamp elbow, 2 1/2"	377.00
3064-27	tri-clamp elbow, 3"	407.00
3064-31	butt weld elbow, 1 1/2"	307.00
3064-33	butt weld elbow, 2"	332.00
3064-35	butt weld elbow, 2 1/2"	377.00
3064-37	butt weld elbow, 3"	407.00
3064-39	tank fitting, non-insulated	127.00
3064-41	tank fitting, insulated	322.00
3064-43	tri-clamp end cap, 1 1/2"	212.00
3064-46	tri-clamp end cap, 2"	212.00
3064-49	tri-clamp end cap, 2 1/2"	216.00



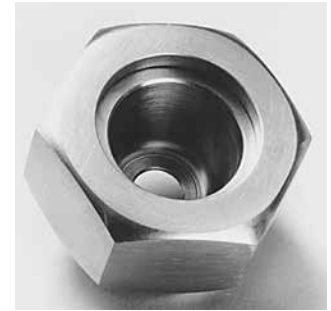
3064-21 to 27



3064-41



3064-31 to 37



3064-39

## Don't Give Unwanted Organisms A Living Chance

### QualiTru® Aseptic Transfer System

#### Positive action against contamination



Bacterial and phage contamination can occur in any processing plant ... at any time. Don't take chances. Take action against contamination with the QualiTru Aseptic Transfer System. These aseptic injection ports can be installed in your processing tanks or vats for the aseptic transfer of cultures and viscous materials. A sterile syringe and needle transfers ingredients into

one of the 12 injection ports in the specially designed membrane. When combined with proper sanitation procedures and GMP, can help you:

- Inoculate cultures aseptically.
- Add ingredients, flavorings, enzymes, etc., without contamination.
- Sample and monitor processes quickly, easily, aseptically.
- Avoid the disaster of contamination from any of the many airborne bacteria, phage and other microorganisms that exist in even the cleanest, most sanitary processing plants.
- The system is compatible with sterilization temperatures.



3064-80



3064-81



3064-84

### INJECTION/INSTALLATION SUPPLIES

Two types of sterile injection membranes are now available:

Item No.	Description	Type Rubber	Temp. Stability	PSI Stability	Qty Break	Your Cost
3064-80	12 port injection membrane, sterile, ind. wrapped	standard EPDM	190°F.	150 psi/200 hours	1-24	15.26 13.40
3064-81	Dust cover for 12 port sampling membrane				25+	1.74
3064-82	12 port injection membrane, sterile, ind. wrapped	silicone	280°F.	150 psi/200 hours		25.54
3064-83	Injection channel tank fitting,					412.00
3064-84	Injection channel tank fitting, insulated, 304SS					512.00
3064-91	End cap, 2", 304SS					447.00
3064-93	End cap, 2 1/2", 304SS					467.00
3064-95	End cap, 3", 304SS					252.00

### ACCESSORIES: FOR ASEPTIC SAMPLING



Sterile Syringes and Needles see pages 178-179.



3064-09

## Composite Bags for the QualiTru Aseptic Sampling System Recommended for the processing plant or on the farm

Line sampling has been effectively used for a number of years by dairy processors as a method of identifying sources of contamination. Samples from HTST (High-Temperature Short-Time), product storage tanks and lines prior to the fillers have been routinely analyzed. However accurate testing of HTST samples has been difficult because of small sample size, sampling timing and low oxygen levels in the milk. A composite sampling bag, incorporated into the QualiTru aseptic sampling system, has proven to be effective. This sterile bag has tubing and a needle attached which allows a sample to be taken over a 5-10 minute time period.

Contamination can occur when the HTST system goes through the clarifier desludge mode. At this time, pressure changes occur which can result in contamination. Therefore, samples should be taken a few minutes before the clarifier desludges until a few minutes after it desludges. Procedures require that two samples be taken. One to determine gram-negative bacteria using a test such as the dairy stress test. Since the growth of gram-negative bacteria is very oxygen sensitive, it is suggested to add air (headspace) to the samples. A second sample must be taken and treated the same as a 7-day keeping quality test (7-days at 7°C, followed by plating on SPC media).

The QualiTru composite sampling system also allows dairy farmers to obtain contamination-free samples, resulting in accurate bacterial counts. Precise composite sampling aids in mastitis control and accurate composite samples of cow groups.



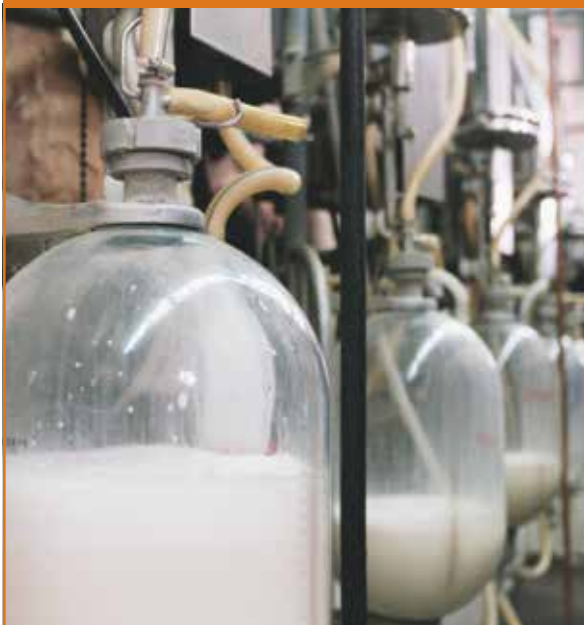
Sources of contamination of milk from the HTST include:

1. Thermophilic Psychrotrophic and/or sporeforming bacteria from raw milk.
2. Contamination from cracks in the HTST plates.
3. Thermophilic bacteria may colonize plates in the regeneration section of the HTST resulting in high bacteria counts.

Item No.	Description	Qty Break	Your Cost
3064-01	250 mL bag assembly	1-24	<b>4.60</b>
		25+	<b>4.45</b>
3064-03	2 liter bag assembly	1-24	<b>5.00</b>
		25-99	<b>4.75</b>
		100+	<b>4.45</b>
3064-05	5 liter bag assembly	1-10	<b>6.97</b>
		11+	<b>6.29</b>
3064-09	flow control clamp		<b>3.13</b>

## On-the-Dairy-Farm Product Bulletin

## A Sampling Solution for Bulk Tanks



Sampling and subsequent testing of milk has traditionally been limited to individual cows or bulk tank samples. With today's large dairy herds there is a growing recognition of the value of sampling and the evaluation of milk from groups of cows, e.g., line sampling. Valuable management information can be obtained from these samples to improve milk quality, herd health and feeding programs.

Until now, the dairy farm industry had been at a loss in finding a way of sampling cow groups aseptically (without contamination). There has also been a problem in obtaining a composite sample which would represent milk obtained by each member of a cow group. QualiTru's pipeline sampler (Aseptic Sampling System) along with QualiTru's Composite Sampling Bag are **ideal for obtaining samples for analysis for bacterial contamination, herd health and feeding programs.** Various validation studies have been conducted that prove the QualiTru System is effective and reliable. You won't get cheated out of your Quality Bonus with the QualiTru Sampling Systems.

**Use of a QualiTru sampler will fulfill two additional distinct needs.** First, many farms are loading milk after being harvested directly to milk hauler trucks. Second, many farmers are installing new horizontal/vertical tanks or silos that have a need for aseptic sampling.

The FDA has recently approved the QualiTru sampling method for use in the NCIMS program.

The QualiTru System is also easy to retrofit, 3-A certified, easy-to-use and is very cost-effective. It has been used in the dairy processing industry for almost 25 years. The system is well established, currently being used in over 1,000 dairy plants worldwide for their process monitoring.

### FREE Training CD Available

Request a complimentary copy of the instructional "Effective Line and Tank Sampling on Dairy Farms" training CD. Includes installation instructions.

Item No. **3073-22**





4414-08

## Monoject® Sterile Single-Use Syringes (Covidien)

Original equipment replacement for use with the QualiTru aseptic sampling system. Luer-Lok® tip. Individually wrapped. Needles available separately. Superb value!

Item No.	Capacity, cc / oz.	Packaging	Qty	Qty Break	Your Cost
4414-04	12	Soft	case/1000	1-2 3+	154.35 134.38
3063-01	35 / 1	Rigid	case/180	1-4 5+	146.14 129.93
3063-02	35 / 1	Rigid	pack/30		26.61
4414-08	35 / 1	Soft	case/160	1-4 5+	89.42 77.00
3063-05	60 / 2	Rigid	case/100	1-4 5+	128.33 114.07
3063-06	60 / 2	Rigid	pack/20		28.25
4414-13	60 / 2	Soft	case/360	1-2 3+	241.80 211.89
3063-13	140 / 5	Soft	case/20	1-4 5+	97.57 86.09



## Sterile Single-Use Syringe (BD®)

Popular for use with in-line aseptic sampling systems. Luer-Lok® tip. Needle available separately. Individually wrapped.

Item No.	Capacity, cc	Mfr Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
3063-35	10	302995	case/400	72.64	15	1-4 26 5+	61.74 53.75
3063-34	10	302995	pack/200	36.32	20		29.06
3063-65	20	302830	case/192	96.00	20	1-4 30 5+	76.80 67.20
3063-15	30	302832	case /224	133.28	22	1-4 32 5+	103.96 90.63
3063-16	30	302832	pack/56	33.32	20		26.66
3063-28	60	309653	case /160	147.20	23	1-4 34 5+	113.34 97.15
3063-29	60	309653	pack/40	36.80	20		29.44

## Monoject® and Exel® Sterile Needles (Covidien)

Original equipment replacement fits all syringes. Individually wrapped.

### Exel

Item No.	Gauge	Length, in.	Color Code	Qty	Your Cost
3063-40	14	2	metal	case/1000	226.50
3063-41	14	2	metal	pack/100	24.55
3063-42	14	1 1/2"	metal	case/1000	226.50
3063-43	14	1 1/2"	metal	pack/100	24.55
3063-44	16	1 1/2"	metal	case/1000	226.50
3063-45	16	1 1/2"	metal	pack/100	24.55

### Monoject

Item No.	Packaging	Gauge	Length, in.	Color Code	Qty	Qty Break	Your Cost
3063-07	Rigid	18	1 1/2"	green	case/1000		102.72
3063-08	Rigid	18	1 1/2"	green	pack/100		11.85
4414-25	Soft	18	1 1/2"	green	case/1000	1-4 5+	76.27 67.56
4414-26	Soft	18	1 1/2"	green	pack/100		7.98
3063-10	Rigid	20	1 1/2"	pink	case/1000		105.15
3063-11	Rigid	20	1 1/2"	pink	pack/100		12.13
4414-28	Soft	20	1 1/2"	pink	case/1000	1-4 5+	76.27 67.56
4414-29	Soft	20	1 1/2"	pink	pack/100		7.98

## Sterile Syringe Needles (BD®)

Fits 30 and 60 cc syringes.

Item No.	Mfr Item No.
3063-22	305196
3063-23	305196
3063-26	305176
3063-27	305176

Item No.	Gauge	Length, in.	Hub Color	Qty	List Price	% Off List	Qty Break	Your Cost
3063-22	18	1 1/2"	pink	case/1000	130.00	30	1-4 40 5+	91.00 78.00
3063-23	18	1 1/2"	pink	pack/100	13.00	25		9.75
3063-26	20	1 1/2"	yellow	case/1000	130.00	30	1-4 40 5+	91.00 78.00
3063-27	20	1 1/2"	yellow	pack/100	13.00	25		9.75



## Monoject® 12CC Single-Use Syringe With Needle Attached (Covidien)

Sterile 12cc syringe with Luer-Lok® tip complete with 20 gauge 1 1/2" needle attached. Individually wrapped.

Item No.	Qty	Your Cost
3063-32	case/480	201.36
3063-33	pack/80	51.32



3063-82



3063-89

## Safety Sharps Collector (BD5460)

Prevent accidental needlestick. "Point-first" tapered neck for safe disposal of needles and syringes. Rigid polypropylene container with sturdy handles is durable and puncture resistant for safe transport and final disposal. Clearly labeled bright red box has a 2 gallon capacity. Can be autoclaved and compacted, or incinerated.

Item No.	Qty	Qty Break	Your Cost
3063-82	each	1-23	7.28
		Multiples of 24	6.76

## Sharps-A-Gator™ Container (Covidien 31142222)

Clear, locking top with large horizontal load opening that accommodates larger syringes. Container locks for final disposal. Safe to autoclave or incinerate. Clearly labeled nestable red box has a 2 gallon capacity. Simple assembly.

Item No.	Qty	Qty Break	Your Cost
3063-89	each	1-19	4.66
		Multiples of 20	4.14



3063-50

## Smaller Single-Use Syringes (BD)

Sterile individually wrapped. Luer-Lok® tip.

Item No.	Mfr Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
3063-53	309624	1 mL syringe with 21 g X 1" needle attached	case/800				147.10
3063-54	309624	1 mL syringe with 21 g X 1" needle attached	pack/100				19.94
3063-50	309580	3 mL syringe with 18 g X 1 1/2" needle attached	case/800	260.00	50	1-4	130.00
					60	5+	104.00
3063-51	309580	3 mL syringe with 18 g X 1 1/2" needle attached	pack/100	32.50	35		21.13
3063-38	309657	3 mL syringe, needle available separately	case/800	82.64	8	1-4	76.03
					18	5+	67.76
3063-37	309657	3 mL syringe, needle available separately	pack/200	20.66	5		19.63



## 10 mL Syringe/Needle Combination (BD®)

BD Luer-Lok™ syringe with positive plunger rod stop and tapered plunger rod design with BD PrecisionGlide™ 20 G x 1 1/2 in. needle. Individually packaged.

Item No.	Mfr. Item No.	Qty.	Your Cost
3063-46	309645	Case/400	106.25
3063-47	309645	Box/100	40.48

## Alcohol Wipes (Covidien)

Prep pads of surgically pure cotton felt saturated with 70% isopropyl alcohol. Sterile pads are pre-packaged in individually sealed, foil laminated packets. Case of 4000.

Item No.	Qty Break	Your Cost
4350-20	1	65.00
	2+	43.33



## EnSURE™ Multi-Parameter Luminometer (Hygiena)

One instrument for multiple quality tests...

- **Microbial Detection with Micro-Snap™**
- **ATP Hygiene Monitoring**
- **Allergen Control**
- **Acid Phosphatase**
- **Rapid results**
  - 15 seconds for ATP
  - 7 hours or less for microbes
- **Sensitive detection levels**
  - To 0.1 femtomoles of ATP with Supersnap
  - To 1-5 CFU for microbes
  - 2X more sensitive than systemSURE PLUS
- **Memory capacity**
  - 100 test plans
  - 2000 user IDs
  - 5000 test locations



### Key Design Features:

- Protected USB connection so no moisture can get into the system.
- Removable read chamber design allows for easy cleaning.
- Large viewable screen with backlight.
- Durable case is designed for use in the harshest environments and internal solid state detector is not affected by drops or shakes.
- Sealed keypad is splash proof and can withstand the toughest of users.
- Runs on 2 x AA batteries.
- 7 button keypad is easy to navigate for any user.
- Complete with stand and protective carrying case.



## SystemSURE Plus™ Sanitation Monitoring System (Hygiena) Specifically for ATP Hygiene Monitoring

- Detects to 1.0 femtomoles of ATP
- Has most of the other features as the EnSURE instrument for ATP analysis
- One year warranty

Item No.	Mfr Item No.	Description	Qty Break	Your Cost
3661-72	ENSURE	EnSURE Luminometer	1 2+	1451.00 1250.00
3661-80	SS3	SystemSURE Plus	1 2+	1305.00 1187.50

## ATP Hygiene Monitoring Swabs (Hygiena)

All-in-one test which detects low levels of ATP (Adenosine Triphosphate)



### SuperSnap™ is super sensitive.

- Used predominantly in food & beverage processing facilities as an allergen cross-contamination prevention tool or when dealing with difficult samples
- By incorporating SuperSnap into a prevention program, risks and issues are recognized in real time and immediate corrective action and preventative measures can be implemented before product overlays occur.
- Identify food residues at extremely low levels
  - o Pre-moistened swab bud breaks through biofilms
  - o Detects very small amounts of ATP and organic residues
  - o Suitable for allergen monitoring – detects residues at levels down to 0.1 femtomoles of ATP when used with EnSURE monitoring system
  - o SuperSnap is comparable to ELISA and lateral flow allergen specific tests



### UltraSnap™ offers high sensitivity and is very cost effective.

- Detects to 0.1 femtomoles of ATP with EnSURE
- Detects to 1 femtomoles of ATP with SystemSure Plus

#### Features of SuperSnap and UltraSnap

- All-in-one test devices
- Pre-wetted swab
- Liquid stable reagent
- More resistant to sanitizer affect
- Write-on swab label
- 12 months at refrigerated temperature of 35-46°F (2-8°C)
- 4 weeks at room temperature of 70-77°F (21-25°C)

#### Benefits of SuperSnap and UltraSnap

- Ready-to-use and convenient
- Simple, easy-to-use and interpret
- Consistent sample collection
- Maximum sample recovery
- More resistant to harsh chemical sanitizers
- More resistant to challenging product residues and production environments at extreme pHs

Item No.	Mfr Item No.	Description	Qty	Qty Break	Your Cost
3661-76	SUS300	SuperSnap	case/100	1 2+	232.00 215.00
3661-75	US2020	UltraSnap	case/100	1 2+	203.00 193.00
3661-91	PCD4000	Positive/Negative Control Set	each		250.00
3661-92	CK25	Positive Control Kit	pack/25	1 2+	86.75 73.85
3661-87	SSCC03	Swab Cooler	each		35.00



### ACCESSORIES:



Micro-Snap see page 56.



## CrossCheck Acid Phosphatase Test (Hygiena)

CrossCheck is a rapid bioluminogenic test for the determination of Acid Phosphatase (ACP) activity. CrossCheck can quickly gauge whether surfaces and utensils, even those that appear visibly clean, retain potentially hazardous uncooked residue. CrossCheck can also be used directly on cooked products to verify thermal processing and food contact surfaces to measure raw meat residues and cross contamination hazards.

### Benefits:

- Results in 2-5 minutes
- 2 minute quick-test or 5 minute enhanced sensitivity test methods
- Liquid –stable chemistry eliminates the need to reconstitute a pellet, giving more accurate results with less variation
- Unique patented Snap-Valve™ design reduces user variation
- Pre-wetted swab breaks through biofilm and aids in sample collection
- Environmentally conscious design uses 50% less plastic than other tests
- Test devices are 100% recyclable
- 12 month shelf life at refrigerated temperatures (2°C -8°C)

### Sensitivity:

- Detects to 0.1% or less of raw meat or fish
- Optional incubation for enhanced sensitivity

Item No.	Mfr. Item No.	Description	Qty	Qty Break	Your Cost
3661-88	CX-3000	CrossCheck Acid Phosphatase Test	PK/10	1	250.00
				2+	225.00

ATP hygiene monitoring has gained widespread acceptance in the US food industry as a critical control point in HACCP.

Ideal for food, dairy and beverage processing plants as well as restaurants and supermarkets.

### Cutting edge programmability

- 100 programmable test plans
- 251 programmable locations per test plan
- 200 programmable user identification
- 5000 programmable test locations
- Stores 2000 test results on the meter
- Alphanumeric test plan name on screen
- Complimentary SureTrend data analysis software



## Everyday Low Prices

When you do business with Weber Scientific you'll find high quality at our legendary Everyday Low Prices. We make doing business easy.

Phil Coombs  
Key Account Manager  
800-328-8378  
[pcoombs@weberscientific.com](mailto:pcoombs@weberscientific.com)



## ATTENTION Charm, BioControl and BioTrace users!



## Save BIG BUCKS with the Snapshot™ Universal ATP Integrated Device.



SnapShot™ universal ATP surface tests are compatible with most manufacturers' luminometers. Each version is designed to replicate the ATP reaction of the test it's replacing, eliminating the need to change pass/fail settings. In addition, SnapShot uses Hygiena's unique liquid-stable reagent, allowing for more reproducible results. SnapShot devices cost up to 50% less, allowing users to expand their testing program with the same budget.

Model	Replaces (device)	Manufacturer	Specific Advantages
Lum-T™ Firefly™ nova Lum™	PocketSwab Plus™	Charm	<ul style="list-style-type: none"> <li>• Greater sensitivity</li> <li>• Patented device design enables superior sample recovery</li> <li>• 12 mo. vs. 9 mo. shelf life</li> </ul>
Lightning® MVP	Lightning	BioControl	<ul style="list-style-type: none"> <li>• Greater sensitivity</li> <li>• Unique liquid-stable chemistry produces consistent results</li> <li>• 15 mo. vs. 9 mo. shelf life</li> </ul>
Uni-Lite® XCEL	Clean-Trace	Biotrace/3M	<ul style="list-style-type: none"> <li>• Patented device design enables superior sample recovery</li> <li>• Unique liquid-stable chemistry produces consistent results</li> <li>• 15 mo. vs. 6 mo. shelf life</li> </ul>

### ORDERING INFORMATION. 100 per pack. Refrigeration required.

Item No.	For use with Luminometer	Your Cost
<b>Direct use swab device</b>		
3661-65	Charm Lum-T™ and FireFly™	202.35
3661-66	Charm novaLUM™ and FireFly™ 2	202.35
3661-25	BioControl Lightning MVP	202.35
3661-05	Biotrace Uni-Lite XCEL	202.35

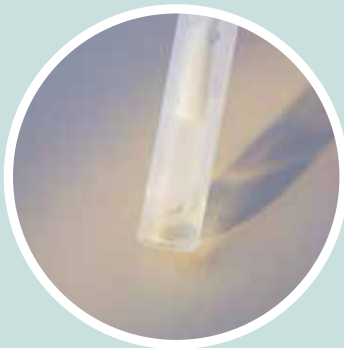
Item No.	For use with Luminometer	Your Cost
<b>Adaptor for use with Luminometer</b>		
3661-23	Charm – all	43.75
3661-26	BioControl MVP	no longer required
3661-29	Biotrace NG	no longer required
3661-22	Biotrace Uni-Lite XCEL	no longer required



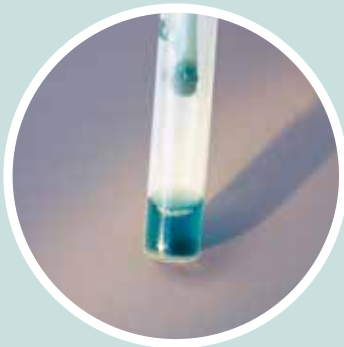
Hycheck Test Kits see website.  
AquaSnap Test Device see page 242.  
AllerSnap Test Device see page 8.

## SpotCheck™ Plus

**Detects residue of virtually any food or drink**



**Negative (clean)**



**Positive (contaminated)**



### SpotCheck™ Plus Color Hygiene Test (Hygiene)

**Use SpotCheck Plus to measure - in just 60 seconds – whether surfaces are thoroughly clean. A surface may visually appear clean but could still contain traces of food residue, providing a major nutrient source for harmful microorganisms to grow.**

SpotCheck Plus detects invisible amounts of glucose or lactose, a constituent of practically all foods and beverages. With SpotCheck Plus you find out nearly instantly if any food residue is left on a surface, allowing corrective action to be taken on the spot. On the other hand you can also save money by avoiding unnecessary cleaning and sanitizing costs.

SpotCheck Plus is an extremely convenient all-in-one swab device. Unlike ATP bioluminescence hygiene-monitoring systems, it requires no expensive instruments. Simply swab, snap, squeeze and read a definitive color change - "if it turns green it isn't clean." By testing with SpotCheck Plus regularly you can minimize the risk of foodborne hazards as well as maintain the high quality and long shelf-life of your products. And since SpotCheck Plus measures simple sugars, you can detect all major food groups. This is a great advantage over swabs that only detect protein residue, which typically are limited to high protein foods such as meat.

SpotCheck Plus is suitable for rapid cleaning validation and sanitation monitoring. Incorporate SpotCheck Plus into your HACCP plan.

- ✓ analyze hazard – bacteria growth on food residues
- ✓ determine CCP's (critical control points) – removing residue
- ✓ set criteria – establish cleaning requirements
- ✓ monitor – test with SpotCheck™ Plus
- ✓ set corrective action – additional cleaning
- ✓ verify – test with SpotCheck
- ✓ documentation – record results

Item No.	Description	Qty	Qty Break	Your Cost
3660-12	SpotCheck Plus glucose/lactose device, for dairy products	pack/100	1	173.89
			2+	154.66

Precautionary note:  
To ensure freshness store at refrigerated temperature.

Hygiene monitoring tests should be performed post-cleaning and pre-sanitization to verify cleaning effectiveness. The manufacturer recommends that if the SpotCheck Plus device is used post-sanitization, then the sanitizer must be given time to dry completely before the sample is taken. Of particular concern are peroxide-based sanitizers, which can give a false-positive result if not left to dry before sampling. You're welcome to call the Weber Scientific Technical Service department for additional information.

Please contact us for  
**Custom  
Competitive  
Pricing™**



Nancy Silvester  
Account Manager  
nsilvester@weberscientific.com

### ACCESSORIES: FOR HYGIENE MONITORING



Hycheck Test Kits see website.  
Pro-Clean Test Device see page 8.



**Test Strips Make Sense for Simple, Accurate and Inexpensive Analysis**

**Water Quality Test Strips (Industrial Test Systems)**

These patented tests are a safe and sensitive alternative to wet chemical tests. A mechanical reader is not required – even for the 0.05 PPM or mg/L sensitivity.

Item No.	Mfr. Item No.	Parameter	Range ppm/mg/L	Steps, mg/L	Qty	List Price	% Off List	Qty Break	Your Cost
4312-03	481026	Chlorine, free Water Check	0-6	0, 0.05, 0.2, 0.4, 0.6, 0.8, 1.2, 1.5, 2.0, 2.6, 4, 6	bottle/50	18.99	30	1-9	<b>13.29</b>
								10+	<b>12.34</b>
4312-06	481126	Chlorine, free Water Check	0-6	0, 0.05, 0.2, 0.4, 0.6, 0.8, 1.2, 1.5, 2.0, 2.6, 4, 6	30 individually wrapped	18.99	30	1-9	<b>13.29</b>
								10+	<b>12.34</b>
4312-12	480023	Chlorine, free	0-25	0, 0.25, 0.5, 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 15, 20, 25	bottle/50	16.99	30	1-9	<b>11.89</b>
								10+	<b>11.04</b>
4312-09	480602	Chlorine, free SenSafe	0-25	0, 0.02, 0.05, 0.1, 0.2, 0.4, 0.8, 1.0, 1.2, 1.6, 2, 3, 4, 5, 6, 7, 8, 9, 11, 15, 20, 25	50 individually wrapped	28.49	30	1-9	<b>19.94</b>
								10+	<b>18.52</b>
4312-15	480022	Chlorine, free	1-120	0, 1, 2, 5, 10, 20, 40, 80, 120	bottle/50	14.99	30	1-9	<b>10.49</b>
								10+	<b>9.74</b>
4312-20	480024	Chlorine, free high range	0-750	0, 25, 50, 100, 200, 300, 400, 500, 750	bottle/50	14.99	30	1-9	<b>10.49</b>
								10+	<b>9.74</b>
4312-18	480124	Chlorine, free	0-2000	0, 25, 50, 200, 500, 800, 1000, 1500, 2000	bottle/50	14.99	30	1-9	<b>10.49</b>
								10+	<b>9.74</b>
4312-50	480018	Iodine	0-5	0.0, 0.2, 0.05, 0.1, 0.2, 0.3, 0.4, 0.5, 1, 2, 3, 4, 5	bottle/50	16.99	30	1-9	<b>11.89</b>
								10+	<b>11.04</b>
4312-53	480064	Iodine	0-300	0, 5, 10, 15, 20, 30, 40, 50, 75, 100, 150, 200, 250, 300	bottle/50	14.99	30	1-9	<b>10.49</b>
								10+	<b>9.74</b>
4312-54	480065	Peracetic Acid	0-100	0, 2, 5, 10, 20, 30, 40, 100	bottle/50	10.49	30	1-9	<b>7.34</b>
								10+	<b>6.82</b>
4312-55	480066	QAC (Quaternary Ammonia)	0-1000	0, 100, 150, 200, 300, 350, 400, 1000	bottle/50	10.49	30	1-9	<b>7.34</b>
								10+	<b>6.82</b>
4312-56	481234	Ozone	0 - >0.5	0, 0.05, 0.1, 0.2, 0.3, 0.4, >0.5	bottle/50	20.99	30	1-9	<b>14.69</b>
								10+	<b>13.64</b>
4310-28	481015	Peroxide	0-4	0.05, 0.3, 0.5, 1.0, 2.0, 4.0	bottle/50	19.99	30	1-9	<b>13.99</b>
								10+	<b>12.99</b>
4310-26	480014	Peroxide	0-100	0, 0.5, 2, 5, 10, 25, 50, 100	bottle/50	15.99	30	1-9	<b>11.19</b>
								10+	<b>10.39</b>



SANITIZER TEST STRIPS

**Detect Sanitizer Residue Accurately, Simply and Inexpensively**

**Chlorine, Iodine, QAC Test Papers (LaMotte)**

Chemically impregnated test paper strips provide a simple, fast and economical means of checking the strength of sanitizers in dishwashing rinses and other cleaning solutions. Furnished with instructions and color chart in a waterproof plastic vial.



Item No.	Mfr. Item No.	Description	Range, ppm	Qty per Vial	Qty Break	Your Cost
4310-10	4250-BJ	Chlorine test strips	10, 50, 100, 200	200 strips	1-19	<b>6.15</b>
					20+	<b>4.55</b>
4310-15	2948-BJ	Iodine test strips	12, 25, 50, 100	200 strips	1-19	<b>6.15</b>
					20+	<b>4.55</b>
4310-22	2951	QAC (Quaternary Ammonia Compound) test strips	50, 100, 200, 400	100 strips	1-19	<b>5.78</b>
					20+	<b>4.13</b>
4310-23	3072-J	QAC (Quaternary Ammonia Compound) test strips	0, 100, 200, 300, 400, 500	100 strips	1-19	<b>8.16</b>
					20+	<b>5.83</b>
5049-57	2951HR	QAC, High Range	200, 400, 600, 1000, 1500	50 strips	1-9	<b>6.72</b>
					10+	<b>6.47</b>

**Bromthymol Blue pH Indicator**

0.04% solution for checking laboratory glassware. Localized blue (alkaline) or yellow (acid) zones in the dispersing bromthymol blue solution demonstrate incomplete removal of cleaning solutions.

500 mL.

Item No.	Your Cost
<b>4324-15</b>	<b>27.27</b>

DETERGENT RESIDUE

800-328-8378

**ACCESSORIES: FOR SANITATION AND SAFETY SUPPLIES**



pH Test Strips see pages 132, 184, 238, 240.  
Water Test Kits see page 241.  
Water Test Strips see page 240.

SANITATION SUPPLIES



## Hydrion® Chlorine Test Papers (Micro Essentials)

Hydrion Chlorine Test Paper provides a simple, reliable, and economical means to measure the concentration of free available chlorine in sanitizing solutions. With color matches at 10-50-100-200ppm, the test paper measures concentrations between 10-200ppm.

Item No.	Mfr Item No.	Range	Color Match Points	List Price	% Off List	Qty Break	Your Cost
<b>3077-09</b>	CM-240	10-200 ppm	10-50-100-200 ppm	4.53	10	1-9	<b>4.08</b>
					15	10+	<b>3.85</b>

## Hydrion® Quat Test Papers (Micro Essentials)

*Economical way to test the strength and efficacy of quaternary sanitizers*

- Color charts lab-tested for precision accuracy
- Each roll gives about 100 tests



Item No.	Mfr Item No.	Description	Range	Color Match Points	List Price	% Off List	Qty Break	Your Cost
<b>3077-10</b>	QC-1001	2-chain high-range quat types	0-1000 ppm	0-200-400-600-800-1000 ppm	5.06	10	1-9	<b>4.55</b>
						15	10+	<b>4.30</b>
<b>3077-11</b>	QT-10	2-chain quat types	0-400 ppm	0-100-200-300-400 ppm	5.18	10	1-9	<b>4.66</b>
						15	10+	<b>4.40</b>
<b>3077-12</b>	QT-40	4-chain quat types	0-500 ppm	0-150-200-400-500 ppm	6.04	10	1-9	<b>5.44</b>
						15	10+	<b>5.13</b>

## Insta-Test Test Strips (LaMotte)

Very useful in dairy, food and beverage plants.

### Single Factor Test Strips



Item No.	Mfr. Item No.	Description	Range (ppm)	Qty	Values (ppm)	List Price	% Off List	Qty Break	Your Cost
<b>5049-03</b>	2997	Alkalinity	0-180	50	0, 40, 80, 120, 180	11.45	18	1-9	<b>9.39</b>
							21	10+	<b>9.05</b>
<b>5049-06</b>	2999	Chlorine Dioxide	0-10	50	0, 0.25, 0.5, 1, 3, 10	11.40	18	1-9	<b>9.35</b>
							21	10+	<b>9.01</b>
<b>5049-09</b>	3002	Chlorine Dioxide	0-500	50	0, 10, 25, 50, 100, 250, 500	11.40	18	1-9	<b>9.35</b>
							21	10+	<b>9.01</b>
<b>5049-45</b>	2964-G	Chlorine, Free, Low Range	0-10	25	0, 0.25, 0.5, 1, 3, 5, 10	6.90	18	1-9	<b>5.66</b>
							21	10+	<b>5.45</b>
<b>5049-48</b>	3031	Chlorine, High Range	0-800	50	0, 50, 100, 250, 500, 800	19.95	18	1-9	<b>16.36</b>
							21	10+	<b>15.76</b>
<b>5049-12</b>	2979	Chlorine, Total	0-5	50	0, 0.5, 1, 3, 5	11.40	18	1-9	<b>9.35</b>
							21	10+	<b>9.01</b>
<b>5049-15</b>	2981	Hardness, Low Range	0-180	50	0, 30, 60, 120, 180	11.65	18	1-9	<b>9.55</b>
							21	10+	<b>9.20</b>
<b>5049-21</b>	3000	Peracetic Acid	0-160	50	0, 10, 20, 40, 60, 85, 160	10.80	18	1-9	<b>8.86</b>
							21	10+	<b>8.53</b>
<b>5049-42</b>	3000LR	Peracetic Acid, Low Range	0-50	50	0, 5, 10, 20, 30, 50	10.70	18	1-9	<b>8.77</b>
							21	10+	<b>8.45</b>
<b>5049-54</b>	3000HR	Peracetic Acid, High Range	0-1000	50	0, 50, 100, 250, 500, 1000	10.70	18	1-9	<b>8.77</b>
							21	10+	<b>8.45</b>
<b>5049-51</b>	2984LR	Peroxide	0-50	25	0, 1, 3, 10, 30, 30, 50	11.45	18	1-9	<b>9.39</b>
							21	10+	<b>9.05</b>
<b>5049-24</b>	2984	Peroxide	0-90	25	0, 15, 30, 50, 90	11.65	18	1-9	<b>7.58</b>
							21	10+	<b>7.58</b>
<b>5049-18</b>	2974	pH, Wide Range	4-10 (pH)	50	4, 5, 6, 7, 8, 9, 10	11.65	18	1-9	<b>9.55</b>
							21	10+	<b>9.20</b>
<b>5049-58</b>	2934	QAC (Quaternary Ammonia Compound) test strips	0-80	50	0, 10, 20, 40, 80	8.30	18	1-9	<b>6.81</b>
			0-800						



**The VersaClenz All-In-One Hand Hygiene System**

**NEW! VersaClenz Touchless Dispenser and Manual Dispenser (Best Sanitizers)**

Reduce cross-contamination with the VersaClenz Touchless Dispenser or Manual Dispenser. This versatile system can dispense 16 different products including sprays, foams, liquids, lotions, soaps and sanitizers. Both dispensers use the same universal 1000 mL and 1250 mL cartridges. The VersaClenz Dispenser system allows for drastic reduction of SKUs and warehousing needs without any reduction in product options. Available in black or white.

Automatic dispensers recommended for dry placement areas only. Not recommended for damp environments or wash down areas.

- Compatible with 16 different products
- Infrared sensor for touchless operation
- ADA compliant
- Durable
- Up to 100,000 applications on 4 D-Cell batteries (not included)

Best Suited for:

- Food Processing
- Food Service / Grocery

Item No.	Mfr Item No.	Description	List Price	% Off List	Qty Break	Your Cost
4339-10	AD10048C	VersaClenz Touchless Dispenser - White	59.95	10	1-5	<b>53.96</b>
				15	6+	<b>50.96</b>
4339-12	AD10048BC	VersaClenz Touchless Dispenser - Black	59.95	10	1-5	<b>53.96</b>
				15	6+	<b>50.96</b>
4339-15	MD10030C	VersaClenz Manual Dispenser - White	23.95	10	1-5	<b>21.56</b>
				15	6+	<b>20.36</b>
4339-17	MD10030BC	VersaClenz Manual Dispenser - Black	23.95	10	1-5	<b>21.56</b>
				15	6+	<b>20.36</b>
4339-20	KTS1010	Floor Stand - Standard				<b>91.70</b>
4339-21	KTS1011	Floor Stand - EZ-Change				<b>120.31</b>
4339-22	KTS1012	Floor Stand - Video				<b>315.00</b>
4339-23	LT10015	Instructional Sign				<b>6.87</b>
4339-24	JPP10088	Catch Tray - Black				<b>6.00</b>
4339-25	JPP10091	Catch Tray - Translucent				<b>6.00</b>
4339-26	USP20026	Tabletop Display Stand				<b>19.93</b>

**NEW! Alpet E3 Hand Sanitizer Foam (Best Sanitizers) S**

Alpet E3 Hand Sanitizer Foam hand sanitizer is engineered specifically to meet the tough requirements of the food industry while keeping hands soft and healthy.

- Kills 99.999% of tested pathogens in 15 seconds
- NSF approved E3 classification
- 62% Ethanol formula

Best Suited for:

- Food Processing
- Food Service / Grocery
- Industrial Hygiene



Item No.	Mfr Item No.	Qty	Description	List Price	% Off List	Qty Break	Your Cost
4339-02	SA10040	pack/6	1250 mL cartridges	146.98	20	1	<b>117.58</b>
			Versaclenz			30	2+

**NEW! Alpet E2 Sanitizing Foam Soap (Best Sanitizers) S**

Alpet E2 is an ideal foaming soap for all food processing environments. Engineered with a powerful PCMX formula, Alpet E2 is a highly effective product that yields over 3,150 applications per gallon and over 1,600 applications per 1250 mL cartridge.

- Over 3,150 applications per gallon
- 1.5% PCMX (para-chloro-meta-xylenol) formula
- NSF approved E2 classification
- Kosher certified and Pareve
- Available in four configurations
- Rich, thick foam

Best suited for:

- Food Processing
- Food Service



Item No.	Mfr Item No.	Qty	Description	List Price	% Off List	Qty Break	Your Cost
4339-05	SO10029	pack/6	1250 mL cartridges	91.41	20	1	<b>73.13</b>
			Versaclenz			30	2+



**Consider Placing a Standing Order!**

Many products have quantity discounts. You are often eligible to pay the lowest prices by placing a standing order. Please contact us for all the details.

Cristian Adams  
Key Account Specialist  
[Cadams@weberscientific.com](mailto:Cadams@weberscientific.com)



## Alpet E3 Plus Hand Sanitizer Spray (Best Sanitizers) S

**Kills 99.9999% (LOG6) of 26 Tested Pathogens in 15 Seconds**

Alpet® E3 Plus Hand Sanitizer Spray is an atomized alcohol hand sanitizing formula engineered to meet the requirements of the Food Industry. Alpet E3 Plus meets all current FDA and USDA requirements for hand sanitizers in food handling environments. Alpet E3 Plus is a powerful, yet gentle ethanol-based formula which has been tested and proven effective against 26 pathogens.

- Kills 99.9999% (LOG6) of 26 tested pathogens in 15 seconds
- Meets all FDA (GRAS) and USDA requirements for food handling
- Formulated with moisturizers to keep hands soft and healthy
- Atomized spray saturates nails and cuticles
- NSF registered E3 classification
- Kosher, Pareve and Halal certified
- 71% Ethanol formula

Best Suited For:

- Food Processing / Food Service
- Grocery
- Office Wellness
- Industrial Hygiene



Item No.	Mfr Item No.	Qty	Description	List Price	% Off List	Qty Break	Your Cost
4339-01	SO10039	pack/6	1000 mL cartridges	96.24	20	1	76.99
			Versaclenz		30	2+	67.37



## SoftenSure Hand and Body Moisturizing Lotion (Best Sanitizers) S

Best Sanitizers SoftenSure Hand & Body Lotion helps maintain healthy skin before, during and after work

- Soothing lotion helps maintain skin health
- Great for hands, face & body
- Silicone and lanolin-free
- 1250 mL

Best suited for:

- Food service
- Office wellness
- Industrial hygiene
- Healthcare
- Education
- Municipalities



Item No.	Mfr Item No.	Qty	Description	List Price	% Off List	Qty Break	Your Cost
4339-07	LO10002	pack/6	1250 mL cartridges	197.50	20	1	158.00
			Versaclenz		30	2+	138.25



## SoftenSure Barrier Lotion (Best Sanitizers) S

Best Sanitizers SoftenSure Barrier Lotion helps protect hands from contaminants throughout the day and makes clean up easier.

- Apply before work
- Helps protect skin From contaminants
- Make's clean up easier
- Silicone-free
- 1250 mL

Best suited for:

- Office wellness
- Industrial hygiene
- Healthcare
- Education
- Municipalities



Item No.	Mfr Item No.	Qty	Description	List Price	% Off List	Qty Break	Your Cost
4339-06	LO10001	pack/6	1250 mL cartridges	237.00	20	1	189.60
			Versaclenz		30	2+	165.90



## HACCP Q E2 Sanitizing Liquid Soap (Best Sanitizers) S

HACCP Q E2 is an ideal liquid soap for all food processing environments. Engineered with a powerful Benzalkonium Chloride formula, HACCP Q E2 is 99.999% effective on 26 pathogens, but gentle on hands and skin even with repeated use.

- Kills 99.999% of 26 tested pathogens in 15 seconds
- 0.12% Benzalkonium Chloride (BAC) formula
- Enhances the skin's protective barrier while cleansing at the same time
- pH balanced and formulated with emollients to keep skin healthy
- NSF registered E2 classification
- Available in 2 configurations
- Rich, thick lather

Best Suited for:

- Food Processing
- Food Service / Grocery



Item No.	Mfr Item No.	Description	List Price	% Off List	Qty Break	Your Cost	
4338-26	SO10003	1 gallon bottle	case/4	86.57	20	1	69.26
					30	2+	60.60
4338-27	SO10002	55 Gallon Drum		1036.77	30	1	725.74
					40	2+	622.06
4338-30	KT10011S	Liquid Soap Pump Kit	9.30	10		8.37	
4338-31	USP20105-P	Drum Pump - Plastic	20.95	5		19.90	
4338-32	USP20106-S	Drum Pump - Stainless Steel				134.95	



**Alpet Q E2 Sanitizing Foam Soap**  
(Best Sanitizers)

**Tough on Germs, But Gentle On Hands...  
Even With Repeated Use.**

Alpet® Q E2 is an ideal foaming soap for all food processing environments. Engineered with a powerful Benzalkonium Chloride formula, Alpet Q E2 enhances the skin's protective barrier while cleansing at the same time.

- Over 3,150 applications per gallon
- 0.12% Benzalkonium Chloride (BAC) formula
- Enhances the skin's protective barrier while cleansing at the same time
- pH balanced and formulated with emollients to keep skin healthy
- NSF registered E2 classification
- Kosher, Pareve and Halal certified
- Rich, thick foam
- Available in 250mL, 1250 mL cartridge



Item No.	Mfr Item No.	Qty	Description	List Price	% Off List	Qty Break	Your Cost
4338-33	SO10042	pack/12	250mL Bottle w/pump	153.65	20	1	<b>122.92</b>
					30	2+	<b>107.56</b>
4339-04	SO10036	pack/6	1250 mL cartridges Versaclenz	79.05	20	1	<b>63.24</b>
					30	2+	<b>55.34</b>

**AutoMyst 2 Touchless Hand Sanitizer Dispenser** (Best Sanitizers)

**New and Improved!** Increase compliance and reduce cross-contamination with our newly improved AutoMyst 2 Touchless Dispenser. Improved dual-infrared sensors detect the presence of hands, discharging a pre-measured application of atomized sanitizer. Pre-filled 1-liter bottles fit easily into dispenser for ease of maintenance. Dispenser easily mounts onto wall or stands on counters or desktops for maximum versatility. Recommended in food processing or dairies. Suitable for use with Alpet E3 Plus alcohol hand rinse. Requires Pump Sprayer (#4336-17), Alpet E3 liter size (#4336-11).



Item No.	Mfr Item No.	Description	Your Cost
4336-38	AD10061	Dispenser w/ 4 D-batteries	<b>74.20</b>
4336-40	JPP10090	Optional tray	<b>4.65</b>

**1-2 Knockout Wrist-Activated Dispenser** (Best Sanitizers)

Stainless steel dispenser for wet or dry environments. Recommended in food processing or dairies. One-gallon capacity includes atomizing pump. Suitable for use with Alpet E3 Plus alcohol hand rinse, and can also be used with Alpet D2 Surface Sanitizer to sanitize gloves. Made in the USA.



Item No.	Mfr Item No.	Your Cost
4336-28	MD10006	<b>76.73</b>

**Bacdown® Handsoap** (Decon)

Antibacterial handsoap for life-science laboratory personnel protection. Substantive to skin, protects between washings. Designed for multiple daily use, cleans without drying the skin. Contains nonoxynol-9 for additional skin cleansing power.

Item No.	Qty	Qty Break	Your Cost
4326-10	1 liter dispensing pump jar	1-11	<b>22.42</b>
		Multiples of 12	<b>18.97</b>
4326-20	5 liter	1-3	<b>79.09</b>
		Multiples of 4	<b>66.92</b>



**SoftGuard® Extra Strength Hand Cream**

Cream creates a protective barrier over your skin that helps prevent and relieve the irritation caused by latex chemicals and powders in gloves. Also protects against excess water and harsh soaps. Cream is completely non-greasy, fragrance-free and absorbs immediately. Contains no petrolatum, mineral oils or other ingredients that deteriorate the integrity of latex.



Item No.	Qty	List Price	% Off List	Your Cost
4329-14	3 oz. flip-top tube	8.16	25	<b>6.12</b>
4329-19	16 oz. dispenser pump	25.30	25	<b>18.98</b>

**Lubriderm® Daily Moisture Lotion**

Dermatologist developed for normal to dry skin. Water based formula is fragrance free and has a clean, non-greasy feel. Clinically shown to moisturize for 24 hours.

Item No.	Size	Your Cost
4329-27	16 oz. / 473 mL	<b>10.99</b>



**FREE Samples Are Available**

We carry a sample inventory for all products identified by this symbol. Please contact us to request your free sample.

Wendy Lloyd  
Sales and Marketing Support  
[wllloyd@weberscientific.com](mailto:wllloyd@weberscientific.com)

## Alpet-E3 Plus Alcohol Hand Sanitizer Spray (Best Sanitizers)

**CDC recommends alcohol-based hand rubs to reduce cross contamination**



Alpet-E3 PLUS is a powerful hand sanitizing formula engineered to meet the requirements of the food industries. No rinsing is required before touching food. It's a liquid that's atomized for better coverage, especially around the nails and cuticles.

Alpet-E3 PLUS meets all current FDA and USDA requirements for hand sanitizers in food handling. Ethanol alcohol is known to kill a wide range of gram positive and gram-negative bacteria.

Alpet-E3 PLUS is a 71% ethanol-based formulation which has been tested specifically and proven effective against *Salmonella typhi* and *Staphylococcus aureus*.

*This product is Kosher, Halal Certified and Pareve.*



Item No.	Mfr Item No.	Qty	Comments	List Price	% Off List	Qty Break	Your Cost
 <b>4336-05</b>	SA10013	50 gal.		1411.00	25	1	<b>1058.25</b>
					30	2+	<b>987.70</b>
 <b>4336-08</b>	SA10014	gallon	requires pump kit (#4336-16)	37.55	27	1-3	<b>27.41</b>
					34	4+	<b>24.78</b>
<b>4336-11</b>	SA10012	liter	requires pump sprayer (#4336-17)	16.04	27	1-5	<b>11.71</b>
					30	6-11	<b>11.23</b>
					34	12+	<b>10.59</b>

Item No.	Mfr Item No.	Qty	Comments	Your Cost
<b>4336-16</b>	KT10011	each	pump kit fits gallon bottles, reusable	<b>9.30</b>
<b>4336-17</b>	JPP10007	each	atomizing, metered pump sprayer for liter bottle, reusable	<b>6.20</b>

## EZ Step Foot Activated Hand Sanitizer Dispenser (Best Sanitizers)

**Freestanding or wall-mount models**

Hands-free is recommended in food processing or dairies. Sturdy stainless steel dispenser for wet or dry environments. One-gallon capacity includes atomizing pump. The EZ Step Wall-Mounted Foot Activated Hand Sanitizer Dispenser will accommodate our one gallon bottles of hand sanitizer spray Alpet E3 Plus or Alpet E3 as well as our Alpet E3 Hand Sanitizer Foam, Alpet QE2 Sanitizing Foam Soap, and Alpet E2 Sanitizing Foam Soap, and Alpet D2 Surface Sanitizer Spray for gloves. The EZ Step Portable Foot Activated Hand Sanitizer Dispenser can be used with Alpet E3 Plus Hand Sanitizer Spray, Alpet E3 Hand Sanitizer Spray, and Alpet D2 Surface Sanitizer Spray for gloves. Open channel design for easy washdown. Ships fully assembled. Made in the USA.



Item No.	Mfr Item No.	Description	Your Cost
<b>4336-34</b>	MD10012	freestanding	<b>416.80</b>
<b>4336-31</b>	MD10105	wall-mount	<b>196.13</b>

## AlcoSCRUB® Foam Antiseptic Hand Cleaners (Thermo Scientific)

Specifically manufactured for laboratory workers, AlcoSCRUB Foam is 99.9% effective against a broad spectrum of microorganisms. The foam formula produces an instant lather and contains emollients to soften the skin. The active ingredient is 62% ethyl alcohol. Foam hand cleansers are ideal in situations where soap and water are not available.



Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
<b>4336-80</b>	AlcoSCRUB Foam Instant Antiseptic Hand Cleanser (32 oz, 946 mL foaming bottle w/pump top)	Each	24.87	25	1-7	<b>18.65</b>
				30	8+	<b>17.41</b>
<b>4336-81</b>	Wall bracket for 32 oz foaming bottle	Each				<b>3.53</b>

## AlcoSCRUB® Gel Antiseptic Hand Cleaners (Thermo Scientific)

**CDC hand hygiene guidelines now recommend alcohol-based hand rubs**

Fast-acting antimicrobial gel is designed for use when water is not available to supplement hand washing. Ideal for reducing bacteria counts on the hands prior to putting on gloves and entering an aseptic environment. Gel dries quickly and leaves no sticky residue. Contains the emollients of vitamin E & aloe to help moisturize hands and keep them chapped-free. Formulated with 62% ethyl alcohol and is highly effective against a broad spectrum of microorganisms.



Item No.	Description	List Price	% Off List	Qty Break	Your Cost
<b>4336-50</b>	4 oz (118 mL) flip-top bottle	12.65	65	1-23	<b>4.43</b>
			75	multiples of 24	<b>3.16</b>
<b>4336-55</b>	16 oz (473 mL) pump bottle	17.24	45	1-11	<b>9.48</b>
			50	12+	<b>8.62</b>
<b>4336-60</b>	32 oz (969 mL) pump bottle	25.93	54	1-11	<b>11.93</b>
			58	12+	<b>10.89</b>
<b>4336-61</b>	AlcoSCRUB Antiseptic Hand Cleanser (27 oz, 800 mL bag-in-a-box)	17.75	40	1-11	<b>10.65</b>
			50	12+	<b>8.88</b>
<b>4336-62</b>	Dispenser for 27 oz bag-in-a-box	27.07	44		<b>15.16</b>

### ACCESSORIES: FOR HAND-CARE



Disposable Gloves see pages 138-143.



## No-Rinse Surface Sanitizing Wipes (Sani-Professional)

**Eco-Pak® packaging for hassle-free dispensing and less waste**

- Effectively sanitizes hard, non-porous food contact and food preparation surfaces
- FDA Food Code Compliant
- USEPA registered and approved (#9480-7).
- Consistently deliver an average of 175 ppm of quat sanitizing solution
- Kills Staphylococcus aureus, E. coli and Shigella boydii in 60 seconds
- Just wipe and let dry – single wipe has been tested to be effective over an approximately 4-square foot area
- Eliminate airborne food contamination hazards associated with sprays
- Controls cross contamination
- Convenient where water use is limited

Item No.	Mfr Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
4337-35	M924SH	pack/100	9.60	20	1-8	7.68
				30	multiples of 9	6.72

## Alpet D2 Surface Sanitizing Wipes (Best Sanitizers)

**Just pull, wipe and toss – no rinsing required**

Alpet D2 Surface Sanitizing Wipes are a ready-to-use, no-rinse surface sanitizer combined with a durable wipe that kills 99.999% of bacteria in 60 seconds (tested on Staphylococcus aureus and E coli). The wipes also eliminate airborne food contamination hazards associated with the use of sprays. The highly durable, lint-free towels come in two sizes; the extra heavy duty towel measures 10 x 7.5 inches and the standard duty towel measures 9.5 x 7.2 inches. The wipes meet previously accepted USDA and current NSF D2 criteria as a no-rinse sanitizer and EPA Reg. No. 73232-2. They are kosher and pareve certified. The canister has a spring-loaded flip-top that prevents the towels inside from drying out.



Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
4337-29	Extra heavy duty wipes in dispensing canister	90 wipes	21.81	20	1-5	17.45
				30	multi. of 6	15.27
4337-31	Standard wipes in dispensing canister	160 wipes	21.81	23	1-5	16.79
				33	multi. of 6	14.61
4337-32	Lockable wall bracket for canister					18.60

## Sani-Wipe® FCS (Sani-Professional)

**Wipe away bacteria with no rinsing on food contact surfaces**

- Effectively sanitizes hard, non-porous food contact and food preparation surfaces.
- Kills Staphylococcus aureus, Escherichia coli and Shigella boydii in 60 seconds.
- Controls cross contamination.
- FDA Food Code Compliant and USEPA registered and approved (#9480-7-1677).
- Convenient where water use is limited.



The active ingredients are a single quaternary ammonium compound and isopropyl alcohol. Since each ready-to-use wipe delivers 175 ppm of quat there is no rinsing required - just wipe and let dry. A single wipe has been tested to be effective over an approximately 4-square foot area. Eliminates airborne food contamination hazards associated with sprays.

**Wipe Size:** 7.75" x 10.5" / 197 x 267 mm

Item No.	Mfr Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
4337-30	Q94384	Sani-Wipe	100 per canister	10.80	20	1-5	8.64
					30	multi. of 6	7.56
4337-40	P010801	3-in-1 Sani-Bracket®	each				21.85

## Alcohol, Iso-Propyl, 70% (2-Propanol)

70% solution (v/v). Widely used for effective disinfecting.



Item No.	Qty	Your Cost
4113-20	gallon	26.56
4113-25	20 liter	93.50
4113-26	55 gallon	625.00

## Adjustable Spray Bottle

Lab grade bottles feature a trigger-motion spray that dispenses a spray or stream of liquid from an adjustable nozzle. Translucent high-density polyethylene. 28-400 neck size.



Item No.	Capacity, oz./mL	List Price	% Off List	Qty Break	Your Cost
4113-70	16 / 480	8.88	56	1-5	3.91
			60	Multiples of 6	3.55
4113-73	22 / 660	11.10	56	1-3	4.88
			60	Multiples of 4	4.44
4113-76	32 / 960	10.63	56	1-11	4.68
			60	Multiples of 12	4.25

### ACCESSORIES: FOR SANITIZATION



Alcohol Wipes see page 195.  
Bleach Wipes see page 166.



## Disinfectant Mat Sanitizing Foot Bath

Highly recommended at the entrance of all dairy and food processing areas, receiving rooms, laboratories—anywhere you want to limit the spread of contamination. Rubber fingers scrub shoe soles allowing contaminants to settle to the bottom undisturbed, while the shoe contacts clean solution only. Heavyweight mat stays put and solid rubber side-walls will not sag. This is an industrial quality mat! New larger size can cover more of boot and is more effective on slanted surfaces.

Item No.	Size	Description	Your Cost
4330-20	24" X 32" X 1/2"	standard rubber; 1 gal capacity	49.92
4330-22	24" X 32" X 7/8"	chlorine resistant rubber	94.47
4330-25	7" X 10"	fiberglass sign, "Notice: Use Footbath to Ensure Product Safety"	23.78
4330-38	32" X 39" X 2"	chlorine resistant rubber	210.19
4330-40	32" X 39" X 2 1/2"	standard rubber; 5.5 gal capacity	115.36

## QAC - Quaternary Ammonia Compound

Preferred solution for sanitizing.

Item No.	Qty	Your Cost
4330-50	gallon	34.45

## Labmat™ Protective Covering (Bel-Art Scienceware)

Simplifies clean-up and safeguards work surfaces from stains, spills and wear. Non-skid flexible polyethylene film backing prevents soak-through of most solutions, while the highly absorbent upper surface traps water, dyes and corrosive chemicals. 20" wide X 50' in handy dispenser carton.



Item No.	List Price	% Off List	Your Cost
4334-70	63.10	20	50.48

**FIND IT AT WEBERSCIENTIFIC.COM**

• *Anti-fatigue Floor Mats*

## Dry Step Sodium Percarbonate Floor Treatment (Best Sanitizers)

The formula for Dry Step Sodium Percarbonate Floor Treatment is the first granular floor treatment that combines alkalinity and multiple oxidizing compounds for superior performance. When activated, this product generates hydrogen peroxide and oxygen. This product's alkalinity and accelerants greatly increase chemical activity and oxygen-release rate. Surfactants ensure that this product will penetrate into all cracks, crevices, and porous surfaces where conventional floor treatments do not.

Use as:

- Floor Treatment
- Drain Treatment
- Entryway Treatment



Item No.	Mfr Item No.	Description	Dimensions L x W x H	List Price	% Off List	Qty Break	Your Cost
4337-73	DS10001	100 lb Drum	15x15x26	400.00	10	1	360.00
					15	2+	340.00
4337-74	DS10002	400 lb Drum	22x22x33	1495.00	10	1	1345.50
					15	2+	1270.75

## Alpet® Quat Sanitizer S (Best Sanitizers)

Alpet Quat Sanitizer is a dilutable sanitizer for food contact and non-food contact surfaces. With an NSF registered D2 classification, this product is an effective drain sanitizer and rubber footwear sanitizer.

- Dilutable, no-rinse surface sanitizer for food and non-food contact surfaces
- Broad spectrum, dual quat for superior efficacy
- Sanitizes pre-cleaned food contact surfaces in 60 seconds and non-food contact surfaces in 30 seconds
- Disinfects in 10 minutes
- Effective footwear sanitizer
- Effective drain sanitizer
- NSF registered D2 classification
- EPA registered
- Kosher certified and Pareve



Item No.	Mfr Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
4337-20	SS10020	50 gal	582.50	12	1	512.60
				22	2+	454.35
4337-21	SS10019	5 gal Pail	74.25	11	1-2	66.08
				21	3+	58.66
4337-22	SS10018	4x 1 gal	69.75	12	1-3	61.38
				22	4+	54.41



**HACCP SmartStep™ Footwear Sanitizing System**  
(Best Sanitizers)

**Effective decontamination of footwear soles**



The new HACCP SmartStep™ Footwear Sanitizing System adds an additional layer of pathogen protection for food processing facilities, nutraceutical plants, pharmaceutical plants, clinical research labs and clean rooms by reducing cross-contamination from footwear before employees enter the production area or other critical control zones.

- This foot-operated footwear sanitizing unit uses compressed air to deliver an atomized spray of Alpet D2 Surface Sanitizer onto footwear soles
- This spray provides ample coverage to footwear soles, yet uses only 0.2

- ounces of chemical which minimizes chemical waste and improves moisture control
- Sanitizing unit and handle mount to the floor to provide a safe and secure hand hold when using the SmartStep
- Collection basin is easily accessed for cleaning
- The HACCP SmartStep System is expandable and can grow as your plant's needs grow.

**HACCP SmartStep with Handle**

Sanitizing unit and handle mount to the floor to provide a safe and secure hand hold when using the SmartStep.

**HACCP SmartStep with Boot Scrubber and Handle**

Add the optional scrubber and handle to create a very efficient and very effective tool in the fight against cross-contamination from footwear.

*Alpet D2 Surface Sanitizer 5 gallon pail (4337-09) and empty 2.5 gallon secondary pail for refill from bulk (4337-11) are both sold separately.*



4336-83

4336-84

Item No.	Description	List Price	% Off		Qty	Your Cost
			List	Break		
4336-82	SmartStep Sanitizing Unit	1590.00	10	1-4	1	<b>1431.00</b>
			15	5+		<b>1351.50</b>
4336-83	SmartStep Sanitizing Unit with Handle	2350.00	10	1-4	1	<b>2115.00</b>
			15	5+		<b>1997.50</b>
4336-84	SmartStep Sanitizing Unit with Boot Scrubber and Handle	3300.00	10	1	1	<b>2970.00</b>
			15	2+		<b>2805.00</b>
4336-85	SmartStep Boot Scrubber with Handle	1710.00	10	1-4	1	<b>1539.00</b>
			15	5+		<b>1453.50</b>

**Alpet D2 Surface Sanitizer, for Food Contact Surfaces** (Best Sanitizers)



Alpet D2 is a ready-to-use, no-rinse alcohol/quat sanitizer for food contact surfaces and disinfectant for non-food contact surfaces.

**Benefits include:**

- 58% IPA/quat formula
- Kills 99.999% of 9 tested pathogens as a food contact surface sanitizer, including Escherichia coli and E.coli O157:H7, Salmonella enterica serotype Choleraesuis and Salmonella typhimurium, Listeria monocytogenes and Pseudomonas aeruginosa
- NSF listed and Environmental Protection Agency registered
- Kosher, Pareve and Halal Certified
- 5 minute disinfectant



Item No.	Mfr Item No.	Qty	Description	List Price	% Off List	Qty Break	Your Cost
4337-05	SS10001	50 gal.	drum	973.80	26	1	<b>720.61</b>
					35	2+	<b>632.97</b>
4337-10	SS10002	5 gal.	tote with spigot	148.50	26	1-2	<b>109.89</b>
					35	3+	<b>96.53</b>
4337-09	SS10002-BSS	5 gal.	Pail with hose	158.76	26	1	<b>117.48</b>
					35	2+	<b>103.19</b>
4337-11	SS20001	2.5 gal.	secondary empty pail for refill from bulk				<b>82.00</b>
4337-15	SS10003	quart	complete with trigger sprayer	12.38	18	1-11	<b>10.15</b>
					28	12+	<b>8.91</b>
4337-17	SS10004	---	secondary empty quart bottle with trigger sprayer				<b>3.43</b>
4337-75	SS10006	---	secondary empty pump-up sprayer, 1 gallon				<b>50.20</b>

**SOAKING SOLUTION**


## Compare to Contrad® 70

### WeberClean™ Concentrated Soaking Solution

Removes virtually any contaminant from every surface – even dried proteins. Works by soaking alone, with no need to scrub. WeberClean is totally rinsable and leaves no residue. It is phosphate and chlorine-free, and is biodegradable — used solutions may be disposed straight to drain.

Typically, a 2 – 5% solution is completely effective in soaking all labware 100% clean. WeberClean is stable to the addition of bleach to create an effective cleaner/sanitizer mix.

In addition to general labware cleaning, following are some examples of other common applications:

- Pipet soaking
- Radioactive decontamination
- Replaces chromic acid, solvents and caustics
- Food plant and equipment – USDA Approved
- Pharmaceuticals and biotechnology plant and equipment


WeberClean is an emulsion of anionic and nonionic surface active agents in an alkaline aqueous base. It is a very effective solution and is a super value.

Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
4335-10	1 gallon	86.51	31	1-3	<b>59.69</b>
			34	Multiples of 4	<b>57.10</b>



## Contrad® 70 Liquid Soaking Solution (Decon)

Concentrated. Phosphate free solutions are totally biodegradable, and work by soaking alone, **needing no manual scrubbing**. Totally rinseable — leaves no residue.

Item No.	Qty	Your Cost
4325-36	1 liter	<b>21.66</b>
4325-38 	5 liter	<b>80.16</b>

## Alcotabs® Cleaning Compound (Alconox)

Cleans pipets and test tubes in siphon-type washers. Easy procedure: drop tablet into the rinser and place holder with pipets into rinser. Alcotabs will dissolve (in cold or warm water) and effervesce, producing a detergent solution that passes up and down through the bores and around the pipets. Rinsing automatically follows after the tablet has dissolved. Pack of 100 tablets.



Item No.	List Price	% Off List	Qty Break	Your Cost
4325-28	37.50	25	1-5	<b>28.13</b>
		30	6+	<b>26.25</b>

## MICRO-90™ Liquid Cleaner (International Products)

### Soaking solution

An economical unique broad spectrum cleaner that lifts and emulsifies oils and greases. It disperses and holds small particles in suspension. Strongly concentrated: a 2% solution is recommended for most cleaning applications.

### Recommended for the dairy and food laboratory!

Some culture media get baked on flasks in the incubation process... MICRO-90 soaks them clean. Soak lab glassware with a 2% solution when soiled. Greases and food residues come off the next morning when glassware is rinsed. Use MICRO-90 for pipet washing. Pipets go into a 2% solution immediately after use, then are rinsed in a siphon rinser. All fats and proteinaceous materials are removed. **100% clean.**

A chemical analysis for residues of MICRO-90, with a limit of detection of 10 ppm, detected **no** MICRO-90 residues. Also, X-ray activation analysis of surfaces cleaned with MICRO-90 indicate that less than one third of a monolayer of MICRO-90 is left on Pyrex® glass after 4 rinses.

**No toxicity or inhibitory characteristics.** As tested in accordance with the Inhibitory Residue Test, *Standard Methods for the Examination of Water and Wastewater*. **Cleans safely.** Very low toxicity, skin irritation and eye irritation. Rated non-hazardous. Non-polluting.



Item No.	Qty	List Price	% Off List	Your Cost
4320-15	liter	24.40	34	<b>16.10</b>
4320-25	4 liter	80.50	36	<b>51.52</b>
4320-30	5 gallon	255.95	16	<b>215.00</b>

**SOAKING SOLUTION**

**Soaking Non-Corrosive Enzyme Active Cleaner (Hameo-Sol)**

*Use when immediate cleaning is not possible.*

Enzymes in this product digest and break down protein-based wastes, degrade oils, eliminate bioburden, and destroy biofilm. Designed to be applied in situations where items are not cleaned immediately after use or are left to sit for long periods of time. Effective for all hand and ultrasonic cleaning

- Concentrated. Recommended Use: ½ ounce (14 grams) to 1 gallon (3.79 liters) of water as a mix ratio
- Makes 160 gallons of solution
- Contains both non-ionic and anionic surfactants.



Item No.	Mfr Item No.	Qty
4320-41	026-055	5 lb.

Item No.	List Price	% Off List	Qty Break	Your Cost
4320-41	37.43	25	1-5	28.07
		35	Multiples of 6	24.33

**Citranox® Liquid Acid Detergent (Alconox)**

*For hand washing or soaking – removes milk stone!*

Phosphate free, concentrated cleaner and metal brightener for high performance removal of metal oxides, scale, salts and inorganic residues in manual and ultrasonic cleaning. Corrosion inhibited and free rinsing for reliable results and no interfering residues. Ideal for trace metal analysis. USDA authorized. Dilute 2:100. pH 2.5



Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
4325-12	Quart / 946 mL	18.70	25	1-11	14.03
			30	Multiples of 12	13.09
4325-16	Gallon / 3.87 L	59.10	25	1-3	44.33
			30	Multiples of 4	41.37

**HAND WASHING**

**Hand-Wash Cleaner (Hameo-Sol)**

*All purpose detergent, aqueous cleaner for immediate cleaning*

Designed to work in soak- and rinse-type cleaning applications, as well as ultrasonic cleaners. Removes waxes, oils, grease, bioburden, organic wastes, and other contaminants.

- Soluble; no scrub
- Concentrated. Recommended Use: ½ ounce (14 grams) to 1 gallon (3.79 liters) of water as a mix ratio.
- Makes 160 gallons of solution



Item No.	Mfr Item No.	Qty
4320-35	026-050	5 lb.

Item No.	List Price	% Off List	Qty Break	Your Cost
4320-35	31.01	25	1-5	23.26
		35	Multiples of 6	20.16

**Hand-Wash Non-Phosphate Cleaner (Hameo-Sol)**

*Environmentally Friendly*

This non-toxic and biodegradable cleaner is particularly effective in hand washing, as well as in soak- and rinse-type situations.

- Concentrated. Recommended Use: ½ ounce (14 grams) to 1 gallon (3.79 liters) of water as a mix ratio.
- Makes 160 gallons of solution
- Contains an anionic surfactant.



Item No.	Mfr Item No.	Qty
4320-44	026-058	5 lb.

Item No.	List Price	% Off List	Qty Break	Your Cost
4320-44	27.45	25	1-5	20.59
		35	Multiples of 6	17.84



**Neutrad® Liquid Detergent (Decon)**

*For hand washing*

Specifically designed for safe and effective handwashing labware. Features a neutral pH. Highly concentrated: only 1% solutions needed. Totally rinseable, biodegradable and completely non-corrosive.

Item No.	Qty	Your Cost
4325-70	5 liter	69.55
4325-75	20 liter	235.38



**Liquinox® Liquid Detergent (Alconox)**

*For hand washing*

Formulated for spotless cleaning of laboratory glassware, metals, rubber, plastic and hard-surface materials. Phosphate free liquid is fast wetting, high foaming and mild (pH 8-8.6).

Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
4325-40	quart	22.90	25	1-11	17.18
			30	Multiples of 12	16.03
4325-50	gallon	72.60	25	1-3	54.45
			30	Multiples of 4	50.82

## HAND WASHING

### Tergazyme® Enzyme Active Powdered Detergent (Alconox)

#### For hand washing

Concentrated, biodegradable and readily disposable. Used to remove dairy proteins, soil, grit, grime, grease, fats, and oils and solvents, among others. It can potentially replace corrosive acids and hazardous solvents. Free rinsing for reliable results and no interfering residues. Foaming formulation is not for machine use. Often used to pass your cleaning validation tests for lab accreditation and plant inspection approval. Authorized by USDA for use in federally inspected meat and poultry plants. Passes inhibitory residue test for water analysis.



Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
4325-80	4 lb.	40.40	25	1-8	<b>30.30</b>
			30	multiples of 9	<b>28.28</b>
4325-82	25 lb.	190.00	10	1-2	<b>171.00</b>
			15	3+	<b>161.50</b>

### Detergent Powder (Alconox)

#### For hand washing

Can be used in hot or cold and hard or soft water. Biodegradable, odorless, colorless and mild (pH 9-9.5). Completely soluble and leaves no residue after proper rinsing. Special formulation removes fats. For manual use.



Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
4325-10	4 lb.	37.70	25	1-8	<b>28.28</b>
			30	multi. of 9	<b>26.39</b>
4325-20	25 lb.	192.00	10	1	<b>172.80</b>
			15	2+	<b>163.20</b>

## DISHWASHER

### Dishwasher Non-Sudsing Detergent (Hameo-Sol)

#### Absolutely residue free

Mechanical washers need a cleaning agent that will not create foam even under the most extreme conditions. This non-sudsing cleaner combines the same complete cleaning action, haemo-digestive capacity, and excellent rinse characteristics without the suds. It is specially formulated to meet the cleaning needs required by the short wash cycles in modern washers.

- Concentrated. Recommended use: 1 ounce (28 grams) to 5 gallons (18.93 liters) of water as a mix ratio.
- Makes approximately 400 gallons of solution.
- Contains a non-ionic surfactant.



Item No.	Mfr Item No.	Qty
4320-38	026-051	5 lb.

Item No.	List Price	% Off List	Qty Break	Your Cost
4320-38	34.20	25	1-5	<b>25.65</b>
		35	Multiples of 6	<b>22.23</b>

### Dri-Contrad® Dishwasher Powder Detergent (Decon)

Highly effective. Non-foaming formulation for automatic labware washing machines. Offers total clean-up of proteins and most stubborn contaminants both organic and inorganic. Rapidly soluble: will not cake in the dispenser, nor leave "gritty" deposits on cleaned surfaces. Totally rinseable and chlorinated to minimize biohazard. Non-corrosive. Highly concentrated.



Item No.	Qty	Your Cost
4325-30	2 kg	<b>31.80</b>
4325-34	5 kg	<b>69.00</b>

### Alcojet® Dishwasher Powder Detergent (Alconox)

Lubricating formula to protect the metal parts of mechanical washers. The high sequestering and wetting power make it extremely effective in removing difficult soils (pH 10.6 - 10.8).



Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
4325-24	4 lb.	35.20	25	1-8	<b>26.40</b>
			30	multiples of 9	<b>24.64</b>
4325-26	25 lb.	176.00	10	1-2	<b>158.40</b>
			15	3+	<b>149.60</b>



### Everyday Low Prices

When you do business with Weber Scientific you'll find high quality at our legendary Everyday Low Prices. We make doing business easy.

Dwuana Brown,  
Customer Service Supervisor  
[dbrown@weberscientific.com](mailto:dbrown@weberscientific.com)



## Kimwipes® (Kimberly Clark)

Lint-free laboratory tissues in dispenser box.



Item No.	Sheet size	Sheets per box	Qty	List Price	% Off List	Qty Break	Your Cost
3066-05	4 1/2" X 8 1/2"	280	case/60	372.11	58	1-2	<b>156.29</b>
			boxes		64	3+	<b>133.96</b>
3066-15	15" X 17"	140	case/15	240.50	40	1-2	<b>144.30</b>
			boxes		48	3+	<b>125.06</b>

## Multiwipes™

Generic equivalent to Kimwipes®.

Item No.	Sheet size	Sheets per box	Qty	Qty Break	Your Cost
3066-11	4 1/2" X 8 1/2"	280	each		<b>2.67</b>
3066-22	15 1/4" X 16"	140	each	1-14	<b>7.76</b>
				Multiples of 15	<b>6.88</b>

## Alcohol Wipes (Covidien)

Prep pads of surgically pure cotton felt saturated with 70% isopropyl alcohol. Sterile pads are prepackaged in individually sealed, foil laminated packets.

Item No.	Qty	Qty Break	Your Cost
4350-20	Case/4000	1	<b>65.00</b>
		2+	<b>43.33</b>



## WypAll® L30 Wipers (Kimberly Clark®)

WypAll Wipers L30 features double re-creping (DRC) technology, which gives them high surface softness and a reinforced grid for strength. Soft enough for personal use on hands and skin (natural rubber latex free), strong enough for wet surface wiping and cleaning.



- 11"W x 10"L sheets
- 120 wipers per pack, 10 packs per case
- General purpose use for glass, metal, plastic, and stainless steel
- Wipers contain a special lintguard polyshield for maximum performance
- Dry wipes remove soils & liquids from face & hands

Item No.	Sheet size	Sheets per box	Qty	Your Cost
4337-03	11" X 10"	120	case/10 boxes	<b>53.24</b>

## Kimwipes® or Multiwipes Holder (Heathrow Scientific)

Small or large clear acrylic holders. Either can be mounted on a bench or wall. The small version attaches with double back tape and the larger version with screws. The mounting materials are included.



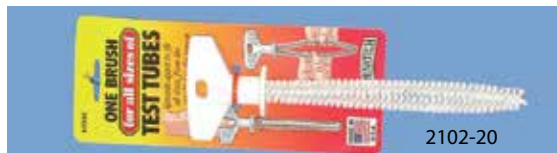
Item No.	Size	List Price	% Off List	Your Cost
3066-30	small	22.49	42	<b>13.04</b>
3066-31	large	29.01	15	<b>24.66</b>



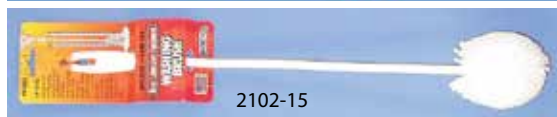
2102-06



2102-12



2102-20



2102-15



2102-07

## Foam Laboratory Brushes (BrushTech)

Specifically designed for washing laboratory glass and plasticware. Special formula foam does not absorb water and will not become soggy or limp. These brushes will not scratch, chip, break or mar your labware. They are claimed to last 10 times longer than traditional brushes. Available individually.

Item No.	Total Length	Description	List Price	% Off List	Qty Break	Your Cost
2102-06	16"	bendable brush for flasks and small cylinders	7.99	30	1-11	<b>5.59</b>
				39	12+	<b>4.87</b>
2102-12	10"	short handle brush for beakers	7.49	30	1-11	<b>5.24</b>
				39	12+	<b>4.57</b>
2102-15	19"	long handle brush for large cylinders	8.49	30	1-11	<b>5.94</b>
				39	12+	<b>5.18</b>

## Extra Strong Lab Brush (BrushTech)

- For trays, baths or pans
- Non-abrasive – won't scratch plastic or painted surfaces
- 14.25" (362 mm) handle
- 3" X 3" (76 mm) brush

Item No.	List Price	% Off List	Qty Break	Your Cost
2102-07	8.49	30	1-11	<b>5.94</b>
		39	12+	<b>5.18</b>

## Test Tube Brush, Adjustable

Stiff-bristle brush cleverly adjusts to fit most size tubes. 8 1/2" total length.

Item No.	List Price	% Off List	Qty Break	Your Cost
2102-20	5.49	30	1-11	<b>3.84</b>
		39	12+	<b>3.35</b>

### ACCESSORIES: FOR WIPES



70% Iso-Propyl Alcohol see page 189.

## Tri-Zone™ Color-Coded Brush Program (Carlisle)

The proper selection, use and care of brushes is a critical element of a well organized and properly implemented sanitation program.

The FDA calls for the segregation of brushes to avoid cross contamination. Separate brushes should be used for internal and external surfaces and restricted to their particular zone.

Color coding helps keep brushes where they are used, doing only the jobs they are meant to do. By preventing brushes from traveling from one plant area to another, or from one cleaning job to another, the transmission of bacteria can be controlled.

We feel the Tri-Zone™ from Sparta Brush is a superior program:

RED bristle for raw contact areas.

WHITE bristle for pasteurization areas and all food contact areas.

YELLOW bristle for environmental clean-up of non-food-contact surfaces.

BLACK bristle for floor drain only.

All plastic blocks, bristles, handles and racks do not absorb moisture or provide a breeding area for bacteria.

**The Tri-Zone™ should be set-up as a complete program:** select the right brush for the right job and store on their own color-coded rack.

### TRI-ZONE BRUSHES

ITEM No.		Color	List Price	% Off List	Your Cost
<b>S45</b>	Hercules Brush - pistol-grip all purpose, nylon bristles	White	21.44	25	<b>16.08</b>
<b>S2045</b>	Hercules Brush with 20" long handle, nylon bristles	White	21.20	25	<b>15.90</b>
<b>S10053</b>	Floater - 8" handle, poly bristles	Red	11.78	25	<b>8.84</b>
<b>SH53</b>		White	11.78	25	<b>8.84</b>
<b>S30053</b>		Yellow	11.78	25	<b>8.84</b>
<b>S12053</b>	Floater with 20" long handle, poly bristles	Red	18.00	25	<b>13.50</b>
<b>SH2053</b>		White	18.00	25	<b>13.50</b>
<b>S32053</b>		Yellow	18.00	25	<b>13.50</b>
<b>S355</b>	Tank Brush - "Bowl Shape"*	White	58.69	25	<b>44.02</b>
<b>S10356</b>	Tank & Kettle Brush - Large *	Red	47.16	25	<b>35.37</b>
<b>S356PB</b>		White	51.16	25	<b>38.37</b>
<b>S30356</b>		Yellow	47.16	25	<b>35.37</b>
<b>S10358</b>	Tank & Kettle Brush - Regular *	Red	39.84	25	<b>29.88</b>
<b>S358PB</b>		White	44.51	25	<b>33.38</b>
<b>S30358</b>		Yellow	39.84	25	<b>29.88</b>
<b>S11010</b>	Chute & Valve Brush - Large	Red	18.20	25	<b>13.65</b>
<b>S1010</b>		White	18.20	25	<b>13.65</b>
<b>S31010</b>		Yellow	18.20	25	<b>13.65</b>
<b>S12050</b>	Chute & Valve Brush - Small	Red	14.80	25	<b>11.10</b>
<b>S2050</b>		White	14.80	25	<b>11.10</b>
<b>S32050</b>		Yellow	14.80	25	<b>11.10</b>
<b>S337B-1</b>	Elbow Brush, 1"	White	10.96	25	<b>8.22</b>
<b>S10337B-15</b>	Elbow Brush, 1 1/2"	Red	11.71	25	<b>8.78</b>
<b>S337B-15</b>		White	11.71	25	<b>8.78</b>
<b>S10337B-2</b>	Elbow Brush, 2"	Red	12.69	25	<b>9.52</b>
<b>S337B-3</b>	Elbow Brush, 3"	White	16.31	25	<b>12.23</b>
<b>S337S-1</b>	Valve Fitting Brush, 1"	White	10.87	25	<b>8.15</b>
<b>S337S-15</b>	Valve Fitting Brush, 1 1/2"	White	11.67	25	<b>8.75</b>
<b>S337S-2</b>	Valve Fitting Brush, 2"	White	13.42	25	<b>10.07</b>
<b>S337S-25</b>	Valve Fitting Brush, 2 1/2"	White	15.02	25	<b>11.27</b>
<b>S337S-3</b>	Valve Fitting Brush, 3"	White	15.36	25	<b>11.52</b>
<b>S29</b>	Valve Outlet Brush	White	7.42	25	<b>5.57</b>
<b>S438</b>	Double-End Plug, Valve & Fitting Brush	White	56.18	25	<b>42.14</b>
<b>S30027</b>	Outside CIP Brush (fiberglass handle sold separate)	Yellow	37.29	25	<b>27.97</b>
<b>S30026</b>	Hook CIP Brush (fiberglass handle sold separate)	Yellow	14.53	25	<b>10.90</b>
<b>S38X</b>	Hi-Low Floor Scrub (fiberglass handle sold separate)	Yellow	19.24	25	<b>14.43</b>
<b>S30777</b>	Wall Brush (fiberglass handle sold separate)	Yellow	27.96	25	<b>20.97</b>
<b>S4127804</b>	NEW! NYLEX Wall & Equipment Brush 10"	Yellow	30.58	25	<b>22.94</b>
<b>S10465</b>	Rack	Red	20.47	25	<b>15.35</b>
<b>S465</b>		Aluminum	20.47	25	<b>15.35</b>
<b>S30465</b>		Yellow	20.47	25	<b>15.35</b>

\*Plastic handle sold separate



### Consider Placing a Standing Order!

Many products have quantity discounts. You are often eligible to pay the lowest prices by placing a standing order. Please contact us for all the details.

Rita Ader  
Lead Customer Service Representative  
800-328-8378  
rader@weberscientific.com



RED: From left to right; Chute and Valve (small), Hercules, Valve Outlet, Valve Fitting, Chute and Valve (large).



WHITE: From right to left; Chute and Valve (small), Valve Fitting, Hercules 20" long handle, Chute and Valve (large), Floater 20" long handle, Hercules, Valve Outlet.



YELLOW: From left to right; Chute and Valve (large), Chute and Valve (small), Floater, Hercules 20" long handle, Hercules.

## HANDLES

ITEM No.	Color	List Price	% Off List	Your Cost
Plastic, threaded for regular or large tank brush				
S02136T	36" White	19.93	25	14.95
S02148T	48" White	23.87	25	17.90
S02154T	54" White	24.67	25	18.50
S02160T	60" White	26.84	25	20.13
42" Handle for Tank Brush - "Bowl Shape" Fiberglass, 60"				
S10016	Red	22.29	25	16.72
S016	White	22.29	25	16.72
S30016	Yellow	22.29	25	16.72
Fiberglass Telescoping, 8'				
S100148	Red	48.31	25	36.23
S0148	White	48.31	25	36.23
S300148	Yellow	48.31	25	36.23

## FLOOR-DRAIN BRUSHES

ITEM No.	COLOR	List Price	% Off List	Your Cost
Floor Drain Brush (handle sold separate)				
S4393	3" Black	24.04	25	18.03
S4394	4" Black	25.24	25	18.93
S4395	5" Black	26.31	25	19.73
S4396	6" Black	27.47	25	20.60
Handle for Floor Drain Brush,				
S03136	36" Black	25.02	25	18.77
S03148	48" Black	29.64	25	22.23
S03160	60" Black	36.40	25	27.30
S465B	Rack Black	19.64	25	14.73

## Dairy Filler Brush (Carlisle)

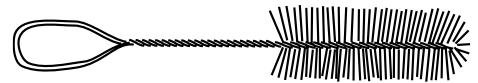
Specifically designed to clean the vent tubes of Federal and Fogg filling machines. Features two different bristle diameters for maximum cleaning. Plastic tubing covers the exposed wire handle to eliminate scratching. Dimensions of the two brush parts: 7 3/4" X 13/32"; 4 1/4" X 5/8". Overall length: 25".



Item No.	List Price	% Off List	Your Cost
S105	10.78	25	8.09

## Cylinder Brushes

Made of black bristle for extended durability. Heavy gauge galvanized wire shaft is extended to form the loop handle.



Item No.	Length X Dia., Inches	Total Length Inches	List Price	% Off List	Qty Break	Your Cost
2105-30	5 X 2	13	6.25	20	1-11	5.00
				25	12+	4.69
2105-33	5 X 2	15	8.10	20	1-11	6.48
				25	12+	6.08
2105-36	6 X 2-3/8	20	11.67	20	1-11	9.34
				25	12+	8.75

## Flask Brush

Made of white unbleached hog bristle which is part of a plastic handle. Brush is mounted on a spring wire which is mounted on a flat wire. Heavy duty black enamel handle. 16" total length. Bristle part is 4" X 1-1/2".






Item No.	List Price	% Off List	Your Cost
2105-10	29.77	15	25.30



## ECONOMY POCKET DIAL THERMOMETERS

An economical way to include everyone in critical temperature monitoring. High quality inspection thermometers at an affordable price. Perfect for most food and beverage quality control applications.

Bi-metal pocket dial thermometers with protective carrying case. 1" dial, easy-to-read, with exclusive magnifying polycarbonate lens; Rugged stainless steel construction; +1% accuracy over total range; Plastic pocket case with clip can also be used as a handle.

Item No.	Range	Grad.	List Price	% Off List	Qty Break	Your Cost
3028-09 	-40 to 160°F	2°	20.00	66	1-24	<b>6.80</b>
				72	25-47	<b>5.60</b>
				77	48-99	<b>4.60</b>
				82	100+	<b>3.60</b>
3028-10 	25 to 125°F	2°	20.00	66	1-24	<b>6.80</b>
				72	25-47	<b>5.60</b>
				77	48-99	<b>4.60</b>
				82	100+	<b>3.60</b>
3028-13	25 to 125°F	1°	20.00	66	1-24	<b>6.80</b>
				72	25-47	<b>5.60</b>
				77	48-99	<b>4.60</b>
				82	100+	<b>3.60</b>
3028-17 	0 to 220°F	2°	20.00	66	1-24	<b>6.80</b>
				72	25-47	<b>5.60</b>
				77	48-99	<b>4.60</b>
				82	100+	<b>3.60</b>
3028-18	-40 to 70°C	1°	20.00	66	1-24	<b>6.80</b>
				72	25-47	<b>5.60</b>
				77	48-99	<b>4.60</b>
				82	100+	<b>3.60</b>



3030-49



3028-20

### 1" Pocket Dial Thermometer (Thermco)

Features stainless steel construction and lexan plastic crystal. Simple hex-nut calibration. Accurate to 1% over entire range. 5" stem with plastic clip case.

Item No.	Range	Grad.	List Price	% Off List	Qty Break	Your Cost
3028-11	-10 to 110°C	2°	25.95	56	1-24	<b>11.42</b>
				66	25+	<b>8.82</b>
3030-37	-40 to 70°C	1°	25.95	56	1-24	<b>11.42</b>
				66	25+	<b>8.82</b>
3030-40	0 to 120°F	2°	25.95	56	1-24	<b>11.42</b>
				66	25+	<b>8.82</b>
3030-43	-40 to 160°F	2°	25.95	56	1-24	<b>11.42</b>
				66	25+	<b>8.82</b>
3030-46	25 to 125°F	1°	25.95	56	1-24	<b>11.42</b>
				66	25+	<b>8.82</b>
3030-49	0 to 220°F	2°	25.95	56	1-24	<b>11.42</b>
				66	25+	<b>8.82</b>
3030-52	50 to 550°F	5°	25.95	56	1-24	<b>11.42</b>
				66	25+	<b>8.82</b>

### Laboratory Dial Thermometer (Thermco)

1 3/4" dial. Features all external parts of stainless steel with poly-carbonate lens and pan clip. Accuracy ±1% over entire range. Stem is 8" long.

Item No.	Range	Grad.	List Price	% Off List	Qty Break	Your Cost
3028-19	25 to 125°F	1°	27.72	50	1-24	<b>13.86</b>
				60	25+	<b>11.09</b>
3028-20	-40 to 160°F	2°	27.72	50	1-24	<b>13.86</b>
				60	25+	<b>11.09</b>
3028-21	0 to 220°F	2°	27.72	50	1-24	<b>13.86</b>
				60	25+	<b>11.09</b>
3028-22	-10 to 110°C	2°	27.72	50	1-24	<b>13.86</b>
				60	25+	<b>11.09</b>

### Surface Temperature Thermometer (Thermco)

2" dial measures temperature of surfaces such as slide drying boxes, hotplates, etc. Supplied with magnetic clamp for mounting to ferrous surfaces and silicone grease for sticking to equipment. 20° to 180°C in 2° divisions.

Item No.	List Price	% Off List	Your Cost
2013-20	101.94	42	<b>59.13</b>

**HARD TO FIND ITEM!**



3030-20

### Super Long Stem Dial Thermometer

3" dial. 2°F subdivisions. Accuracy is ± one subdivision.

Item No.	Range	Stem Length inches/mm	Your Cost
3030-20	-40 to 160°F	12/305	<b>22.05</b>
3030-22	0 to 200°F	36/914	<b>84.50</b>
3030-24	0 to 200°F	48/1220	<b>102.36</b>
3030-26	0 to 200°F	72/1830	<b>189.70</b>

### ACCESSORIES:



Specialty Dial Thermometers see page 204.





## AquaTuff™ Wrap & Stow™ 351/352 Series Waterproof Thermocouple Thermometers (Cooper-Atkins)

### Select from two popular probe styles

Some of the features include:

- Extended low temperature measurement range.
- Wrap and stow models allow the cord to be wound and the probe secured into the side channel for protection and convenience.
- All models feature tenth degree resolution (AquaTuff 352 Series; features whole/tenth degree resolution user selectable).
- 80% improved battery life (1800 hours typical).
- Extended ten minute Auto-Off operation (previously 5 minutes).
- Lighter weight for improved ergonomics.
- Tool-free battery door operation for easy battery replacement.
- IPX7 waterproof rated for even greater reliability in harsh environments.

Each instrument comes complete with a specific removable probe that enables the unit to have a Total System Accuracy™ (instrument and probe accuracy combined) of  $\pm 0.9^\circ\text{F}$  ( $\pm 0.5^\circ\text{C}$ ) over the entire temperature range. Tough construction ensures reliable performance even after repetitive drops onto concrete and exposure to high temperature.

Other features:

- Fahrenheit/Celsius switchable.
- No calibration is required. Comes factory calibrated to N.I.S.T. standards.
- Under normal operating conditions, it will not need to be recalibrated.

Total System Accuracy:	$\pm 0.9^\circ\text{F}$ ( $\pm 0.5^\circ\text{C}$ ) (Instrument & probe combined)
Temperature Range:	$-100^\circ$ to $500^\circ\text{F}$ ( $-73^\circ$ to $260^\circ\text{C}$ )
Resolution - AquaTuff 351:	Tenth Degree to $1^\circ$
Resolution - AquaTuff 352:	Tenth Degree to $0.1^\circ$ / $1^\circ$ user selectable
Additional features:	AquaTuff 352 Includes an electroluminescent backlight and a hold button that "freezes" the current reading. Auto-Off feature can be disabled.
Battery Type/Life Hours:	2 AAA/ 1800+
Warranty:	Instrument – 5 years, Probe – 1 year
Housing:	ABS Plastic
Certification:	CE Marking

Item No.	Mfr. Item No.	Thermometer Description	Probe Description	List Price	% Off List	Qty Break	Your Cost
<b>3360-25</b>	35132	AquaTuff 351 Wrap & Stow	DuraNeedle	435.00	42	1-2	<b>252.30</b>
					46	3+	<b>234.90</b>
<b>3360-27</b>	35140	AquaTuff 351 Wrap & Stow	MicroNeedle	435.00	42	1-2	<b>252.30</b>
					46	3+	<b>234.90</b>
<b>3360-30</b>	35232	AquaTuff 352 Wrap & Stow	DuraNeedle	505.70	42	1-2	<b>293.31</b>
					46	3+	<b>273.08</b>

Upon request at time of order, all models are also available marked as NSF compliant. Add "NSF" to the end of the item number. The price is the same. Allow several weeks for delivery.

### Choice of two probes:

DuraNeedle - Quick and rugged for insertion or immersion.

MicroNeedle - Best response with minimal impact on your product.

- Probes are made out of patented, high temperature and abrasion resistant cable.

Item No.	Mfr. Item No.	Replacement Probe Description	List Price	% Off List	Qty Break	Your Cost
<b>3360-35</b>	55032	AquaTuff DuraNeedle	160.50	40	1-2	<b>96.30</b>
					44	3+
<b>3360-36</b>	55040	AquaTuff MicroNeedle	160.50	40	1-2	<b>96.30</b>
					44	3+



3360-40

## AquaTuff™ 351/352 Series Waterproof "Type K" Thermocouple Thermometers (Cooper-Atkins)

These models use a type K probe (available separately) otherwise they share many of the features of the wrap and stow models with the following exceptions:

Accuracy	$\pm 0.5^\circ\text{F}$ ( $\pm 0.3^\circ\text{C}$ ) over entire measurement range at ambient temperatures between $68$ to $86^\circ\text{F}$ ( $20$ to $30^\circ\text{C}$ )
Temperature	$-100$ to $999^\circ\text{F}$ ( $-73$ to $537^\circ\text{C}$ )
Certifications	CE Marking, NSF
Warranty	Five years; one year for probe
Battery	2 AAA batteries

Item No.	Mfr. Item No.	Thermometer Description	Probe Description	List Price	% Off List	Qty Break	Your Cost
<b>3360-40</b>	35100-K	AquaTuff 351	N/A	364.40	42	1-2	<b>211.35</b>
						46	3+
<b>3360-42</b>	35200-K	AquaTuff 352	N/A	435.00	42	1-2	<b>252.30</b>
						46	3+





## Platinum RTD Digital Thermometer (Cooper-Atkins 36036)

Highly accurate digital thermometer with ergonomic design utilizes thin-film platinum RTD probe sensor technology. The probes silicone coated wire is permanently attached to the instrument and both the probe and thermometer case are sealed to provide you with a splash proof instrument. F/C switchable. Includes two AAA Batteries - 1800 Hours of Battery Life. CE Certified, WEEE Marked, RoHs Compliant. 5 Year Instrument Warranty, 1 Year Probe Warranty.

Range:	-76° to 500°F (-60° to 260°C)
Resolution:	0.1°
Accuracy:	±0.5F° (±0.3C°) from -76° to 199.9°F (-60° to 93°C) and ±1F° (0.5C°) from 200° to 500°F (93.3° to 260°C)

Item No.	List Price	% Off List	Qty Break	Your Cost
<b>3029-30</b>	451.70	42	1-2	<b>261.99</b>
		46	3+	<b>243.92</b>



## Traceable® Platinum Ultra-Accurate Digital Thermometer (Control Co.)

*Incredible accuracy at a super affordable price  
Internal data logger records up to 24 hours*

- Platinum sensor insures linear response and high accuracy across the entire range.
- Thermometer is ideal for foods and stands up to the most severe environments.
- Membrane keys are splash-proof and easy to operate.
- Decimal-placement key changes display to show one, two, three, or four significant numbers after decimal.
- Internal data logger automatically captures Min/Max readings every hour for last 24 hours.
- Instant response probe updates readings 3 times per second for liquids, air/gas, and semi-solids.
- To assure accuracy an individually serial-numbered Traceable® Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

### Specification

Range:	-200.00 to 500.000°C (-328.00 to 932.000°F).
Resolution:	0.001° or 0.0001°.
Accuracy:	±0.05°C between -80 to 250°C.
Handle Probe Model:	fast-response, waterproof, 4-wire platinum, stainless-steel probe; 0.13-inch diameter x 6.3 inch stem length, 9-inch overall, 5-foot cable, for liquids, air/gas, and semi solids with readings at tip penetration of 0.3-inch.
Bullet™ Probe Model:	fast-response, waterproof, 4-wire platinum, stainless-steel; ¼-inch diameter x 1-inch long, with high temperature (500°C) 10-foot flexible glass cable, for liquids, air/gas, and semi solids.
Size:	3½ x 5½ x 1¼-inch.
Weight:	8 ounce.
Supplied:	battery, platinum probe/cable, plastic carrying case, Traceable® Certificate.

Item No.	Mfr Item No.	Description	List Price	% Off List	Qty Break	Your Cost
<b>3517-66</b>	6412	With s.s. handle probe	414.22	17	1	<b>343.80</b>
				22	2+	<b>323.09</b>
<b>3517-67</b>	6413	With s.s. bullet probe	414.22	17	1	<b>343.80</b>
				22	2+	<b>323.09</b>
<b>3517-68</b>	6422	Replacement s.s. handle probe	304.25	17	1	<b>252.53</b>
				22	2+	<b>237.32</b>
<b>3517-69</b>	6423	Replacement bullet probe	304.25	17	1	<b>252.53</b>
				22	2+	<b>237.32</b>



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**EconoTemp™ Thermocouple Thermometer**  
(Cooper-Atkins 32311-K)

Designed for the foodservice industry, the powerful microprocessor delivers speed and reliability and a useful memory which stores the calibration settings and will virtually never need recalibration. Rugged ABS plastic housing complete with rubber boot. Accepts any type K thermocouple probe (available separately).



Temperature Range:	-40° to 500°F / -40° to 260°C
Temperature Accuracy:	±2°F / ±1°C
Auto Off:	Yes
F/C Switchable:	Yes
Water Resistant:	Yes
Certification:	CE NSF
Warranty:	5 Year Instrument Warranty
Power Supply:	(3) AAA batteries (1500 hours average life)
Battery Life:	5 years

Item No.	List Price	% Off List	Qty Break	Your Cost
<b>3000-70</b>	193.20	40	1-2	<b>115.92</b>
		44	3+	<b>108.19</b>



**Pocketherm™ Digital Thermometer**  
(Comark P250FW)

**Colored LEDs indicates critical temperature zones**

Handy, pocket-sized thermocouple with LED indicators pre-programmed to the HACCP temperatures most commonly used in foodservice. The colored LEDs show you instantly what temperature zone you're in:

- Yellow** denotes FROZEN (below 0.4° F)
- Green** denotes CHILLED (32° to 41° F)
- Red** denotes COOKED (above 158° F)

Perfect for foodservice professionals and Sanitarians who measure temperature and want convenience, economy and reliability. Other advantages:

- Durable and fast, tapered stainless steel probe
- Probe swings open to switch ON the instrument
- Large easy-to read LCD with 0.1° resolution
- Waterproof to IP65
- Range: -58° to 482° F ±2° F accuracy – Meets FDA Food Code guidelines
- Sleek design, fits easily in coat, pocket or briefcase
- Includes 2 AA batteries
- One year warranty

Item No.	List Price	% Off List	Qty Break	Your Cost
<b>3370-20</b>	146.00	19	1-2	<b>118.26</b>
		31	3+	<b>100.74</b>

**Antimicrobial Waterproof Digital Thermocouple Food Thermometer (Comark C28)**  
*With BioCote® based antimicrobial agent molded right into the case!*

BioCote® is a silver-based anti-microbial agent that is impregnated into the instrument case during molding. It effectively inhibits the function, growth and reproduction of a wide range of micro-organisms. It lasts for the life of the instrument, because the agent is present throughout the case plastic and cannot rub off or be washed or leached out. Other features: dual scale; waterproof to IP67 standards; permanent clock display; countdown timer; data hold function; auto switch-off; built-in protective boot; exceptional battery life of up to 7000 hours. Accepts any type K probe (not included). Two year warranty. The countdown timer can be stopped during countdown. Uses include monitoring how long probe is inserted to obtain accurate reading or monitoring cooking and cooling times. Timer beeps to advise end of timed period. Selectable auto switch-off, with choice of time period before the instrument turns off - 3 minutes, 10 minutes or 30 minutes.

BioCote® active ingredients are registered with the US Environmental Protection Agency (EPA). Although BioCote® inhibits the growth of micro-organisms on the instrument case, it does not protect individuals against such harmful organisms or remove the need to maintain the highest standards of personal and product hygiene and cleanliness.



Measurement Range	-200 to +600°C, -328°F to +1112°F
Displayed Resolution	0.1° Above -100° 1° Equal to or less than -100°
Instrument Accuracy at +73°F/+23°C	0.1% ±0.4°F/0.2°C
Operating Temperature Range	-4°F to +122°F/-20°C to +50°C
Countdown Timer Interval	1 second to 24 hours
Battery	2 AA
Size	152mm/6" long X 58mm/2.3" wide X 22/27mm/0.9/1.1"
Weight	128g/4.5 oz
Warranty	Two years

Item No.	List Price	% Off List	Qty Break	Your Cost
<b>3370-30</b>	219.00	31	1-2	<b>151.11</b>
		41	3+	<b>129.21</b>

**Foodcheck™ Digital Thermocouple Thermometer**  
(Comark KM28B)

Water resistant and easily cleanable with membrane keypads. Auto-off feature. Accepts any type K probe. Complete with 9V battery, and rubber case. Probe not included. One year warranty.

Range:	-40° to 1000°F switchable to -40° to 500°C
Accuracy:	±2°F, ±1°C



Item No.	List Price	% Off List	Qty Break	Your Cost
<b>3370-10</b>	142.00	31	1-2	<b>97.98</b>
		41	3+	<b>83.78</b>

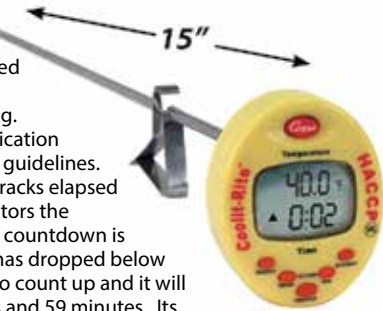


## Coolit-Rite™ Digital Thermometer with Super-Long Stem (Cooper-Atkins TTM41)

**Accurately monitors when food is correctly cooled**

Code requires food must be cooled to 41°F or lower in less than four hours after cooking or hot holding. The Coolit-Rite assists in the verification of compliance with these HACCP guidelines. Its built-in programmable timer tracks elapsed time while its thermometer monitors the temperature of your food. When countdown is finished – or when temperature has dropped below 41° (or 5°C) – the timer will start to count up and it will show elapsed time, up to 6 hours and 59 minutes. Its large LCD displays the final temperature until cleared.

It can also be used as a regular digital thermometer, complete with minimum and maximum temperature memory, by simply not activating the programmable timer. Very handy for numerous hard-to-reach applications. Features an extra-long 15" stainless steel stem with minimal depth indicator, adjustable vessel clip, min-max temperature memory until cleared, and is waterproof. NSF & CE listed.



Temperature range	-4 to 302°F or -20 to 150°C, switchable
Accuracy	±2°F from -4 to 212°F or 1°C from -20 to 100°C; ±3°F/2°C all other ranges
Resolution	0.1°
Timer range	to 6 hours and 59 minutes
Display	1" LCD
Battery type	One LR44 button cell battery included; replacement #3029-60
Warranty	1 year

Item No.	Mfr Item No.	List Price	% Off List	Qty Break	Your Cost
3370-75	TTM41	65.10	20	1-4	52.08
			30	5+	45.57

## Watertight Folding Pocket Thermometer (Thermco)

**Fast response reduced tip**

The folding thermometer is pocket-size for easy temperature measurements in liquid and powdered materials. The food safe housing is completely watertight and easy to clean!

Features:

- Includes NIST Traceable Certificate
- 2 3/4" Adjustable Angle Probe
- Automatic Power Off after 10 minutes



Temperature Range:	-40°C to +250°C (-40 to 482°F)
Accuracy:	±0.5°C -20 to 150°C, otherwise ±1.0°C
Resolution:	0.1 °C
Operating Temperature:	0 to +50°C (32 to 122°F)
Standards:	EN13485
Protection class:	IP65
Power:	Button cell battery 1x CR 2032
Dimensions:	716 x 38 x 20 mm
Weight:	41.2 g (incl. Battery)

Item No.	Mfr Item No.	List Price	% Off List	Qty Break	Your Cost
3516-71	ACCD0553DIG	49.20	20	1	39.36
			30	2+	34.44



## COOK N COOL Digital Thermometer and Timer (Cooper-Atkins)

*Monitor Your Cooking and Cooling Processes with One Unit!*

For economic HACCP compliance in cooking and cooling, the COOK N COOL digital thermometer allows you to view desired internal cooking temperature without opening an oven door, and will also track the cooling rate of foods to ensure proper cool down temperatures. The continuous display tells what temperatures the food (hot/cold) reached during cooking. A "High Alarm" sounds when food reaches preset limits, and a "Low Alarm" is perfect for monitoring the cooling process. The 80 decibel volume can be heard in a noisy restaurant kitchen and the visual indicator on the front can be seen.

### Product Specifications

- Temperature Range: -25° to 392°F (-31° to 200°C)
- Accuracy: ±2°F (±1°C) from -4° to 302°F (-20 to 150°C)
- Resolution: 0.1 Temperature/1.0 Set Temperature
- Heat-resistant, silicone-jacketed cable
- ABS Plastic housing
- Wall-mount bracket with magnet
- Rear probe storage slot
- Rubberized feet
- Large easy to read LCD 2.25" x 1.5" (57 mm x 38 mm)
- Battery operated (3 AAA) not included
- IP44 waterproof rated
- Replacement probe is available
- 1 year warranty

Item No.	Mfr Item No.	List Price	% Off List	Qty Break	Your Cost
3370-76	DTT361-01	53.40	30	1	37.38
			40	3+	32.04



### FREE Samples Are Available

We carry a sample inventory for all products identified by this symbol. Please contact us to request your free sample.

Melissa Foster  
Customer Service Representative  
mfoster@weberscientific.com



## HACCP Dual Temp Infrared and Thermocouple

**"2-in-1" waterproof IR thermometer for food safety and HACCP temperature monitoring**

HACCP warning lights shine RED between 40° to 140°F (4° to 60°C) and GREEN outside this range. Specifically designed for monitoring cooking and holding temperatures, provides ±2°F accuracy as recommended by HACCP for food temperatures between 32°F and 150°F. Features a built-in stainless steel K-type thermocouple probe that folds into the side of the instrument when not in use. NIST traceable factory calibration. Selectable between F° and C°. White LED target illumination spot and LCD display. Waterproof meets or exceeds IP54.



	Infrared	Thermocouple
Temperature Range	-67° to 572°F; -55° to 250°C	-67°F to 626°F; -55° to 330°C
Resolution (-9.9 – 199.9°C)	0.2°F; 0.1°C	0.9°F; 0.5°C
Accuracy	±1.8°F from 32° to 150°F; ±1°C from 0 to 65°C (±1°C + 0.1°C per degree from -33° to 0°C; ±1.5% of reading from 65°C to 250°C)	±1% of reading or 1.4°F (0.8°C) whichever is greater
D:S ratio	2.5:1 (distance-spot ratio)	
Emissivity	(preset to 0.95) adjustable from 0.10 to 1.00 in 0.01 steps	
Ambient Operating Range	32° to 122°F; 0°C to 50°C	
Measure modes	Maximum, Minimum, Difference (Max-Min) and "Lock" for continuous temperature scanning (selectable for IR or probe)	
Response Time (90%)	1 second	
Batteries	2 AAA (included) 180 hours	
Automatic power OFF	after 1 minute	
Dimensions	0.87 x 1.5 x 7.5 inches; 22 x 38 x 191 mm	
Weight (with battery)	3.5oz (98.1gm)	
Warranty	One year	

Item No.	List Price	% Off List	Qty Break	Your Cost
3572-20	198.00	45	1-2	108.90
		55	3+	89.10
3572-22 With NIST traceable certificate of accuracy	233.00	20	1	186.40
		30	2+	163.10

## Digital Pasteurization Thermometer

### PMO Compliant

This ultra-high precision thermometer has been especially configured to meet the specifications as detailed in the current Grade "A" Pasteurized Milk Ordinance (PMO), Appendix I.2, Pasteurization Equipment and Controls, Digital Test Thermometers. It has been calibrated at four critical temperatures and is furnished with a certificate of calibration proving traceability to the National Institute of Standards and Technology (NIST). Displays the minimum, maximum, and average temperature values, and has a temperature hold function.



To meet exacting PMO specifications this thermometer has some key features:

- The self-diagnostic circuitry identifies that the correct probe is attached and without a correct connection the display alerts the operator that no temperature will be displayed.
- Calibration is protected from unauthorized changes.
- System accuracy of ±0.03° C or F (significantly exceeding the ±0.05° PMO requirement)
- Documented for Electromagnetic Compatibility
- Thermometer and probe are serialized to document compatibility

**The thermometer is available in either Celsius or Fahrenheit.**

	Celsius	Fahrenheit
Range	-200 to 500°	-328 to 932°
Calibration points	0, 63, 72, 83, 89°C	32, 145, 161.6, 180, 191° F
Accuracy	±0.03°	
Resolution	0.01°	0.01°
Power	9V (included)	
Display	2-line LCD	
Dimensions	8 X 3 1/2 X 1 1/2" (203 X 89 X 38 mm)	

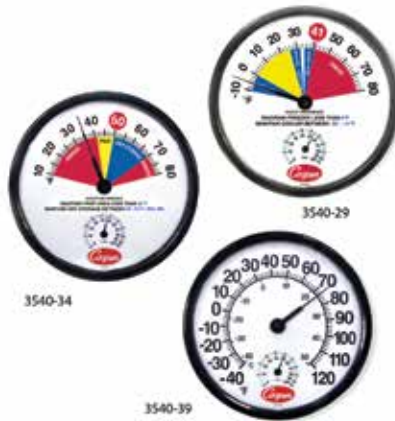
Item No.	Description	Probe Length inch/mm	Your Cost
3520-65	PMO Thermometer, C°	6 / 152	1086.33
3520-65F	PMO Thermometer, F°	6 / 152	1086.33
3520-67	PMO Thermometer, C°	12 / 305	1142.12
3520-67F	PMO Thermometer, F°	12 / 305	1142.12

Item No.	Description	Your Cost
3520-77	6" Replacement Probe*	253.38
3520-79	12" Replacement Probe*	267.45
3520-82	Windows Software (only available to Regulatory end-users)	207.58
3520-83	USB Cable & Adaptor (only available to Regulatory end-users)	68.98
3520-85	Power supply	51.84
3520-88	Water resistant protective cover	78.64
3520-90	Protective hard plastic case with foam inserts for thermometer and probe	108.75
3520-92	Service Kit includes Windows Software, USB Cable & Adaptor, 9V battery, battery charger, AC adaptor, protective case (only available to Regulatory end-users)	507.47

\* Specify F or C. Only available for direct shipment to Regulatory end-users. If you are not a Regulatory end-user and wish to order this item, please call our customer service department at 800-328-8378.

## HACCP Wall Thermometers with Humidity Scale (Cooper-Atkins)

Large 12" unit for easy viewing from approximately 30 feet. HACCP reference safety zoned color-coded dial (except for the standard indoor-outdoor thermometer).



	3540-29 Cooler - Freezer	3540-34 Dry Storage - Prep Area	3540-39 Indoor/Outdoor
Temp. Range	-10 to 80° F	10 to 80° F	-40 to 120° F, -40 to 50° C
Humidity Range	0 to 100%	0 to 100%	0 to 100%
Danger Zone	41 to 80° F	10 to 41° F, 70 to 80° F	

Item No.	Mfr. Item No.	Description	List Price	% Off List	Qty Break	Your Cost
3540-29	10-212-159-8	Cooler - Freezer	53.40	20	1-2	<b>42.72</b>
				25	3+	<b>40.05</b>
3540-34	10-212-158-8	Dry Storage - Prep Area	53.40	20	1-2	<b>42.72</b>
				25	3+	<b>40.05</b>
3540-39	10-212-150-8	Indoor-Outdoor	50.40	20	1-2	<b>40.32</b>
				25	3+	<b>37.80</b>



## Floating Dairy Thermometer (Thermco)

Shot weighted, spirit filled with protective plastic covering sealed over glass. Special marks for freezing, churning, cheese, pasteurizing and boiling. 12" long. Scale: 20-220°F. Subdivision: 2°

Item No.	Your Cost
3028-00	<b>21.28</b>

**FIND IT AT WEBERSCIENTIFIC.COM**



• **Traceable® Printing Thermometer °F/°C (Control)**

• **HAACP Touch Data Recorder from Comark**



## Tanker and Production Thermometers

Designed for the dairy and brewing industries

**HARD TO FIND ITEM!**

Durable & highly accurate thermometer specifically designed for specific applications

- Testing the temperature of milk in incoming tankers
- Testing the temperature during dairy or brewing production procedures

Milk Tanker: -20 to 60°C & 0 to 140°F range with 0.5°C/1.0°F graduations

Dairy Production: -20 to 104°C & 0 to 220°F range with 0.5°C/1.0°F graduations

Beer Production: -18 to 82°C & 0 to 180°F range with 1°C/2°F graduations

Rugged stainless steel construction with 36" stem for long reach  
Easy-to-read 3" back-mounted dial with unbreakable, high clarity, polycarbonate safety lens

0.5°C/1.0°F accuracy

Precise reset calibration adjustment

Water-resistant

Stores securely in PVC sheath for protection during transit/storage

Dual scale display

Certified thermometers come with a "Report of Calibration" (NIST) referencing a serial number and are calibrated at 45°F ±1° unless specified otherwise by customer.

Item No.	Description	List Price	% Off List	Qty Break	Your Cost
3028-56	Milk Tanker Thermometer	316.80	28	1	<b>228.10</b>
			36	2+	<b>202.75</b>
3518-10	Dairy Production Thermometer	293.75	28	1	<b>211.50</b>
			36	2+	<b>188.00</b>
3518-00	Beer Production Thermometer	286.59	28	1	<b>206.34</b>
			36	2+	<b>183.42</b>
3028-58	Milk Tanker Thermometer, Certified	417.45	28	1	<b>300.56</b>
			36	2+	<b>267.17</b>
3518-12	Dairy Production Thermometer, Certified	419.50	28	1	<b>302.04</b>
			36	2+	<b>268.48</b>
3518-01	Beer Production Thermometer, Certified	409.31	28	1	<b>294.70</b>
			36	2+	<b>261.96</b>

### ACCESSORIES:



Long Stem Dial Thermometers see page 198.

## Traceable® Extra-Extra Long-Probe Waterproof Thermometer (Control Co.)

20 inches created for deep vessels

- Waterproof (IP67) to a depth of 10 feet meter/probe/cable.
- Jumbo LCD can be read at 70 feet.
- Accurate readings with tip penetration of only 1 inch.
- Stainless-steel spring-powered holder for ease in placing probe anywhere.
- Wall mount provides instant viewing, indoor/outdoor use.
- To assure accuracy an individually serial-numbered Traceable® Certificate is provided from our ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

### Specifications

Range:	14.0 to 230.0°F (-10.0 to 110.0°C).
Resolution:	0.1°.
Accuracy:	±1°C.
Probe:	waterproof, stainless-steel, 20 inches length x 0.2 inches diameter.
Probe handle:	waterproof, chemical-resistant, length 2½ inches.
Cable length:	Waterproof 10 feet.
Probe holder:	stainless-steel, spring-loaded clamp, rugged construction.
Size:	4¾ x 31/3 x 1¼-inch.
Weight:	7 ounces.
Supplied:	stainless-steel probe, spring-loaded holder, wall mount, batteries, Traceable® Certificate.

Item No.	Mfr Item No.	List Price	% Off List	Qty Break	Your Cost
3517-70	6406	157.31	17	1	130.57
			22	2+	122.70

## Super Long Temperature Probe

Type-K thermocouple probe has an extra long 36" stainless steel stem attached to a 3' cable (0.9 meter).

Long reach allows simple immersion into tankers and other bulk tanks. Use with a type-K thermometer (not included). We recommend a water resistant thermometer with an accuracy of ±1°F/0.5°C. See the digital thermometer section for a complete selection.

Item No.	List Price	% Off List	Your Cost
3029-90	273.86	20	219.09

**HARD TO FIND ITEM!**



## Mini TempTestr® Infrared Thermometer (Oakton)

Fits right in your pocket

Features include switchable °F/°C display, hold function, selectable auto-off, minimum/maximum memory readings, adjustable emissivity, wrist strap, flip-open stand, metal carrying case and soft touch keypad.



Temp range	F	-27 to 428°F
	C	-33 to 220°C
Resolution	F	0.1°F
	C	0.1°C
Accuracy	F	±2% of reading or 3.6°F
	C	±2% of reading or 2.0°C
Emissivity	Adjustable from 0.1 to 1 factory default is 0.95	
Response time	less than one second for 95% of reading	
Distance to target size ratio	1:1	
Battery type	Includes one CR2032 lithium ion battery; replacement 3039-51	
Low battery indicator	yes	
Size	1 1/2"W x 2 1/2"H x 1/2"D	
Display	1/2"H LCD	
Battery life	40 continuous hours	
Warranty	One year	

Item No.	List Price	% Off List	Qty Break	Your Cost
3571-60	43.50	15	1-9	36.98
		23	10+	33.50

## Traceable® Mini-Infrared Thermometer with Pocket Clip (Control Co.)

An individually serial-numbered Traceable® Certificate is provided indicating traceability to standards provided by NIST (National Institute of Standards and Technology). Hold feature freezes the display at the current reading. Complete with handy pocket clip, key-chain and lanyard. One year warranty.



Temp. Range	-27 to 428°F / 33 to 220°C	
Field of View	D:S=1:1	
Accuracy	±1° C + 2%	
Display Resolution	0.1°	
Emissivity	0.95 (fixed)	
Size	3 1/4" x 3/4" (83mm x 19mm)	
Weight	3/4 oz. (21 grams)	
Battery type	Includes one SR44 silver oxide button cell battery; Replacement #3571-57	

Item No.	Mfr. Item No.	List Price	% Off List	Qty Break	Your Cost
3571-55	4480	44.41	15	1-3	37.75
			20	4+	35.53



## Infrared Laser Thermometer with Type-K Jack

### Dual-function versatility

Laser thermometer with built-in socket accepts commercially available K-type thermocouple probe (not included). Specifically designed for monitoring cooking and holding temperatures, provides  $\pm 2^{\circ}\text{F}$  accuracy as recommended by HACCP for food temperatures between  $32^{\circ}\text{F}$  and  $150^{\circ}\text{F}$ . NIST traceable factory calibration. Selectable between  $^{\circ}\text{F}$  and  $^{\circ}\text{C}$ . Bright large amber backlit LCD display. One year warranty.

	Infrared	Thermocouple jack
Infrared Range	$-76^{\circ}$ to $932^{\circ}\text{F}$ ; $-60^{\circ}$ to $500^{\circ}\text{C}$	$-148$ to $752^{\circ}\text{F}$ ; $-100$ to $400^{\circ}\text{C}$
Resolution	$0.1^{\circ}$	$0.1^{\circ}$
Accuracy	$\pm 1.8^{\circ}\text{F}$ from $32$ to $150^{\circ}\text{F}$ ; $\pm 1^{\circ}\text{C}$ from $-5$ to $65^{\circ}\text{C}$ (Below $32^{\circ}\text{F}$ : $\pm 1^{\circ}\text{C} \pm 0.1$ degree; above $150^{\circ}\text{F}$ : $\pm 1.5\%$ )	$\pm 0.75^{\circ}\text{F}$
D:S ratio	16:1 (distance-spot ratio)	
Emissivity	(preset to 0.95) adjustable from 0.10 to 1.00 in 0.01 steps	
Measure modes	Maximum, Minimum, Difference (Max-Min) and "Lock" for continuous temperature scanning (selectable for IR or probe)	
Alarm	Programmable High and Low temperature alarms with audible "beeper"	
Batteries	2 AAA (included) typically provide 180 hours continuous operation	
Automatic power OFF	after 1 minute	



Item No.	Description	List Price	% Off List	Qty Break	Your Cost
<b>3572-15</b>		149.00	20	1	<b>119.20</b>
			30	2+	<b>104.30</b>
<b>3572-17</b>	With NIST traceable certificate of accuracy	289.00	20	1	<b>231.20</b>
			30	2+	<b>202.30</b>



## Food Inspector Infrared Thermometer

### Specifically designed for monitoring cooking and holding temperatures

- Bright, built-in DUAL Laser
- Laser sighting on or off
- Backlight on or off
- Accuracy as recommended by HACCP for food temperatures between  $32^{\circ}\text{F}$  and  $150^{\circ}\text{F}$
- NIST traceable factory calibration
- Selectable between  $^{\circ}\text{F}$  and  $^{\circ}\text{C}$
- Auto power off
- Soft carrying case
- One year warranty

Infrared Range	$-40^{\circ}$ to $536^{\circ}\text{F}$ ; $-40^{\circ}$ to $280^{\circ}\text{C}$
Resolution	$0.1^{\circ}$ F or C
Accuracy	$\pm 1^{\circ}\text{C}$ ( $1.5^{\circ}\text{F}$ ) of reading from $32$ to $150^{\circ}\text{F}$ with $1/10$ th degree resolution Below $32^{\circ}\text{F}$ : $\pm 1^{\circ}\text{C}$ ( $\pm 2^{\circ}\text{F}$ ) $\pm 0.1$ degree F and above $150^{\circ}\text{F}$ : $\pm 1.5\%$ of reading conforming to HACCP accuracy
D:S ratio	16:1 (distance-spot ratio)
Response Time	500 milliseconds
Emissivity	preset for food service applications
Batteries	1 x 9V (included) for 14 hours of continuous use; low battery icon



Item No.	Description	List Price	% Off List	Qty Break	Your Cost
<b>3572-30</b>		85.00	20	1-2	<b>68.00</b>
			30	3+	<b>59.50</b>
<b>3572-32</b>	With NIST traceable certificate of accuracy	214.50	20	1	<b>171.60</b>
			30	2+	<b>150.15</b>



## Dual Laser Infrared Thermometer

- Measures maximum temperature during scan
- Amber back-light LCD

Infrared Range	-76° to 932°F; -60° to 500°C
Resolution	0.1° F or C
Accuracy	±2% of reading
D:S ratio	12:1 (distance-spot ratio)
Response Time (90%)	1 second
Emissivity	preset at 0.95
Batteries	2 AAA (included); 180 hours continuous use
Automatic power OFF	after 1 minute



3572-24



Item No.	Description	List Price	% Off List	Qty Break	Your Cost
3572-24	Dual laser infrared thermometer	80.00	20	1-2	<b>64.00</b>
			30	3+	<b>56.00</b>
3572-25	With NIST traceable certificate of accuracy	214.00	20	1-2	<b>171.20</b>
			30	3+	<b>149.80</b>

## Infrared Thermometer (Sper Scientific 800101)

Laser sighting pinpoints exact target with a very good 8:1 distance-to-target ratio. Simply press the trigger and aim the laser guide at your target. Results immediately appear in °C or °F on the large backlit LCD and are automatically held for 7 seconds after the trigger is released.

Range	-4 to 605°F; -20 to 320°C
Resolution	0.5°
Accuracy	±2% of reading or ±2°C whichever is greater
Spectral Response	6 to 14µm
Size	6 1/8" x 3 2/5" x 1 1/4" (156 x 87 x 32 mm)
Weight	6 oz (170 g), 9V battery (included)
Warranty	Five years



3570-85

Item No.	List Price	% Off List	Your Cost
3570-85	55.00	15	<b>46.75</b>

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This is our way to say thank you - Again and again.

## Temperature Probes (Cooper-Atkins)

All have K thermocouples (recommended for food processing/food service)

### Standard Needle Probes

Measure insertion and immersion temperatures for food products, liquids and more.



### Dura Needle Probe

Maximum temperature (tip) 500°F. Coiled retractable cable. Shaft length is 6"/152 mm. Response time is 1 second for liquids.

Item No.	Mfr. Item No.	List Price	% Off List	Qty Break	Your Cost
3000-65	50336-K	124.40	40	1-2	74.64
			44	3+	69.66



### Standard Needle Probe

Maximum temperature (tip) 500°F. Coiled retractable cable. Shaft length is 4.5"/114 mm. Response time is 4 seconds for liquids.

Item No.	Mfr. Item No.	List Price	% Off List	Qty Break	Your Cost
3029-53	50335-K	107.30	40	1-2	64.38
			44	3+	60.09



### Economy Probes

#### Economy Needle Probe

For most insertion immersion measurements. Maximum temperature (tip) 400°F. Shaft length is 4"/102 mm. Response time is 4 seconds for liquids.

Item No.	Mfr. Item No.	List Price	% Off List	Qty Break	Your Cost
3000-76	31901-K	81.40	40	1-2	48.84
			44	3+	45.58



### Economy Hand-Held Air Probe

For ambient air temperatures: coolers, ovens, and freezers. Maximum temperature (tip) 400°F. Shaft length is 4"/102 mm. Response time is 9 seconds in 5m/sec. air.

Item No.	Mfr. Item No.	List Price	% Off List	Qty Break	Your Cost
3000-79	31903-K	94.30	40	1-2	56.58
			44	3+	52.81

### Small Needle Immersion Probes

Small diameter probes are ideal for small products and semisolid products or frozen materials.



### Micro Needle – Rounded Tip

Maximum Temperature (tip) 500°F. Coiled retractable cable Small diameter probe. Shaft length is 3.5"/89 mm. Response time is 9 seconds in liquids.

Item No.	Mfr. Item No.	List Price	% Off List	Qty Break	Your Cost
3000-82	50209-K	152.90	40	1-2	91.74
			44	3+	85.62



### Micro Needle – Chisel Tip (also known as the McDonald's® probe)

Fast response for hamburgers or small products. Maximum temperature (tip) 500°F. Small diameter probe with a shaft length of 3.75"/95 mm. Response time is 1 second in liquids.

Item No.	Mfr. Item No.	List Price	% Off List	Qty Break	Your Cost
3029-52	50207-K	91.50	40	1-2	54.90
			44	3+	51.24



### Frozen Product Probe

Heavy duty probe with large stainless steel handle and flexible armored cable. Maximum temperature (tip) 400°F. Shaft length is 4.25"/108 mm. Response time is 4 seconds in liquids.

Item No.	Mfr. Item No.	List Price	% Off List	Qty Break	Your Cost
3029-54	50101-K	297.10	40	1-2	178.26
			44	3+	166.38



### Ultra-Fine Product Probe – Chisel Tip

Recommended for on-line temperature testing through QMI aseptic sampling membranes. Response time is 3 seconds in liquids. Maximum temperature (tip) 500°F. Flexible cable with PVC jacket. Small diameter probe with a 4"/102 mm shaft length.

Item No.	Mfr. Item No.	List Price	% Off List	Qty Break	Your Cost
3000-85	49122-K	191.40	40	1-2	<b>114.84</b>
			44	3+	<b>107.18</b>



### Standard Stainless Steel Probe

Maximum temperature (tip) 500°F. Shaft length is 7.5"/190 mm. Response time is 1 second for liquid or 6 seconds for oiled surface.

Item No.	Mfr. Item No.	List Price	% Off List	Qty Break	Your Cost
3000-60	50405-K	102.60	40	1-2	<b>61.56</b>
			44	3+	<b>57.46</b>

### Miscellaneous Probe Designs



### Bare Tip Probe

Suitable for most any insertion or immersion measurement. Can be embedded in products for freezing and heating studies. Maximum temperature (tip) 400°F. Flexible cable with Teflon® jacket. Response time is 1 second for liquids and 7 sec. 5m/sec. air. 36" cable.

Item No.	Mfr. Item No.	List Price	% Off List	Qty Break	Your Cost
3000-55	39138-K	52.60	40	1-2	<b>31.56</b>
			44	3+	<b>29.46</b>



### Combo Probe

Measure meat combos, large cooking kettles and vats. Flexible cable with Viton® jacket. Type K only. Maximum temperature (tip) 500°F. Shaft length is 35"/889 mm. Response time is 2 seconds for liquid.

Item No.	Mfr. Item No.	List Price	% Off List	Qty Break	Your Cost
3029-57	50701-K	309.10	40	1-2	<b>185.46</b>
			44	3+	<b>173.10</b>

### Probe Wipes (Comark)

Wipes out cross contamination and the spread of bacteria. Packed in a handy plastic case.



Item No.	Mfr. Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
3066-80	PW70T	70 / canister	6.05	25	1-9	<b>4.54</b>
				35	10+	<b>3.93</b>
3066-82	PW180T	180 / canister	13.50	25	1-4	<b>10.13</b>
				35	5+	<b>8.78</b>



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Nancy Silvester  
Account Manager  
800-328-8378  
nsilvester@weberscientific.com



**These recorders couldn't be easier to operate. And for as low as \$9.00 each they couldn't be more affordable!**

### Ryan CR-1 Strip Chart Recorder (Sensitech)

Low-cost, single-use strip chart recorder is rugged enough to meet the demands of in-transit distribution of perishable products. It is self-contained and shipped ready for use.



Temperature Range	-20°F to +100°F (-29°C to +38°C)
Operating Accuracy	±2.0°F (±1.1°C) full scale
Chart Resolution	10 day = 2.50 inches per day 20 day = 2.50 inches per day 40 day = 0.73 inches per day 75 day = 0.73 inches per day
Power/Shelf life	1.5-volt AA battery One year from date of purchase
Calibration	NIST Traceable
Tamper-Proof Security Seal	Pre-sealed at the factory
Notice of shipment	Three-part water resistant notice attached to CR-1
Enclosure	ABS plastic
Weight/Dimensions	10.5 ounces (297.7 grams) 6.50" L x 2.56" H " x 3.50" W (165 mm x 65 mm x 89 mm)

Item No.	Time Range	Qty	List Price	% Off List	Qty Break	Your Cost
<b>3510-39</b>	10 day	each	22.85	25	1-39	<b>17.14</b>
				50	multiples of 40	<b>11.43</b>
				55	multiples of 80	<b>10.28</b>
<b>3510-46</b>	40 day	each	22.85	25	1-39	<b>17.14</b>
				50	multiples of 40	<b>11.43</b>
				55	multiples of 80	<b>10.28</b>

### In-Transit Temperature Recorder (DeltaTRAK)

#### Monitor Up to 90 Days

The In-Transit Temperature Recorder is a highly reliable strip chart time and temperature recording instrument used to record environmental conditions encountered during storage and transportation of temperature sensitive commodities in refrigerated trucks, rail cars, ocean, and air freight containers. A view port allows the operator to visually confirm activation after the startup tab has been pulled. They are specially engineered with a light and durable vented case and generate a permanent record of transit conditions on a 36" (91cm) strip chart. These records serve as corroborating evidence for insurance claims, quality assurance documentation and protection of your valuable products. Models are available from 5-day to 90-day transit periods for temperatures of -20°F to 100°F (-29°C to 38°C). Each unit is marked with a serial number for traceability.



Temperature range	-20°F to 100°F (-29°C to 38°C)
Accuracy	±2.0°F (±1°C) or better
Sensor	Bi-metal coil
Chart	Pressure sensitive, total length 36" (91.4cm), dual scale °F or °C
Drive	Solid state quartz motor
Time keeping accuracy/clock motor	Average ± 20 seconds a month
Battery	AA Zinc Chloride
Shelf life	3 years
Size	5.5" (L) x 4" (W) x 2.5" (H) 13.5cm (L) x 10cm (W) x 6.3 cm (H)
Weight	8.6 oz (244g)
Case lot size/weight	20 recorders per case /12 lbs (5.4kg)
Certifications/calibration	CE mark by TUV, traceable to NIST

Item No.	Time Range	List Price	% Off List	Qty Break	Your Cost
<b>3510-05</b>	5 day	20.00	25	1-19	<b>15.00</b>
			50	multiples of 20	<b>10.00</b>
			55	multiples of 100	<b>9.00</b>
<b>3510-10</b>	10 day	20.00	25	1-19	<b>15.00</b>
			50	multiples of 20	<b>10.00</b>
			55	multiples of 100	<b>9.00</b>
<b>3510-20</b>	20 day	20.00	25	1-19	<b>15.00</b>
			50	multiples of 20	<b>10.00</b>
			55	multiples of 100	<b>9.00</b>
<b>3510-21</b>	30 day	20.00	25	1-19	<b>15.00</b>
			50	multiples of 20	<b>10.00</b>
			55	multiples of 100	<b>9.00</b>
<b>3510-22</b>	60 day	20.00	25	1-19	<b>15.00</b>
			50	multiples of 20	<b>10.00</b>
			55	multiples of 100	<b>9.00</b>
<b>3510-23</b>	90 day	20.00	25	1-19	<b>15.00</b>
			50	multiples of 20	<b>10.00</b>
			55	multiples of 100	<b>9.00</b>

## TempTrace™ Temperature Chart Recorder With Digital Display (Dickson)

**Now F/C and 24 hour / 7 day switchable!**

These units are self-contained temperature recorders. Designed for use in applications where recording long-term temperature trends is most important. Easy to read 4" diameter chart for 24 hour or 7 day recording times documents critical temperatures. Includes "AA" battery. Other features include keyhole slots on back for wall mounting, hinged doors and battery covers.



Dimensions:	5.2" (132mm) X 5.2" (132mm) X 2.4" (61mm).
Range:	-22 to 122°F or -30 to 50°C
Recorder Accuracy:	±2% full scale
Display Accuracy:	±3.6°F
Avg. Recorder Response Time:	11 minutes to move 63% of full scale
Warranty	One year

Item No.	Mfr. Item No.	Recording Time	List Price	% Off List	Your Cost	Recording Time for Charts	°F Chart			°C Chart				
							Item No. (pk/60)	List Price	% Off List	Your Cost	Item No. (pk/60)	List Price	% Off List	Your Cost
3510-51	SL4350	7 day/24 hour	239.00	10	215.10	24 hour	3510-71	45.00	10	40.50	3510-76	45.00	10	40.50
							7 day	3510-72	45.00	10	40.50	3510-77	45.00	10
3510-53	SL4350 w/N300	7 day/24 hour with 3-point NIST Traceable calibration	395.00	10	355.50	24 hour 7 day								

### Optional Accessories for TempTrace Recorder:

Item No.	Description	Qty	List Price	% Off List	Your Cost
3510-64	Red Pens	6	49.00	10	44.10

## Super Compact Temperature Recorder (Dickson)

Reusable recorder offers a very low per use cost. Compact case is rugged enough to withstand the rigors of transportation yet versatile for many other applications: special ranges for refrigerators, freezers, incubators and ambient conditions.

Features include 3" chart size; easy user calibration; dual °C or °F range capability (depending upon chart installed); built-in slots for optional tie-down cable. Includes one "AA" battery and pen.



Dimensions:	3.7" (93mm) X 3.7" (93mm) X 2.2" (57mm)
Weight:	1/2 lb. (227g)
Temperature Sensor:	spiral wound, bimetallic strip transducer
Recorder Accuracy:	±2°F (±1°C) over full scale
Recording Time:	7 day and 24 hour switchable
Average Response Time:	11 minutes to move 63% of full scale
Warranty	One year

Item No.	Mfr. Item No.	°F Range	°C Range	List Price	% Off List	Your Cost	Recording Time for Charts	°F Chart			°C Chart				
								Item No. (pk/60)	List Price	% Off List	Your Cost	Item No. (pk/60)	List Price	% Off List	Your Cost
3511-08	SC367	-14 to 32°	-25 to 0°	239.00	10	215.10	24 hour	3511-07	45.00	10	40.50	3511-09	45.00	10	40.50
								7 day	3511-13	45.00	10	40.50	3511-15	45.00	10
3511-22	SC377	4 to 50°	-15 to 10°	239.00	10	215.10	24 hour	3511-19	45.00	10	40.50				
								7 day	3511-25	45.00	10	40.50	3511-27	45.00	10
3511-46	SC397	76 to 122°	25 to 50°	239.00	10	215.10	24 hour	3511-31	45.00	10	40.50	3511-33	45.00	10	40.50
								7 day	3511-37	45.00	10	40.50	3511-39	45.00	10
							24 hour	3511-43	45.00	10	40.50	3511-45	45.00	10	40.50
							7 day	3511-49	45.00	10	40.50	3511-51	45.00	10	40.50



## TraceableLIVE® WiFi Datalogging Refrigerator/Freezer Thermometer (Control Company)

*The simple, efficient, and reliable way to stay connected to your critical environments*

With TraceableLIVE®, you're always connected to your lab with your smartphone, tablet, or personal computer. By simply using the TraceableLIVE® app, or visiting Traceablelive.com on any browser, you're able to view your current environmental conditions, control your alarm parameters, view your datalogging history, view and run reports, gives other team members access to ALL your TraceableLIVE® equipment, at any time through TraceableLIVE®.

### FEATURES

- Wireless Temperature Monitoring and more—connect to existing WiFi
- Alerts: temperature alarm, connectivity interruption, low battery
- Ideal for monitoring ultra-low temperature freezers and includes a FEP cable, with Ultra-Low models 6510 (3360-89) and 6511 (3360-90)
- Cloud-based data interface—no local software required; web, Android, Apple IOS data visibility
- Continuous data transmission and monitoring using SSL encrypted SECURE connection
- Receive MOBILE PUSH / E-MAIL / TEXT notifications
- Unlimited scalability—use TraceableLIVE™ in individual labs or an entire network of facilities
- Multiple point temperature calibration—traceable to NIST

### Traceable® Certificate

Multi-point calibration on an individually-numbered Traceable® Certificate which assures accuracy from an ISO/IEC 17025:2005 (1750.01) calibration laboratory accredited by A2LA. It indicates traceability of measurements to the SI units through NIST or other recognized National Measurement Institutes (NMI) that are signatories to the CIPM Mutual Recognition Agreement.

### Requires TraceableLIVE® Subscription

Subscriptions for one TraceableLIVE® device begin at just \$8.99 a month, and the price drops even further when you add 10 or more devices. For even more savings, be sure to choose annual subscriptions.



Ultra-Low temperature model 6510 (3360-89)

Item No.	Mfr Item No.	List Price	% Off List	Qty Break	Your Cost
3360-85	6500	250.00	15	1	<b>212.50</b>
			20	2+	<b>200.00</b>
3360-86	6501	243.00	15	1	<b>206.55</b>
			20	2+	<b>194.40</b>
3360-87	6502	242.00	15	1	<b>205.70</b>
			20	2+	<b>193.60</b>
3360-88	6503	267.00	15	1	<b>226.95</b>
			20	2+	<b>213.60</b>
3360-89	6510	330.00	15	1	<b>280.50</b>
			20	2+	<b>264.00</b>
3360-90	6511	380.00	15	1	<b>323.00</b>
			20	2+	<b>304.00</b>

Item Number:	3360-85	3360-86	3360-87	3360-88	3360-89	3360-90
<b>Model:</b>	<b>6500</b>	<b>6501</b>	<b>6502</b>	<b>6503</b>	<b>6510</b>	<b>6511</b>
Probe Temperature Range:	-50.00° to 60.00°C (-58.00 to 140.00°F)	-50.00° to 60.00°C (-58.00 to 140.00°F)	-50.00° to 60.00°C (-58.00 to 140.00°F)	-50.00° to 60.00°C (-58.00 to 140.00°F)	-90.00 to 105.00°C (-130.00 to 221.00°F)	-90.00 to 105.00°C (-130.00 to 221.00°F)
Probe Temperature Resolution:	0.01°	0.01°	0.01°	0.01°	0.01°	0.01°
Probe Temperature Accuracy:	±0.25°C	±0.25°C	±0.25°C	±0.25°C	±0.1°C	±0.1°C
Probes Included:	Two Bottles designed for refrigerator/freezer applications	1 bottle + 1 Bullet™	Two Bullets™	Two Platinum RTD stainless-steel Probes	1 - Stainless-steel 316 Probe	2 - Stainless-steel 316 Probes
Probe Dimensions:	1" x 2-1/2"	Bottle: 1x2-1/2"; Bullet™: 0.187" dia. x 3/4" long	0.187" dia. x 3/4" long	0.13" dia; stem: 7-1/4", overall: 12"	5.875 inches	5.875 inches
Cal Points:	-40°, 0°C, and 50°C	-40°, 0°C, and 50°C	-40°, 0°C, and 50°C	-40°, 0°C, and 50°C	-80°C, -40°C, 0°C, and 100°C	-80°C, -40°C, 0°C, and 100°C
Data Logging:	Y	Y	Y	Y	Y	Y
Traceable:	Y	Y	Y	Y	Y	Y
Supplied With:	2 bottle probes, Quick Start Guide, batteries, magnets, Velcro, wall mount, and Traceable® Certificate	1 bottle + 1 Bullet™, Quick Start Guide, batteries, magnets, Velcro, wall mount, and Traceable® Certificate	2 Bullet™ Probes, Quick Start Guide, batteries, magnets, Velcro, wall mount, and Traceable® Certificate	2 Platinum RTD stainless-steel Probes, Quick Start Guide, batteries, magnets, Velcro, wall mount, and Traceable® Certificate	1 Stainless-steel 316 Probe, Quick Start Guide, batteries, magnets, Velcro, wall mount, and Traceable® Certificate	2 Stainless-steel 316 Probes, Quick Start Guide, batteries, magnets, Velcro, wall mount, and Traceable® Certificate



## TraceableLIVE® WiFi Datalogging Ambient Hygrometer/Thermometer (Control Company)

*The simple, efficient, and reliable way to stay connected to your critical environments*

With TraceableLIVE®, you're always connected to your lab with your smartphone, tablet, or personal computer. By simply using the TraceableLIVE® app, or visiting [Traceablelive.com](http://Traceablelive.com) on any browser, you're able to view your current environmental conditions, control your alarm parameters, view your datalogging history, view and run reports, gives other team members access, and so much more with any of your devices, to ALL your TraceableLIVE® equipment, at any time through TraceableLIVE®.

### Features

- Monitor remotely humidity and temperature—connect to existing WiFi
- Alerts: humidity alarm, connectivity interruption, low battery
- Cloud-based data interface—no local software required; web, Android, Apple IOS data visibility
- Continuous data transmission and monitoring using SSL encrypted SECURE connection
- Receive MOBILE PUSH / E-MAIL / TEXT notifications
- Unlimited scalability—use TraceableLIVE® in individual labs or an entire network of facilities
- Multiple point temperature calibration—traceable to NIST

### Requires TraceableLIVE® Subscription

Subscriptions for one TraceableLIVE® device begin at just \$8.99 a month, and the price drops even further when you add 10 or more devices. For even more savings, be sure to choose annual subscriptions.

Ambient Temperature Range	0.00 to 55.00°C (32.00 to 131.00°F)
Ambient Temp Resolution	0.01°
Ambient Temp Accuracy	±0.4°C
RH Range	0.0 to 100%RH
RH Accuracy	±3% RH (20 to 80% RH), ±5% RH otherwise
RH Resolution	0.1
Probe Type	Ambient Sensor

Item No.	Mfr Item No.	List Price	% Off List	Qty Break	Your Cost
3360-91	6520	275.00	15	1	233.75
			20	2+	220.00

## FlashLink® USB Reusable Data Logger (DeltaTRAK)



### Digital readout

- Choose from three configurations
  - internal ambient sensor
  - internal ambient sensor plus sharp probe
  - internal ambient sensor plus blunt probe
- Trip history statistics available on display or through software

Measurement Range	-40°F to 122°F (-40°C to 50°C)
Temperature Resolution	0.1°F/°C
Accuracy	±1.0°F from 14°F to 77°F (±0.5°C from -10°C to 25°C); ±2.0°F above 77°F (±1.0°C above 25°C); ±2.0°F below 14°F (±1.0°C below -10°C)
Data Capacity	3823 points
Data Download Time	2 seconds typical for 3823 points
Programmable Alarm Levels	High & Low levels over entire range, displayed on LCD
Battery	(CR2032) 3.6V Lithium/18 months (included)
Dimensions/Body	1.575" x 3.189" x .575" (40mm x 81mm x 15mm)
Casing	PC/ABS plastic
Weight	1.3 oz. (36 grams)
Shock Resistance	Withstands 3-foot (1 meter) drop to hard surface
Certification	CE Mark, NIST traceable, RoHS Compliant
Display	LCD, Red LED Alarm
Waterproof Rating	<b>3550-65</b> - IP64 with silicon cap on <b>3550-66</b> - IP67 with silicon cap on <b>3550-67</b> - IP67 with silicon cap on
Storage conditions	-4°F to 122°F (-20°C to 50°C) 0% to 95% RH w/o condensation
Min. System Requirements	Windows PC with XP, or higher
Download Requirements	Direct USB connection to PC. Adobe Reader 7.0 or greater.

Item No.	Mfr Item No.	Description	Qty Break	Your Cost
3550-65	20908	Single internal sensor	1-9	50.00
			10+	45.00
3550-66	20902	Single internal sensor plus sharp external probe. With 1 meter cable	1-9	73.97
			10+	66.58
3550-67	20903	Single internal sensor plus blunt external probe. With 1 meter cable	1-9	73.97
			10+	66.58
3550-68	20241	Software with license		50.00

**FIND IT AT WEBERSCIENTIFIC.COM**

- *Blue2 Thermocouple Instrument from Cooper-Atkins*
- *Traceable Logger-Trac Datalogger from Control Co.*
- *FlashLink Datalogger with Bottle from DeltaTRAK*


**3513-02**

**3513-05**

## Humidity and Temperature USB Datalogger (Extech)

Monitor humidity and temperature levels in a warehouse or storage room. Each parameter records up to 16,000 readings. Comes complete with battery, protective USB cap, mounting bracket, and Windows® compatible analysis software for monitoring dew point.

Item No.	3513-02	3513-05
Mfr. Item No.	RHT10	TH10
Description	Humidity and Temperature USB Datalogger	Temperature only USB Datalogger
Humidity Range	0 to 100%RH	N/A
Humidity Accuracy	0.1%RH	N/A
Humidity Resolution	±3%RH	N/A
Memory	16,000 per parameter (humidity/temperature)	32,000 points
Datalogging Interval	2 seconds to 24 hours	
Temperature Range	-40 to 158°F (-40 to 70°C)	
Temperature Accuracy	±1.0°F (-4 to 122°F) ±0.5°C (-20 to 50°C)	
(%rdg+digits)	±1.8°F (all other ranges) ±1.0°C (all other ranges)	
Temperature Resolution	0.1°F/°C	
Alarm	User-programmable alarm thresholds for RH and Temperature; Status indication via Red/Yellow LED and Green LED	
Battery	One Lithium Battery LS 14250 - 1/2AA - 3.6V (included); replacement 3039-52	
Dimensions	5.1 x 1.1 x 0.9" (130 x 30 x 25mm)	
Weight	1oz (20g)	
Warranty	One year	

Item No.	Description	Your Cost
<b>3513-02</b>	Humidity and Temperature USB Datalogger	<b>97.48</b>
<b>3513-05</b>	Temperature only USB Datalogger	<b>61.74</b>

## Temperature and Humidity Data Logger (Dickson) With High-Speed USB Connectivity

Pro Series Logger is used to monitor remote locations. To view the information, download the Logger's data into your PC with DicksonWare software (available separately), which automatically generates a chart and graph of the data. Once downloaded, it's easy to save, e-mail or work with the file in Windows™ 95, 98 or NT programs such as Word, Excel or PowerPoint. Features include fast download time, delayed start, large sample point storage and compatible with Dickson's Multipoint Monitor. Optional locking wall mount case for security.


**3512-13**

**3512-15**

Humidity Range (non-condensing)	0% to 95%
Humidity Accuracy	(@ 40% RH, 73°F): ±2% RH
Temperature Range	-10 to 176°F (-23 to 80°C)
Temperature Resolution	0.1°F (0.1°C)
Temperature Accuracy	TP125: ±0.8°F (±0.5°C) SP125: ±1.2°F (±0.7°C)
Sample Point Storage	32,000; sample rates can be set from 1 second to 24 hours in 1 second increments
Alarm	Flashes red when high/low alarm
Power Indicator	Flashes green when sampling
Battery	Includes one CR2450 3V lithium coin cell battery; replacement 3039-54
Battery Life	1 year, user replaceable
Dimensions	3.1" x 2.1" x 0.9" (79 x 53 x 23 mm)

Item No.	Mfr. Item No.	Description	List Price	% Off List	Your Cost
<b>3512-13</b>	TP125	Pro Series Temperature and Humidity Data Logger	199.00	10	<b>179.10</b>
<b>3512-15</b>	SP125	Pro Series Temperature only Data Logger	119.00	10	<b>107.07</b>

Item No.	Mfr. Item No.	Description	List Price	% Off List	Your Cost
<b>3512-16</b>	A016	DicksonWare Logger Software (V.10) and USB Download Cable (download a free demo version at <a href="http://www.dicksondata.com">www.dicksondata.com</a> )	89.00	10	<b>80.10</b>
<b>3512-18</b>	A713	Water Resistant Pouch	52.00	10	<b>46.80</b>
<b>3512-19</b>	A715	Locking Wall Mount Case	52.00	10	<b>46.80</b>
<b>3512-01</b>	N100	NIST Traceable Certificate 1-Point	99.00	10	<b>89.10</b>
<b>3512-02</b>	N300	NIST Traceable Certificate 3-Point	156.00	10	<b>140.40</b>
<b>3512-04</b>	N520	Certificate of Validation	42.00	10	<b>37.80</b>
<b>3512-05</b>	SW400	Calibration Software, for user calibration	249.00	10	<b>224.10</b>





## Traceable® Excursion-Trac™ Data-logging Thermometers (Control Co.)

- No software is needed for computer interface
- Datalogging thermometer with user-defined time intervals
- Stores up to 10 unique alarm events
- Meets current CDC requirements for vaccine storage and monitoring
- Rolling memory structure, maintains most recent 525,600 temperature observations
- Memory can be cleared on unit after downloading data to USB stick
- Hassle-free retrieval of data - unit can remain in use while downloading and analyzing data
- Status indicators - Low battery, memory full, USB data transfer and active alarm state
- Traceable to NIST for accuracy

High-accuracy thermometer has a temperature range of -58 to 158°F (-50 to 70°C) and resolution of 0.01 and maintains an accuracy of ±0.25 C across the entire temperature range. Ideal for monitoring temperatures in refrigerators, freezers, water baths, heating blocks, and incubators.

High-impact, chemical-resistant ABS plastic case is: 2-3/4 x 4-1/4 x 3/4 inches. Weight is 5 ounces. Supplied: Stand, Velcro®, magnetic strips, wall mount, Traceable Certificate, and batteries.

Item No.	Mfr Item No.	Probe	List Price	% Off List	Qty Break	Your Cost
3513-06	6430	Excursion-Trac™ Therm, 1 bottle	150.34	20	1	120.27
				25	2+	112.76
3513-07	6431	Excursion-Trac™ Therm, 2 bottle	161.77	20	1	129.42
				25	2+	121.33
3513-08	6432	Excursion-Trac™ Therm, 1 Bullet™	144.66	20	1	115.73
				25	2+	108.50
3513-09	6433	Excursion-Trac™ Therm, 2 Bullet™	156.07	20	1	124.86
				25	2+	117.05
3513-10	6434	Excursion-Trac™ Therm, 1 bottle and 1 Bullet™	161.76	20	1	129.41
				25	2+	121.32
3513-11	6435	Excursion-Trac™ Therm, 1 stainless-steel	161.76	20	1	129.41
				25	2+	121.32
3513-12	6436	Excursion-Trac™ Therm, 2 stainless-steel	173.17	20	1	138.54
				25	2+	129.88

## Traceable® Jumbo Refrigerator-Freezer Thermometer (Control Co.)

1-1/2-inch-high digits may be read from 30-feet

- Choose from submersible or sealed bottle probes:
  - Bottle insulates sensor from rapid temperature changes when refrigerator door is opened.
  - Probe is sealed in a miniature bottle (1 x 2-1/2 inches) filled with nontoxic glycol
  - Sensor and 10-foot mini-cable perform accurately even when both are under water and permits refrigerator doors to close on it
- Triple display simultaneously shows maximum, minimum, and current probe temperatures plus room temperature.
- MIN/MAX monitors high/low readings overnight, on weekends, or for any time period
  - Signals out-of-range conditions.
  - Alarm feature provides alert when temperature rises above or falls below a set point. Alarm is programmable in 1° increments.
- Traceable® Certificate indicates traceability to standards provided by NIST (National Institute of Standards and Technology).
- Unit is supplied with a flip-open stand for lab bench, slot for wall mounting, and Velcro® and magnetic strips to attach to any surface.
- High-impact, chemical-resistant ABS plastic case is 3-7/8 x 4-3/8 x 7/8 inches. Weight is 4 ounces.
- Supplied with one AAA alkaline battery.
- Range is -58 to 158°F and -50 to 70°C with a resolution of 0.1° and accuracy of ±1°C.
- One year warranty.



Item No.	Mfr Item No.	Description	List Price	% Off List	Qty Break	Your Cost
3516-36	4548	bottle probe	68.12	15	1-3	57.90
				20	4+	54.50
3516-38	4148	probe with 10' cable	59.88	15	1-3	50.90
				20	4+	47.90

## Certified™ Digital Jumbo Display Thermometer (Control Co.)

Suitable for Freezers, Refrigerators, Incubators and Water Baths

- Dual display for in-outdoor temperature
- Bottle probe contains non-toxic glycol
- Dual outdoor temperature alarm settings
- Max/Min temperature memory
- °C / °F exchange
- Waterproof sensor



Range: 32 to 122°F / 0 to 50°C (ambient sensor)  
-58 to 158°F / -50 to 70°C (external probe)

Resolution: 0.1°, accuracy is ±1°C

Sensor cord length: 3000 mm

Size: 98 x 110 x 21 mm

Certified™ to NIST: To assure accuracy an individually serial-numbered certificate is provided from our ISO 9001 quality certified facility. It indicates standards provided by NIST (National Institute of Standards and Technology).

Item No.	Description	List Price	% Off List	Qty Break	Your Cost
3513-81	Bottle probe	56.55	35	1-3	36.76
			45	4+	31.10
3513-82	Non-bottle probe with 10" cable for water baths	57.64	35	1-3	37.47
			45	4+	31.70

## Traceable® Hi-Accuracy Refrigerator Thermometer (Control Co.)



**Records time and date for MIN/MAX readings and hi/lo alarm alerts**

To assure accuracy an individually serial-numbered Traceable® Certificate is provided from our ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

- Displays exact time/date when minimum and maximum reading occurred and time/date when alarm triggered
- Two channel alarm is programmable in 0.1° increments and sounds when temperature rises above/falls below set points
- Visual and audible alarms signal continuously even if temperature returns to non-alarm range
- Refrigerator/freezer door seals tightly on 10 ft micro-thin cable
- Sealed GRAS bottle mimics samples and eliminates rapid temperature changes when refrigerator door is opened
- May also be used in water baths, heating blocks, and incubators

Temperature range	-50 to 70°C and -58 to 158°F
Resolution	0.01°
Accuracy	±0.30°C
Case size	2¾ x 4¼ x ¾ inches (70 x 108 x 19 mm)
Weight	5 ounces

Item No.	Mfr Item No.	Description	List Price	% Off List	Qty Break	Your Cost
3513-30	4238	1 bottle probe	99.40	15	1-3	<b>84.49</b>
				20	4+	<b>79.52</b>
3513-31	4239	2 bottle probes	109.81	15	1-3	<b>93.34</b>
				20	4+	<b>87.85</b>
3513-32	4240	2 probe sensors	85.10	15	1-3	<b>72.34</b>
				20	4+	<b>68.08</b>

## Traceable® Monitoring Thermometer (Control Co.)

**Accuracy to ±1.8°F or ±1.0°C with alarm**

- Triple display simultaneously shows current, high and low temperatures.
- Minimum and maximum memory.
- Unit reads ambient temperature or probe temperature.
- High and low temperature alarm may be set in 1° increments.
- Alarm continues to sound for up to 12 hours, even if temperature returns to the setpoint range.
- Designed for monitoring liquids, air, gas, or semisolids in water baths, refrigerators, freezers, incubators, and tanks.
  - The probe with the refrigerator-freezer thermometer is sealed in a miniature bottle filled with a nontoxic glycol solution, which provides accurate readings when doors are opened.
- The unit is supplied with a flip-open stand for the lab bench, a slot for wall mounting.
- Easy-view, 1/2" LCD display may be read from 10 feet.
- A wire-mounting bracket permits easy probe placement.
- Sensor and 10-foot cable perform accurately even when both are under water.
- To assure accuracy an individually serial-numbered Traceable® Certificate is provided from an ISO17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).



3513-40



3513-45

Item No.	Mfr Item No.	Description	List Price	% Off List	Qty Break	Your Cost
3513-40	4048	Monitoring thermometer supplied with submersible probe and 10-foot cable.	59.85	26	1-3	<b>44.29</b>
				32	4+	<b>40.70</b>
3513-45	4127	Refrigerator-Freezer thermometer supplied with probe in a sealed bottle and 10-foot cable.	63.94	26	1-2	<b>47.32</b>
				32	3+	<b>43.48</b>
3513-49	4227	High-Resolution, High-Accuracy Refrigerator/Freezer Thermometer (Identical to 3513-45 but with a range of -40.0 to 122.0°F (-40.0 to 50.0°C) a resolution of 0.1°, an accuracy of ±0.5°C.)	77.78	26	1-3	<b>57.56</b>
				32	4+	<b>52.89</b>

### Specifications

Range:	-58.00 to 158.00°F (-50.00 to 70.00°C) User may select °F or °C.
Resolution:	1.0°
Accuracy:	±1.0°C
Size:	3/16" wide x 7/8" long
Sensor:	3/16" wide, 7/8" long
Weight:	5 ounces
Case:	high-impact, chemical-resistant ABS plastic
Supplied:	Velcro® and magnetic strips to attach to any surface, AA alkaline battery for continuous, 1-year, "always on" monitoring and a Traceable® Certificate
Warranty:	1 year

### Replacement Probes (Control Co.)

Item No.	Description	Fits Item No.	List Price	% Off List	Your Cost
3513-67	Submersible probe and 10' cable	3513-40 & 3513-45	21.71	15	<b>18.45</b>
3513-72	Bottle probe and 10' cable	3513-40 & 3513-45	26.62	15	<b>22.63</b>
3513-73	Submersible probe and 10' cable	3513-49	26.73	15	<b>22.72</b>
3513-74	Bottle probe and 10' cable	3513-49	36.22	15	<b>30.79</b>



## Traceable® Sentry™ Thermometer (Control Co.)

**Accuracy to ±1.8°F or ±1.0°C without alarm**

- Choose either Fahrenheit or Celsius
- Triple display simultaneously shows current, high and low temperatures.
- Minimum and maximum memory.
- Unit reads ambient temperature or probe temperature.
  - Low battery is signaled on the display.
- Designed for monitoring liquids, air, gas, or semisolids in water baths, refrigerators, freezers, incubators, and tanks.
  - The probe with the refrigerator-freezer thermometer is sealed in a miniature bottle filled with a nontoxic glycol solution, which provides accurate readings when doors are opened.
- The unit is supplied with a flip-open stand for the lab bench, a slot for wall mounting.
- A wire-mounting bracket permits easy probe placement.
- Sensor and thin 10-foot cable perform accurately even when both are under water.
- To assure accuracy an individually serial-numbered Traceable® Certificate is provided from an ISO17025 calibration laboratory accredited by A2LA. It is valid for 2 years and indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

### Specifications

Range:	-58.00 to 158.00°F or -50.00 to 70.00°C
Resolution:	1.0°
Accuracy:	±1.0°C
Size:	2-5/8" x 2-1/2" x 3/4"
Sensor:	3/16" wide, 7/8" long
Weight:	1-7/8 ounces
Case:	high-impact, chemical-resistant ABS plastic
Supplied:	Wall hook, Velcro® and magnetic strips to attach to any surface,
Warranty:	1 year

Item No.	Mfr Item No.	Description	List Price	% Off List	Qty Break	Your Cost
3513-51	4120	Thermometer °F Supplied with probe and 10' cable	55.08	26	1-3	<b>40.76</b>
				32	4+	<b>37.45</b>
3513-52	4121	Thermometer °C Supplied with probe and 10' cable	55.08	26	1-3	<b>40.76</b>
				32	4+	<b>37.45</b>
3513-53	4322	Thermometer °F supplied with special bottle probe specifically for refrigerator/freezer applications.	63.12	26	1-3	<b>46.71</b>
				32	4+	<b>42.92</b>
3513-54	4321	Thermometer °C supplied with special bottle probe specifically for refrigerator/freezer applications.	63.12	26	1-3	<b>46.71</b>
				32	4+	<b>42.92</b>



## Traceable® Monitoring Thermometer (Control Co.)

**Shows the exact time and date when the minimum and maximum temperature occurred**

- Triple display simultaneously shows current, high and low temperatures.
- Minimum and maximum memory with time and date.
- Unit reads ambient temperature or probe temperature.
  - Low battery is signaled on the display.
- Designed for monitoring liquids, air, gas, or semisolids in water baths, refrigerators, freezers, incubators, and tanks.
- The probe with the refrigerator-freezer thermometer is sealed in a miniature bottle filled with a nontoxic glycol solution, which provides accurate readings when doors are opened.
- The unit is supplied with a flip-open stand for the lab bench, a slot for wall mounting.
- A wire-mounting bracket permits easy probe placement.
- Sensor and thin 6-foot cable perform accurately even when both are under water.
- To assure accuracy an individually serial-numbered Traceable® Certificate is provided from an ISO17025 calibration laboratory accredited by A2LA. It is valid for 2 years and indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

### Specifications

Range:	-40.00 to 176.00°F or -40.00 to 80.00°C User may select °F or °C.
Resolution:	0.5°
Accuracy:	±2.7°F or ±1.5°C
Size:	3-9/16" x 3-9/16" x 15/16"
Sensor:	3/16" wide x 1/2" long
Weight:	3 1/2 ounces
Case:	high-impact, chemical-resistant ABS plastic
Supplied:	Wall hook, Velcro® and magnetic strips to attach to any surface, AAA battery for continuous, 1-year, "always on" monitoring and a Traceable® Certificate
Warranty:	1 year

Item No.	Description	List Price	% Off List	Qty Break	Your Cost
3513-57	Supplied with submersible probe and 6' cable	50.69	26	1-3	<b>37.51</b>
			32	4+	<b>34.47</b>
3513-58	Supplied with special bottle probe specifically for refrigerator/freezer applications.	58.31	26	1-2	<b>43.15</b>
			32	3+	<b>39.65</b>

## HiTemp 135° Extended Range Temperature Data Logger (Thermco)

### Suitable for autoclave use

The HiTemp 135°C Temperature Data Logger is a rugged, submersible, reusable, battery powered stand-alone device which can be used to automatically record temperatures between -40 and 135°C. The small size allows it to fit almost anywhere. This portable, easy-to-use device is able to measure and record up to 32,767 temperature measurements. The unit can be used for autoclave verification, to implement HACCP programs, in food preparation and processing, environmental studies and in hostile environment monitoring. It features a 2" rigid external probe with fast response time to ensure accurate temperature readings and is ideal for use in harsh environments. The real-time clock ensures that all the data is time and date stamped. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. The device has a programmable start time or it can be started and stopped directly from your computer. The HiTemp 135°C makes data retrieval quick and easy. Simply plug the device into an empty COM or USB port and the optional user-friendly software does the rest. NIST traceable.



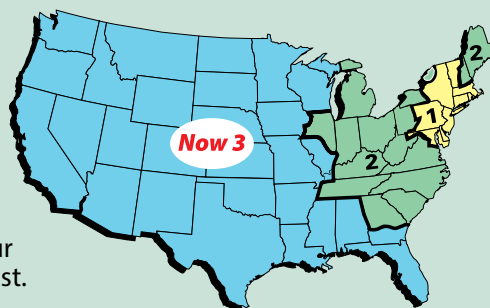
Temperature range:	-40 to +135°C
Temperature resolution:	0.05°C
Calibrated accuracy:	±0.5°C
Battery type:	3.9V high-temperature lithium battery included
Time accuracy:	±1 minute/month at 20°C (RS232 cable not in use)
Computer interface:	PC serial or USB (interface cable required); 2400 baud
Dimensions (body):	1.1" x 1.75" dia. (50mm x 5 mm dia.)
Dimensions (probe):	2.0" x 3/16" dia. (50 mm x 5 mm dia.)
Weight	8 oz.
Warranty:	One year limited

Item No.	Description	List Price	% Off List	Your Cost
<b>3512-40</b>	HiTemp 135°C Temperature Data Logger	464.33	10	<b>417.90</b>
<b>3512-41</b>	Software & cable (optional)	155.34	10	<b>139.81</b>
<b>3512-43</b>	Replacement battery	123.77	10	<b>111.39</b>
<b>3512-45</b>	NIST certification (optional)			<b>97.39</b>

## Receive Free Freight Upgrades When You Order From Weber Scientific!

When you order from Weber Scientific we will route it so that all (or part\*) of your order arrives at your facility within 1, 2 but never more than 3 business days. Any upgrade in the level of service over basic UPS or FedEx ground service will be done at **our expense - not yours!**

Combined with our Same Day Shipping Pledge, this expedited routing program will insure prompt delivery of all or part of your order to any location in the continental U.S. — all at no extra cost.



### Here is how the 1-2-3 Day Delivery program works:

Place your order by 3:00 PM (Eastern Time) and your order will ship that very same afternoon. Based on a nationwide delivery schedule (see map) your order will be routed via basic ground service if delivery is scheduled at 3 business days or less. If the delivery schedule indicates more than 3 business days, we will upgrade one or more cases to 3 Day Service at no extra charge to you. You pay only for basic ground service on any upgrades.

\*Some exceptions apply. See page 3 for complete details.

## All-In-One Digital Bottle Thermometers (Thermco)

For Freezers, Refrigerators, Incubators, Block Heaters and Rooms

The thermometer probe is housed in an unbreakable plastic 60 mL bottle filled with a choice of buffering agents. (The block heater-dry bath model uses a 1.5 mL micro-tube filled with 1 mL mineral oil).

- Records high/low readings
- NIST Compliant®
- Serialized certificate provided with critical temperature certified
- Stainless steel probe
- Bottles have double magnets for mounting
- C or F switchable



Temperature range	-50 to 70.0°C / -94 to 158°F (3514-06 -50 to 150°C / -94 to 302°F)
Resolution	0.1°
Accuracy	±1.0°C. "Supra" model accuracy is ±0.4°C at tested points
Display size	3/4" X 3/8" / 19 mm X 9.5 mm

Item No.	Application	Certified Temperature	Bottle Media	List Price	% Off List	Qty Break	Your Cost
3514-01	Freezers	-20.0°C	Bio Glycol	47.09	25	1-3	<b>35.32</b>
					30	4+	<b>32.96</b>
3514-02	Refrigerators	+4.0°C	Bio Glycol	47.09	25	1-3	<b>35.32</b>
					30	4+	<b>32.96</b>
3514-03	Ambient	+22.0°C	Bio Glycol	47.09	25	1-3	<b>35.32</b>
					30	4+	<b>32.96</b>
3514-04	Incubators	+37.0°C	Bio Glycol	47.09	25	1-3	<b>35.32</b>
					30	4+	<b>32.96</b>
3514-05	Dry Blocks	+37.0°C	Mineral Oil	47.09	25	1-3	<b>35.32</b>
					30	4+	<b>32.96</b>
3514-06	Dry Blocks	+95.0°C	Mineral Oil	47.09	25	1-3	<b>35.32</b>
					30	4+	<b>32.96</b>
3514-07	Supra Freezers	-20.0°C	Bio Glycol	58.28	25	1-3	<b>43.71</b>
					30	4+	<b>40.80</b>
3514-08	Supra Refrigerators	+4.0°C	Bio Glycol	58.28	25	1-3	<b>43.71</b>
					30	4+	<b>40.80</b>
3514-09	Supra Ambient	+22.0°C	Bio Glycol	58.28	25	1-3	<b>43.71</b>
					30	4+	<b>40.80</b>
3514-10	Supra Incubators	+37.0°C	Bio Glycol	58.28	25	1-3	<b>43.71</b>
					30	4+	<b>40.80</b>
3514-11	Supra Dry Blocks	+37.0°C	Mineral Oil	58.28	25	1-3	<b>43.71</b>
					30	4+	<b>40.80</b>
3514-12	Freezers	-20.0°C	Sand	47.09	25	1-3	<b>35.32</b>
					30	4+	<b>32.96</b>
3514-13	Refrigerators	+4.0°C	Sand	47.09	25	1-3	<b>35.32</b>
					30	4+	<b>32.96</b>
3514-14	Ambient	+22.0°C	Sand	47.09	25	1-3	<b>35.32</b>
					30	4+	<b>32.96</b>
3514-15	Incubator	+37.0°C	Sand	47.09	25	1-3	<b>35.32</b>
					30	4+	<b>32.96</b>
3514-16	Supra Freezers	-20.0°C	Sand	58.28	25	1-3	<b>43.71</b>
					30	4+	<b>40.80</b>
3514-17	Supra Refrigerators	+4.0°C	Sand	58.28	25	1-3	<b>43.71</b>
					30	4+	<b>40.80</b>
3514-18	Supra Ambient	+22.0°C	Sand	58.28	25	1-3	<b>43.71</b>
					30	4+	<b>40.80</b>
3514-19	Supra Incubators	+37.0°C	Sand	58.28	25	1-3	<b>43.71</b>
					30	4+	<b>40.80</b>

## Traceable® Digital-Bottle™ Refrigerator/Freezer Thermometer (Control Co. 4426/4427)

Put this waterproof all-in-one anywhere

To assure accuracy an individually serial-numbered Traceable® Certificate is provided from our ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

- Entire unit is water-resistant
- Records high/low readings
- Shows high, low, and current temperatures
- MIN/MAX monitors high/low readings overnight, on weekends, or for any time period
- Probe is sealed in a miniature bottle filled with nontoxic glycol
- Supplied with double back tape and Velcro® (bottle may be removed from holder)

Temperature range	-20 to 50.0°C (-4 to 122°F)
Resolution	0.1°
Accuracy	±0.5°C from 0°C to 50°C, otherwise ±1.0°C
Unit size	1 7/8 x 1 x 4 5/8 inches (holder is 2-1/4 x 2-1/4 x 1-1/8 inches)
Weight	3-2/3 ounces.

Item No.	List Price	% Off List	Qty Break	Your Cost
3550-30	56.529	25	1-3	<b>42.39</b>
		30	4+	<b>39.56</b>

800-328-8378

### ACCESSORIES:



Maximum Registering Thermometers see page 227, 229.



## ACCU-TEMPE™ CERTIFIED THERMOMETERS... FOR INCUBATORS, REFRIGERATORS, FREEZERS AND OVENS (Thermco)



3517-20, 3056-88, 3056-72

A compact Teflon® safety coated thermometer is configured in a square, non-breakable plastic bottle filled with propylene or ethylene glycol ensuring accurate readings despite the opening and closing of instrument doors. As a new feature, the bottle has a double magnet attached to one side so it can be affixed to the walls or door of the instrument to reduce space or breakage problems. Yellow backing for easy reading.

Furnished with a "Certificate of Accuracy" showing traceability to NIST. A serial number is referenced on the certificate and is permanently engraved on the stem of the thermometer, so permanent records may be maintained to comply with regulatory agencies. All thermometers are designed for total immersion. Two fill configurations available: mercury and spirit.



**APPLICATION NOTE: Reuniting a Separated Mercury Column**

Can be viewed on our web site at [weberscientific.com](http://www.weberscientific.com)

### MERCURY-FILLED THERMOMETERS:

Item No.	Description	Bottle Media	Range °C	Grad. °C	Length mm/in.	List Price	% Off List	Qty Break	Your Cost
3056-88	Incubator	Bio Glycol	20 to 50	0.5	135/5.3	64.90	30	1-5	<b>45.43</b>
							42	6+	<b>37.64</b>
3056-90	Incubator	Bio Glycol	40 to 90	0.5	138/5.4	64.90	30	1-5	<b>45.43</b>
							42	6+	<b>37.64</b>
3517-45	Room/ Incubator	Bio Glycol	15 to 30	0.1	180/7	91.31	20	1-5	<b>73.05</b>
							34	6+	<b>60.26</b>
3517-50	Incubator	Bio Glycol	25 to 45	0.1	190/7.1	91.94	20	1-5	<b>73.55</b>
							34	6+	<b>60.68</b>
3056-91	Refrigerator	Bio Glycol	-5 to 15	0.5	125/5	64.90	30	1-5	<b>45.43</b>
							42	6+	<b>37.64</b>
3517-40	Refrigerator	Bio Glycol	-2 to 10	0.1	180/4.9	91.94	20	1-5	<b>73.55</b>
							34	6+	<b>60.68</b>
3056-94	Freezer	Bio Glycol	-30 to 0	0.5	115/4.5	64.90	30	1-5	<b>45.43</b>
							42	6+	<b>37.64</b>
3517-35	Freezer	Bio Glycol	-25 to -5	0.1	210/8.3	91.31	20	1-5	<b>73.05</b>
							34	6+	<b>60.26</b>
3056-96	Oven	Sand	24 to 130	1.0*	135/5.3	64.90	30	1-5	<b>45.43</b>
							42	6+	<b>37.64</b>
3517-55	Oven	Sand	95 to 115	0.1	200/7.9	86.74	20	1-5	<b>69.39</b>
							34	6+	<b>57.25</b>
3056-97	Ultra-High	Sand	35 to 200	1.0	180/7.1	83.93	30	1-5	<b>58.75</b>
							42	6+	<b>48.68</b>

\* 1° graduation meets with FDA 2400 approval for oven thermometers

### SPIRIT-FILLED THERMOMETERS:

Item No.	Description	Bottle Media	Range °C	Grad. °C	Length mm/in.	List Price	% Off List	Qty Break	Your Cost
3056-72	Incubator	Bio Glycol	20 to 50	0.5	135/5.3	64.90	30	1-5	<b>45.43</b>
							42	6+	<b>37.64</b>
3517-25	Room/ Incubator	Bio Glycol	15 to 30	0.1	180/7.1	91.70	20	1-5	<b>73.36</b>
							34	6+	<b>60.52</b>
3517-30	Incubator	Bio Glycol	25 to 45	0.1	190/7.5	91.70	20	1-5	<b>73.36</b>
							34	6+	<b>60.52</b>
3056-75	Refrigerator	Bio Glycol	-5 to 15	0.5	125/4.9	64.90	30	1-5	<b>45.43</b>
							42	6+	<b>37.64</b>
3517-20	Refrigerator	Bio Glycol	-2 to 10	0.1	180/7.1	91.70	20	1-5	<b>73.36</b>
							34	6+	<b>60.52</b>
3056-78	Freezer	Bio Glycol	-30 to 0	0.5	115/4.5	64.90	30	1-5	<b>45.43</b>
							42	6+	<b>37.64</b>
3517-15	Freezer	Bio Glycol	-25 to -5	0.1	210/8.3	91.70	20	1-5	<b>73.36</b>
							34	6+	<b>60.52</b>
3517-32	Oven	Sand	50 to 115	0.5	245/9.6	91.70	20	1-5	<b>73.36</b>
							34	6+	<b>60.52</b>
3056-80	Ultra-Low	Sand	-90 to 20	1.0	145/5.7	64.90	30	1-5	<b>45.43</b>
							42	6+	<b>37.64</b>
3056-83	Oven	Sand	24 to 130	1.0	135/5.3	64.90	30	1-5	<b>45.43</b>
							42	6+	<b>37.64</b>
3056-84	Ultra-High	Sand	35 to 200	1.0	180/7.1	83.93	30	1-5	<b>58.75</b>
							42	6+	<b>48.68</b>

**IMPORTANT NOTE: MERCURY THERMOMETERS CANNOT BE SHIPPED TO CA, CT, IL, IN, ME, MD, MA, MI, MN, NH, RI, OR & WA.**

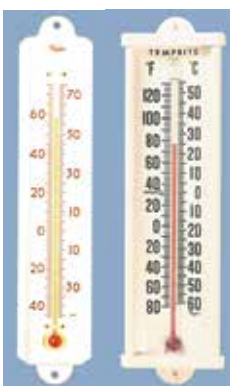
Due to regulations we cannot ship mercury thermometers or accept mercury thermometers for recalibration from CA, CT, IL, IN, ME, MD, MA, MI, MN, NH, RI, OR & WA.



## Freeze-Guide® Thermometer (Taylor 5925N)

**NSF approved.** Ideal for refrigerators and freezers -20 to 85°F. and -30 to 30°C. dual scale. Stainless steel clips provide hang or stand use. Shatterproof clear plastic lens protects the glass tube. Non-toxic fill. 4 7/8" X 1 1/4".

Item No.	List Price	% Off List	Qty Break	Your Cost
3550-20	5.55	20	1-99	<b>4.44</b>
		40	100+	<b>3.33</b>



3540-20      3550-10

## Cold Room Thermometers (Taylor 1105/6)

Heavy duty design for storage room use. Easy to read in poor lighting. 1° divisions. 12" long.

Item No.	Temperature Range	List Price	% Off List	Your Cost
3540-10	-40 to 70°F. / -40 to 20°C.	30.58	20	<b>24.46</b>
3540-20	-30 to 120°F. / -35 to 50°C	27.50	20	<b>22.00</b>

## Utility Wall Thermometer (Taylor 5132N)

Economy model. White aluminum back with plastic end caps for secure mounting. -60 to 130°F. and -50 to 55°C. dual scale. 9 1/8" long.

Item No.	List Price	% Off List	Your Cost
3550-10	7.60	20	<b>6.08</b>

**FIND IT AT WEBERSIDENTIFIC.COM**

- **Datalogging RH / Temperature Pen (Sper Scientific)**
- **Traceable® Platinum High-Accuracy Refrigerator Thermometer (Control Co.)**
- **Triple Large Display Digital Thermometer Kits (Thermco)**



### Full Line Laboratory Supplier

This catalog features many of our products but we offer everything your laboratory needs, from basic supplies to a fully outfitted lab including furniture. We encourage you to visit [weberscientific.com](http://weberscientific.com) or contact us if you don't see what you need!

MaryBeth Karczynski  
Director of Key Accounts and Market Development  
[mkarczynski@weberscientific.com](mailto:mkarczynski@weberscientific.com)

## Traceable® Refrigerator Thermometer (Control Co. 4157/4158)

**Super economical solution to monitor refrigerator temperature**

Inexpensive refrigerator thermometer switchable range is from 32 to 113°F and 0 to 45°C with a resolution of 0.1°. Accuracy is ±1°C in the range of 5 to 25°C and ±1.5°C outside range. Always-hold™ secure suction cup on the back allows the unit to be located anywhere inside the refrigerator. Can be placed anywhere with supplied Velcro.

Display updates every 30 seconds. This allows capturing reading without any effect from an open refrigerator door. Wide range of the thermometer also makes it an ideal unit to monitor temperatures in storerooms, labs, offices, hoods, and cabinets

To ensure accuracy, an individually serial-numbered Traceable® Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

The see-through display is easy to view with an LCD digit height of 1/2 inch. Includes one LR54 Alkaline button cell battery; replacement 3039-53. Size is 1 x 2-1/2 x 3/8 inches. Weight is 1/2 ounce. One year warranty.



Item No.	Description	List Price	% Off List	Qty Break	Your Cost
3513-62	Econo Thermometer, accuracy ±1°C	17.83	15	1-2	<b>15.16</b>
			20	3+	<b>14.26</b>

## Min/Max Alarm Digital Thermometer (DeltaTRAK 12207)

Monitor air temperature levels inside freezers, refrigerators, display cases, water tanks, and coolers. Use as a spot check or permanent installation. Its onboard internal sensor shows ambient air temperature, while the fast response stainless steel external sensor attached to a 10-ft (3 meter) cord shows the temperature to which it is exposed. Alarms can be set for high and low temperature readings.



Temperature Range	Internal Sensor: 14°F to 122°F (-10°C to 50°C)
External Sensor	-58°F to 158°F (-50°C to 70°C)
Accuracy	±1.8°F (±1.0°C)
Resolution	0.1°F (0.1°C)
Display Reading Update	10 Seconds
Battery (included)	1.5 volt AAA/ UM4 or equivalent
Cable Length	10ft. (3m)
Warranty	One year limited

Item No.	List Price	% Off List	Your Cost
3029-87	36.50	25	<b>27.38</b>

## Digital Refrigerator – Freezer Thermometer (Cooper-Atkins)

**Stand or hang-up inside cold storage cabinets**

Large display also has freezer temperature symbols that display incrementally to indicate temperature between 21.2 – -4°F (-6 – -20°C).

- F/C selectable
- Minimum/maximum recall
- Water resistant
- Snaps in and out of frame for cleaning
- FDA approved ABS plastic case has anti-microbial additive



Range	-22 - 122°F / -30 - 50°C
Accuracy	±1°F / 0.5°C from -4 - 50°F / -20 - 10°C; Otherwise ±1.8°F / ±1°C
Resolution	0.1°
Display	1.875" x .75" / 48 x 19 mm
Battery life	200 days
Battery	(1) 3V CR2032 included
Warranty	Accurate for life
Size	5"L x 1.75"W x 7.25"H / 127 x 45 x 184 mm

Item No.	List Price	% Off List	Qty Break	Your Cost
3550-21	24.90	40	1-9	<b>14.94</b>
		44	10+	<b>13.94</b>

## Traceable® Digital Humidity/ Temperature Meter (Control Co. 4096)

Continuously and simultaneously displays relative humidity and temperature in °F/°C with dual-recall memories. Minimum and maximum memories may be displayed or cleared at any time with the touch of a button. Monitor conditions overnight, on week-ends, or for any time period.

Temperature range is 32 to 122°F and 0 to 50°C with a resolution of 1° and accuracy of ±1°C. Humidity range is from 25 to 95%, resolution is 1% RH, and accuracy is ±2% RH mid-range to ±4% RH elsewhere. Fast-response solid-state sensors show changes in less than 30 seconds. Display is updated once per second. Extra-large, easy-to-view 0.6 inch-high digits can be read at a glance from as far away as 20 feet.

To assure accuracy an individually serial-numbered Traceable® Certificate is provided from our ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology). Self-contained, stable, and accurate unit requires no adjustment or maintenance. Case is chemical- and shock-resistant ABS plastic. Supplied with wall mount and bench stand, switch to read °F/°C, fast-response solid-state sensors, and two AAA batteries. Size is 2 5/8 x 3 7/8 x 5/8 inches. Weight is 2 1/2 oz. One year warranty.



Item No.	List Price	% Off List	Qty Break	Your Cost
3515-35	73.33	26	1-4	<b>54.26</b>
		32	5+	<b>49.86</b>

## Digital Indoor Thermometer and Hygrometer (Taylor)

The Digital Indoor Thermometer and Hygrometer is an economical way to monitor the comfort level of your workspace.

- Monitors indoor temperature in both °C and °F scales
- Min/max recall for indoor temperature and humidity
- 5 level humidity comfort level indicator
- 12/24 hour clock display
- Requires 2 AAA batteries, not included



Item No.	Mfr Item No.	Description	List Price	% Off List	Your Cost
3515-41	1732	Thermometer and Hygrometer	9.50	25	<b>7.13</b>



## Wireless Digital Indoor/Outdoor Weather Station (Taylor)

The 200 ft. sensor allows you to set the thermometer up to get the most accurate readings possible.

- Displays Current & Future Weather Forecasts
- Weather forecast icons (sunny, slightly cloudy, cloudy, rainy)
- Calendar with day of the week display
- Alarm clock with snooze
- 12/24 hour format
- Blue LED backlight with large digits on LCD for enhanced readability
- Indoor and outdoor temperatures in °C and °F scales
- Min/max for indoor and outdoor temperatures
- Base requires 2 AAA batteries, not included
- Wireless remote requires 2 AAA batteries, not included
- Dimensions: 5 x 1.9 x 3.3 inches

Item No.	Mfr Item No.	Description	List Price	% Off List	Your Cost
3515-46	1731	Indoor/Outdoor Weather Station	19.00	25	<b>14.25</b>
3515-48	1738	Replacement Wireless Remote	9.51	25	<b>7.13</b>



## Fahrenheit Pocket Thermometer (Taylor 9840)

Features: 4 3/4" stainless steel stem; on/off switch; one second update; sheath with clip that doubles as a holder. Includes one LR44-A76 lithium ion battery and one spare; replacement 3029-60. One year warranty.



Range: -58° to 302°F range in 0.1° resolution  
Accuracy: ±1.8° from 14° to 212°F; ±3.6°F outside this range

Item No.	List Price	% Off List	Qty Break	Your Cost
3028-31	16.00	23	1-4	<b>12.32</b>
		34	5-19	<b>10.56</b>
		41	20+	<b>9.44</b>

## Waterproof Hi-Temperature Digital Thermometer (Comark-Fluke)

### Commercial Dishwasher safe

- Field calibratable
- Tip tapers to 2.2 mm
- MAX hold and data hold button
- Auto power off
- BioCote® antimicrobial protection
- NSF certification



Range: -4 to 400°F / -20 to 200°C (switchable)  
Accuracy: ±2°F / 1°C  
Warranty: 1 year  
Battery: (1) LR44 1.5V button cell (included)

Item No.	Mfr Item No.	List Price	% Off List	Qty Break	Your Cost
3028-01	KM14	21.50	19	1-4	<b>17.42</b>
			31	5-19	<b>14.84</b>
			41	20+	<b>12.69</b>

## Traceable® Long Handle Digital Thermometer (Control Co.)

- °F/°C Selectable
- MAX/MIN (°F/°C) Memory
- HOLD/TEST Function
- Low Battery Indicator
- One Hour Auto shut OFF
- Protective Plastic Sleeve with Clip
- Rubber coated housing



Range: -58 to 302°F / -50 to 150°C  
Resolution: 0.1° for -20 to 200° (1° outside this range)  
Accuracy: ±1°C between -20 to 120°C  
Stem length and diameter: 8" X 13/16 inches

Certified™ to NIST: To assure accuracy an individually serial-numbered Traceable® Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Item No.	List Price	% Off List	Qty Break	Your Cost
3516-14	41.86	40	1-4	<b>25.12</b>
		45	5-19	<b>23.01</b>
		50	20+	<b>20.93</b>

## Dual-Scale Pocket Thermometer (Taylor 9841)

Features: 5" stainless steel stem; on/off switch; one second update; sheath with clip that doubles as a holder. Includes one LR44 button cell battery and one spare; replacement #3029-60. One year warranty.



Range: -40° to 500°F switchable to -40° to 260°C.

Item No.	List Price	% Off List	Qty Break	Your Cost
3028-29	18.00	15	1-9	<b>15.30</b>
		25	10-19	<b>13.50</b>
		40	20+	<b>10.80</b>

## Traceable® Waterproof Dual-Scale Probe Thermometer (Control Co. 4420/4421)

With min/max readings. Range is -58 to 572°F and -50 to 300°C, resolution is 0.1° from -20 to 200° (1° otherwise), and accuracy is ±1.5°C. Ultra™ model accuracy is ±0.4°C. Readings are updated every second. Holder allows versatile positioning of stainless probe. Stem length is 3-1/2" and diameter is 0.14"; overall length, 7-1/4". Probe guard snaps to handle to extend overall length to 10-3/4". LCD readout is 1/4-inch-high. Includes one LR44 button cell battery (replacement #3029-60), key chain and lanyard. Weight is 1 ounce. One year warranty.



Comes with an individually serial-numbered Traceable® Certificate to NIST standards.

Item No.	Description	List Price	% Off List	Qty Break	Your Cost
3516-50	Thermometer, accuracy ±1.5°C	23.49	15	1-4	<b>19.97</b>
			20	5+	<b>18.79</b>
3516-52	Ultra Thermometer, accuracy ±0.4°C	33.10	15	1-4	<b>28.14</b>
			20	5+	<b>26.48</b>

## Traceable® T-Handle Digital Thermometer (Control Co.)

- On/Off switch
- Automatic power off
- °C/°F preset
- Stainless-steel probe
- Data hold
- Protective probe cover



Measurement range: -58 to 302°F / -50 to 150°C  
Display digit size: 6 x 3 mm  
Product Size: 2 x 58 mm  
Probe Size: 0.35 x 125 mm  
Battery: 1.5 volt, size A76 or equivalent x 1 pc

Certified™ to NIST: To assure accuracy an individually serial-numbered certificate is provided from our ISO 9001 quality certified facility. It indicates standards provided by NIST (National Institute of Standards and Technology).

Item No.	List Price	% Off List	Qty Break	Your Cost
3516-11	27.54	50	1-4	<b>13.77</b>
		55	5-19	<b>12.39</b>
		60	20+	<b>11.02</b>

## Traceable® Lollipop Shock and Waterproof Thermometer (Control Co. 4371/4378)

**Records minimum/maximum reading**

Stainless-steel probe is resistant to most laboratory chemicals. Wide range: -58 to 572°F and -50 to 300°C. Resolution is 0.1° from -20 to 200°; 1° outside this range. Accuracy is ±1°C between 0 and 100°C. Ultra™ model accuracy is ±0.4°C at tested points. Reading updates every second. At the touch of a button, memory recalls highest and lowest temperature readings over any time period. Engineered to be shockproof in drop tests up to 5 feet. Bright 1/4-inch-high display is easy to view. One year warranty.

Stem diameter, 0.14-inch; stem length, 8 inches; overall length, 10-1/4 inches; width, 1-3/4 inches; depth, 1/2 inch · Weight is 7/8 oz.

To ensure accuracy, an individually serial-numbered Traceable® Certificate is provided from our ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology). Supplied complete with stainless-steel probe, probe cover and one LR44 button cell battery; replacement #3029-60. Stem size is 0.14 inch diameter and 8 inch length. Overall unit length is 10-1/4 inches, width is 1-3/4 inches and depth is 1/2-inch. Weight is 7/8 ounce.



Item No.	Description	List Price	% Off List	Qty Break	Your Cost
<b>3516-60</b>	Lollipop Thermometer, accuracy ±1°C	28.44	15	1-4	<b>24.17</b>
			20	5+	<b>22.75</b>
<b>3516-62</b>	Ultra Lollipop Thermometer, accuracy ±0.4°C	64.61	15	1-4	<b>54.92</b>
			20	5+	<b>51.69</b>



## Flash Check® Jumbo Display Auto-Cal Needle Probe Thermometer (DeltaTRAK 11063)

Engineered for accuracy, durability and readability, the Flash Check Thermometer boasts an auto-calibration feature, a fast response time of less than 6 seconds, and is ideal for measuring the temperature of “thin mass” food (e.g., meat patties, chicken, and fish fillets) during cooking and holding as per FDA Food Code 4-302.12(B). The O-Ring sealed uni-body construction is RoHS-compliant, IP56 waterproof and grease resistant. The back of the thermometer has a rotating pocket clip and a magnet. The display indicates °F or °C and flashes in “hold” mode. Thermometer is NSF certified and can be calibrated in the field. One year limited warranty.

Measurement range	-40°F to 311°F (-40°C to 155°C)
Accuracy	1.0°F (-4°F to 113°F) ± 0.5°C (-20°C to 45°C); otherwise ±1.8°F (±1.0°C)
Response time	Less than 5 seconds (0°C to 25°C/32°F to 77°F)
Resolution	0.1°F (or C)
Display size/update	1.5" X 0.5" (38mm x 12.7mm)/every 2 seconds
Waterproof rating	IP56
Probe length and tip diameter	Stainless steel probe, length 3.90 ± 0.0004" (99 ± 0.1mm); Needle probe 0.067" (1.7mm) diameter
Body	ABS plastic
Factory calibration	NIST traceable calibration certified
Compliance	NIST traceable, NSF, CE
Battery	One LR44 button cell battery; replacement #3029-60

Item No.	List Price	% Off List	Qty Break	Your Cost
<b>3029-80</b>	30.00	30	1-4	<b>21.00</b>
		35	5-19	<b>19.50</b>
		45	20+	<b>16.50</b>

## Waterproof Digital Thermistor Thermometer (DeltaTRAK 11050)

- °C/°F selectable
- Min/Max reading memory
- Can be auto calibrated, NSF Certified
- See-through probe cover with pocket clip on back
- Waterproof housing - completely submersible
- Continuous min/max temperature recording until thermometer shuts off or resets
- Small-diameter probe ideal for measuring temperature of “thin mass” food such as meat patties and chicken/ fish fillets (FDA Food Code 4-302.12B)



Measurement Range	-40°F to 311°F (-40°C to 155°C)
Accuracy	±1°C (±1.8°F) from -31°F to 212°F (-35°C to 100°C); ±1.5°C (±2.7°F) from 212°F to 266°F (100°C to 130°C); ±2.0°C (±3.6°F) from 266°F to 311°F (130°C to 155°C)
Temperature Resolution	0.1°F (0.1°C)
Display Reading Update	1 second
Display Window Size	0.77 in W x 0.37 in H (19.5 mm W x 9.5 mm H)
Calibration	Auto calibration feature
Battery	One LR44 button cell battery; replacement #3029-60.
Body Casing	Polycarbonate and ABS plastic
Probe Dimensions	Stainless steel, 0.14 in. (Dia.) x 4.13 in. (L) (3.56 mm x 105 mm)
Weight	1.3 oz (37.6g)
Waterproof Rating	IP67
Certification	CE Mark, NSF Certified
Warranty	One year limited

Item No.	List Price	% Off List	Qty Break	Your Cost
<b>3029-85</b>	30.00	30	1-4	<b>21.00</b>
		35	5-19	<b>19.50</b>
		45	20+	<b>16.50</b>

## Waterproof Digital Pocket Thermometer (Taylor 9842)

Switchable range thermometer features a reading hold button, on-off switch with auto shut-off and 1 second update. Polycarbonate case and 4 1/2" stainless steel probe. Includes one LR44 button cell battery; replacement #3029-60.

Range: -40 to 450°F switchable to -40 to 230°C.

Accuracy: ±1°F between 0° and 230°F (-18° and 110°C) with a slightly better tolerance band beyond this range. One year warranty.



Item No.	List Price	% Off List	Qty Break	Your Cost
<b>3029-83</b>	28.00	23	1-4	<b>21.56</b>
		34	5-19	<b>18.48</b>
		41	20+	<b>16.52</b>

## Waterproof Dual Scale Digital Thermometer with Mix/Max and Hold Features (DeltaTRAK)

### Essential features for an amazing price

With minimum and maximum memory capability, it will record the lowest and highest temperature reached from last reset, between -40°F to 311°F (-40°C to 155°C) and is accurate within ±1°F (±0.5°C). This waterproof instrument is an ideal food service thermometer for HACCP compliance.

Use this extremely versatile thermometer to verify dishwasher temperature, ensuring that your cookware and dishes have been properly sanitized. The thermometer is completely waterproof for repeated commercial dishwasher use. It can be used where steam or condensation is a problem, or it can be completely submerged into water.

Large easy-to-read display. Comes with a removable see-through probe cover with pocket clip. Factory calibration is N.I.S.T. traceable by lot. Recalibration is possible in the battery compartment.



## FlashCheck® Jumbo Display Reduced Tip Probe Thermometer (DeltaTRAK 11066)

This Reduced Tip Probe Thermometer is engineered to set the industry standard for accuracy, durability and readability. It is designed and constructed under exacting standards to meet and exceed specifications required for commercial and professional uses.

- Reduced tip probe provides fast response time
- Ideal for measuring temperature of "thin mass" food such as meat patties, chicken, and fish fillets per FDA Food Code 4-302.12(B)
- Sealed unibody construction and RoHS-compliant
- IP56 waterproof & grease resistant

Measurement	Range -40°F to 311°F (-40°C to 155°C)
Accuracy	±1°F (-4°F to 113°F); ±0.5°C (-20°C to 45°C), otherwise ±1.8°F (±1°C)
Resolution	0.1°F (0.1°C)
Display Size/Update	1.5" X 0.5" (38mm X 12.7mm)/Every 2 seconds
Probe Size	3.9" L (99mm L), 0.14" Dia to 0.1" Dia reduced tip (3.5mm Dia to 2.6mm reduced tip)
Calibration	Factory calibrated to NIST traceable standards
Battery	1.5V button
Battery Saver	Automatic shut off after 10 minutes
Regulatory Compliance	NSF and RoHS compliant, CE mark, NIST traceable
Body	ABS plastic, operating range -4°F to 190°F (-20°C to 88°C)

Sensor Temperature Range	-40°F to 311°F (-40°C to 155°C)
Accuracy	±2°F (-40°F to -4°F); ±1°C (-40°C to -20°C) ±1°F (-4°F to 131°F); ±0.5°C (-20°C to 55°C) ±2°F (131°F to 311°F); ±1°C (55°C to 155°C) or ±1%, whichever is greatest
Resolution	0.1 between -20° to 200° (F or C); otherwise 1°
Waterproof Rating	IP65
Response Time	Update every 1 second
Probe	Stainless steel, 4.13" L x 0.14" Dia, Reduced tip 0.1" Dia (105 mm L x 3.56 mm Dia, Reduced tip 2.5 mm Dia)
Battery (included)	1.5V button alkaline or equivalent, about 5,000 hours continuous life
Certification	CE, RoHS, NIST traceable, manufacturers certificate of compliance available

Item No.	List Price	% Off List	Qty Break	Your Cost
<b>3028-02</b>	16.50	28	1-4	<b>11.88</b>
			32	<b>11.22</b>
			42	<b>9.57</b>

Item No.	List Price	% Off List	Qty Break	Your Cost
<b>3029-84</b>	20.75	28	1-4	<b>14.94</b>
			32	<b>14.11</b>
			42	<b>12.04</b>

## Traceable® Waterproof Digital Thermometer (Control Co.)

- Automatic power off
- Stainless steel probe
- Data HOLD
- ON/OFF Switch
- °C/°F exchange
- Protective probe cover
- MAX.MIN temperature memory



Specifications:
Measurement range: -58 to 302°F / -50 to 150°C
Display Resolution: 0.1° between -19.9 to 199.9° otherwise 1°
Display Digit Size: 9 mm x 4.5 mm
Product Size: 89 x 30 x 170 mm
Battery: 1.5 volt, LR44 x 1 pc (included)

Certified™ to NIST: To assure accuracy an individually serial-numbered Traceable® Certificate is provided from an ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Item No.	List Price	% Off List	Qty Break	Your Cost
<b>3516-17</b>	38.64	40	1-4	<b>23.18</b>
			50	<b>19.32</b>

## Waterproof Dishwasher Thermometer Kit (DeltaTRAK 12214)

Waterproof plastic protective heat shield contains a waterproof thermometer (Item No. 3029-85). Includes one LR44 button cell battery; replacement #3029-60. One year limited warranty.



Item No.	List Price	% Off List	Qty Break	Your Cost
<b>3516-70</b>	36.50	20	1-9	<b>29.20</b>
			30	<b>25.55</b>

800-328-8378

### ACCESSORIES: THERMOMETERS



Probe Wipes see page 209.

THERMOMETERS

225

## Thin-Tip Waterproof Digital Thermometer (Comark-Fluke)

**Super fast response – 6 seconds or less**

- Waterproof or water resistant models to choose from
- Response time better than 6 seconds
- Probe tip reduced to 1.5 mm
- °F/°C switchable
- Maximum temperature hold for use in commercial dishwashers (waterproof models only)
- Field calibratable
- Data hold to freeze a reading
- Auto power off
- NSF
- BioCote® antimicrobial protection
- Includes one LR44 button cell battery; replacement #3029-60
- One year warranty



Item No.	Mfr Item No.	Temperature Range	Accuracy	Stem Length	List Price	% Off List	Qty Break	Your Cost
<b>3516-30</b>	DT400 <b>waterproof</b>	-20°C to +200°C -4°F to +400°F	±0.5°C/1°F	5"	37.50	19	1-4	<b>30.38</b>
						31	5-19	<b>25.88</b>
						41	20+	<b>22.13</b>
<b>3028-35</b>	PDQ400 <b>waterproof</b> 5 year warranty	-20°C to +200°C -4°F to +400°F	±0.5°C/1°F	3"	36.50	19	1-4	<b>29.57</b>
						31	5-19	<b>25.19</b>
						41	20+	<b>21.54</b>
<b>3516-34</b>	PDT300 <b>water resistant</b>	-50° to +150°C -58°F to +300°F	± 1°C, ±2°F	3"	32.00	19	1-4	<b>25.92</b>
						31	5-19	<b>22.08</b>
						41	20+	<b>18.88</b>
<b>3028-32</b>	300 <b>water resistant</b>	-40° to +150°C -40°F to +300°F	± 1°C, ±2°F	5"	16.70	19	1-4	<b>13.53</b>
						31	5-19	<b>11.52</b>
						41	20+	<b>9.85</b>
<b>3028-33</b>	300B <b>water resistant</b> w/rubber boot	-40° to +150°C -40°F to +300°F	± 1°C, ±2°F	5"	18.35	19	1-4	<b>14.86</b>
						31	5-19	<b>12.66</b>
						41	20+	<b>10.83</b>

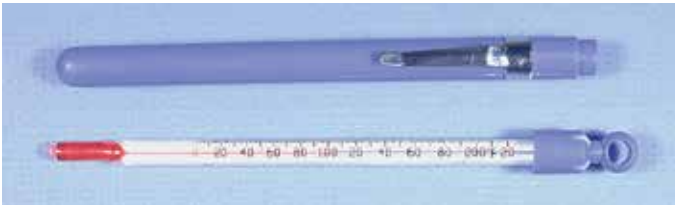
## Traceable® Extra-Long Stem Dual-Scale Digital Thermometer (Control Co. 4353/4354)

**For those hard-to-reach measurements**

Stainless steel probe with plastic case. Range is -58 to 572°F and -50 to 300°C. Resolution is 0.1° from -20 to 200° (1° outside this range). Overall length is 14 3/8". Stem length is 11 3/8" with a diameter of 0.14". Top diameter is 13/16 inches. Weighs less than 1 ounce. To assure accuracy an individually serial-numbered Traceable® Certificate is provided from our ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology). Includes one LR44 button cell battery; replacement #3029-60. One year warranty.



Item No.	Description	Accuracy	List Price	% Off List	Qty Break	Your Cost
<b>3516-20</b>		±1.0°C	35.55	15	1-4	<b>30.22</b>
				20	5+	<b>28.44</b>
<b>3516-22</b>	Ultra model	±0.5°C at tested point	59.88	15	1-4	<b>50.90</b>
				20	5+	<b>47.90</b>



## Red Liquid Pocket Thermometers with Case

With white back. Total immersion. Length: 6" (155 mm).

Item No.	Range °F	Div °	Qty Break	Your Cost
3530-30	25 to 125	2	1-9	<b>5.57</b>
			10+	<b>4.44</b>
3530-20	0 to 220	2	1-9	<b>5.48</b>
			10+	<b>4.38</b>

## Economy Grade Laboratory Thermometers

Liquid-in-glass. 12"/305 mm long. Good value for general lab use.

Item No.	Range	Div °	Accuracy	Comments	Qty Break	Your Cost
3028-67	-20 to 110°C.	1	1°	spirit	1-9	<b>5.29</b>
					10+	<b>4.44</b>
3028-68	0 to 230°F.	2	2°	spirit	1-9	<b>5.29</b>
					10+	<b>4.44</b>



3028-50

## Precision Laboratory Thermometers (Thermco)

Precision mercury-in-glass thermometers suitable for numerous laboratory procedures. Yellow backed tubing. 12" long. 76 mm partial immersion.

Item No.	Range	Div °	List Price	% Off List	Qty Break	Your Cost
3028-50	-30 to 120°F.	1	16.32	50	1-2	<b>8.16</b>
				60	3+	<b>6.53</b>
3028-65	-20 to 110°C.	1	16.32	50	1-2	<b>8.16</b>
				60	3+	<b>6.53</b>



3028-67

## Maximum Registering Thermometers (Thermco)

For applications such as monitoring the highest temperature of an autoclave or dishwasher cycle, a maximum registering thermometer will hold the highest temperature reached. The column of mercury will not recede into the bulb until shaken down like a fever thermometer which should be done before each new measurement. High precision "max reg" thermometers such as these should be read within 3 minutes of end of cycle for top accuracy. Comes complete with open face metal armor case (only shake down when firmly enclosed in case to avoid snapping). Teflon® coated.



Item No.	Range	Scale Divisions	Length	Application	List Price	% Off List	Qty Break	Your Cost
3028-89	80 to 135°C	0.5°	200 mm	autoclaves	105.22	20	1	<b>84.18</b>
						30	2+	<b>73.65</b>
3028-90	0 to 220°F	2°	140 mm	dishwashers	53.69	20	1	<b>42.95</b>
						30	2+	<b>37.58</b>
3028-91	-10 to 200°C	1°	305 mm	hot air ovens	123.34	20	1	<b>98.67</b>
						30	2+	<b>86.34</b>
3028-92	-20 to 150°C	1°	165 mm	autoclaves	123.06	20	1	<b>98.45</b>
						30	2+	<b>86.14</b>
3028-93	40 to 300°F	2°	140 mm	autoclaves	53.72	20	1	<b>42.98</b>
						30	2+	<b>37.60</b>
3028-94	200 to 500°F	5°	140 mm	hot air oven	76.60	20	1	<b>61.28</b>
						30	2+	<b>53.62</b>

NOTE: Maximum registering thermometers always have a separated liquid (mercury) column. The liquid passes through a "gate" at the constriction in the glass tube allowing it to pass through until the highest temperature is reached and cannot return below the gate until the thermometer is shaken down to reset. **Do not try to reunite the mercury column,** just shake the column down to room temperature to reset the thermometer.

**IMPORTANT NOTE: MERCURY THERMOMETERS CANNOT BE SHIPPED TO CA, CT, IL, IN, ME, MD, MA, MI, MN, NH, RI, OR & WA.**

Due to regulations we cannot ship mercury thermometers or accept mercury thermometers for recalibration from CA, CT, IL, IN, ME, MD, MA, MI, MN, NH, RI, OR & WA.

## Calibrated and Certified Thermometers

High precision laboratory thermometers designated as NIST Accurate are manufactured to the standards of NIST\* Monograph 250-23. These thermometers can also be provided, at additional cost, with either "Certificates of Conformance" or "Reports of Calibration."

A "Certificate of Conformance" is sufficient if you need to certify that the thermometer conforms to NIST standards for accuracy. The certificate shows a factory chosen calibration point and the correction factor for that temperature. The certificate will also reference the serial number engraved on the thermometer.

An NIST thermometer can be calibrated against Thermco's master thermometers at any temperature(s) within the scale range. A "Report of Calibration" is then issued showing the correction factor at each calibration point. This report also references the engraved serial number of the thermometer.

In addition to the many certified or calibrated thermometers shown here, most NIST Accurate thermometers may be ordered with "Certification of Conformance" or with "Reports of Calibration". Call for details.

**\*NIST - National Institute of Standards and Technology, formerly NBS, National Bureau of Standards**

## CERTIFIED MILK TESTING THERMOMETERS (Thermco)

*SERIALIZED AND SUPPLIED WITH A CERTIFICATE SO THAT OTHER DAIRY THERMOMETERS MAY BE CHECKED...*

### Factory Calibrated and Certified Milk Testing Thermometers (Thermco)

Furnished with a calibration document showing corrections at various critical temperatures relevant to dairy quality control. Conforms to the exacting requirements outlined by NIST for precision thermometers. All thermometers are Teflon® safety encapsulated and come in a felt-lined leatherette case.



Item No.	Range	Sub-division	Calibration Points °	Immersion mm	Length mm/inch	Liquid Fill	Your Cost
<b>3027-65</b>	-1 to 101°C	0.1°	0, 4.4, 32, 64	76	610/24	mercury	<b>448.69</b>
<b>3027-66</b>	-1 to 101°C	0.1°	0, 4.4, 32, 64	76	610/24	spirit	<b>448.69</b>
<b>3520-07</b>	-20° to 110°C	0.5°	0, 4, 32	76	305/12	mercury	<b>206.28</b>
<b>3520-09</b>	-20° to 110°C	0.5°	0, 4, 32	76	305/12	spirit	<b>206.28</b>
<b>3520-12</b>	-20° to 110°C	0.5°	0, 4, 32, 45, 56	76	305/12	mercury	<b>300.67</b>
<b>3520-14</b>	-20° to 110°C	0.5°	0, 4, 32, 45, 56	76	305/12	spirit	<b>300.67</b>
<b>3520-17</b>	-20° to 110°C	0.5°	0, 4, 32, 35, 45, 56, 64	76	305/12	mercury	<b>396.69</b>
<b>3520-19</b>	-20° to 110°C	0.5°	0, 4, 32, 35, 45, 56, 64	76	305/12	spirit	<b>396.69</b>
<b>3520-22</b>	-20° to 110°C	0.5°	0, 7, 72	76	305/12	mercury	<b>206.28</b>
<b>3520-24</b>	-20° to 110°C	0.5°	0, 7, 72	76	305/12	spirit	<b>206.28</b>
<b>3520-27</b>	-1 to 201°C	0.5°	0, 170	76	430/17	mercury	<b>214.37</b>
<b>3520-29</b>	-1 to 201°C	0.5°	0, 170	76	430/17	spirit	<b>214.37</b>
<b>3520-32</b>	0° to 220°F	0.5°	32, 45, 161	76	380/15	mercury	<b>206.28</b>
<b>3520-34</b>	0° to 220°F	0.5°	32, 45, 161	76	380/15	spirit	<b>206.28</b>

### Selected temperatures critical to dairy quality control:

freezing	0°C, 32°F
refrigeration	4.4°C
pasteurization rapid cooling	7.2°C, 45°F
incubation	32°C
alkaline Phosphatase (Flourophos®)	35°C
antibiotic residue (SNAP®, Charm®), agar plating, DMSSC	45°C
antibiotic residue (Charm®)	56°C
antibiotic residue, circulatory water baths	64° C
autoclave sterilization	120°C
pasteurization	72°C, 161°F
dry heat sterilization	170°C

**Looking for a calibrated thermometer at different calibration points, graduations or temperature range?**

Let us know! We are happy to special order the exact thermometer to fit your needs.



## Thermometer Recertification Program

Many factors determine recertification of thermometers, such as usage, temperatures measured, in-house procedures, and regulatory agencies' guidelines and policies. As a general guideline for good laboratory and manufacturing practices, thermometers should be recertified/verified on an annual basis.

### Recertification program includes:

- Complete visual inspection for any physical damage.
- Damaged thermometers will be repaired if possible.
- Thermometer readings are compared against NIST standards in high precision calibration baths using the comparison method at determined test temperatures.
- Each temperature is recorded to 1/10th of a scale division.
- A calibration report is generated detailing the pertinent information including the correction factors for each test point.
- All calibration information is entered into the THERMCO data storage system.
- All certification procedures are performed in accordance with NIST and ASTM guidelines, which meet with requirements set by regulatory agencies.

**Please note: this recertification program is available for any thermometer, not just Thermco brand.**

### How to Order:

1. Mail the following items to Thermco:
    - Completed Recertification Program Order Form (Available for download at [weberscientific.com](http://weberscientific.com) after you place your order)
    - Your carefully-packaged thermometer(s)
    - A copy of the current calibration certificate(s)
- Address: Thermco Products, Inc.  
Attn: Recertification Dept.  
10 Millpond Drive, Unit #10  
Lafayette, NJ 07848

2. We will bill you based on the prices below.
  3. **OPTIONAL:** You may send a purchase order if desired. Please send the purchase order to Weber Scientific and attach a copy to the Recertification Program Order Form for Thermco.
  4. Thermco will ship back your thermometer and new certificate within 5 days.
- For any questions or special requests regarding thermometer recertifications, please call Customer Service at 800-328-8378.

Recertification Description	Item No. Liquid-in-glass	Your Cost Liquid-in-glass	Item No. Digital	Your Cost Digital
1 Temperature Point	3029-08	61.50	3027-51	92.25
2 Temperature Points	3029-09	101.48	3027-52	143.50
3 Temperature Points	3029-10	101.48	3027-53	153.75
4 Temperature Points	3029-11	101.48	3027-54	164.00
5 – 9 Temperature Points	3029-12	123.00	3027-55	123.00
10 – 15 Temperature Points	3029-13	153.76	3027-56	143.50
Bottle Thermometers	3029-14	48.33	3027-57	48.33
Digital Pasteurization Thermometers			3029-15	207.56
Ultra-Accurate Wide-Range Thermometers			3029-16	207.56

## Serialized and Certified Thermometers (Thermco)

### Complete with a Factory Certificate of Conformance

Each thermometer is identified by a serial number and a certificate that shows the accuracy tolerance in comparison with a standard calibrated at the National Institute of Technology (NIST). Calibrated to one point. All thermometers are Teflon® safety encapsulated. Yellow back with permanent calibrations.

Item No.	Range	Sub-division	Calibration Point°	Immersion mm	Length mm/inch	Liquid Fill	Your Cost
3027-60	30 to 220°F	1°	100	152	381/15	mercury	77.12
3027-61	-30 to 220°F	1°	100	152	381/15	spirit	161.69
3027-80	-30 to 120°F	1°	56	76	305/12	mercury	77.12
3027-81	-30 to 120°F	1°	56	76	305/12	spirit	76.67
3027-83	30 to 214°F	0.2°	100	76	610/24	mercury	163.27
3027-84	30 to 214°F	0.2°	100	76	610/24	spirit	165.27
3027-86	0 to 230°F	2°	100	76	305/12	mercury	76.70
3027-87	0 to 230°F	2°	100	76	305/12	spirit	76.49
3027-89	-20 to 110°C	1°	37	76	305/12	mercury	76.70
3027-90	-20 to 110°C	1°	37	76	305/12	spirit	76.62
3028-63	-20 to 110°C	0.5°	37	76	305/12	mercury	90.64
3028-64	-20 to 110°C	0.5°	37	76	305/12	spirit	90.85
3027-92	-38 to 50°C	0.1°	0	total	610/24	mercury	160.64
3027-95	-1 to 101°C	0.1°	56	76	610/24	mercury	271.06
3027-96	-1 to 101°C	0.1°	56	76	610/24	spirit	190.41

**IMPORTANT NOTE: MERCURY THERMOMETERS CANNOT BE SHIPPED TO CA, CT, IL, IN, ME, MD, MA, MI, MN, NH, RI, OR & WA.**

Due to regulations we cannot ship mercury thermometers or accept mercury thermometers for recalibration from CA, CT, IL, IN, ME, MD, MA, MI, MN, NH, RI, OR & WA.

## Factory Calibrated Maximum Registering Thermometers (Thermco)

### Autoclavable

Furnished with a NIST traceable "Report of Calibration" showing the correction factor at the point of calibration. Eliminates the problem of calibrating a maximum registering thermometer at temperatures above 100°C in the lab. Complete with open-face metal armor case.



	3028-60	3028-62
Range	80 to 135°C	-10 to 200°C
Div°	0.5	1
Length	200 mm	305 mm
Calibration Point	120°	175°

Item No.	List Price	% Off List	Your Cost
3028-60	290.54	35	188.85
3028-62	290.54	28	209.19



## Mercury Collector (Bel-Art Scienceware 362500000)

### Quickly and conveniently capture spilled mercury beads!

- Lid features 'absorbent' foam pad on interior surface
- Replacement foam pad available
- Dispose of mercury by approved disposal method

In case of a mercury spill, remove the lid and press the pad on the inside of the lid firmly into the spilled mercury. This pressure results in the pad taking up the mercury and becoming saturated with the metal. Replace the mercury-laden lid on the jar. A perforated plate in the jar is pressed up against the mercury-filled pad, and the mercury is released into the jar as a result. Dimensions: 105 x 48mm O.D. (4-1/8" x 1.9") high. Quantity: 25/pack.

Item No.	List Price	% Off List	Your Cost
4334-32	33.20	20	26.56

800-328-8378

### ACCESSORIES:



Uncalibrated Maximum Registering Thermometers see page 227.

THERMOMETERS

## Teflon® Coated Safety Thermometers (Thermco)

Resilient, shock absorbing **Teflon® coating will capture all glass and mercury (or spirits) should the thermometer break.** Impervious to the chemical action of acids and other corrosive materials. All thermometers are accurate to NIST tolerances. Mercury-in-glass models have yellow backing while red spirit models have white backing.

Item No.	Range	Div°	Length	Liquid Immersion	Fill	Description	List Price	% Off List	Qty Break	Your Cost
3028-70	-20 to 110°C	1	305 mm	76 mm	mercury	general lab	48.49	30	1	<b>33.94</b>
								40	2+	<b>29.09</b>
3028-72	-20 to 110°C	0.5	305 mm	76 mm	mercury	general lab	60.99	20	1	<b>48.79</b>
								30	2+	<b>42.69</b>
3028-73	-20 to 110°C	1	305 mm	76 mm	spirit	general lab	46.50	20	1	<b>37.20</b>
								30	2+	<b>32.55</b>
3028-75	0 to 230°F	2	305 mm	76 mm	mercury	general lab	48.47	20	1	<b>38.78</b>
								30	2+	<b>33.93</b>
3028-78	0 to 230°F	2	305 mm	76 mm	spirit	general lab	48.47	20	1	<b>38.78</b>
								30	2+	<b>33.93</b>
3028-80	20 to 100°C	1	305 mm	76 mm	mercury	incubator/water bath with immersion enlargement, arrows at critical temps	78.03	20	1	<b>62.42</b>
								30	2+	<b>54.62</b>
3028-82	-10 to 220°C	0.5	385 mm	total	mercury	hot air oven sterilization	65.27	20	1	<b>52.22</b>
								30	2+	<b>45.69</b>
3028-83	0 to 50°C	0.5	305 mm	150 mm	mercury	incubator/water bath with enlargement on stem at immersion pt.	60.25	20	1	<b>48.20</b>
								30	2+	<b>42.18</b>
3028-84	0 to 100°C	0.5	225 mm	35 mm	mercury	block incubator, shallow immersion, Charm, Delvo, SNAP	74.79	20	1	<b>59.83</b>
								30	2+	<b>52.35</b>
3028-85	24 to 57°C	0.5	175 mm	35 mm	mercury	block incubator, shallow immersion, Penzyme	75.08	20	1	<b>60.06</b>
								30	2+	<b>52.56</b>
3028-86	34.5 to 46°C	0.1	237 mm	76 mm	mercury	coliform incubator with arrows at critical temperatures	116.82	20	1	<b>93.46</b>
								30	2+	<b>81.77</b>



### Open Face Metal Armor Cases (Thermco)

Nickel-plated brass with a ring-top for suspension applications. Thermometer can be read through open face.

Item No.	Fits thermometers of length	List Price	% Off List	Your Cost
3028-46	610 mm (24")	85.05	42	<b>49.33</b>
3028-49	305 mm (12")	42.14	42	<b>24.44</b>

### Thermometer Holder (Scienceware)

This handy little gizmo clips onto the rim of a beaker or flask to hold a thermometer vertically near the side of the container. Polycarbonate with grommetted hole. Pack of 3.



Item No.	List Price	% Off List	Your Cost
3036-60	17.15	20	<b>13.72</b>

### Thermometer Rack (Scienceware)

A safe and secure way to store breakable glass thermometers. Autoclavable polypropylene. 25 place capacity. Size: 5 7/8" X 8 3/8" X 9 7/8" high.



Item No.	List Price	% Off List	Your Cost
3036-54	56.60	20	<b>45.28</b>



### Accu-Temp® Dry Bath/Block Heater Thermometers (Thermco)

Blue spirit-filled safety coated thermometer is housed in a 2.0mL micro tube filled with mineral oil. Individually serialized and traceable to NIST (National Institute of Standards and Technology). Complete with "Certificate of Accuracy".



Item No.	Range °C	Divisions °C	Length in./mm	Immersion in./mm
3518-30	18 to 60	0.5	5 / 125	1.4 / 35
3518-40	50 to 110	0.5	6.5 / 165	1.4 / 35

Item No.	List Price	% Off List	Your Cost
3518-30	80.19	30	<b>56.13</b>
3518-40	84.45	30	<b>59.12</b>

**IMPORTANT NOTE: MERCURY THERMOMETERS CANNOT BE SHIPPED TO CA, CT, IL, IN, ME, MD, MA, MI, MN, NH, RI, OR & WA.**

Due to regulations we cannot ship mercury thermometers or accept mercury thermometers for recalibration from CA, CT, IL, IN, ME, MD, MA, MI, MN, NH, RI, OR & WA.





## Brix Thermo-Hydrometers (Thermco)

Indicates the percent sugar in solution at 20°C. Built-in 0-50°C. thermometer with correction scale. 12" long.

Item No.	Range %	Subdivision %	List Price	% Off List	Your Cost
3025-00	0-12	0.1	66.74	30	46.72
3025-05	9-21	0.1	66.74	30	46.72



## Specific Gravity Hydrometers (Thermco)

These glass hydrometers measure the specific gravity (relative density) of liquids—the ratio of the density of the liquid to the density of water.

Item No.	Specific Gravity	Length	Divisions	List Price	% Off List	Your Cost
3024-86	0.895 to 1.0	300 mm	0.001	26.57	20	21.26
3024-87	0.650 to 1.000	300 mm	0.005	26.57	20	21.26
3024-88	1.000 to 1.220	300 mm	0.002	26.57	20	21.26
3024-89	1.200 to 1.420	300 mm	0.002	26.57	20	21.26



## A.S.B.C. Hydrometers (Rascher & Betzold)

### Top Reading Pyrex® Brand Glass Hydrometers

Readings are made on hydrometers at the top of the meniscus when overflowing in a clean special glass cylinder. They check laboratory determinations made with the Boot or Reischauer pycnometer. American Society of Brewing Chemists Large Laboratory Type / 240 ml of Sample Needed.

Item No.	Liquid Tested	Range %Plato	Divisions %Plato	Length	Outside Diameter	Your Cost
3048-17	Beer/Wort	0 to 8	0.1	330mm/13"	25mm	188.57
3048-18	Beer/Wort	8 to 16	0.1	330mm/13"	25mm	188.57
3048-19	Beer/Wort	16 to 24	0.1	330mm/13"	25mm	188.57

## Lactometer and Hydrometer Rack (Scienceware)

Protect fragile hydrometers and lactometers by storing them in this 18-place polypropylene rack. The middle and top plates have 1" diameter holes; the bottom plate is 1 3/4" high and has wells tapering from 1" to 3/8" to hold the hydrometer bulb. Base is 8 1/4" X 8 1/2"; height is 9 7/8". Steam autoclavable at 250° F.



Item No.	List Price	% Off List	Your Cost
3036-38	93.45	20	74.76



## Lactometers

For determining solids in milk.

Item No.	Your Cost
3036-00	49.04
3036-04	77.61

Item No.	3036-00	3036-04
Description	Quevenne	USDA
Lactometer Scale	15 to 40°	26 to 37°
Scale Subdivisions	0.5°	0.2°
Calibrated, Temp.	60°F	102°F
Style	Thermo	Plain
Temp. Range, °F	20 - 100	
Subdivisions, °F	2	
Length, in/mm	12/305	11.8/300



## Salometer

Measures salt in water (brine). Available in sodium chloride. Standardized at 60°F. Length: 300 mm (12").

Item No.	Range	Saturation or Weight	Div.	Material	List Price	% Off List	Your Cost
3036-40	0 - 100%	saturation	1.0%	Glass			16.17
3036-42	0 - 100%	saturation	1.0%	Plastic	88.38	30	61.87
3036-44	0 - 26.5%	weight	0.5%	Plastic	88.38	30	61.87

## Hydrometer Cylinders, Borosilicate Glass

Made from heavy borosilicate glass, these cylinders have a beaded top with a pouring spout and a round base for stability.

Item No.	Capacity (ml)	O.D. x Height (mm)	Your Cost
3048-15	500	50 x 300	17.38
3048-16	1200	65 x 450	32.25



## Thermometer Wire Rack and Cup (Cooper Atkins)

This wire rack and cup provides ideal storage for thermocouples, probes and pocket test instruments\*. The supplied plastic cup is made of high-impact ABS plastic that allows the storage of smaller thermometers, or can be removed to house two thermocouple units and probes. Wire frame is manufactured from cold rolled steel (CRS) and can be hand-washed.

Size: 10.5" x 3 x 4.5"  
(267 mm x 76 mm x 114 mm)

\*Instruments not supplied

Item No.	Mfr Item No.	List Price	% Off List	Qty Break	Your Cost
3036-55	9391	37.70	35	1-4	24.51
			45	5+	20.74



800-328-8378

### ACCESSORIES:



Refractometers see pages 135-137.  
Salinity Testers see page 241.  
Additional Beer Hydrometers see page 67.

THERMOMETERS

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## Clip-on Stopwatch (Sper Scientific 810016)

Attaches to your key chain or belt loop. Features single event, start/stop and cumulative split timing modes. It can display time (selectable 12/24 hour clock), date, day of week, and the month. With a built-in compass and °F thermometer (range 0 to 120°F).



Timing Modes	single event, start/stop, cumulative split
Timing Direction	24 hours up
Timing Resolution	0.01 sec up to 30 min, 1 sec up to 24 hours
Timing Accuracy	±3 sec/day
Battery	Includes one LR41 button cell battery
Dimensions	2" x 1 1/2" x 1/2" (55 x 35 x 15mm)
Warranty	Five years

Item No.	Description	List Price	% Off List	Your Cost
4011-31	clip-on stopwatch	12.00	15	<b>10.20</b>
4011-33	serialized with NIST traceable certificate of compliance	36.00	16	<b>30.24</b>

## Lightweight Stopwatch (Sper Scientific 810013R)

Large control buttons and extremely lightweight (1.1 oz.) make this stopwatch comfortable to hold and use. Counts to 24 hours in 1/100th second resolution. Split interval function. Also a 12/24 hour alarm clock, calendar and an hourly chime option. Dimensions: 2 7/8" X 2 3/16" X 3/4". Includes one CR2032 lithium ion battery; replacement 3039-51. Five year warranty.



Item No.	Description	List Price	% Off List	Your Cost
4010-35	lightweight stopwatch	21.00	20	<b>16.80</b>
4010-37	serialized with NIST traceable certificate of compliance	45.00	20	<b>36.00</b>

## Large Display Water Resistant Stopwatch (Sper Scientific 810035)

Sonically welded case insures excellent water resistance. Large 5/8" display for good visibility. Counts up to 24 hours with resolution of 1/100 second for the first 40 minutes and 1 second resolution thereafter. Has lap function. Also features an alarm clock and a calendar. Includes one CR2032 lithium ion battery; replacement 3039-51. Dimensions: 2 7/8" X 3 1/4" X 3/4". Five year warranty.



Item No.	Description	List Price	% Off List	Your Cost
4010-45	large display water resistant stopwatch	40.00	20	<b>32.00</b>
4010-47	serialized with NIST traceable certificate of compliance	64.00	16	<b>53.76</b>

## 8 Memory Stopwatch (Sper Scientific 810029R)

Two simultaneous 1/100th second displays. Counts up or down to 10 hours. Ideal for multiple and simultaneous processes. In stopwatch mode, current lap time shown in upper display, cumulative total in lower one. Memory stores last 8 lap times so there is no need to look away from a test to make notes. In timer mode upper display shows original setting while lower one counts down. Warning alarm sounds at 30 seconds before time elapses and when time has elapsed. Countdown cycles repeat upon completion. 30 second shuttle timer for use during time-outs. Lap counter shows number of laps (up to 99), in stopwatch mode and number of cycles repeated in timer mode. Pacesetter function can be set to beep continually from every 0.25 seconds to every 30 seconds. Shock resistant, superb hand grip. Dimensions: 3 1/2" X 2 1/4" X 3/4". Includes one CR2032 lithium ion battery; replacement 3039-51. Five year warranty.



Item No.	Description	List Price	% Off List	Your Cost
4010-40	8 memory stopwatch	27.00	20	<b>21.60</b>
4010-42	serialized with NIST traceable certificate of compliance	51.00	16	<b>42.84</b>

## Value-Priced Water Resistant Stopwatch (Sper Scientific 810012)

Counts up to 24 hours in 1/100th second resolution for the first 30 minutes with a 1 second resolution thereafter. Split interval function. Also has a 12/24 hour alarm clock, calendar, and an hourly chime option. Dimensions: 2 1/2" X 2" X 1/2". Includes one LR54 Alkaline button cell battery; replacement 3039-53. Five year warranty.



Item No.	Description	List Price	% Off List	Your Cost
4010-52	water resistant stopwatch	11.00	20	<b>8.80</b>
4010-54	water resistant stopwatch with NIST traceable certificate of compliance	35.00	16	<b>29.40</b>

## Continuous Alarm Timer (Sper Scientific 810045)

**Select either a bright flashing yellow LED or an audible alarm.**

Alarms will flash or sound continuously until shut off by the user. A memory recalls the last timer setting for reuse. Also counts up and automatically counts time elapsed after the alarm. Range of 9999 minutes with 1 second resolution for the final 100 minutes (otherwise 1 minute resolution.) Built in stand for bench top use, pocket clip and magnetic back. 2 AAA batteries included. Weight: 2 oz. (57 g); Dimensions: 3" x 2" x 5/8" (75 x 55 x 15 mm). Five year warranty.



Item No.	Description	List Price	% Off List	Your Cost
4010-60	continuous alarm timer	13.00	20	<b>10.40</b>
4010-62	serialized with NIST traceable certificate of compliance	37.00	16	<b>31.08</b>

## Large Display Pocket Timer (Sper Scientific 810046)

**Automatically records elapsed time too**

Small timer has large 3/4" digits. Counts down from 100 minutes with 1 second resolution. Short warning alarms sound at 3 and 5 minutes prior to the final 30 second alarm. Automatically records elapsed time following the alarm for up to 20 minutes, or until stopped. Memory recalls the last timer setting for repetitive tests. Auto-power-off feature extends battery life (operates only when the timer is idle and will not interrupt a timing sequence). Has a built in stand, pocket clip and magnetic back. One AAA battery included. Weight: 2.4 oz. (70 g); Dimensions: 2 1/2" x 2 1/2" x 1/2" (65 x 65 x 15 mm). Five year warranty.



Item No.	Description	List Price	% Off List	Your Cost
4010-56	large display pocket timer	13.00	20	10.40
4010-58	serialized with NIST traceable certificate of compliance	37.00	16	31.08

## Large Display Timer (Sper Scientific 810005)

Gigantic 3" X 2 1/2" display can be read across a room. Simultaneously displays either one count up channel and a clock, or two count down channels. All channels have a range of 24 hours with 1 second resolution. Also indicates how much time has elapsed after a count down alarm sounds and conveniently recalls the last timer setting for reuse. Extra large start/stop button and a loud alarm. Wall mount or fold for bench top use. Runs for approximately two years on one AAA battery (included). Dimensions: 5" X 3 3/4" X 1/2". Five year warranty.



Item No.	Description	List Price	% Off List	Your Cost
4010-15	large display timer	20.00	20	16.00
4010-17	serialized with NIST traceable certificate of compliance	44.00	16	36.96

## Count Up - Count Down Timer (Sper Scientific 810024R)

Numeric keypad allows for fast programming! Counts up or down for 99 minutes in interval of 1 second. Has built in stand, pocket clip and magnet. Includes one LR44 button cell battery; replacement #3029-60. Dimensions: 2 1/2" X 2 5/8" X 6/8". Five year warranty.



Item No.	Description	List Price	% Off List	Your Cost
4010-20	count up/down timer	17.00	20	13.60
4010-22	serialized with NIST traceable certificate of compliance	41.00	16	34.44



## Traceable® Jumbo-Digit Compact Radio-Controlled Wall Clock (Control Co.)

**Jumbo sized 3 3/4 inch clock digits are readable from up to 100 feet. Radio signal from NIST's Colorado atomic clock automatically sets correct date/time.**

- Design allows mounting on any wall or standing on any work surface.
  - Calendar displays month/date and day of the week.
  - Thermometer displays ambient temperature in °F/°C. Clock has 12 or 24-hour time-of-day display.
  - Resolution: 1 second.
  - Accuracy: 1/10,000 second when receiving radio signal, otherwise 0.01%.
  - Temperature range: 23 to 122°F (-5 to 50°C). Resolution: 0.1°. Accuracy: ±1°C.
  - Traceable to NIST for accuracy
- To assure accuracy an individually serial-numbered Traceable® Certificate is provided from our ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability, for time only, to standards provided by NIST (National Institute of Standards and Technology).

### Specifications:

- High-impact, chemical resistant case size: 9 x 5 x 1 1/4 inches.
- Weight: 15 ounces.
- Supplied: wall mount, bench stand, batteries, and Traceable® Certificate.

Item No.	Mfr Item No.	List Price	% Off List	Qty Break	Your Cost
3517-71	1080	54.85	15	1-3	46.62
			20	4+	43.88

## 4 Channel Timer (Sper Scientific 810015)

Four independent channels each of which counts up or down for any interval from 1 second to 100 hours. Extra large display indicates channels in use. Each one has a distinctive 1 minute alarm. Automatically begins to count up to indicate time elapsed after count down reaches zero. Memory recalls last timer setting for reuse. Also has a clock mode. Has a stand, pocket clip and a magnet. Dimensions: 2 7/8" X 2 1/2" X 9/16". Includes one LR44 button cell battery; replacement #3029-60. Five year warranty.



Item No.	Description	List Price	% Off List	Your Cost
4010-30	4 channel timer	24.00	20	19.20
4010-32	serialized with NIST traceable certificate of compliance	48.00	16	40.32

## Traceable® Outlet Controller (Control Co. 5090)

Versatile and economical controller may be programmed to turn equipment on and off at any minute of any day. A fail-safe memory permits programming 14 different switchings per day. They may be allocated over four separate weekly programs for up to 196 switchings per week. Random function automatically turns the controller on and off at random intervals. 2" x 4" x 3 1/2". Up to 15 amps/1800 watts.



To assure accuracy an individually serial-numbered Traceable® Certificate is provided from our ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology). Includes one LR44 button cell battery; replacement #3029-60. One year warranty.

Item No.	Description	List Price	% Off List	Your Cost
4010-06	Outlet controller	43.85	30	30.70

## Count Up - Count Down Alarm Timer (Sper Scientific 810026R)

Counts up or down for 100 hours in intervals of 1 second. In count down mode unique feature tells you how much time has elapsed after the alarm sounds. Memory allows repeat of just completed cycle. Alarm clock mode. Has a built in stand, pocket clip and magnet. Includes one LR44 button cell battery; replacement #3029-60. Dimensions: 2 3/4" X 2 3/4" X 1 1/2". Five year warranty.



Item No.	Description	List Price	% Off List	Your Cost
4010-25	count up/down alarm timer	17.00	20	13.60
4010-27	serialized with NIST traceable certificate of compliance	41.00	16	34.44

## Original™ Traceable® Lab Timer (Control Co. 5002)

Extremely simple operation. Program three different activities from 9 hours, 59 minutes, 59 seconds to 1 second on this portable timer. Each channel has a distinct electronic alarm and display indicator. Alarm "off" operates manually or is silenced automatically after 1 minute.



To assure accuracy an individually serial-numbered Traceable® Certificate is provided from our ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Large 1/4-inch-high LCD digits are easy to read. Chemical-resistant ABS case is 3 x 3 x 1 3/8 inches and weight is 4 ounces. Supplied with two AA alkaline batteries for 2 years of normal usage. Accuracy is 0.01%. One year warranty.

Item No.	List Price	% Off List	Your Cost
4011-10	47.96	20	38.37



## Traceable® Flashing LED Big-Digit Dual Channel Timer

Compact, multi-tasker with 6-digit, dual channel display

- Features: 2 simultaneous countdown activities, flashing LED timing indicator/alarm, adjustable volume
- Unique visual indication for each channel; green light flashes while counting down and red light flashes once zero has been reached
- Adjustable volume: high decibel, low decibel, or off for silent flashing LED operation

Allows simultaneous programming of two different activities from 99 hours, 59 minutes, 59 seconds to 1 second. Resolution is 1 second; accuracy is 0.01%. Each channel has a distinct electronic alarm and visual red light indicator when zero is reached. The alarm may be turned off or silenced automatically after 1 minute.

To assure accuracy an individually serial-numbered Traceable Certificate is provided from our ISO/IEC 17025 (1750.01) calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology). Supplied with magnetic back, stand/spring-clip, opening for a lanyard, and two AAA alkaline batteries. Size is 3-1/2 x 3 x 5/8 inches. Weight is 3 ounces.

Item No.	List Price	% Off List	Your Cost
4011-07	27.23	20	21.78

## Mechanical Timer (Control Co. 1004)

Timing doesn't get any simpler than this rugged and compact unit. Can be set from 1 to 120 minutes. Loud 5-second ring. Size is 2 3/4" X 2 3/4" X 2". Weight is 3 1/3 oz.



Item No.	List Price	% Off List	Your Cost
4011-15	30.11	20	24.09

# Viscometers



## Zahn Viscometers

For quick, accurate and reproducible measurement of the viscosity of various liquids. Viscosity is expressed as the time in seconds required for a 44 mL volume of liquid to flow through an orifice in the bottom of the metal cup. Stainless steel construction. 12 inch suspension handle. Complete with instructions, but without thermometer.

(Rack no longer made.)

Item No.	Cup No.	Orifice, In.	Type liquid	Zahn Range, Seconds (25°C.)	Range, Cent. Stokes	Your Cost
3410-01	1	0.078	very thin	45-80	18-56	114.86
3410-02	2	0.108	thin	25-80	40-230	114.86
3410-03	3	0.148	medium	20-75	150-790	114.86
3410-04	4	0.168	heavy	20-80	220-1100	114.86
3410-05	5	0.208	very heavy	20-75	460-1725	114.86



## Bostwick Consistometer (CSC Scientific)

For standardizing production lots

**HARD TO FIND ITEM!**

Popular for measuring consistency, flow rate and viscosity in a variety of viscous materials. Use on any product, including dairy products, sauces and salad dressings, where you want to measure the distance a material flows in a given time interval. Stainless steel construction resists corrosion and is suitable for laboratory and plant use. It uses little bench space and requires only 75 mL of sample. Features instantaneous gate release, which prevents premature flowing of sample. Two leveling screws and spirit levels offer precise positioning of flow angle. Engraved graduations of 0.5 cm divisions assures accurate results.

Item No.	Your Cost
4412-50	601.20

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### ACCESSORIES: FOR VISCOMETERS



Stopwatches see page 232.  
Thermometers see pages 223-227.

## Dissolved Oxygen Pen

(Sper Scientific)

**Simple one-hand operation**

- Automatic temperature compensation
- Calibration to air
- Polarographic probe has a built in temperature sensor and easy-to-replace pop-off head
- Simultaneously displays DO and temperature
- Holds readings and recall minimums and maximum
- IP67 waterproof
- Comes with soft carrying case with belt loop, two spare probe heads, electrolyte and 4 AAA batteries
- Dim: 8" x 2" x 1 1/2" / 180 x 40 x 40 mm
- Weight: 6 oz. / 175 g



Unit of Measure	Range	Resolution	Accuracy
Dissolved Oxygen mg/L	0 - 20.0 mg/L	0.1 mg/L	±0.4 mg/L
Oxygen % in Air (for calibration reference)	0-100.0% O2	0.1% O2	±0.7% O2
Temperature °F	32-122°F	0.1°F	±1.5°F
Temperature °C	0-50°C	0.1°C	±0.8°C

Item No.	Mfr Item No.	Description	List Price	% Off List	Your Cost
<b>5010-10</b>	850045	DO Pen	293.00	15	<b>249.05</b>
<b>5010-11</b>	850089	Replacement probe head	11.00	10	<b>9.90</b>
<b>5010-12</b>	840044	Replacement electrolyte	14.00	10	<b>12.60</b>

## Traceable® One-Shot™ Conductivity Standards (Control Co.)

**Calibration within disposable container eliminates contamination**

- Nominal Value: 10-1000 Micro (mhos/siemens)
- Certified Reference Material
- 100% compatible with all conductivity meters
- Accuracy: certificate stated uncertainty, or ±0.25 microsiemen or ±0.25%



Single-use conductivity standards calibrate all conductivity meters and probes for maximum accuracy. One-Shots eliminate concern about external container contamination. Calibration is made in the standard's vial. Container fits all probes. Extra-large opening (1-3/4-inches diameter) and extra-large, 3-1/2-inches depth allow probe calibration to take place in the standard's polyethylene container.

Item No.	Mfr Item No.	Range Micro (mhos/siemens)	Qty	Qty Breaks	Your Cost
<b>5030-61</b>	4175	10	6 x 100mL	1 2+	<b>28.40</b> <b>26.73</b>
<b>5030-62</b>	4176	100	6 x 100mL	1 2+	<b>28.40</b> <b>26.73</b>
<b>5030-63</b>	4177	1000	6 x 100mL	1 2+	<b>28.40</b> <b>26.73</b>

## Dissolved Oxygen Meter Kit (Sper Scientific)

**Also functions as a pH and conductivity meter when used with the optional probes**

- USB computer interface
- Automatic temperature, salinity and altitude compensation (factors directly affecting DO readings)
- One-button calibration to air and adjustable membrane temperature coefficient
- Simultaneously displays DO (in ppm or mg/L), temperature (in °C or °F) and date
- Review 99 data points with time stamps, min/max and avg. readings on meter display
- Electrolyte level is visible through the pH (lead) free galvanic probe (3 meter/9' cord)
- Large backlit LCD
- Recalls the slope and date of last calibration
- Dim: 6 3/4" x 2 3/4" x 1 1/4" / 170 x 70 x 33 mm
- Weight: 14 oz. / 397 g
- Comes in a hard carrying case with USB port, probe with cable, 2 spare probe heads with membranes installed, electrolyte and 4 AAA batteries



Unit of Measure	Range	Resolution	Accuracy
DO	0 ~ 199.9%	0.1	±3% fs + 1d
	0 ~ 30 mg/L	0.1	±3% fs + 1d
pH (with optional probe)	0 ~ 12 pH	0.01 pH	0.1 pH
Conductivity (with optional probe)	0 ~ 1999 uS/cm	1 uS/cm	1% fs + 1d
	0 ~ 69.9 mS/cm	0.1 mS/cm	1% fs + 1d
Temperature	°F 23 ~ 176°F	0.1°F	±1°F
Temperature	°C 0 ~ 60°C	0.1°C	±0.5°C

Item No.	Mfr Item No.	Description	List Price	% Off List	Your Cost
<b>5010-15</b>	850048	DO Meter	374.00	15	<b>317.90</b>
<b>5010-16</b>	850048DO	Replacement probe head	111.00	15	<b>94.35</b>
<b>5010-13</b>	850048C/S	Optional Conductivity/ Salinity Probe	85.00	15	<b>72.25</b>
<b>5010-14</b>	850048PH	Optional pH Probe	85.00	15	<b>72.25</b>



### FREE Samples Are Available

We carry a sample inventory for all products identified by this symbol. Please contact us to request your free sample.

Cristian Adams  
Key Account Specialist  
[Cadams@weberscientific.com](mailto:Cadams@weberscientific.com)

### ACCESSORIES: CONDUCTIVITY METERS



Conductivity Meters see website.

## Orion Star A3235 Dissolved Oxygen Meter Kit (Thermo Scientific)

### Luminescence technology

- Accepts and automatically recognizes Orion Polarographic and RDO optical/luminescence-based probes
- Calibrate using water-saturated air, air-saturated water, a Winkler titration or zero point calibration
- Large, backlit LCD display shows dissolved oxygen in percent saturation or concentration with temperature and electrode status, time, date, sample ID, user ID and calibration points
- Includes plain language screen prompts, soft keys for easy selection and a multi-language interface
- AUTO-READ™ locks in the stable reading on your screen, ready indicator alerts when readings are stable and timed reading gathers data in specific time intervals
- Four AA batteries (included) provide over 800 hours of operation or available universal power adapter (sold separately) to use AC power
- Non-volatile memory holds up to 5000 data points with time and date stamp
- Easily transfer data and keep meter software up-to-date with the USB and RS232 ports and complimentary data analysis software



### Specifications:

Accuracy (Polarographic DO)	±0.2 mg/L; ±2 % saturation
Accuracy (RDO)	±0.1mg/L up to 8mg/L, ±0.2mg/L from 8 to 20mg/L, 10% of reading from 20 to 50mg/L; ±2 % saturation
Battery Life	800 hours
Battery Type	Four AA (included)
Data Points	6000
Display Type	Graphic LCD with backlight
Inputs	9-pin Mini-DIN (RDO or Polarographic DO with temperature probe)
IP Rating	IP-67
Outputs	USB, RS232
Range	(Polarographic DO) 0 to 90 mg/L; 0 to 600 % saturation
Range (RDO)	0 to 50 mg/L; 0 to 500 % saturation
Relative Humidity Range	5 to 85 %, non-condensing
Resolution (Polarographic)	0.01, 0.1 mg/L; 0.1, 1 % saturation
Resolution (RDO)	0.01, 0.1 mg/L; 0.1, 1 % saturation
Salinity Factor	0 to 45ppt
Saturation Range	0 to 600 % Saturation (Polarographic); 0 to 500 % Saturation (RDO)
Saturation Resolution	0.1, 1% Saturation
Saturation Temperature Range	23° to 221°F
Sensor Types	Polarographic or RDO (optical) DO probe (included)
Temperature Range	23 to 221°F 5 to 45°C / -5 to +105°C ± 0.1°C
Warranty	3 year meter replacement
Certifications/Compliance	CE, TUV, FCC Class A limits
Electrical Requirements	90 to 260VAC 50/60Hz

Item No.	Mfr Item No.	Description	List Price	% Off List	Qty Break	Your Cost
<b>3801-02</b>	STARA3235	Meter kit includes: RDO probe w/3m (10 ft.) cable (087010MD) Protective armor with electrode holder Hard carrying case 4 AA batteries	1727.00	15 22	1 2+	<b>1467.95</b> <b>1347.06</b>
<b>3801-03</b>	087010MD	Replacement RDO probe	804.00	18		<b>659.28</b>
<b>3801-04</b>	081010MD	Optional Polarographic Probe	550.00	18		<b>451.00</b>

## Reflectoquant™ Analysis System (EMD Chemicals Inc.)

*Ideal for rapid, precise and economical monitoring of peroxide residues (and other analytes).*



Get accurate test results in the lab, in the field or on the production line. Gives quantifiable results in seconds for a wide variety of analytes.

This system removes the subjectivity of color comparison charts. It measures the concentration of compounds based on the light reflected from a reaction zone. Two measurements are made simultaneously and averaged for increased accuracy. Up to five test methods can be stored into memory in seconds, so you can test five different analytes without reprogramming the meter.

Battery operated (4 AAA included) portable system can store results for up to 50 tests for downloading onto your PC using the built-in interface software and connecting cable available separately at an additional charge.

This system is very simple to use and quite accurate. Two year warranty.

Item No.	Description	Your Cost
<b>5210-10</b>	RQflex™ meter	<b>942.33</b>

Item No.	Test Strip, Pack of 50	Range (ppm)	List Price	% Off List	Your Cost
<b>5210-29</b>	ascorbic acid	25 - 450	86.00	18	<b>70.52</b>
<b>5210-53</b>	nitrate, low range	3 - 90	86.64	5	<b>82.31</b>
<b>5210-50</b>	nitrate, high range	5 - 225	86.64	5	<b>82.31</b>
<b>5210-56</b>	nitrite	0.5 - 25	86.64	5	<b>82.31</b>
<b>5210-59</b>	peracetic acid	1 - 22.5	88.88	5	<b>84.44</b>
<b>5210-62</b>	peroxide	0.2 - 20	88.88	5	<b>84.44</b>

800-328-8378

### ACCESSORIES: FOR WATER ANALYSIS



pH Test Strips see pages 132, 183-184, 240.  
Sanitizer Test Strips see pages 183-184.

## Digital Pocket Colorimeter™ II Analysis Systems for Chlorine or Ozone (Hach)

A true go-anywhere instrument, lightweight and battery operated, suitable for extended field work or quick, on-the-spot process monitoring.

The Pocket Colorimeter II Instrument really can be carried in your pocket! Weighing in at only .23 kg (8.1 oz), it even floats if accidentally dropped in water.



Lamp	Light Emitting Diode (LED)
Detector	Silicon Photocell
Wavelength	Fixed wavelength $1 \pm 2$ nm
Filter Bandwidth	15 nm
Absorbance Range	0 to 2.5 Abs
Sample Cell Pathlength	1 cm and 22 mm
Display	Liquid Crystal Display (LCD), backlit
Enclosure	IP67, waterproof at 1 m for 30 minutes
Operating Conditions	0 to 50 °C, 0 to 90% RH
Size	3.5 x 6.1 x 15.5 cm (1.4 x 2.45 x 6.2 inches)
Net Weight	0.23 kg (0.5 lbs)
Power	4 AAA alkaline batteries, approximate battery life of 2000 tests
Compliance	European CE Mark
Warranty	2 years



### Ordering Information

Each Pocket Colorimeter II Instrument comes complete as a ready-to-use kit that includes a reagent set (pre-measured unit dose reagents), sturdy custom carrying case, and manual.

Item No.	Description	Range mg/L	Accuracy mg/L	Method	No. of Tests	Your Cost
<b>H58700-00</b>	Chlorine, Free (F) <sup>DW</sup> & Total (T) <sup>DW,WW</sup>	0.1 - 10	0.01 - 10	DPD	100	<b>432.00</b>
<b>H58700-04</b>	Ozone	0.01 - 0.25 0.01 - 0.75	0.01 - 10	Indigo Trisulfonate	50 (25 per method)	<b>489.00</b>

DW = USEPA accepted or approved for drinking water (additional steps may be required)

WW = USEPA accepted or approved for wastewater (additional steps may be required)

### Replacement Reagents

Item No.	Description	Range	Method	No. of Tests	Your Cost
<b>H21055-69</b>	Chlorine, free	0-2.00	DPD	100	<b>21.15</b>
<b>H21056-69</b>	Chlorine, total	0-2.00	DPD	100	<b>21.15</b>
<b>H25160-25</b>	Ozone, Low Range AccuVac	0-0.25	Indigo	25	<b>34.55</b>
<b>H25170-25</b>	Ozone, Mid Range AccuVac	0-0.75	Trisulfonate	25	<b>34.55</b>



5151-35



5151-36



5151-39

## Checker® HC (Handheld Colorimeter) for Chlorine Detection (Hanna Instruments)

This product bridges the gap between simple chemical test kits and professional instrumentation for the detection of free or total chlorine in water. Accurate and affordable, Checker HC portable handheld colorimeters for chlorine detection feature a resolution of 0.01 ppm and an accuracy of  $\pm 3\%$  of reading plus  $\pm 0.03$  ppm (mg/L). They also use an EPA-approved DPD method. The contoured style fits in your palm and pocket and the large LCD is easy to read. An auto shut-off feature prevents the battery from draining if you do not shut off the meter.

To use, zero the instrument with the water sample. Next, add the reagent. Finally, place the vial into the Checker HC, press the button and read the results.

Specifications	Item No. 5151-35 (Total Chlorine)	Item No. 5151-36 (Free Chlorine)
Range	0.00 to 3.50 ppm (mg/L)	0.00 to 2.50 ppm (mg/L)
Resolution	0.01 ppm (mg/L)	
Accuracy	$\pm 3\%$ of reading plus $\pm 0.03$ ppm (mg/L) at 25°C	
Light Source	LED at 525 nm	
Light Detector	Silicon photocell	
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing	
Battery Type	(1) 1.5V AAA	
Auto-off	After 2 minutes of non-use and after read	
Dimensions	81.5 x 61 x 37.5 mm (3.2 x 2.4 x 1.5")	
Weight	64 g (2.25 oz)	
Method	EPA approved DPD method Standard Method 4500-Cl G	
Warranty	Six months	













Item No.	Mfr. Item No.	Description	Qty	Your Cost
<b>5151-35</b>	HI711	Checker®HC for total chlorine comes with (2) sample cuvettes with caps, (6) powder reagents, (1) 1.5V AAA battery & instructions	each	<b>49.00</b>
<b>5151-36</b>	HI701	Checker®HC for free chlorine comes with (2) sample cuvettes with caps, (6) powder reagents, (1) 1.5V AAA battery & instructions	each	<b>49.00</b>
<b>5151-38</b>	HI711-25	Reagents for 25 tests (Total Cl <sup>2</sup> )	pk/25	<b>7.00</b>
<b>5151-39</b>	HI701-25	Powder reagents for 25 tests (Free Cl <sup>2</sup> )	pk/25	<b>7.00</b>
<b>5151-40</b>	HI731318	Cuvette cleaning cloths	pk/4	<b>14.00</b>
<b>5151-41</b>	HI731331	Glass cuvettes	pk/4	<b>21.00</b>
<b>5151-42</b>	HI731353	Caps for cuvettes	pk/4	<b>27.00</b>
<b>5151-43</b>	HI93703-50	Cuvette cleaning solution, 230 mL	each	<b>25.00</b>



## Parameter List and Reagent Sets

### Colorimeter Reagent Sets

Parameter	Range*	Qty/pk	Item No.	DR/850	DR/890	Your Cost
Bromine	0 - 4.50	100	<b>H21056-69</b>	•	•	<b>21.15</b>
Bromine (AccuVac®)	0 - 4.50	25	<b>H25030-25</b>	•	•	<b>26.95</b>
Chlorine, Free, HR	0 - 5.00	100	<b>H14070-99</b>	•	•	<b>24.39</b>
Chlorine, Total, HR	0 - 5.00	100	<b>H14064-99</b>	•	•	<b>24.39</b>
Chlorine, Free (USEPA)	0 - 2.00	100	<b>H21055-69</b>	•	•	<b>21.15</b>
Chlorine, Free (AV) (USEPA)	0 - 2.00	25	<b>H25020-25</b>	•	•	<b>26.95</b>
Chlorine, Total (USEPA)	0 - 2.00	100	<b>H21056-69</b>	•	•	<b>21.15</b>
Chlorine, Total (AV) (USEPA)	0 - 2.00	25	<b>H25030-25</b>	•	•	<b>26.95</b>
Copper, Bicinchoninate (USEPA)	0 - 5.0	100	<b>H21058-69</b>	•	•	<b>47.59</b>
Copper, Bicinchoninate (AV) (USEPA)	0 - 5.0	25	<b>H25040-25</b>	•	•	<b>33.05</b>
Fluoride, SPADNS (AV)	 0 - 2.0	25	<b>H25060-25</b>	•	•	<b>37.99</b>
Iron, Total, FerroZine®	0 - 1.400	50	<b>H2301-66</b>	•	•	<b>22.35</b>
Iron, Total, FerroVer® (USEPA)	0 - 3.0	100	<b>H21057-69</b>	•	•	<b>23.99</b>
Iron, Total, FerroVer® (AV) (USEPA)	0 - 3.0	25	<b>H25070-25</b>	•	•	<b>33.45</b>
Manganese, LR	 0 - 0.700	100	<b>H22433-00</b>	•	•	<b>149.00</b>
Nitrate NitraVer®5 PP, Cadmium Reduction, MR (AV)	0 - 30.0	25	<b>H25110-25</b>	•	•	<b>33.35</b>
Nitrate NitraVer®5 PP, Cadmium Reduction, HR (AV)	0 - 30.0	100	<b>H21061-69</b>	•	•	<b>43.85</b>
Nitrate, Cadmium Reduction, LR	0 - 0.50	100	<b>H24298-00</b>	•	•	<b>83.00</b>
Nitrite, LR (USEPA)	0 - 0.35	100	<b>H21071-69</b>	•	•	<b>38.75</b>
Nitrite, LR (AV) (USEPA)	0 - 0.35	25	<b>H25120-25</b>	•	•	<b>33.35</b>
Nitrate NitraVer®2 PP, Ferrous Sulfate, HR	0 - 250	100	<b>H21075-69</b>	•	•	<b>41.85</b>
Nitrogen, Ammonia, Salicylate	 0 - 0.50	100	<b>H26680-00</b>	•	•	<b>114.00</b>
Nitrogen, Ammonia	 0 - 0.50	100	<b>H22437-00</b>	•	•	<b>327.00</b>
Oxygen Demand, Chemical, ULR	 0 - 40	25	<b>H24158-25</b>	•	•	<b>50.86</b>
Oxygen Demand, Chemical, LR (USEPA)	 0 - 150	25	<b>H21258-25</b>	•	•	<b>40.69</b>
Oxygen Demand, Chemical, HR (USEPA)	 0 - 1500	25	<b>H21259-25</b>	•	•	<b>40.69</b>
Oxygen Demand, Chemical, HR+	 0 - 15,000	25	<b>H24159-25</b>	•	•	<b>40.69</b>
Oxygen Demand, Chemical, Manganese III	 20 - 1000	25	<b>H26234-25</b>	•	•	<b>45.99</b>
Oxygen, Dissolved, HR (AV)	0 - 15	25	<b>H25150-25</b>	•	•	<b>33.19</b>
Ozone, LR (AV)	0 - 0.25	25	<b>H25160-25</b>	•	•	<b>34.55</b>
Ozone, MR (AV)	0 - 0.75	25	<b>H25170-25</b>	•	•	<b>34.55</b>
Ozone, HR (AV)	0 - 1.50	25	<b>H25180-25</b>	•	•	<b>34.55</b>
Phosphorus, PhosVer® 3 (USEPA)	0 - 2.5	100	<b>H21060-69</b>	•	•	<b>34.69</b>
Phosphorus, PhosVer® 3 (AV) (USEPA)	0 - 2.5	25	<b>H25080-25</b>	•	•	<b>33.05</b>
Zinc (USEPA)	 0 - 2.0	100	<b>H24293-00</b>	•	•	<b>64.35</b>

\* mg/L unless noted otherwise †Order COD Reactor separately  
 HR: High Range MR: Mid Range LR: Low Range UHR: Ultra High Range  
 USEPA: USEPA accepted or approved AV: AccuVac TNT: Test 'N Tube

**FIND IT AT WEBERSCIENTIFIC.COM**

- *More Hach prepared standards*
- *Aquamate Spectrophotometer from Thermo*
- *Chlorine Colorimeter Test Kit from LaMotte*



## Insta-Test Strips (LaMotte)

Multi-Factor Test Strips are very useful in dairy, food and beverage plants.

Item No.	Mfr. Item No.	Description	Range (ppm)	Values (ppm)	Qty per Vial	List Price	% Off List	Qty Break	Your Cost
5049-30	2994	Iron & Copper	0-5 (Iron)	0, 0.3, 0.5, 1, 3, 5	25	20.60	18	1-9	<b>16.89</b>
			0-3 (Copper)	0, 0.3, 0.6, 1, 3	25		21	10+	<b>16.27</b>
5049-36	2987	pH & Total Chlorine	4-10 (pH)	4, 5, 6, 7, 8, 9, 10	25				<b>7.91</b>
			0-50 (TCl)	0, 1, 5, 10, 20, 50	25				
5049-39	2996	Nitrate & Nitrite	0-50 (Nitrate)	0, 5, 10, 25, 50 (NO3-N)	25	12.30	18	1-9	<b>10.09</b>
			0-10 (Nitrite)	0, 0.5, 1, 5, 10 (NO2-N)	25		21	10+	<b>9.72</b>



## Water Quality Test Strips (Hach)

For anyone performing semi-quantitative spot-checks or field tests. Hach test strips are manufactured with a unique reagent pad at the tip, using proven chemistries based on standard reference methods. Just dip the strip, wait about 15 seconds until color development occurs, and compare the color of the reacted pad to the chart printed on the bottle.

Item No.	Parameter	Range	Steps, mg/L	Qty	List Price	% Off List	Your Cost
4315-50	5-in-1			bottle/50	17.69	5	<b>18.85</b>
	Free or Total Chlorine	0-10 ppm	0, 0.5, 1, 2, 4, 10				
	Total Hardness	0-425 ppm	0, 25, 50, 120, 250, 425				
	Total Hardness	0-25 gpg	0, 1.5, 3, 7, 15, 25				
	Total Alkalinity	0-240 ppm	0, 40, 80, 120, 180, 240				
	pH	6.2-8.4 pH units	6.2, 6.8, 7.2, 7.8, 8.4				
4315-70	Ammonia (NH3-N)	0-6 ppm	0, 0.25, 0.5, 1, 3, 6	bottle/25	22.39	5	<b>23.85</b>
4315-60	Chlorine, free	0-10 ppm	0, 0.5, 1, 2, 4, 10	bottle/50	16.65	5	<b>17.75</b>
	Chlorine, total	0-10 ppm	0, 0.5, 1, 2, 4, 10				
4315-30	Hardness, total	0-425 ppm	0, 25, 50, 120, 250, 425	bottle/50	11.85	5	<b>12.65</b>
		0-25 gpg	0, 1.5, 3, 7, 15, 25				
4315-40	Nitrate	0-50 ppm	0, 1, 2.5, 10, 20, 50	bottle/25	20.85	5	<b>22.19</b>
	Nitrite	0-3 ppm	0, 0.15, 0.3, 1, 1.5, 3				
4315-75	Phosphate (PO4)	0-50 ppm	0, 5, 15, 30, 50	bottle/50	23.05	5	<b>24.55</b>



## Quant® Test Strips For Ions and Compounds (EMD Chemicals Inc.)

For simple, quick semi-qualitative results. Complete with instructions and color chart. Time of analysis ranges from 10 to 60 seconds. 100 tests per pack.

Item No.	Test	Range, ppm(mg/l)	List Price	% Off List	Your Cost
4314-05	chloride	0 - 3000	66.37	18	<b>54.42</b>
4314-10	lead	20 - 500	134.21	5	<b>127.50</b>
4314-15	nitrate	10 - 500	71.74	18	<b>58.83</b>
4314-20	nitrite, high range	1 - 80	71.68	18	<b>58.78</b>
4314-25	nitrite, low range	0.1 - 3	74.58	18	<b>61.16</b>
4314-30	peroxide	0 - 25	67.88	18	<b>55.66</b>
4314-32	peroxide	100 - 1000	96.31	5	<b>91.49</b>
4314-35	sulfate	200 - 1600	79.01	18	<b>64.79</b>
4314-40	total hardness, low range	50 - 370	67.77	5	<b>64.38</b>
4314-45	total hardness, high range	85 - 430	67.74	5	<b>64.35</b>



## Salinity Pen (Sper 850036)

*Simultaneously displays salinity and temperature*

- Switchable °C or °F.
- Automatic temperature compensation
- 2 pt. calibration
- Auto power off
- Hold function
- Low battery indicator
- Case is IP65 waterproof and will float if accidentally dropped into the water
- Includes four LR44 button cell batteries; replacement #3029-60.
- Dim: 6 1/2 x 1 1/2 x 1 1/2" (165 x 38 x 38 mm)
- Weight: 2 1/2 oz (68 g)
- 1 year warranty



Unit of Measure	Range	Resolution	Accuracy
Salinity	0~10 ppt / 0~1%	0.01 ppt	1% fs + 1D
	10~70 ppt / 1~7%	0.1 ppt	1% fs + 1D
Temperature	-32~122°F / -0~50°C	0.1°	±2°F / ±1°C

Item No.	List Price	% Off List	Qty Break	Your Cost
3036-70	67.00	10	1	<b>60.30</b>
		15	2+	<b>56.95</b>

**FIND IT AT WEBERSCIENTIFIC.COM**

- *ExStik™ Waterproof Pocket Chlorine meter*
- *Portable Test Kits and replacement Reagents (Hach)*

## Quantab® Chloride Titrators (Environmental Test Systems)

Particularly popular with cheese manufacturers. Test strips provide a quick, specific on-the-spot test for determining chloride content levels in critical aqueous solutions. Simply place the strip into the solution to be tested and get a specific chloride content measurement in about 10 minutes. Results are read by observing the number on the strip and then using the accompanying calibration table to convert the reading to ppm chloride ion. Almost any food processing plant using salt will find Quantab™ Titrators useful for routine, in-process quality control or as a method for further testing. Easy-to-use strips give accurate results without costly laboratory equipment or technical training.



Item No.	Range	NaCl % / Cl-ppm	Qty	Your Cost
4315-15	low	.005 - .10 30 - 600	40 strips	<b>49.95</b>
4315-20	high	0.05 - 1.0 300 - 6000	40 strips	<b>48.85</b>

## DPD TESTABS® (LaMotte)

Widely used tablet format for determining Free and Total chlorine in water.

Item No.	Mfr. Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
5050-20	6999J	DPD #1 Rapid Tablets	case/100	15.10	18	1-9	<b>12.38</b>
		Free Chlorine			21	10+	<b>11.93</b>
5050-25	6905J	DPD #3 Rapid Tablets	case/100	15.10	18	1-9	<b>12.38</b>
		Total Chlorine			21	10+	<b>11.93</b>
5051-07	6197-H	Chlorine DPD TESTABS #3 (50 ct)	Each	9.10	20		<b>7.28</b>

## Peracetic Acid/Hydrogen Peroxide Test Kit (LaMotte 7191) ⚠

This titration kit can measure either PAA in 15-ppm increments or peroxide concentrations in 50-ppm increments. The hydrogen peroxide equivalence is 1 drop = 50 ppm. The peracetic acid equivalence can be modified to test different concentrations by using a different sample size. The result is a 1 drop = 6, 15, or 300 ppm equivalence. Do not use for tap water or low levels of peracetic acid.

Item No.	Mfr. Item No.	Description	List Price	% Off List	Your Cost
5049-70	7191-01	Peracetic Acid/Hydrogen Peroxide Test Kit • Peracetic Acid Titrant 60 mL • Sulfuric Acid 30 mL • Ferrioin 15 mL • Hydrogen Peroxide Titrant 2x3 mL • Potassium Iodide 30 mL • Test Tube, 5-10-25 mL, plastic, w/cap	71.50	20	<b>57.20</b>

### Peracetic Test Kit Components

Item No.	Mfr. Item No.	Description	Qty	List Price	% Off List	Your Cost
5049-71	S-6155-H	Peracetic Acid Titrant	60 mL	8.55	20	<b>6.84</b>
⚠ 5049-72	6141WT-G	Sulfuric Acid	30 mL	8.50	20	<b>6.80</b>
5049-73	6410-E	Ferrioin	15 mL	7.40	20	<b>5.92</b>
⚠ 5049-74	5650LWT-G	Hydrogen Peroxide Titrant	2x3 mL	12.65	20	<b>10.12</b>
5049-75	6521-G	Potassium Iodide 20% Solution	30 mL	13.10	20	<b>10.48</b>



800-328-8378

### ACCESSORIES: CHLORINE TESTING



Chlorine Test Strips see pages 183-184, 240.  
Salt Refractometers see website.

WATER TESTING

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## COD Test Reagents (Hach)

### USEPA-Approved Dichromate COD Method

Item No.	Description	Your Cost
<b>Reagent Vials</b>		
H24159-25	High Range Plus (200 to 15000 mg/L), 25/pk	40.69
H24159-15	High Range Plus (200 to 15000 mg/L), 150/pk	224.00
H21259-25	High Range (0 to 1500 mg/L), 25/pk	40.69
H21259-15	High Range (200 to 1500 mg/L), 150/pk	224.00
H21258-25	Low Range (0 to 150 mg/L), 25/pk	40.69
H24158-15	Ultra-Low Range (1 to 40 mg/L), 150/pk	280.00
H12186-29	COD Standard Solution, 300 mg/L, 200 mL	23.59

## BOD Bottle, KIMAX® (Kimble 15070)

300 mL capacity. Flared mouth forms water seal. The bottle shoulder radius has been modified to provide an interior shape which sweeps entrained air out of the stopper opening. Pennyhead stopper design uses a conical extension to displace excess sample which further insures no air entrapment in sample. Pack of 24.



Item No.	Number Sequence	List Price	% Off List	Your Cost
3052-80	unnumbered	371.80	24	282.57

## BOD Test Reagents (Hach)

Item No.	Description	Your Cost
H14865-10	BOD Standard, 10 mL ampules; pk/16.	43.59
H2533-35	Nitrification Inhibitor, 35 gram.	23.15
H14160-66	Nutrient Buffer Pillows, for preparing 300 mL; pk/50.	11.59
H14863-98	BOD Nutrient Buffer Pillows, prepares 19 L; 25/pk	62.09



## BOD Seed

Contains a wide variety of microorganisms capable of degrading industrial municipal wastewater. As specified in Standard Methods for the Examination of Water and Wastewater. One bottle contains 50 capsules.

Item No.	List Price	% Off List	Your Cost
3052-15	135.20	20	108.16

## AquaSnap™ ATP Water Testing Device (Hygiena)

### Sensitive Water Quality Analysis in 15 Seconds

AquaSnap is an easy-to-use ATP liquid test compatible with Hygiena luminometers. The device is available in two formats: Free and Total. AquaSnap Free measures dissolved ATP that is free in solution (non-microbial ATP). AquaSnap Total measures both free ATP in solution and microbial ATP (non-microbial and microbial ATP). The difference between Total and Free provides an indication of microbial contamination in the sample. Both tests feature a specifically designed dipper tip that collects 100 µl of water, ensuring consistent sample collection. The test device's unique liquid-stable chemistry, combined with simple design, offers unrivaled accuracy and reproducibility. The devices are often used for monitoring CIP systems, and for industrial water treatment systems such as cooling towers and closed water systems.

#### Recommended Applications

- ✓ CIP systems
- ✓ Water quality assessment
- ✓ Bioburden testing

#### Product Features

- ✓ Detects down to 103 CFU
- ✓ Easy-to-use Snap-Valve™ technology - snap & squeeze
- ✓ Write-on swab label
- ✓ 15 months shelf life at refrigerated temperatures (2-8°C)
- ✓ 4 weeks at room temperature (21-25°C)
- ✓ Results in 15 seconds
- ✓ Tolerant to temperature abuse
- ✓ Collects 100 µl of sample - no pipetting



Item No.	Description	Mfr. Item No.	Qty	Qty Break	Your Cost
3661-95	Total ATP	AQ-100X	pack/100	1	226.00
				2+	210.00
3661-96	Free ATP	AQ-100FX	pack/100	1	226.00
				2+	210.00
3661-72	Ensure Luminometer	ENSURE		1	1451.00
3661-80	SystemSURE Plus Luminometer	SS3		2+	1250.00
				1	1305.00
				2+	1187.50



(see ATP Testing section in Sanitation Supplies for complete information on luminometers)

**INNOVATIVE  
PRODUCT**

### ACCESSORIES: FOR BOD TESTING



BOD Incubator see page 19.  
Luminometers see page 180.

## Pseudalert™ (IDEXX)

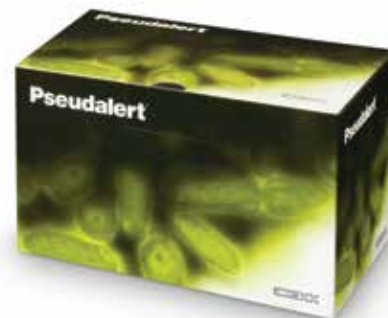
### Detect and quantify *Pseudomonas aeruginosa* in just 24 hours

*P. aeruginosa* in pool/spa water can cause “hot-tub rash,” “swimmer’s ear” and a host of other infections, while contamination of bottled water can lead to illness in sensitive populations. Now detect *P. aeruginosa* in 24 hours.

- Use for presence/absence (P/A) detection or with the Quanti-Tray® or Quanti-Tray®/2000 for most probable number (MPN) enumeration.
- Delivers definitive results with no additional confirmation steps.
- Minimizes the risk of false positives from nontarget organisms.

#### How to Use Pseudalert Quantification

- Step 1. Add reagent to sample.
- Step 2. Shake to dissolve.
- Step 3. Add 2 drops anti-foam solution #WAFDB
- Step 4. Pour into Quanti-Tray or Quanti-Tray®/2000.
- Step 5. Seal in Quanti-Tray sealer and incubate for 24-28 hours at 38°C.
- Step 6. Under UV light count fluorescent wells and refer to most probable number (MPN) table.



#### How to Use Pseudalert Presence/Absence

- Step 1. Add reagent to sample (sample will turn yellow), and then incubate at 38±0.5°C for 24–28 hours.
- Step 2. Read under ultraviolet (UV) light. Blue fluorescence indicates presence of *P. aeruginosa*.

Item No.	Description	Qty	List Price	% Off List	Your Cost
WPSE020	For 100 mL sample	20 snap packs	162.61	22	<b>126.84</b>
WPSE200	For 100 mL sample	200 snap packs	1296.84	19	<b>1050.44</b>



## SimPlate® for HPC (IDEXX)

### Good News for Pour Plate Users—A Method That’s Easier to Read and Easier to Use

The US EPA has approved SimPlate for compliance testing of drinking water. It is a new testing method for heterotrophic plate count that eliminates the need for medium preparation and produces easy to use results. SimPlate has significant benefits compared to traditional pour plates:

#### Easy

- No agar preparation.
- Easy to read.
- 738 per plate Most Probable Number (MPN) counting range minimizes need for dilutions. (In contrast, traditional standard methods agar plates can only count up to 300 CFU before reaching the TNTC - too numerous to count - level.)

#### Rapid

- Instant media preparation.
- Less than 2 minutes hands-on time.
- Reduced read time.

#### Accurate

- Correlates with US EPA-approved pour plate method<sup>1</sup> using plate count agar and 48-hour, 35°C incubation.<sup>2</sup>
- Simplified procedure minimizes chance of contamination.
- Less subjective interpretation than pour plate.

#### Economical

- Less equipment to purchase and maintain.
- Increased productivity saves labor costs.
- Minimal Quality Control (QC).

#### Simple

- Add 10 mL sample to media vessel.
- Pour contents of tube onto center of plate base
- Cover plate with lid and swirl
- Pour off excess
- Invert and incubate for 48 hours.
- Read under UV light.

<sup>1</sup> American Public Health Association *Standard Methods for Examination of Water and Wastewater*, 19th Ed. 1995, A.D. Eaton, L.S. Clesceri, A.E. Greenberg (eds.), American Public Health Association, Washington, DC.

<sup>2</sup> Data on file at IDEXX Laboratories, Inc.

Item No.	Description	Your Cost
WHPC-25	pack of 25-unit dose media tubes and 25 SimPlates	<b>88.67</b>
WHPC-100	pack of 10 multi-dose media vessels and 100 SimPlates	<b>234.29</b>
WSW-10	100 mL Bottles of Sterile Water, Case/10	<b>29.72</b>

# Colilert® and Colisure® (IDEXX)



## Effortless water testing for coliforms and *E. coli*



Now more economical than ever, you can realize big savings by using Colilert or Colisure as a one-step method for your water quality and compliance testing. With less than one minute hands-on time you'll get results for total coliform as well as *E. coli* in 18 or 24 hours! These tests are much easier than other standard methods procedures and are more accurate! With its full range of regulatory approvals, it has become the perfect test for a wide variety of source water applications.

### Just a few examples:

- Required regulatory compliance – significant savings compared to sending samples to a commercial lab.
- Juice from concentrate, flavored drinks or teas.
- Bottled water – also ideal for finished product analysis.
- Fresh cut produce or fruit rinse water, before or after processing.

**Following are other key benefits of using this technology, truly the gold standard of rapid coliform in water testing:**

### Fully Approved

- Colilert and Colisure are *Grade A Pasteurized Milk Ordinance* (FDA/NCIMS/PMO) approved for total coliform for plant and farm source waters. Recognized for use by certified milk laboratories for negative and positive confirmation for total coliform testing.
  - USEPA, AOAC and IBWA approved for total coliforms and *E. coli*.
- Accepted APHA *Standard Methods for the Examination of Water and Wastewater* for total coliforms and *E. coli*.

### Economical

- Check out our competitive pricing – up to 27% lower than before.
- 20-50% less expensive than traditional methods<sup>1</sup>.
- Dramatically reduced labor costs.
- No media preparation, clean-up or waste.
- Shelf life up to 12 months from date of manufacture at room temperature.

### Rapid

- Confirmed and completed results within 18 or 24 hours — 30 to 72 hours sooner than traditional methods.
- Less than 1 minute hands-on time.



### Convenient

- Pre-measured, unit dosed, and ready to use.
- Clear, easy-to-read color results.
- Collection, incubation and reading can be done in the same vessel.
- Suitable for field use.
- QC procedure can be done in 15 minutes.
- Colisure has a read window that lasts up to 48 hours.

### Sensitive and Specific

- Total coliforms and optional *E. coli* simultaneous detection, identification and confirmation.
- Detects a single viable coliform or *E. coli* per sample.
- No heterotrophic interference.
- No pre-enrichment or post confirmation steps required.

- ✓ **Results in 18 to 24 hours**
- ✓ **Fully approved - AOAC, EPA, PMO**
- ✓ **Reduced prices**

**Be certain your water is coliform free. It's critical for ...**

- ✓ **Sanitation**
- ✓ **Product rinse**
- ✓ **Water as an ingredient**
- ✓ **Regulatory compliance**

<sup>1</sup>According to AWWARF Research Applications, May 1993 #4.

## How to use the Colilert and Colisure Presence/Absence Test

### Testing Procedures

Note: 30 hours are allowed between sampling and testing

#### Colilert Presence / Absence (P/A)

(WPO20 & WP200)

Add reagent to sample.

Incubate at 35°C. for 24 hours.

Read results: **clear** is negative for total coliforms and *E. coli*. **Yellow** is positive for total coliforms. **Fluorescent** is positive for *E. coli*. Results are definitive at 24-28 hours. In addition, positives for both total coliforms and *E. coli* observed before 24 hours and negatives observed after 28 hours are also valid.

#### Colilert-18 Presence / Absence (P/A)

(WPO20-18 & WP200-18)

Add reagent to water. Cap vessel and shake. If sample is not already at 33-38°C, then place vessel in a 35°C water bath for 20 minutes or, alternatively, a 44.5°C water bath for 7-10 minutes. Incubate at 35±0.5°C for the remainder of the 18 hours.

Read results: **clear** is negative for total coliforms and *E. coli*. **yellow** is positive for total coliforms. **Fluorescent** is positive for *E. coli*. Tests may be incubated up to but not longer than 22 hours to allow color and/or fluorescent to intensify. Positives for both total coliforms and *E. coli* observed before 18 hours and negatives observed after 22 hours are also valid.

#### Colisure Presence / Absence (P/A)

(WCLS20 & WCLS200)

Add reagent to sample.

Incubate at 35°C for 24 hours.

Read results: **Yellow** is negative for total coliforms and *E. coli*. **Magenta** is positive for total coliforms. **Magenta/fluorescent** is positive for *E. coli*. Results are definitive at 24 hours with a read window that lasts up to 48 hours.



Add reagent to sample.



Incubate at 35°C. for 24 hours, 18 hours for Colilert-18 (P/A).

### Colilert® Test Reactions



**Clear** is negative for total coliforms and *E. coli*.



**Yellow** is positive for total coliforms.



**Fluorescent** is positive for *E. coli*.

### Colisure® Test Reactions



**Yellow** is negative for total coliforms and *E. coli*.



**Magenta** is positive for total coliforms.



**Magenta/Fluorescent** is positive for *E. coli*.

Samples of Colilert or Colisure Reagent and Vessel are available upon request.







## Colilert and Colisure P/A

Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
WP020	Colilert Presence/Absence	20 tests	131.30	23	1	<b>101.10</b>
				27	2+	<b>95.85</b>
WP100	Colilert Presence/Absence	100 tests	586.81	26	1	<b>434.24</b>
				29	2+	<b>416.64</b>
WP200	Colilert Presence/Absence	200 tests	1039.29	18	1	<b>852.22</b>
				21	2+	<b>821.04</b>
WP020-18	Colilert 18-hour Presence/Absence	20 tests	145.44	22	1	<b>113.44</b>
				26	2+	<b>107.63</b>
WP200-18	Colilert 18-hour Presence/Absence	200 tests	1175.64	23	1	<b>905.24</b>
				27	2+	<b>858.22</b>
WCLS20	Colisure Presence/Absence	20 tests	149.48	25	1	<b>112.11</b>
				28	2+	<b>107.63</b>
WCLS200	Colisure Presence/Absence	200 tests	1175.64	23	1	<b>905.24</b>
				27	2+	<b>858.22</b>

## Also available - Colilert pre-dispensed Most Probable Number (MPN) format

Item No.	Description	Qty	Your Cost
W100	Colilert Pre-Dispensed MPN	100 disp. 10 mL tubes of pre-dispensed reagent in carrier trays, for ten 10-tube MPN	<b>156.00</b>
W102	Comparator Colilert MPN	10 mL test tube of yellow/fluorescence Colilert comparator	<b>15.41</b>
W200	Colilert Pre-Dispensed MPN	200 disp. 10 mL tubes of pre-dispensed reagent in carrier trays, for twenty 10-tube tests	<b>280.88</b>

## Sterile Sample Containers

Item No.	Description	Qty	Your Cost
WV120-20	Polystyrene Vessel, Tear-Off Label	20 high clarity 120 mL polystyrene vessels without sodium thiosulfate; w/tear-off label	<b>15.60</b>
 WV120-200	Polystyrene Vessel, Tear-Off Label	200 high clarity 120 mL polystyrene vessels without sodium thiosulfate; w/tear-off label	<b>114.03</b>
WV120SB-20	Polystyrene Vessel, Shrink-Band	20 high clarity 120 mL polystyrene shrink-banded vessels without sodium thiosulfate	<b>15.60</b>
 WV120SB-200	Polystyrene Vessel, Shrink-Band	200 high clarity 120 mL polystyrene shrink-banded vessels without sodium thiosulfate	<b>114.03</b>
WV120SBST-20	Polystyrene Vessel, Shrink-Band, w/ST	20 high clarity 120 mL polystyrene shrink-banded vessels with sodium thiosulfate	<b>15.60</b>
 WV120SBST-200	Polystyrene Vessel, Shrink-Band, w/ST	200 high clarity 120 mL polystyrene shrink-banded vessels with sodium thiosulfate	<b>114.03</b>
WV120ST-20	Polystyrene Vessel, Tear-Off Label, w/ST	20 high clarity 120 mL polystyrene vessels with sodium thiosulfate; w/tear-off label	<b>15.60</b>
 WV120ST-200	Polystyrene Vessel, Tear-Off Label, w/ST	200 high clarity 120 mL polystyrene vessels with sodium thiosulfate; w/tear-off label	<b>114.03</b>
WV120SBAF-200	Polystyrene Vessel, Shrink-Band	200 high clarity 120 mL polystyrene shrink-banded vessels with Anti-foam	<b>131.29</b>

## Accessories

Item No.	Description	Qty	Your Cost
WAFDB	Antifoam Solution	20 mL Dropper Bottle	<b>15.69</b>
WKIT1001	Quanti-Cult Q.C. Test Kit	Contains 3 E. coli, 3 K. Pneumonise, 3 P. Aeruginosa	<b>160.88</b>
WL160	Hand Held U.V. Lamp	6 watt U.V. lamp with tube and A.C. cord	<b>112.54</b>
WL200	Pocket U.V. Fluorescent Lamp	4 watt battery powered U.V. lamp. 4 AA batteries (not included)	<b>36.07</b>
WP104	Comparator Colilert/Colilert-18	Vessel filled with 100 mL Colilert color and fluorescence comparator for distinguishing positive from negative test	<b>7.28</b>
WVR20	Vessel Rack	Nylon coated wire rack for up to 20 polystyrene vessels	<b>36.19</b>
3432-00	Rechargeable UV Lamp	Portable/Rechargeable UV Lamp 365 NM, 6 watt	<b>357.35</b>

**FREE with every order for \$100 or more when you purchase Colilert or Colisure P/A reagent.**

Our exclusive *E. coli* Happens coffee mug is yours absolutely free while supplies last. Be sure to specify promo code: **ECM1105** when placing your order.

One mug per order, please.



Sample of Colilert Reagent and Vessel available upon request.

### ACCESSORIES: FOR COLIFORM



Additional Water Sampling Supplies see pages 156-157.  
 UV Pen see page 104.  
 UV absorbing goggles see page 144.



## Quanti-Tray® and Quanti-Tray 2000® From IDEXX ... Automated Water Sample Handling for Coliform and *E. coli* Quantification

Combines the rapid and easy-to-use technology of Colilert® and Colisure® technology reagent with the added benefit of enumerated results. To conduct the test: add reagent to the sample; pour the sample reagent/mixture into a Quanti-Tray; seal the tray and incubate. Quanti-Trays are sterile and disposable trays. Quanti-Tray contains 51 separate wells and counts (Most Probable Number) up to 200 CFU/100 mL. Quanti-Tray 2000 contains 96



1. ADD COLILERT TO SAMPLE.



2. POUR SAMPLE/ COLILERT MIXTURE INTO QUANTI-TRAY.



3. SEAL TRAY AND INCUBATE 24 HOURS.



4. COUNT POSITIVE WELLS AND REFER TO MPN TABLE.

wells and counts up to 2,419 CFU/100 mL without any dilutions. Sealing is accomplished through the use of the specially designed sealer. Results are available in 18 or 24 hours.

Quanti-Tray indicates the quantity of coliform bacteria by the number of wells that turn yellow or magenta. Fluorescent wells indicate the quantity of *E. coli*. A simple MPN table converts well counts to a Most Probable Number. Results are both presumptive and confirmatory — no additional testing is required.



### UV Viewing Cabinet (IDEXX)

Use in viewing IDEXX water tests' fluorescence in a well-lit laboratory. Aluminum cabinet with built-in UV-absorbing window, access curtain and holding bracket for lamps. Lamps not included. Dimensions: 9" W x 12" D x 6.5" H (23 cm x 30 cm x 17 cm)



### Simple Test Procedure

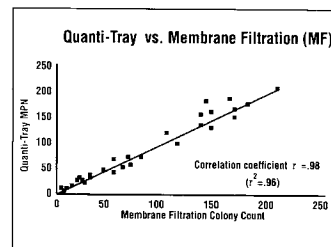
- Less than 2 minutes hands-on time
- Minimizes dilutions
- No pipetting required
- No media preparation

### Easy Interpretation of Results

- No subjectivity (sheen/atypical, overlapping)
- Heterotrophic interference minimized
- No confluent growth
- Colony counting eliminated

### Accurate

- Detects down to 1 CFU/100 mL
- More precise than 5 or 10 tube MPN
- Accuracy and precision comparable to MF



Item No.	Description	Qty	Qty Break	Your Cost
WQT-100	Quanti-Tray; 51 well format	case/100		101.00
WCMBCLS-100-20	Colisure/Quanti-Tray Combo	pack/20		145.75
WCMB18-100-20	Colilert 18/Quanti-Tray Combo	pack/20		135.64
WCMB24-100-20	Colilert 24/Quanti-Tray Combo	pack/20		124.07
WQT-2K	Quanti-Tray 2000; 97 well format	case/100	1	143.85
			2+	129.28
WCMBCLS-2K-20	Colisure/Quanti-Tray2K Combo	pack/20		152.97
WCMB18-2K-20	Colilert 18/Quanti-Tray2K Combo	pack/20		142.87
WCMB24-2K-20	Colilert 24/Quanti-Tray2K Combo	pack/20		132.77
WQTSPLUS	Quanti-Tray® Sealer PLUS; one year warranty	each	1	4161.30
			2+	3454.25
WQTC	Quanti-Tray Comparator	each		10.40
WQT2KC	Quanti-Tray 2000 Caparator	each		11.11
WCM10	UV Viewing Cabinet	each		184.69

## Enterococci Results in 24 Hours

### Enterolert® Rapid Enterococci Test (IDEXX)

Enterolert detects and quantifies enterococci in just 24 hours. Sample fluoresces to indicate the presence of enterococci. Eliminate tedious membrane filtration work. Enterolert is an official ASTM Method (#D6503-99). Shelf life: Up to 18 months at 4-30°C. Enterolert has a significantly lower rate of false positives and false negatives than membrane filtration, giving it a sensitivity of 99.6% and a specificity of 94.9%, as indicated below:



### Enterolert vs. Membrane Filtration (MF)

	MF	Enterolert
False + Rate	10.00%	5.10%
False - Rate	11.70%	0.40%
Hands-on Time	16 min.	2 min.
Incubation	48 hrs. + 20 min.	24 hrs.
Confirmation	Need	No need

May, 1995, ASM Poster Presentation, State of Connecticut, Dept. of Public Health, Gary Budnick, et al.



### How to Use Enterolert Quantification

- Step 1. Add reagent to sample.
- Step 2. Pour into Quanti-Tray® (counts from 1-200) or Quanti-Tray/2000 (counts from 1-2,419).
- Step 3. Seal in Quanti-Tray® Sealer and incubate for 24 hours at 41°C.
- Step 4. Count fluorescent wells and refer to most probable number (MPN) table.

Item No.	Description	List Price	% Off List	Qty Break	Your Cost
WENT20	20 snap packs for 100 mL water samples	162.61	23	1	125.21
				2+	118.71
WENT200	200 snap packs for 100 mL water samples	1296.84	19	1	1050.44
				2+	998.57
WCMBENT-100-20	20-pack of Enterolert/ Quanti-Tray Combo				145.75
WCMBENT-2K-20	20-pack of Enterolert/ Quanti-Tray2K Combo				152.95

## Microbiological Testing Products

### Membrane Filtration

The Membrane Filter (MF) technique is used by water laboratories around the world to detect the presence of total and fecal coliform bacteria (*E.coli*). The MF technique is also designed for total bacterial recovery, heterotrophic plate count and fungi (yeast and molds).



H23232-12



### Prepared Media (Hach)

Choose from ready-to-use 2 mL PourRite™ glass ampules or practical plastic ampules.

Description	Test	Glass Item No.	Avail.	Your Cost	Plastic Item No.	Avail.	Your Cost
m-ColiBlue24® Broth, EPA	Total Coliform/E. coli	<b>H26084-20</b>	pack/20	<b>54.09</b>	<b>H26084-50</b>	pack/50	<b>125.00</b>
m-Endo Broth	Total Coliform	<b>H23735-20</b>	pack/20	<b>34.25</b>	<b>H23735-50</b>	pack/50	<b>80.55</b>
m-FC Broth	Fecal Coliform	<b>H23732-20</b>	pack/20	<b>33.69</b>	<b>H23732-50</b>	pack/50	<b>79.45</b>
m-FC Broth w/Rosalic Acid	Fecal Coliform	<b>H24285-20</b>	pack/20	<b>34.25</b>	<b>H24285-50</b>	pack/50	<b>78.35</b>
m-Green YM Broth	Yeast and Mold				<b>H24283-50</b>	pack/50	<b>80.55</b>
m-TGE	Heterotrophic Bacteria	<b>H23738-20</b>	pack/20	<b>34.75</b>	<b>H23738-50</b>	pack/50	<b>79.45</b>
m-TGE with TTC	Heterotrophic Bacteria w/ TTC indicator	<b>H24284-20</b>	pack/20	<b>34.75</b>			

### Other MF media or packaging.

### Rosalic Acid (Difco 23228)

For use with m-FC broth.

Item No.	Qty	Your Cost
<b>3047-00</b>	6 X 1 gram	<b>128.80</b>

Item No.	Description	Test	Qty	Your Cost
<b>H23735-42</b>	m-Endo Broth	Total Coliform	100 mL bottle	<b>41.09</b>
<b>H21821-15</b>	Lauryl Tryptose w/ MUG Broth Tubes, Concentrated	Coliform and E. coli	pack/5	<b>30.79</b>
<b>H21844-21</b>	MUG Fluorescence Crystals	Rapid detection of E. coli	1 gram	<b>160.00</b>
<b>H23232-12</b>	Presence-Absence (P/A) Media	Total Coliforms	pack/12	<b>56.29</b>
<b>H23232-50</b>	Presence-Absence (P/A) Media	Total Coliforms	pack/50	<b>207.00</b>



### Sterile Biosart® 100 Nutrient Media (Sartorius)

Individually sterilized 2.5 mL plastic ampules. If stored under proper conditions (+4°C), the culture media have a shelf life of 9 to 12 months from date of manufacture. Comes with certificate of quality for every batch.

Item No.	Mfr. Item No.	Description	Qty	List Price	% Off List	Your Cost
<b>3046-40</b>	16400-02-EN-K	Endo Broth for E. coli and Coliforms	pack/50	79.00	20	<b>63.20</b>
<b>3046-42</b>	16400-02-MF-K	m-FC Broth for E. coli and Coliforms	pack/50	79.00	20	<b>63.20</b>
<b>3046-44</b>	16400-02-TC-K	TGE for total heterotrophic count	pack/50	79.00	20	<b>63.20</b>
<b>3046-46</b>	16400-02-MG-K	m-Green broth for yeast and molds	pack/50	79.00	20	<b>63.20</b>
<b>3046-48</b>	16400-02-OS-K	Orange Serum broth for acid tolerant organisms	pack/50	79.00	20	<b>63.20</b>
<b>3046-49</b>	16400-02-WZ-K	Wort agar for Yeasts	Pack/50	79.00	20	<b>63.20</b>
<b>3046-50</b>	16400-02-WN-K	WL Nutrient Agar for yeasts, mold and bacteria	Pack/50	79.00	20	<b>63.20</b>
<b>3046-51</b>	16400-02-WK-K	WLD Medium for brewing bacteria	Pack/50	79.00	20	<b>63.20</b>
<b>3046-53</b>	16400-02-TZ-K	TC-TTC Medium for enumeration	Pack/50	79.00	20	<b>63.20</b>

### ACCESSORIES: FOR WATER AND WASTEWATER



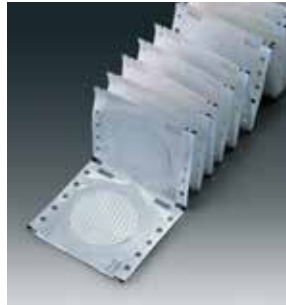
Additional Culture Media see pages 48-59.  
 99mL Sterile Water see pages 46-47.

## Sterile 47 mm Membrane Filters (Sartorius)

### Outstanding recovery rates for micro-organisms

Sterile, individually wrapped membranes have a 0.45 µm pore size. They are made of cellulose nitrate (cellulose ester), a material that assures effective retention with high flow rates and optimum colony growth. The printed grid divides the filtration area into 130 squares (each measuring 3.1x3.1 mm) which makes the counting easier, especially for higher bacteria counts and for micro-colonies, but does not influence the growth. White membranes are most popular for enumerating general bacteria. Gray membranes turn black when wet for facilitating the detection of yeast and molds.

- Certified Quality
- Gamma irradiated, 25kGray
- No enhancement or inhibition by the grid lines



Item No.	Mfr. Item No.	Description	Qty	List Price	% Off List	Qty Break	Your Cost
3046-05	114H6-47-ACN	White with black grid; high flow membrane	pack/100	120.00	60	1-9	<b>48.00</b>
					68	Multi. of 10	<b>38.40</b>
3046-09	13006-47-ACN	Gray for yeast and molds	pack/100	120.00	60	1-9	<b>48.00</b>
					68	Multi. of 10	<b>38.40</b>

## **NEW!** Non-sterile 47 mm Membrane Filters (Sartorius)

Non-sterile, gridded membrane filters can be used for colony counting, particle testing and microscopy. Before usage, the filters first need to be sterilized (e.g. by autoclaving at 121°C). Cellulose nitrate filters (mixed cellulose ester) contain a mixture of cellulose nitrate and cellulose acetate, which assures effective retention combined with high flow rates and optimal colony growth. Cellulose acetate combines high flow rates and thermal stability with very low adsorption characteristics. Individually wrapped membranes have a 0.45 µm pore size.



Item No.	Mfr. Item No.	Description	Qty	Qty Break	Your Cost
3046-00	11406-47-N	White with black grid; high flow membrane	pack/100	1-9	<b>65.82</b>
				Multi. of 10	<b>53.00</b>

FIND IT AT [WEBERSCIENTIFIC.COM](http://WEBERSCIENTIFIC.COM)



- **Sterile Nutrient Pad Sets (NPS) (Sartorius)**

## GN-6 Metrical® Membranes (Pall/Gelman)

47 mm diameter. 0.45 µm pore size membrane has a white background and features a dot pattern grid that helps minimize grid line effect on colony growth. Certified by Gelman to be in accordance with the membrane filtration technique referenced in *Standard Methods for the Examination of Water and Wastewater*, 17th edition, 1989, and the USEPA's *Microbiological Methods for Monitoring the Environment, Water and Wastes*, 1978.



Individually wrapped sterile packages (S-packs)

Item No.	Mfr. Item No.	Qty	List Price	% Off List	Qty Break	Your Cost
3053-40	66068	pack/200	196.15	35	1-4	<b>127.50</b>
				45	Multi. of 5	<b>107.88</b>

## Sterile Petri Dishes with Absorbent Pads (Sartorius)

For 47 mm membrane filters.

Item No.	Mfr. Item No.	Description	Qty	Your Cost
3046-14	15400-50-N	Absorbent pad set in petri dishes	pk/100	<b>48.00</b>

## Sterile Petri Dishes (Pall/Gelman)

Available with or without pre-loaded absorbent pads. 50 mm X 9 mm size uses 47 mm membranes. Patented design is easily opened with one hand, yet closes to a tight seal. Packaged in a hinged, egg carton-like box, or in a sterile bulk package of 500 units, packaged in plastic sleeves of 25 units each.



Item No.	Mfr. Item No.	Description	Qty	List Price	% Off List	Your Cost
3053-55	7245	With absorbent pads	pk/100	70.32	17	<b>58.37</b>
3053-57	7242	Without absorbent pads	pk/100	58.02	13	<b>50.48</b>
3053-59	7232	Without absorbent pads	cs/500	210.81	15	<b>179.19</b>



## Membrane Tweezers (Sartorius)

Membrane filters should only be handled with suitable tweezers in order to avoid contamination which can result from hand contact. These stainless steel tweezers can be flamed and they are autoclavable. They have blunt-edged tips for a careful, firm hold of the membrane filter.

## Membrane Forceps (Pall/Gelman 51147)

Stainless steel with plastic finger grips.

Item No.	Your Cost
3053-70	<b>52.53</b>

Item No.	Mfr. Item No.	Your Cost
3046-35	16625	<b>38.96</b>

## Vacuum-Pressure Diaphragm Pump (Gast)

Free-air capacity of 1.1 cfm

- Oil-less – runs dry
- Pressure and vacuum gauges
- Shaded-pole, ball bearing type, fan-cooled motor
- Thermal overload switch to protect the pump system



### Specifications

Max vacuum	25.5" Hg
Max pressure (psi)	60
Free-air capacity	1.1 cfm (31.2 L/min)
Port size	1/4" NPT(F), 3/8" hose barb on gauges
Max temperature	100°F (38°C)
Motor type	permanent split capacitor
Duty cycle	Continuous
hp	1/8
Wetted parts	Aluminum, stainless steel, NORDEL®, and NOMEX®
Noise level (dB)	68
Dimensions	7-5/8"L x 5-1/8"W x 10-1/4"H
Amps	4.2
Power	115 VAC, 60 Hz
Stages	Single

Item No.	Your Cost
<b>3054-50</b>	<b>498.75</b>

## Filter Unit, Type A (Hach)

Certified for water quality work, this sterile, disposable, polystyrene filter unit contains a 47 mm, 0.45 µm cellulose membrane for superior recovery and growth of microorganisms. It offers good chemical resistance to dilute acids, aromatic and aliphatic hydrocarbons, and conforms to APHA and Standard Methods. Filter unit is available for use in multiple filtrations. Nalgene®.



Item No.	Qty	Your Cost
<b>H26566-00</b>	Filter Unit, 12/pk	<b>123.31</b>

## Hand Vacuum Pump with Gauge

Reads in both cm and inches of mercury. Easy vacuum release valve with disconnecting the pump. Pumping rate is 15 mL per stroke.



Item No.	Your Cost
<b>3053-66</b>	<b>39.00</b>



3048-20

## Sterile Biosart® 100 Disposable Monitors (Sartorius)

*Specially designed for microbiological testing of beverages and water*

These ready-to-use sterile Monitors incorporate a 0.45 µm membrane filter and cellulose pad. Using the supplied adaptor they are placed onto the base of a vacuum manifold. (Fits Sartorius, Millipore, S & S and Gelman.) After filtration, just remove the 100 mL funnel to convert the Monitor into a petri dish.

The major area of application is microbiological analysis of relatively large sample volumes that have a low number of microbes. The quantity can represent either the total bioburden or the detection and quantification of specific microorganisms. The counts are expressed in colony-forming units per 1 mL sample volume (CFU/mL).

- Safe & reliable: Sterile, individually packaged available, validated, certified membrane filters
- Saves time: Ready to connect; easy to use and practical handling features
- Economy: High flow rate, large filtration area, high total throughput
- Saves money: Only needs a minimal amount of equipment



Item No.	Mfr Item No.	Description	Pore Size	Qty	List Price	% Off List	Qty Break	Your Cost
<b>3046-30</b>	16401-47-06-VK	Monitor with 47 mm white membranes and black grid. Packaged 2 layers of 24	0.45 µm	Case/48	111.00	43	1	<b>63.27</b>
						53	2+	<b>52.17</b>
<b>3046-31</b>	16403-47-06-VK	Monitor with 47 mm gray (black when wet) membranes and white grid. Packaged 2 layers of 24	0.45 µm	Case/48	111.00	43	1	<b>63.27</b>
						53	2+	<b>52.17</b>
<b>3046-27</b>	16401-47-06-ACK	Monitor with 47 mm white membranes and black grid. Individually wrapped	0.45 µm	Case/48	231.00	43	1	<b>131.67</b>
						53	2+	<b>108.57</b>
<b>3046-28</b>	16401-47-07-K	Monitor with 47 mm white membranes and black grid. Packaged 4 bags of 12	0.2 µm	Case/48	147.00	43	1	<b>83.79</b>
						53	2+	<b>69.09</b>
<b>3046-29</b>	16403-47-06-K	Monitor with 47 mm gray (black when wet) membranes and white grid. Packaged 2 layers of 24	0.45 µm	Case/48	147.00	43	1	<b>83.79</b>
						53	2+	<b>69.09</b>
<b>3046-32</b>	16403-47-06-ACK	Monitor with 47 mm gray (black when wet) membranes and white grid. Individually wrapped	0.45 µm	Case/48	231.00	43	1	<b>131.67</b>
						53	2+	<b>108.57</b>
<b>3048-20</b>	17846-ACK	Nylon Hydrophilic Syringe filters Individ. wrapped 25 mm dia.	0.45µm	pack/50	133.00	30		<b>93.10</b>
<b>3046-34</b>	16401-47-06-K	Monitor with 47 mm white membranes and black grid. Packaged 4 bags of 12	0.45 µm	Case/48	143.00	43	1	<b>81.51</b>
						53	2+	<b>67.21</b>



## Disposable MicroFunnel™ (Pall/Gelman)



A disposable filter funnel designed to recover microorganisms in potable water, process water, beverages and other aqueous samples. Converts into a petri dish after filtration with easy entry port for adding nutrient media, or the membrane can easily be removed and cultured in another petri dish.

Procedure: Remove the MicroFunnel™ from the sterile package and place it on the manifold/vacuum assembly. Remove lid, pour sample, replace lid and turn on vacuum. Once sample filtration is complete, rinse the inside of the funnel with a sterile buffer solution. Eliminates time-consuming cleaning and autoclaving procedures needed for reusable funnels. Comes completely assembled and sterile. High bacterial recoveries with included GN-6 Metricel® membrane (47 mm, 0.45 µm).

Item No.	Description	Qty	List Price	% Off List	Your Cost
3053-91	MicroFunnel™	pack/50	296.98	10	267.28
3053-92	MicroFunnel™ adaptor	pack/3			65.09

## Filtering Flask, Borosilicate Glass

Heavy wall filtering flask includes a bolt neck with tubulation.

Borosilicate glass flasks are designed to give the best combination of thermal shock resistance and physical strength. Feature heavy-duty rims and printing in durable white enamel.



Item No.	Capacity (ml)	O.D. x Height (mm)	Qty Break	Your Cost
2058-10	500	108 x 190	1 2+	17.73 14.55
2058-11	1000	138 x 245	1 2+	25.94 21.18

## Filtering Flask with Side Arm (Bel-Art)

### Unbreakable polypropylene

These flasks, also called vacuum flasks, have a side-arm with a 45° downward angle to prevent tipping.

- Reduce broken glassware with this flask constructed of FDA grade polypropylene
- Side Arm accepts flexible tubing from 3/8" to 1/2" I.D.
- 1000 ml capacity



Item No.	Mfr Item No.	List Price	% Off List	Your Cost
2058-12	389410000	32.25	10	29.93

## Weber Filter Flask Stopper

Stopper with hole fits 2058-10, -11, -12 Filter Flasks.

Item No.	Description	Size	Your Cost
2058-21	Stopper fits 2058-12		10.00
2058-29	Stopper fits 2058-10		7.25
2058-30	Stopper fits 2058-11		9.00

## Filter Funnel Manifold (Pall/Gelman)

The economical plastic manifold features individual release valves to allow removal of membranes without tearing. The new aluminum manifold provides greater durability.



Item No.	Mfr Item No.	Descrip.	Material	List Price	% Off List	Your Cost
3053-80	4205	3-place	plastic	1190.56	20	952.45
3053-82	15402	3-place	aluminum	1335.25	20	1068.20
3053-84	15403	6-place	aluminum	2405.20	20	1924.16

## 47 mm Magnetic Filter Funnel (Pall/Gelman 4201)

Patented twin magnet design ensures a no-leak seal between the funnel body and stem. Autoclavable polysulfone. 300 mL capacity. All funnels come without lids.



Item No.	Mfr Item No.	Capacity, mL	List Price	% Off List	Your Cost
3053-73	4247	150	291.47	14	250.66
3053-75	4242	300	291.35	20	233.08
3053-77	4238	500	320.84	20	256.67

## Tygon® S3™ E-3603 Laboratory Tubing

### Phthalate-free Formulation

- Outstanding chemical resistance
- Contains no BPA or phthalates
- Hold U.C. S full vacuum at room temperature
- Lot-to-lot consistency for reproducible results
- Non-oxidizing and non-contaminating
- New bio-based formulation delivers the same excellent performance
- Smooth, polished inner wall
- Slips easily over fittings and grips securely for simple lab set-ups



Item No.	Size	Qty	Qty Break	Your Cost
3058-19	5/16" ID x 1/2" OD x 3/32" Wall (for use with 2058-10 & 2058-11)	1 foot	1-49 Multi.of 50	5.00 3.23
3058-21	3/8" ID x 9/16" OD x 3/32" Wall (for use with 2058-12)	1 foot	1-49 Multi.of 50	5.49 3.80

Item 2058-13 (tubing coupler) connects item 2058-12 (polypropylene flask) with 3053-66 (hand vacuum pump)

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- Sterile 47 mm Absorbent Pads
- Sterile Absorbent Pad Kit

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## HOW TO ORDER FROM WEBER SCIENTIFIC



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### Full Line Laboratory Supplier

This catalog features many of our products but we offer everything your laboratory needs, from basic supplies to a fully outfitted lab including furniture. As always you'll find high quality at a great price. We encourage you to visit [weberscientific.com](http://weberscientific.com) or contact us if you don't see what you need!

Sharon Wilson  
V.P. of Marketing and Product Development  
800-328-8378  
swilson@weberscientific.com

### Breakage And Shortage

Immediately upon receipt of your shipment, unpack and inspect for damage. Do not accept a damaged shipment until the carrier makes a Damage notation on your delivery receipt or freight bill. If a shortage or damage exists, you should immediately request the carrier to make an inspection. Retain all containers and packing materials for the inspection. The carrier must be notified of any concealed damage and an inspection request within 15 days of delivery.

### Confirming Orders

Not necessary, but if you send one, please clearly mark Confirmation to avoid duplication. Thanks.



### First Case

Products identified by this icon indicate only the first case — of multiple case orders — will be upgraded to UPS 3 Day Select service (where applicable). The remaining cases will ship by ground and you should receive them within 1 - 3 days of receiving your first case.

### Freight

F.O.B. our warehouse. **See PAGE 3 for information on our 1-2-3 Day Delivery Program.** Place your order by 3:30 PM (Eastern Time Zone) and your order will ship that very same afternoon. If you are in a special rush, let us know — UPS Next Day, Second Day or Federal Express Service can also be arranged immediately.

### Guarantee

Weber Scientific has been serving the dairy industry since 1959. We take pride in our reputation for quality, prompt service and extremely courteous and cooperative customer relationships. We warrant that each item of merchandise sold by us is free from defective workmanship or material. If after inspecting your order, you are not totally satisfied, call our customer service department within 30 days for replacement or return authorization.



### HAZMAT

Products so identified must ship as hazardous materials (HAZMAT). We welcome you to contact our Customer Service department for additional details about HAZMAT shipping requirements and surcharge fees. In general, HAZMAT fees apply whenever shipped by either UPS or FedEx, currently \$30.00 per shipping carton for ground shipment. Air shipments require a \$42.50 fee. To avoid most HAZMAT fees, if your order contains hazardous materials that require four or more shipping cartons, we will route via common carrier, which may not have any, or have greatly reduced, HAZMAT fees. Additionally,

some products identified as HAZMAT may qualify for "Limited Quantity" regulations, eliminating the need for HAZMAT fees. HAZMAT orders are exempted from our 1-2-3 Day Delivery Program.

### Material Safety Data Sheets (MSDS)

are available for chemicals and selected other products. They can be viewed, printed or downloaded online by accessing our website, [www.weberscientific.com](http://www.weberscientific.com), typing in the Weber item number and clicking the documents tab. If you are having an emergency please call **800-255-3924** at any time — 24 hours every day.

### Pricing

All prices are in U.S. dollars and are current at the time of publication. They are subject to change without notice but we will make every effort to honor these prices until the publication of our next catalog if at all possible.

### Return of Goods

Before returning goods for repair or any other reason, customers should communicate with us for return authorization. This permits us to make suggestions concerning shipment.

## Sample

Would you like to evaluate a sample of certain products before you order? No problem ... We carry an inventory of free samples for all products identified by this icon. Simply request by Weber item number and mention sample. Samples of many other products may also be available. Please ask.



## Ships on Ice

Products ship on ice in a foam box. Shipments cannot be over weekends. There is a \$5.00 ice and box fee. The number of fees may vary based upon how much product is ordered and if it must be packed in one or more boxes. Feel free to contact Customer Service for specific details.

## Specifications

The catalog specifications and descriptions are of necessity condensed to conserve space, but they are as accurate a representation of the items as possible. In order to keep abreast of the latest developments in design and construction, we reserve the right to change and alter specifications, to substitute improved forms and add new ones.

## Standing Orders

We recommend that you place a Standing Order for those products that you regularly purchase. There are a number of reasons to consider this pre-scheduled shipping service:

- **Quantity Discounts.** A number of our products have quantity discounts. Some laboratories cannot always purchase the largest quantity at one time, space constraints being a common example. However, when you place a standing order for these specially marked products, in a quantity meeting or exceeding the largest quantity break, you can specify shipping releases of lesser quantities, but you will be eligible for the best possible pricing.

- **Availability.** We strive to always have all items in-stock. But in those rare instances when the demand for a product causes tight supply, all customers with Standing Orders always get priority shipping.

- **Lowers Your Administrative Burden.**

- **Preserves Flexibility.** Your schedule may be modified as necessary.

## Terms

We accept Visa, MasterCard or American Express. Net 30 day terms are also available after establishment of a credit relationship. To apply for credit please call 800-328-8378 to request our credit application.

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Minimum  
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## Warranty

As a distributor for many of the products described in this catalog, Weber Scientific warrants the representations made herein to accurately reflect the manufacturer's representation to Weber Scientific.

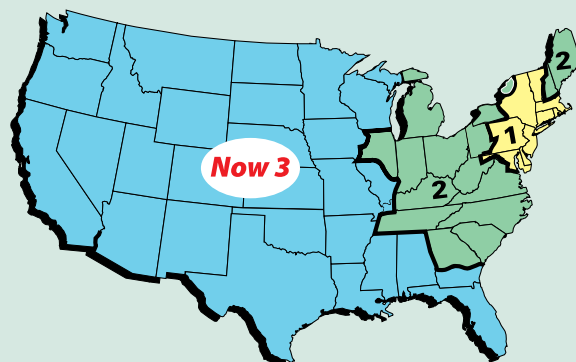
We expressly disclaim all other warranties, whether expressed, implied or statutory, including the warranty of merchantability and fitness for use. Most products carry warranties from the manufacturer and should be returned directly to them for warranty service. We can and will assist in these transactions.



## Weber Exclusive

Products which are available exclusively from Weber Scientific.

## Receive Free Freight Upgrades When You Order From Weber Scientific!



When you order from Weber Scientific we will route it so that all (or part\*) of your order arrives at your facility within 1, 2 but never more than 3 business days. Any upgrade in the level of service over basic UPS or FedEx ground service will be done at **our expense - not yours!**

Combined with our Same Day Shipping Pledge, this expedited routing program will insure prompt delivery of all or part of your order to any location in the continental U.S. — all at no extra cost.

### Here is how the 1-2-3 Day Delivery Program works:

Place your order by 3:30 PM (Eastern Time) and your order will ship that very same afternoon. Based on a nationwide delivery schedule (see map) your order will be routed via basic ground service if delivery is scheduled at 3 business days or less. If the delivery schedule indicates more than 3 business days, we will upgrade one or more cases to 3 Day Service at no extra charge to you. You pay only for basic ground service on any upgrades.

\*Some exceptions apply. See page 3 for complete details.



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