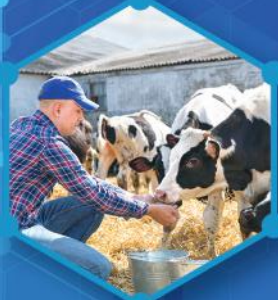


# THE LAB BOOK™

QUALITY SOLUTIONS FOR LABORATORY TESTING

WEBER EXCLUSIVE:  
DILUTION BOTTLES  
(SEE PAGE 48)



DAIRY  
TESTING



QUALITY  
CONTROL

PHARMA  
& BIOTECH



FOOD  
TESTING



WATER &  
WASTEWATER  
TESTING



RESEARCH  
LABS



BEER & WINE  
TESTING

EDUCATIONAL  
LABS



WEBER EXCLUSIVE:  
MEGASAMPLER  
(SEE PAGE 136)

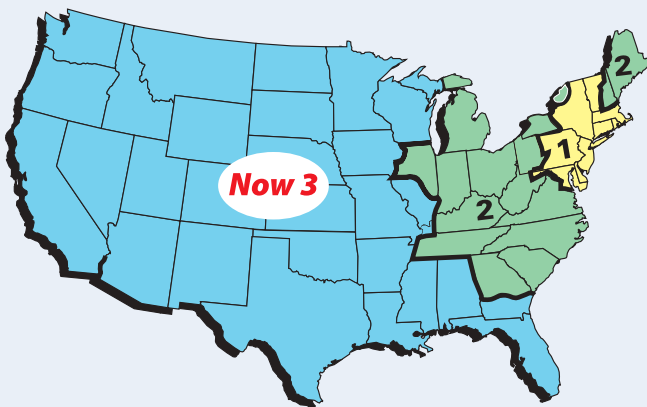
MEDICAL  
LABS



## WEBER SCIENTIFIC

2025 - 2026 CATALOG

*Weber Scientific is a leading supplier of laboratory supplies. We help facilitate quality control by making the acquisition of testing supplies as easy and affordable as possible.*



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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







- A** OnSite® III LFD Device
- B** Single-Use Dropper
- C** Breakaway Swabs
- D** Pre-Measured Extraction Buffer
- E** Sample Tube
- F** Instructions For Use

## OnSite® III Allergen Lateral Flow Tests

### Rapid detection — results in 20 minutes

OnSite® III Allergen Lateral Flow Tests are designed for use in the qualitative determination of a wide variety of residues obtained from sampling foods (solids, powders, and liquids) and surfaces.

Test kits consist of lateral flow devices (LFDs) that can be used to rapidly detect allergens in foods, rinse water and environmental surfaces. The LFDs are configured using antibodies that have been raised against the target allergen. To operate the kit, the sample is collected using the supplied scoop and then extracted for 2 min by shaking at room temperature. The tube is allowed to settle for 5 min by resting it. Thereafter, the sample extract is applied to the LFD using a dropper supplied with the kit. The fluid is wicked across the reagent zone, which includes a procedural control line (C), an overload line (O), and a test line (T). The inclusion of an overload line (O) is critical for testing foods that have high analyte contamination to prevent misinterpretation of false negative test outcomes

### Key Features:

- **Kit Components:** OnSite® III LFD Devices (10), Single-Use Dropper (10), Breakaway Swabs (10), Pre-Measured OnSite® LFD Extraction Buffer (10), and Instructions for use
- **Time to Results:** 20 Minutes
- **Limit of Detection:** See Table Below
- **Cross Reactivity:** See [weberscientific.com](http://weberscientific.com) for a full list of cross reactions per kit
- Environmental surface testing requires separate purchase of the OnSite® Allergen Accessory Kit, item **8166-46**.

Item No.	Allergen Detected	Limit of Detection Food and Rinse Water	Limit of Detection Environmental	Unit of Measure	Your Cost
8049-02	Almond	1.0 ppm	1.0 µg/100 cm <sup>2</sup>	Pack of 10	175.00
8050-12	Casein	1.0 ppm	1.0 µg/100 cm <sup>2</sup>	Pack of 10	175.00
8051-07	Cashew	1.0 ppm	1.0 µg/100 cm <sup>2</sup>	Pack of 10	175.00
8052-04	Coconut	1.0 ppm	1.0 µg/100 cm <sup>2</sup>	Pack of 10	175.00
8053-19	Crustacean	0.5 ppm (equivalent to 10-20 ppm crustacean meat)	0.5 µg tropomyosin /100 cm <sup>2</sup>	Pack of 10	175.00
8054-15	Egg	1.0 ppm	1.0 µg/100 cm <sup>2</sup>	Pack of 10	175.00
8055-06	Hazelnut	1.0 ppm	1.0 µg/100 cm <sup>2</sup>	Pack of 10	175.00
8057-09	Macadamia Nut	1.0 ppm	1.0 µg/100 cm <sup>2</sup>	Pack of 10	175.00
8058-18	Mustard	1.0 ppm	1.0 µg/100 cm <sup>2</sup>	Pack of 10	175.00
8059-01	Peanut	2.0 ppm	2.0 µg/100 cm <sup>2</sup>	Pack of 10	175.00
8060-10	Pine Nut	2.0 ppm	2.0 µg/100 cm <sup>2</sup>	Pack of 10	175.00
8061-03	Pistachio	1.0 ppm	1.0 µg/100 cm <sup>2</sup>	Pack of 10	175.00
8062-16	Sesame	1.0 ppm	1.0 µg/100 cm <sup>2</sup>	Pack of 10	175.00
8063-11	Soy	2.0 ppm	2.0 µg/100 cm <sup>2</sup>	Pack of 10	175.00
8064-24	Total Milk (casein and β-lactoglobulin)	1.0 ppm	1.0 µg/100 cm <sup>2</sup>	Pack of 10	175.00
8065-05	Walnut and Pecan	1.0 ppm	1.0 µg/100 cm <sup>2</sup>	Pack of 10	175.00

### Accessories

Item No.	Description		Your Cost
8166-46	OnSite Allergen Accessory Kit Includes ten (10) breakaway swabs and ten (10) extraction tubes for environmental surface testing.	Pack of 10	25.00





## Any food business with a HACCP Plan should have an Allergen Control Plan

Need help deciding on the best products for your Allergen Control Plan? The right products can be different based on what you're testing, how often you're testing, and your unique workflow. Let the experienced team at Weber Scientific suggest the best items for your facility's Allergen Control Plan when you email us at [info@weberscientific.com](mailto:info@weberscientific.com)

### OnSite® Allergen: Multiplex Tree Nut

Quickly detect traces of almond, cashew, hazelnut, pecan, pistachio, and walnut — with a single test.

The simple solution for anyone working with multiple tree nuts, **OnSite® Allergen Multiplex Tree Nut** is a rapid, qualitative test designed to detect tree nut protein in rinsewater and on surfaces. The test can simultaneously detect almond, cashew, hazelnut, pecan, pistachio, and walnut residues. To a lesser degree, the test can also detect coconut residues. Results obtained using these tests can be used as part of an effective Allergen Control Plan.

Each rapid test kit includes lateral flow devices (LFDs) that detect specific food allergens in rinsewater and on environmental surfaces. This kit relies on the use of polyclonal antibodies (pAbs) directed against the target allergens. It is configured with a test line (T) and a procedural control line (C). The test line (T) will produce a red line at low to medium levels of contamination, whether that contamination is from one or several target proteins. The procedural Control Line (C) should always produce a red line, regardless of the analyte concentration. Failure for this line to appear indicates a failure of the mixture to migrate across the membrane.

To operate the kit, a rinsewater sample or surface swab is first extracted for 2 min with shaking. Then, approximately 100µL of settled sample extract is applied to the sample port, where it will begin to react with gold particles conjugated to the polyclonal antibodies. The mixture will then migrate across the membrane thus enabling visualization of the test line (T) and procedural control (C). The test outcome is interpreted by visualizing the appearance of these lines at 10 or 15 minutes based on desired LOD.

#### Key Features:

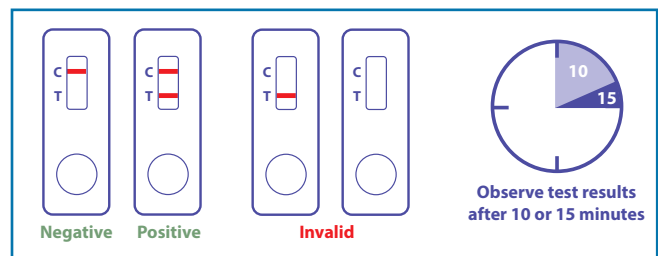
- Test works on surfaces and rinsewater
- Simultaneously detects almond, cashew, hazelnut, pecan, pistachio, walnut
- Detects as little as 1-5mg/kg (ppm) of tree nut protein in rinsewater or 10µg/100cm<sup>2</sup> on surfaces
- Sensitive to coconut protein at levels above 50 mg/kg (ppm)
- Requires no equipment
- Results in less than 20 minutes

Item No.	Description	Unit of Measure	Your Cost
3667-30	Multiplex Tree Nut Lateral Flow Test Kit	Pack of 10	290.00



**Kit Components:** OnSite® LFD Devices, Single-Use Droppers, Breakaway Swabs, Pre-Measured OnSite® LFD Extraction Buffer, Instructions for Use

#### Interpretation of Results:





## The ELISA SYSTEMS Food Allergen Test Kits

### Perfect for high volume allergen testing

High quality kits that can be used for both quantitative and/or qualitative analysis of food and environmental surfaces.

Food manufacturers protect those with food allergies by clearly labelling their products with a list of ingredients. Testing for the presence of components ensures food manufacturers that an unlabelled and potentially dangerous ingredient did not make its way unintentionally into a product during manufacture.

ELISA SYSTEMS is a world leader in the development of Food Allergen Test Kits, and their ELISA kits are manufactured in a facility that maintains a quality management system certified to ISO9001.

All ELISA SYSTEMS reagents are supplied in liquid format, which is easy to use and reduces cross-contamination risk.

#### Key benefits

- Fast
- Simplified ELISA testing
- Samples are tested against known controls
- Heat stable protein allergens are detected

Target protein, range of kits in ppm, incubation time vary by kit.

Find this and more information at [weberscientific.com/elisa-systems](http://weberscientific.com/elisa-systems)



Item No.	Mfr. Item No.	Residue Detection Kit	Qty	Your Cost
3766-01	ESARD-48	Almond	48 tests	<b>391.67</b>
3766-05	ESBWPRD-48	Buckwheat	48 tests	<b>391.67</b>
3766-09	ESCRURD-48	Crustacean	48 tests	<b>391.67</b>
3766-37	ESEGGPR-48	Processed Egg	48 tests	<b>416.67</b>
3766-39	ESGLT3-48	Generation 3 Gluten	48 tests	<b>391.67</b>
3766-15	ESHRD-48	Hazelnut	48 tests	<b>391.67</b>
3766-17	ESLFP-48	Lupin	48 tests	<b>391.67</b>
3766-21	ESMUS-48	Mustard	48 tests	<b>391.67</b>
3766-42	ESOAT-48	Oat Protein	48 tests	<b>391.67</b>
3766-27	ESPRDS-48	Sensitive Peanut	48 tests	<b>391.67</b>
3766-23	ESSESE-48	Sesame	48 tests	<b>391.67</b>
3766-35	ESSMLK-48	Soy Drink Protein	48 tests	<b>391.67</b>
3766-25	ESSOYPRD-48	Soy	48 tests	<b>391.67</b>
3766-03	EB52110	Beta Lactoglobulin	48 tests	<b>391.67</b>
3766-07	EC52310	Casein	48 tests	<b>391.67</b>
3766-19	EM52210	Total Milk (Casein & Beta Lactoglobulin)	48 tests	<b>391.67</b>

#### Accessories

3766-44	ESSWB-10	Food Allergen Swab Kit		<b>79.17</b>
3766-29	ES53510	Extraction Solution for Samples Containing Polyphenols (fruit juices, dark chocolate, wine, herbs and tannins)		<b>21.43</b>



## AllerSnap Allergen Prevention Surface Test (Hygiena)

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

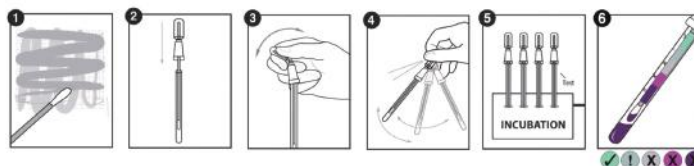
AllerSnap detects protein residues left on a surface after cleaning. Simply swab a surface, release the reagent and if protein residue is present the reagent will turn purple. The color change provides a semi-quantitative measure of the surface cleanliness. The more contamination present, the quicker 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.**



### AllerSnap 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 3µg 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)



Item No.	Description	Qty	Your Cost
3660-75	AllerSnap	case/100	279.02



## Histamine Test Kit (Kikkoman)

Histamine Test system is a rapid colorimetric enzyme assay system for the quantitative analysis of histamine in raw fish, frozen fish or canned tuna.

**AOAC - PTM Certified**

**Easy to Extract:** No need to clean up, HPLC method requires pre-cleaning to remove interfering substances.

**Easy to Use:** No complicated procedure like HPLC or EIA methods.

**Easy to Use instrument:** Light weight diode absorptiometer.

**Detection Limit:** 0.4ppm with the Absorptiometer B

**Test time:** 15 minutes

Item No.	Description	Qty	Qty Break	Your Cost
5300-65	Histamine Test Kit	60 Tests	1-14	424.65
			15+	399.17

## AllerFlow Gluten Surface Residue Test (Hygiena)

AllerFlow Gluten is a rapid and convenient test for detection of gluten residue on surfaces as part of an allergen control program. Combining Hygiena's convenient sample collection swab design with classic lateral flow technology, AllerFlow Gluten makes gluten testing easier than ever before. Unlike other kits that contain several components, AllerFlow Gluten only consists of two parts – a sample collection device and a lateral flow cassette. The convenient sample collection swab device contains pre-wetted extraction buffer for consistent results with minimal handling. After collection, the sample is poured directly into the lateral flow cassette fill well and results appear within 10 minutes.

- Sensitive to 5 µg/swab (5 ppm) gluten within 10 minutes
- Specific to the toxic fraction of gluten from wheat, barley, rye, and oat
- No cross-reactivity with soy, rice, or corn
- Up to 15 month shelf life at room or refrigerated temperatures (2 – 25 °C)



Item No.	Description	Qty	Your Cost
3660-77	AllerFlow Gluten	case/100	420.00





## Sterilmatic® Autoclave (Market Forge)

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 2 1/2" tall trays or one 6" tall tray (trays available separately). For 208-240V, specify 1 or 3 phase. One year warranty for parts and 90 days for labor. All models ship by common carrier.

Item **3058-41** has all the specifications of 3058-40, with additional adjustable temperature control functionality between 230°-250°F (110°-121°C).

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



**3058-43** Stainless Steel Stand with Shelf

Item No.	Description	Your Cost
<b>3058-40</b>	Sterilmatic® STM-E Autoclave	<b>Call for Quote</b>
<b>3058-41</b>	Sterilmatic® STM-E Autoclave Adjustable Temp.	
<b>3058-50</b>	Sterilmatic® STM-E Autoclave Programmable	
<b>Accessories</b>		
<b>3058-43</b>	Stainless Steel Stand, with Shelf	<b>2,278.00</b>
<b>3058-45</b>	Stainless Steel Tray, Size 12x20x2.5 in.	<b>386.78</b>
<b>3058-46</b>	Stainless Steel Tray, Size 12x20x6 in.	<b>665.04</b>
<b>3058-49</b>	Replacement Door Gasket	<b>113.69</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. 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	Your Cost
<b>3057-12</b>	13"	pair	<b>39.86</b>
<b>3057-14</b>	18.5"	pair	<b>67.36</b>



## BioClave™ Benchtop Autoclaves

- Width of under 18 in. (under 14 in. for the BioClave Mini) - all three 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 28** is the 28 liter model and offers three cycle options (standard programs), which are preset for the sterilization of liquids, wrapped instruments or unwrapped instruments/plastic ware. A "Dry Only" option 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 are fully adjustable.

**BioClave 18** 18 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 18 are fully adjustable.

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

Model	BioClave 28	BioClave 18	BioClave Mini
Chamber Volume	28 L	18 L	8 L
Chamber Dimensions	12.6 x 16.4 in./ 32 x 41.7 cm	9.8 x 13.77 in. / 24.8 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	25 x 25 x 22 in./ 63.5 x 63.5 x 55.9 cm	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	209 lbs / 95 kg	89 lbs / 40 kg	74 lbs / 33 kg

Item No.	Description	Your Cost
<b>BNMB4000-28-120</b>	BioClave 28 120V	<b>11,008.17</b>
<b>3058-29</b>	BioClave 28 220V	<b>11,008.17</b>
<b>3058-30</b>	BioClave 18 115V	<b>6,067.19</b>
<b>BNMB4000-18-E</b>	BioClave 18 230V	<b>6,572.83</b>
<b>3058-32</b>	BioClave Mini 115V	<b>4,406.94</b>
<b>BNMB4000-M-E</b>	BioClave Mini 230V	<b>4,774.18</b>
<b>3058-34</b>	BioClave Printer	<b>369.72</b>
<b>3058-36</b>	Replacement Printer Paper	<b>49.91</b>

### Tuttnauer™ Laboratory Line Autoclaves (Heidolph)

Tuttnauer laboratory autoclaves have been designed to provide high quality repeatable performance and accountability for a wide range of applications used in modern laboratories, which include:

- Liquid sterilization (using two flexible PT100 probes) with various cooling options
- Pipette and Glass sterilization
- Instrument sterilization (wrapped or unwrapped)
- Biohazard and Waste sterilization
- Agar preparation
- Specialized customized cycles
- Comes standard with a printer

The laboratory autoclave line is designed for laboratory applications used in research institutes, universities, medical, pharmaceutical, biotechnology, food and chemical industries. Each model has a number of optional added-value features which can be configured for efficient drying ("PV"), efficient heating ("G"), biohazard and waste sterilization ("BH"), FO control, and more. Benchtop lab autoclaves are designed to save space on your laboratory workbench.



#### Advanced Control System for Your Laboratory

- FO software control- Protect your liquid media, save time, save energy
- Stores the last 200 cycles in built-in memory
- The controller and software comply with the 21 CFR part 11 standard with optional R.P.C.R. software
- Sterilization Temperature range 105°C to 137°C
- Optional Disinfection/Isothermal Temperature Range 60°C to 105°C
- Optional Independent Recording for cross-checking cycle measurements

Item No.	Mfr. Model No.	Description	Capacity	Chamber (Dia.xDepth)	External Dimensions WxHxD (mm)	Voltage	Your Cost
3058-94	2840 ELP	Laboratory Line Autoclave	28 liter	11"x15.7"	530 x 440 x 630	240 1-phase	12,609.24
3058-95	3850 ELP	Laboratory Line Autoclave	65 liter	15"x20"	720 x 540 x 765	240 1-phase	20,490.16
3058-96	3870 ELP	Laboratory Line Autoclave	85 liter	15"x27"	720 x 540 x 940	240 3-phase	22,259.50
3058-97	5075 ELP	Laboratory Line Autoclave	110 liter	19.6"x29.5"	860 x 740 x 890	240 3-phase	35,876.34

### 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.

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	Your Cost
3058-20	50X	25qt./24 liter	Hi-power, 60-minute bell timer	120 V 50/60 Hz, 1650W	954.64
3058-22	75X	41 qt./39 liter	Hi-power; 64% greater capacity	120 V 50/60 Hz, 1650W	1,265.00
3058-23	2180		Optional support base for 3058-20		75.43
3058-25	4180		Optional support base for 3058-22		86.91

800-328-8378

#### ACCESSORIES: FOR AUTOCLAVES



Autoclave Thermometers see page 205.  
Media Bottles and Flasks see pages 79-81.

APPARATUS

## 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
3057-09	24" x 36" / 610 x 910	22 gal/83.28 L	pack/100	1-4 5+	<b>138.45</b> <b>97.75</b>

### Printed

Item No.	Size inch/mm	Capacity	Qty	Qty Break	Your Cost
3057-18	12" x 24" / 300 x 610	3.5 gal/13.25 L	pack/100	1-4 5+	<b>54.68</b> <b>50.68</b>
3057-20	24" x 30" / 610 x 760	17 gal/64.35 L	pack/100	1-4 5+	<b>140.46</b> <b>127.35</b>
3057-22	24" x 36" / 610 x 910	22 gal/83.28 L	pack/100	1-4 5+	<b>148.03</b> <b>137.19</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	Your Cost
3057-28	7.3	20.5	12" x 24"	<b>95.52</b>
3057-30	14.6	23.5	24" x 30"	<b>98.78</b>
3057-32	14.6	29.5	24" x 36"	<b>103.33</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	Your Cost
3056-10	13166-0000	bags	pack/100	<b>21.94</b>
3056-11	13193-1000	holder	each	<b>31.70</b>

## Bag Holder

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

Item No.	Tray Size	Height	Fits Bag	Your Cost
3057-23	180.5 x 350.6 mm (7.3 x 14")	470 mm (18.5")	300 x 610 mm (12 x 24")	<b>52.68</b>
3057-25	350.6 x 350.6 mm (14 x 14")	540.6 mm (21.5")	610 x 760 mm (24 x 30")	<b>71.65</b>
3057-29	Cover fits 3057-25			<b>35.16</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	Qty Break	Your Cost
3057-34	8" x 12" / 200 x 300 mm	pack/100	1-4 5+	<b>39.37</b> <b>26.49</b>
3057-39	10" x 15" / 250 x 380 mm	pack/100	1-4 5+	<b>39.88</b> <b>26.83</b>
3057-42	12" x 24" / 300 x 610 mm	pack/100	1-4 5+	<b>51.49</b> <b>36.06</b>
3057-49	24" x 30" / 610 x 760 mm	pack/100	1-4 5+	<b>118.11</b> <b>78.13</b>

### ACCESSORIES:



General purpose plastic bags  
see page 142.



### Autoclave Deodorizing Capsules

Make your autoclave smell naturally fresh and clean. These heat-activated deodorant capsules chemically absorb offensive odors, rather than mask them. They are easy to use: place one capsule into an autoclave or incubator with each load. The heat and moisture dissolves the capsule, which releases the clean, fresh scent of lemon or apple. Each capsule can deodorize 7 cu. ft. to 10 cu. ft. per autoclave load. 100 capsules per bottle.

Item No.	Description	Qty	Your Cost
IBSD6005	Apple Scent	Each (Bottle of 100 capsules)	93.75
PLDPL-605	Lemon Scent	Each (Bottle of 100 capsules)	93.75



### 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. 1¼" square.



Item No.	Description	Qty	Qty Break	Your Cost
3057-43	Cherry	pack/100	1-2	119.63
			3+	113.21
3057-44	Lemon	pack/100	1-2	121.85
			3+	115.34
3057-45	Clove	pack/100	1-2	119.63
			3+	113.21

### Autoclave Chamber Brite® Cleaner (Heidolph)

The easiest way to keep your autoclaves clean and free of hard water deposits. Designed specifically for steam sterilizers, Chamber Brite effectively cleans and descales the reservoir, chamber and tubing in minutes.



Available 10 per box.

Item No.	Qty	Your Cost
3057-41	10 per box	141.71

### 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



### 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 203mm	pack/500	130.10
4413-10	024010	5 x 10" 127 x 254mm	pack/500	179.15
4413-15	024012	7 x 12" 178 x 305mm	pack/500	255.00
4413-20	024014	8 x 16" 203 x 406mm	pack/250	245.96
4413-25	024018	12 x 18" 305 x 457mm	pack/250	356.81

Item No.	Mfr Item No.	Size	Qty Break	Your Cost
4413-27	222102	5¼ x 10" 133 x 254mm	1-9	24.29
			multiples of 10	20.96
4413-28	222103	7½ x 13" 191 x 330mm	1-9	38.66
			multiples of 10	33.34
4413-29	222816	8 x 16" 203 x 406mm	1-9	60.25
			multiples of 10	51.98
4413-30	222218	12 x 18" 305 x 457mm	1-9	76.59
			multiples of 10	66.05

## 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<sup>5</sup> and *Geobacillus subtilis* in a population of 10<sup>6</sup>.

**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 of 100	247.01

## 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	262.44

## 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.	Tube Size	Qty	Qty Break	Your Cost
3057-51	16mm x 100mm	pack of 100	1-2	271.78
			3+	241.88

## 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	42.92

## 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
3057-74	3/4"	each	1-9	8.14
			10+	5.96
3057-76	1"	each	1-9	12.00
			10+	8.88

## 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	64.31

## ProChem SSW Steam Sterilization Integrators (Mesa Laboratories)

ProChem SSW Steam Sterilization Integrator is a single use Class 5 Integrating Indicator which complies with ANSI/AAMI/ISO 11140-1:2005. It integrates three essential criteria for proper steam sterilization: time, temperature, and steam. When processed along with a load it indicates, with a margin of safety, whether the proper steam sterilization criteria have been achieved.



Item No.	Mfr. Item No	Qty	Your Cost
3057-68	CI-SSW	Pack/250	85.69

### 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	150.05

### 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 <sup>4</sup>	pack/15	1-4	73.10
			5+	66.39
4300-02	10 <sup>4</sup>	pack/50	1	183.23

### 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	239.91

### EZ Test Biological Indicators (Mesa Labs)

#### Dramatic Color Change for easy identification!

EZTest is a self-contained biological indicator for monitoring steam / flash steam, sterilization. EZTest contains bacterial spores on a filter-paper carrier packaged within a small, thermoplastic culture tube. Inside the thermoplastic culture tube is a sealed-glass ampoule of specially-formulated soybean casein digest culture medium containing a color indicator which turns a dramatic yellow when spores grow. EZTest is easy-to-use and produces visual results within 24 hours without laboratory transfers.



- FDA 510(k) Cleared
- 24 hour results
- Easy to Culture
- No Laboratory Required
- Dramatic Color Change

Item No.	Mfg. Item No.	Qty	Your Cost
3057-83	EZS/6	Pack/100	663.99
3057-84	EZS/525	Pack/25	167.39



**NEW!**



## Mini BlockHeater (LabGenius)

**Heats at record speeds — Room temp to 115°C in 2 minutes!**

A cost-effective solution for adjustable temperature heating block. The Mini BlockHeater accommodates up to six 0.2mL, 0.5mL, or 1.5mL conical test tubes with interchangeable plate holders (blocks sold separately). The temperature can be adjusted between 20°C and 115°C through the control knob located at the front of the display. Quick and easy block change – simply lift the current plate out and insert the new one!



Package includes: 1 LabGenius Mini BlockHeater, 1 USB-C Charging Cable, and 1 Drawstring Carrying Bag. Blocks sold separately.

Item No.	Description	Your Cost
IEHLGBH-001A	Blue LabGenius Mini BlockHeater	124.47
IEHLGBH-001B	Red LabGenius Mini BlockHeater	124.47
IEHLGBH-001C	Orange LabGenius Mini BlockHeater	124.47
<b>Heating Blocks</b>		
IEHLGBH-002A	0.2 mL Tube Block	21.97
IEHLGBH-002B	0.5 mL Tube Block	21.97
IEHLGBH-002C	1.5 mL Tube Block	21.97

## 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.



Item No.	Mfr Item No.	Description	Your Cost
4161-80	INCUBATOR+IB003	Small Format with 12-well block	467.25
4161-08	INCUBATOR	Small Format for Micro & AllerSnap (block not included)	352.69
4161-85	INCUBATOR2+IB001	Lab Format with two 35-well blocks	723.78
4161-05	INCUBATOR2	Lab Format (blocks not included)	457.52
4161-06	IB001	Swab Tube Block for Model No: INCUBATOR2 - 35 wells	136.08
4161-07	IB002	Vial Tube Block for Model No: INCUBATOR2 - 15 wells	144.35
4161-83	IB003	Swab Tube Block for Model No: INCUBATOR - 12 wells	143.69



## INCUSHAKER Mini Shaking Incubator (Benchmark Scientific)

The most compact shaking incubator in its class. Despite the remarkably small footprint, a large 11.5 x 9.5 in. workspace accepts several platforms and a variety of flasks, tubes and other common vessels.

The standard platform (included) features a non-slip, rubber coated surface, ideal for tissue culture flasks, Petri dishes and staining trays. Horizontally circular 19mm orbit for aeration & mixing.

The patented convenient MAGIC Clamp™ platform is also available for use with Erlenmeyer flasks and test tube racks. The unique, magnetic attachment method is the easiest way to instantly change between flask clamps of different sizes.



**NEW!**

**Optional Accessory:**  
MAGic Clamp™ Magnetic Platform

Item No.	Temperature Range	Shaking Speed	Your Cost
BNMH1001-M	Ambient +5° to 70°C (1°C increments)	30 to 300RPM (1RPM increments)	3,380.33
<b>Accessories</b>			
BNMH1000-MR	9.5" x 11.5" MAGic Clamp Magnetic Platform		281.84
BNMH1000-MR-50	50mL Flask Clamp		35.83
BNMH1000-MR-250	250mL Flask Clamp		43.04
BNMH1000-MR-T15	Tube Rack, 32 x 15mL Tubes		172.34
BNMH1000-MR-T50	Tube Rack, 15 x 50mL Tubes		172.34

Find more MAGic Clamp accessories at [www.weberscientific.com](http://www.weberscientific.com)

## Digital Dry Bath Incubator (Benchmark Scientific)

**Digital for the price of analog!**

- 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	Your Cost
3178-15	Digital Dry Bath Incubator, Single Position (block not included)	531.29
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)	141.86
3178-20	Aluminum Block 3" x 3.75" x 2"; holds 24 x 1.5 mL tubes	141.86

## 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 a 1.0° or 0.1° display. A continuous self-diagnostic function prompts if a malfunction occurs.

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



3055-60



3055-80

### DIGITAL MODELS

Item No.	Capacity cu. ft. / L	Interior size W x H x D inches / cm	Exterior size W x H x D inches / cm	Temp. range	Controller accuracy	Shelf positions	Qty Break	Your Cost
3055-60	0.7 / 19.8	12x10x10	13x15x10.75	5° above ambient to 60°C	±0.5°C	8	1	777.92
		30.5x25.4x25.4	33.0x28x27.3					741.74
3055-70	2.0 / 56.6	18x16x12	19x21x13	5° above ambient to 60°C	±0.5°C	14	1	1,032.42
		45.7x40.6x30.5	48.3x53.3x33					991.05

### ANALOG MODELS

Item No.	Capacity cu. ft. / L	Interior size W x H x D inches / cm	Exterior size W x H x D inches / cm	Temp. range	Controller accuracy	Shelf positions	Qty Break	Your Cost
3055-80	0.7 / 19.8	12x10x10	13x15x10.75	5° above ambient to 60°C	±0.1°C	8	1	591.35
		30.5x25.4x25.4	33.0x28x27.3					563.85
3055-90	2.0 / 56.6	18x16x12	19x21x13	5° above ambient to 60°C	±0.1°C	14	1	819.59
		45.7x40.6x30.5	48.3x53.3x33					781.48

## Heratherm Microbiological Incubators (Thermo Scientific)

### Ensure sample integrity in every possible way

Microprocessor control provides easy, intuitive adjustments in temperature with superior temperature uniformity. The easy-to-clean interior with rounded corners is low-maintenance; each model includes two shelves with a "One Click" attachment system for easy removal/replacement.

General Protocol incubators operate by gravity convection, for gentle airflow, with minimized drying out of samples. They're the best choice for applications with open plates or containers.

Models are available with a stainless-steel exterior, offering an easy to clean, robust and corrosion-resistant surface that meets demanding needs in pharmaceutical and clinical laboratories.



Item No.	Convection Technology	Capacity cu. ft. / L	Interior size W x H x D	Exterior size W x H x D	Temp. range	Shelf positions	Your Cost
3055-20	Gravity Convection	2.6 ft <sup>3</sup> / 75 L	13.9" x 20.0" x 16.3"	20.9" x 28.3" x 22.2"	Ambient +5 to 75 °C	13	2,864.52
REV51028064	Gravity Convection	4 ft <sup>3</sup> / 117 L	18.3" x 23.9" x 16.3"	25.2" x 28.3" x 22.2"	Ambient +5 to 75 °C	16	3,512.71
REV51028065	Gravity Convection	6.9 ft <sup>3</sup> / 194 L	18.3" x 27.9" x 23.2"	25.2" x 36.2" x 29.1"	Ambient +5 to 75 °C	19	4,163.57
REV51029321	Gravity Convection	14.3 ft <sup>3</sup> / 405 L	21.4" x 51.5" x 22.4"	30.6" x 60.8" x 30.3"	Ambient +5 to 75 °C	39	7,572.85

Advanced Protocol and lockable Advanced Security models available at [www.weberscientific.com](http://www.weberscientific.com)

800-328-8378

### ACCESSORIES: FOR INCUBATORS



Incubator Thermometers see page 199.

APPARATUS

13

## 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	Your Cost
<b>3055-00</b>	H2200-H	MyTemp Mini, Heat Only	<b>626.33</b>
<b>3055-01</b>	H2200-HC	MyTemp Mini, Heat and Cool	<b>859.46</b>
<b>3055-16</b>	H2265-HC	MyTemp 65, Heat and Cool	<b>3,564.64</b>

	MyTemp Mini	MyTemp 65
Temp. Range	Ambient +1°C to 60°C ( <b>3055-00</b> ) Ambient -15°C to 60°C* ( <b>3055-01</b> )	0°C to 60°C (RT-25°C to 60°C) ( <b>3055-16</b> )
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.**

## Mini-Vortex Mixer (LabGenius)

### Top rated - Over 700 Five Star Reviews

A tiny titan specifically designed for shaking test tubes. Simply push the tube into the soft attachment to start shaking. Shaking stops as soon as you lift out the test tube. Full containers of 50mL can be activated for mixing within 5 seconds!

Remarkably small footprint – just 4 inch diameter – and compact structure are perfect for the limited spaces of bench tops and fume hoods. It also has patented foot pads that keep the petite unit firmly in place while mixing.

This mini vortexer is maintenance-free and comes with a two year guarantee period. Its power supply meets CE, cULus, CCC, SAA, FCC and GS standards.



Speed	3000 rpm
Orbit	5.5 mm
Power	100-240 V; 50/60Hz
Dimensions	100mm diameter x 78mm height
Weight	1.2 lbs / 0.55 kg
Electrical	100-240 V; 50/60Hz
Warranty	2 years

Item No.	Description	Your Cost
<b>1115711</b>	Mini-Vortex Mixer	<b>75.56</b>

## Vortex-Genie 2 Laboratory Mixers Rugged & Reliable

Versatile vortex mixer with variable-speed control that allows slow-speed shaking up to high-speed vortexing. True vortex action prevents spilling even when tubes are uncapped. Three-position power switch lets you select “Touch On” control or continuous hands-free operation to greatly increase your lab efficiency.

Tough metal housing combined with a cast-metal base and rubber feet provide a stable platform for all types of mixing. Will not walk! Includes a 3" platform head and pop-off cup head. UL- and CSA-listed, CE-marked.

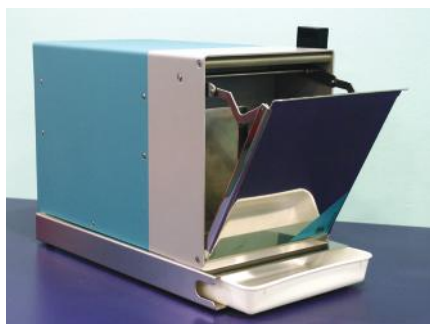


Speed Range	600–3200 RPM
Operating Modes	Touch or continuous
Dimensions & weight	6.5" x 4.8" x 6.5", 8.8lbs
Power	120V; 60Hz
Warranty	2 years

Item No.	Description	Your Cost
<b>SING560</b>	Vortex-Genie 2 Mixer	<b>441.20</b>
<b>SINSI-T236</b>	Vortex-Genie 2 T Mixer with Timer	<b>537.33</b>

Additional attachments available for a variety of tubes, vials, plates and flasks. See more at [weberscientific.com](http://weberscientific.com).





## 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	3,671.77
		2+	3,481.01
3068-69	optional stand and tray		451.00



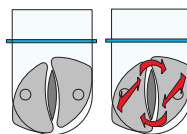
Find more blenders & homogenizers at [weberscientific.com](http://weberscientific.com)



## 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 / 34x29x32
Weight	51 lbs. / 23 kg

Item No.	Qty Break	Your Cost
3068-48	1	5,895.09
	2+	5,600.72



3061-00      3061-01

## Laboratory Blenders (Waring)

Offers the quality and consistency needed for blending, mixing, or homogenizing a variety of samples.

**Single speed** models feature an on/off switch and a maximum speed of 22,000 rpms.

**Two-speed** models are available with or without a 60-second timer and reach speeds of either 18,000 or 22,000 rpms.

**Variable-speed** models have an adjustable dial and speed range of 1,000 and 20,000 rpms.

All models include a 34 oz (1L) container with handle in either heat-resistant glass or stainless steel, and a two-piece vinyl/styrene lid.

Power is 120V.

Item No.	Model	Container	Your Cost
3061-00	Single Speed	Glass	595.05
3061-01	Single Single	Stainless Steel	705.68
WAR7011G	Two-speed	Glass	508.91
WAR7010S	Two-speed	Stainless Steel	660.97
WAR7010G	Two-speed with timer	Glass	592.55
WAR7011S	Two-speed with timer	Stainless Steel	572.55
WARLB10G	Variable Speed	Glass	960.10
WARLB10S	Variable Speed	Stainless Steel	1,020.13
Replacement Containers			
3061-03	Glass		127.46
3061-05	Stainless Steel		554.20



**Super Compact**  
Under 5x5" footprint



### MiniMag™ Magnetic Stirrer (Benchmark Scientific)

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 1.5L. 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. 1 year warranty.

Item No.	Mfr. Item No.	Description	Your Cost
<b>3067-86</b>	S1005	3.4" x 3.4" Magnetic Stirrer	<b>156.25</b>



**3067-67**

### Digital Hotplates, Stirrers & Hotplate Stirrers (Benchmark Scientific)

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

Features an exceptionally durable, chemical resistant, white ceramic work surface. The space-efficient design (7.5 X 11.5 in. footprint) makes them ideal for use on crowded benchtops, biological safety cabinets and in bio-hoods. Advanced microprocessor controls allow quick, precise adjustment of speed and temperature. The 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 +/-1°C. 2 year manufacturers warranty.

Item No.	3067-64	3067-67	3067-60
Description	Hotplate Stirrer	Hotplate	Stirrer
Temp Range	Ambient +5 - 400°C	Ambient +5 - 400°C	N/A
Stirring Speed	150 – 1500 RPM	N/A	150 – 1500 RPM
Size DxHxW	7.5" x 11.5" x 4" (18 x 27.9 x 10.1 cm)		
Electrical Data	115V, 60Hz 500W		



**3067-60**

Item No.	Mfr. Item No.	Description	Your Cost
<b>3067-64</b>	H3770-HS	7" x 7" Hotplate Stirrer	<b>505.89</b>
<b>3067-67</b>	H3770-H	7" x 7" Hotplate	<b>433.70</b>
<b>3067-60</b>	H3770-S	7" x 7" Stirrer	<b>334.17</b>
<b>3067-61</b>	H3770-TP	Optional Temperature Probe	<b>133.94</b>
<b>3067-62</b>	H3770-ROD	Optional support rod	<b>54.15</b>
<b>3067-63</b>	H3770-CS	Clamp assembly with support rod and clamps for securing probes	<b>92.88</b>



**3067-64**

### Large Capacity 10x10" Digital Hotplates, Stirrers & Hotplate Stirrers (Benchmark Scientific)

*Extra large 10x10" working surface stirs up to 15L of liquid*

Like the popular 7 x 7-inch series, this hotplate stirrer features a durable, chemical resistant white ceramic top plate and advanced microprocessor controls. The constant monitoring system provides precise control of temperature with rapid heating and faster boiling times. In addition, the powerful motor drive system ensures efficient mixing in larger and more viscous samples.

Temperature and mixing speed can be viewed on the large digital display and a safety LED illuminates when the top plate temperature exceeds 50°C. All models are compatible with vessels up to 20 liters (15 L maximum stirring volume). 2 year manufacturers warranty.

Item No.	BNMH3710-HS	BNMH3710-H	BNMH3710-S
Description	Hotplate Stirrer	Hotplate	Stirrer
Temp Range	Ambient +5 - 400°C	Ambient +5 - 400°C	N/A
Stirring Speed	150 – 1500 RPM	N/A	150 – 1500 RPM
Surface Area	10" x 10" (25.4 x 25.4 cm)		
Size DxHxW	11.6" x 16.7" x 4.5" (29.5 x 42.4 x 11.4 cm)		
Electrical Data	115V, 60Hz 500W		

Item No.	Mfr. Item No.	Description	Your Cost
<b>BNMH3710-HS</b>	H3710-HS	10" x 10" Hotplate Stirrer	<b>737.04</b>
<b>BNMH3710-H</b>	H3710-H	10" x 10" Hotplate	<b>529.39</b>
<b>BNMH3710-S</b>	H3710-S	10" x 10" Stirrer	<b>529.39</b>

Temperature Probe (**3067-61**)  
and support rod with clamp  
(**3067-63**) sold separately



**Large 10x10" plate for more stirring capacity**  
2L flask pictured

### Cimarec® Digital Stirrer, Hotplate, Hotplate 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
Description	Hotplate Stirrer	Hotplate	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.	Mfr. Item No.	Description	Your Cost
3067-20	SP88857100	7.25" x 7.25" Hotplate Stirrer	625.37
3067-30	HP88857100	7.25" x 7.25" Hotplate	358.44
3068-05	S88857100	7.25" x 7.25" Stirrer	418.57



3067-20



3067-30



3068-05

### Octagonal Stirring Bar

Octagon shape, Teflon®-coated, with integral pivot ring. Steam Autoclavable at 121°C



Item No.	Size	Your Cost
3068-15	1" x 5/16"	6.10
3068-20	1 1/2" x 5/16"	5.72
3068-25	2" x 5/16"	7.02

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

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



Item No.	Size	Your Cost
3310-05	12" (305mm)	15.28
3310-10	18" (457mm)	17.67

### 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.	Your Cost
3310-20	28.86

### 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	13.04

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

Reduce spinout in viscous solutions

- 3X stronger stirring power
- Samarium Cobalt magnet
- Green Teflon® PTFE coated
- Steam Autoclavable at 121°C



Item No.	Mfr Item No.	Size inches/ mm	Your Cost
3068-07	37102-1238	1/2 x 3/8 / 13 x 9.5	8.35
3068-08	37102-138	1 x 3/8 / 25.4 x 9.5	15.58
3068-09	37102-0238	2 x 3/8 / 51 x 9.5	26.36
3068-10	37102-0003	3 x 1/2 / 76 x 130	30.41

### 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.	Your Cost
3068-11	51.13

### 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.	Your Cost
3068-13	105.63





4013-51

## 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 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

Item No.	Mfr. Item No.	Description	Dimensions (W x D x H) (inches)	Your Cost
4013-50	FLOW321	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>4,455.36</b>
4013-51	FLOW391	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>5,407.02</b>
4013-52	FLOW483	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>8,652.66</b>
4013-53	FLOW714	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>10,700.48</b>
4013-17	GF4.HP	HEPA Filter (Required)		<b>618.46</b>

See [weberscientific.com](http://weberscientific.com) for accessories, including Stainless Steel Work Surfaces, Mobicaps, and Benchcaps



## Build Your Dream Chair at [weberscientific.com/chair](http://weberscientific.com/chair)

How Tall is Your Work Surface?

Fabric, Vinyl or Polyurethane?

Adjustable Arms?



Foot Rest?



Stool or Chair?

Glides or Casters?



Choose from Over 18 Colors

Seat Tilt?



### Angle-Leg Carts

Durable chassis frame with protective pumpers on legs and handles Available in 300lb or 500 lb capacity. One-in lip on three sides of top and middle shelves. All rubber swivel casters.

Item No.	Max Capacity & LxWxH	Your Cost
LKM311	300lbs 24 x 15.5 x 32"	<b>297.18</b>
LKM322	300lbs 27 x 18 x 33"	<b>398.57</b>
LKM422	500lbs 27 x 18 x 33.5"	<b>452.57</b>
LKM444	500lbs 35 x 21 x 37.5"	<b>774.89</b>

Find Water Activity Meters at [weberscientific.com](http://weberscientific.com)



## MyFuge™ Mini Centrifuge (Benchmark Scientific)

- Klik-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



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: (w x d x h)	5.7 x 6.9 x 4.5 in. 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	Your Cost
<b>3111-00</b>	C1008-C	MyFuge™ Mini Centrifuge	<b>433.95</b>

## 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



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: (w x d x h)	11.6 x 14.4 x 8.3 in. 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	Your Cost
<b>3111-05</b>	C3200	LC-8 Plus Laboratory Centrifuge	<b>833.82</b>
<b>3111-08</b>	C3100-ADP	Optional adapters for 2, 5, and 7 mL centrifuge tubes 8/pk	<b>164.53</b>

## Frontier 5000 Multi-Centrifuges (OHAUS)

Designed for ease of operation, the OHAUS Frontier Multi Centrifuges feature convenient control on an intuitive interface, which allows for responsive operation – even when wearing gloves. These centrifuges can accommodate standard 50mL and 15mL tubes, including common blood tubes. When used with accessories, rotors can be adapter for sizes as small as 1.5mL. Enclosing all its functionalities within a small footprint, the compact profile helps to save valuable bench space in labs.



- LCD Backlit Display, 2 Lines
- AC Power (included)
- Brushless quiet motor, small footprint
- Easy installation design

	<b>8084-01</b>	<b>8084-02</b>
Model:	Centrifuge FC5707 + R05 Rotor	Centrifuge FC5707 + R09 Rotor
Capacity:	8 x 15 mL	4 x 50 mL or 4 x 15 mL
Speed Range:	200 rpm – 6,800 rpm	
Maximum Relative Centrifuge Force (x g)	4,445 g	
Display:	LCD with backlight	
Lid lock:	Mechanical	
Dimensions:	14 in W x 9.3 in D x 10.9 in H	
Weight:	22.1 lb (10 kg)	
Electrical:	AC Power (Included)	

Item No.	Product Description	Your Cost
<b>8084-01</b>	Centrifuge Package: FC5707 with Angle Rotor (8x15mL)	<b>1,701.86</b>
<b>8084-02</b>	Centrifuge Package: FC5707 with Angle Rotor (4x50ml RB/FA or 4x15ml RB/FA)	<b>1,661.00</b>

Additional rotors available at [weberscientific.com](http://weberscientific.com)



Find more centrifuge options at [weberscientific.com](http://weberscientific.com)



## Precision® General Purpose Water Baths (Thermo Fisher)

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. Clear polycarbonate gable cover and diffuser tray included.

Item Number	1069-02	1069-04
Temperature Range	Ambient to 100°C	Ambient to 100°C
Heating Capacity	800W	1200W
Bath Volume	10L (2.6 GAL)	20L (5.3 GAL)
Cabinet Material	Epoxy Powder Coated Steel	
Chamber Material	Stainless Steel	
Temperature Presets	4	
Temperature Uniformity	±0.2 °C	
Temperature Stability	±0.1 °C	
Ext Dims (L x W x H)	15.5 x 15.1 x 9.2 in.	15.4 x 21.8 x 9.2 in.
Electrical Requirements	100-115V/200-230V, 50/60Hz	

Item No.	Mfr Item No.	Size	Your Cost
<b>1069-02</b>	TSGP10	10 liter	<b>1,364.03</b>
<b>1069-04</b>	TSGP20	20 liter	<b>1,812.20</b>

Additional sizes, dual chamber models, and bundle deals available at [www.weberscientific.com](http://www.weberscientific.com)



## Precision™ Circulating Water Baths (Thermo Fisher)

Thermo Scientific™ Precision™ circulating water baths are ideal when temperature uniformity and control are particularly critical, such as when working with enzymes and in serological applications. Available in three different models, these high performance baths feature a microprocessor control and include a removable stainless steel gable cover and diffuser tray. UL, CE Certifications/Compliance.

Item Number	1069-20	1069-22	1069-24
Temperature Range (Metric)	Amb. +5°C to 100°C	Amb. +5°C to 100°C	Amb. +5°C to 100°C
Temperature Stability	±0.1 °C	±0.1 °C	±0.1 °C
Temperature Uniformity	±0.05 °C	±0.05 °C	±0.05 °C
Temperature Presets	4	4	4
Heating Capacity	1200W	1500W	1500W
Volume (English) Max. Bath	5.0 gal. / 19 Liter	9.2 gal./ 35 Liter	23.5 gal. / 89 Liter
Electrical Requirements	Global Voltage 100-115V/200-230V, 50/60Hz	Global Voltage 100-115V/200-230V, 50/60Hz	Global Voltage 100-115V/200-230V, 50/60Hz
Amperage	9.0-10.5 / 4.3-5.0 (120V/230V)	11.2-13.1 / 5.4-6.3 (120V/230V)	11.2-13.1 / 5.4-6.3 (120V/230V)
Dimensions (L x W x H) Exterior	15.5 x 24.9 x 9.8 in. (394 x 632 x 249mm)	15.5 x 36.9 x 9.8 in. (394 x 938 x 249mm)	21.5 x 45.7 x 11.8 in. (546 x 1160 x 300mm)
Dimensions (D x W x H) Interior	12 x 15.3 x 7.6 in. (305 x 387 x 192 mm)	12 x 27.3 x 7.6 in. (305 x 692 x 192mm)	19 x 36 x 9.5 in.(483 x 914 x 241mm)

Item No.	Mfr Item No.	Description	Your Cost
<b>1069-20</b>	TSCIR19	19 Liter Circulating Water Bath	<b>3,323.84</b>
<b>1069-22</b>	TSCIR35	35 Liter Circulating Water Bath	<b>3,930.88</b>
<b>1069-24</b>	TSCIR89	89 Liter Circulating Water Bath	<b>4,667.52</b>



## Water Bath Balls (Techne)

*Inexpensively controls heat loss*

Polypropylene balls are hollow and are recommended for chemical and temperature resistance. Controls temperature loss. Reduces fumes and odors. Conserve expensive chemicals

ItemNo.	Diameter	Qty	Your Cost
<b>1069-30</b>	20mm	pack/500	<b>173.46</b>
<b>1069-38</b>	38mm	pack/100	<b>20.87</b>



## Water Bath Clear

Contains an active organic ingredient that inhibits algae growth in water baths and incubators. Simply add 0.5 mL per liter of water to effectively treat water. Economical to use since 8 oz treats approximately 500L of water. Supplied in a convenient flip cap dispenser bottle.

Appearance is clear to slightly yellow liquid. pH (10% solution) of 6.5 – 8.3. Solubility: Freely soluble.

ItemNo.	Size	Unit of Measure	Your Cost
<b>1119651</b>	8oz Bottle	Each	<b>46.44</b>







### COMPASS™ CX Portable Scale

(Ohaus CX Series)

#### Energy-Efficient Portable Scale Suitable for Workplace and in-the-Field Weighing

Designed with energy efficiency in mind, the Compass CX series offers a battery life of up to 1,000 continuous hours, allowing for uninterrupted operation. Featuring a slim, stackable and light-weight design, the CX fits ideally in lab, industrial, education, and even household settings. The streamlined two-button operation means that the balance can be operated easily, and large backlit LCD display enables easy viewing of weighing results.

- Alkaline batteries provide up to 1,000 hours of continuous use, making for energy efficient weighing anywhere
- Large backlit display increases readability in low-light conditions and makes it easier to view results from a distance.
- Energy-saving auto shut-off feature
- Slim, space-saving design allows for stackable storage for up to four scales.

Item No.	1067-22	1067-25	1067-28
Mfr. Item No.	CX221	CX2200	CX5200
Capacity x Readability	220g x 0.1g	2200g x 1.0g	5200g x 1.0g
Span Calibration Mass (Not Included)	200g	1 kg	2 kg
Stabilization Time (s)	1.5		
Weighing units	g, N, oz, lb:oz		
Construction	ABS housing and stainless steel pan		
Tare Range	Full capacity by subtraction		
Application Modes	Weighing		
Power requirements	3-AA alkaline batteries (included) or AC adapter		
Calibration	User-selectable external span Digital with external weight		
Typical Battery Life	1,000 hours		
Display Type	Liquid crystal display (LCD) with backlight		
Display Size	0.71 in. digits / 18 mm		
Pan size W x D	5 x 5.6 in / 128 x 142 mm		
Dimensions W x D x H (in/cm)	5.3 x 7.9 x 1.6 in. / 135 x 201 x 41 mm		
Net Weight	1.1 lb / 0.51 kg		

Item No.	Description	Qty Break	Your Cost
1067-22	220 g x 1.0 g	1	178.47
		2+	173.97
1067-25	2200 g x 0.1 g	1	177.61
		2+	173.16
1067-28	5200 g x 1.0 g	1	210.81
		2+	205.49
1067-30	AC adapter		38.58

### Newton Balance (A&D Weighing Systems)

- 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.	Mfr. Model No.	Your Cost
1067-45	EJ-200	316.21

### Compass™ CR621 Portable Electronic Scale (Ohaus)

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

The Compass CR621 provides basic weighing functionality and competitive performance at an economical price. Features such as a slim, stackable design, and an enlarged weighing platform, make this scale perfect for a variety of portable weighing applications.



Maximum Capacity	620 g
Readability	0.1 g
Dimensions HxLxW	1.6 x 8.1 x 5.5 in (41 x 205 x 140 mm)
Pan Size	5.2 x 5 in (132 x 125 mm)
Display	LCD
Net Weight	0.9 lb (0.4 kg)
Power Requirements	3 AA (LR6) Batteries (Included)
Stabilization Time	2 Seconds
Units of Measurement	Gram, Pound, Ounce, Ounce Troy, Pennyweight
Working Environment	64°F - 77°F, 80% RH, non-condensing (18°C - 25°C, 80% RH, non-condensing)

Item No.	Qty Break	Your Cost
1067-13	1	122.36
	2+	106.45

## Bronze DP-Series Precision Balances (LabGenius)

*Fast and precise weighing in a portable package*



**SCHDP-502**

Ideal for all general laboratory applications where accuracy and portability is required. Each balance comes complete with a 9V AC power adapter or insert six AA batteries (batteries not included) for portable applications. Convenient automatic shut off mode conserves battery life and the low battery indicator ensures sample weighing is not interrupted. With four dedicated keys (On/Off, CAL, Unit, and Tare) this balance provides quick, effortless weighing.

### Key Features

- Portable allows users to operate in the field or move from lab-to-lab
- Large, easy-to-see white back lit display
- Multiple weigh modes for multiple applications
- Stainless steel weigh pan is easy to remove for cleaning
- 5-Year full coverage warranty on parts & labor for complete peace of mind

Working Temperature	5°C to 40°C
Stabilization	3 Seconds
Power Supply	9V DC/ 300 mA
	Battery Mode: 6AA (batteries not included)
Weighing modes	grams, pennyweight, ounces, troy ounces, and pounds
Display	LCD (Backlit)



**SCHDP-123**

Item No.	Model No.	Capacity	Pan Size	Readability	Linearity	Calibration	Draft Shield	Your Cost
<b>SCHDP-123</b>	DP-123	120g	90mm round	0.001g	±3 mg	External	Short; Open Air	<b>734.93</b>
<b>SCHDP-502</b>	DP-502	500g	145 x 145mm	0.01g	±0.02 g	External	-	<b>550.92</b>
<b>SCHDP-1502</b>	DP-1502	1500g	145 x 145mm	0.05g	±0.1 g	External	-	<b>518.22</b>
<b>SCHDP-3001</b>	DP-3001	3000g	145 x 145mm	0.1g	±0.2 g	External	-	<b>344.02</b>
<b>SCHDP-6000</b>	DP-6000	6000g	145 x 145mm	1g	±2 g	External	-	<b>344.02</b>

## Scout SPX Balance (Ohaus)

*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)	220g	420g
Readability (g)	0.01	0.01
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.	Capacity	Qty Break	Your Cost
<b>1067-08</b>	SPX222	220g	1	<b>505.34</b>
			2+	<b>455.38</b>
<b>1067-09</b>	SPX422	420g	1	<b>709.03</b>
			2+	<b>638.91</b>

## Silver DS-Series Precision Balances (LabGenius)

Every balance includes a 5-year, worry free warranty

A compact, light weight designs with an average weight of only 1.3kg (2.9lbs) making the perfect choice for measurements in the field. Its compact casing allows for transportation to even the most remote locations. Adding to its portability is the internal rechargeable battery with an average of 33 hours operation time allowing for precise measurements anywhere you go.

Advanced features such as RS232, USB-A, USB-B connections, adjustable filter for optimized measurements in any condition, and 6 working modes come standard on any DS-Series balance along with a 5-year, worry-free warranty.



SCHDS-203

### Key Features

- Internal rechargeable battery – average of 33 hours of operation
- Easy external calibration
- RS232, USB-A, USB-B connections
- Multiple weigh modes including animal weighing, parts counting, density determination, plus more
- Adjustable filter
- 5-Year Warranty

Working Temperature	15°C to 30°C
Stabilization	2 Seconds
Interface	RS232, USB-A, USB-B
Power Supply	100-240 V AC, 60 Hz 12 V DC + Battery
Battery Type	NiMH-Type of 1800-2800mAh Capacity
Display	LCD (Backlit)

Item No.	Model No.	Capacity	Pan Size	Readability	Linearity	Calibration	Draft Shield	Your Cost
SCHDS-203	DS-203	200g	100mm Round	0.001g	±0.004 g	External	Short, Open Air	<b>622.80</b>
SCHDS-602	DS-602	600g	128 x 128mm	0.01g	±0.02 g	External	-	<b>566.78</b>
SCHDS-2002	DS-2002	2000g	128 x 128mm	0.01g	±0.03 g	External	-	<b>607.57</b>
SCHDS-3101	DS-3101	3100g	128 x 128mm	0.1g	±0.03 g	External	-	<b>607.57</b>
<b>High Capacity Options</b>								
SCHDSH-2002	DSH-2002	2000g	195 x 195mm	0.01g	±0.03 g	External	-	<b>729.90</b>
SCHDSH-2002C	DSH-2002.C	2000g	195 x 195mm	0.01g	±0.03 g	Internal	-	<b>893.00</b>
SCHDSH-6001	DSH-6001	6000g	195 x 195mm	0.1g	±0.2g	External	-	<b>729.90</b>
SCHDSH-6001C	DSH-6001.C	6000g	195 x 195mm	0.1g	±0.2g	Internal	-	<b>893.00</b>
SCHDSH-10001	DSH-10001	10,000g	195 x 195mm	0.1g	±0.3 g	External	-	<b>893.00</b>
SCHDSH-20001	DSH-20001	20,000g	195 x 195mm	0.1g	±0.3 g	External	-	<b>1,137.67</b>

Item No.	SARBCE124i-1s	SARBCE224I-1S
Capacity	120g	220g
Readability	0.1mg (0.0001g)	
Repeatability	0.1mg (0.0001g)	
Calibration	Internal and External	
Stabilization Time	1.5s	
Application Modes	Weighing, Dosing, Counting, Percentage weighing, Mixing/net total, Components/totalizing, Animal weighing, Calculation/free factor, Density determination, Statistics, Peakhold, Checkweighing, and Mass unit conversion	
Communication	RS232 9-pin and USB Type C interface	
Weighing Pan Size	Ø 90mm	
Draft Shield	Yes - 240mm internal height	
Balance Dimensions W x D x H	219x317x345 mm	

- Data output for dynamic weighing applications – configurable time interval for data output
- Easily adapts to ambient conditions with just one click on the home screen
- 12 built-in applications with GLP/GMP compliant printout/data output
- Highest usable weighing chamber height for easy handling for even large containers (where applicable)
- Future-proof USB Type C interface, industry-proof RS232 9-pin interface, and backwards compatibility by using RS232 port

## Entris II Essential Analytical Balances (Sartorius) **NEW!**

### Unrivalled value, expertly engineered

The only balance in its class featuring isoCAL, LED touch technology, and 12 built-in applications. Highly accurate results year & and year out guaranteed via monolithic weigh cell technology invented by Sartorius - backed by almost 150 years of German engineering expertise. isoCAL (internal calibration and adjustment) offers total assurance of accurate weighing results. Assured (SOP) compliant operation with self-notification if calibration is outside the normal range. The hybrid screen is excellent for readability and use by combining intuitive, wear resistant LED and touch technology. This provides an easy and clear structured user interface. Each balance will automatically detect Sartorius accessories (e.g. printer, second display) and the real "PC-direct feature" for easy connection to a PC to transfer weighing data directly into spreadsheets (Microsoft Excel) or documents (Microsoft Word) make this an easy plug & play balance.



Item No.	Your Cost
SARBCE124I-1S	<b>2,287.35</b>
SARBCE224I-1S	<b>2,570.40</b>



## Defender™ 3000 Series Bench Scales (Ohaus)

*Perfect for weighing, counting, and more*

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,.
- High LCD weight display with high-contrast backlight
- Built-in RS232 for printing and data connection



Item No.	3109-02	3109-07
Mfr. Item No.	D33P75B1R1	D33P150B1L2
Capacity (d)	150 lb	300 lb
Dimensions (LxHxW)	19.3" x 21.3" x 12" / 489 x 542 x 305 mm	27" x 35.3" x 16.5" / 686 x 896 x 420 mm
Net Weight	24.1 lb / 10.9 kg	38.5 lb / 17.5 kg
Weight Display	7 segment with multi-color backlight	
Power	6 C (LR14) Batteries (not included); Rechargeable; Battery (not included); AC Power (included)	
Operating Temperature Range	14°F to 104°F / -10°C to 40°C	

Item No.	Your Cost
3109-02	<b>837.57</b>
3109-07	<b>1,015.93</b>



## 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.	Qty Break	Your Cost
3109-09	1	<b>328.56</b>
	2+	<b>284.73</b>

## Valor 3000 Extreme Portable Rugged Balances (Ohaus)

*Popular Easy Washdown Balance*



- 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

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		

Item No.	Capacity	Qty Break	Your Cost
1068-15	300 g	1	<b>718.26</b>
		2+	<b>612.12</b>
1068-18	3000 g	1	<b>723.14</b>
		2+	<b>616.25</b>
1068-21	6000 g	1	<b>719.75</b>
		2+	<b>613.39</b>

**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)



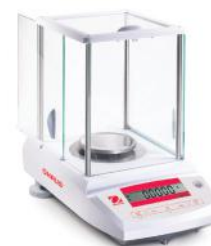
Item No.	Mfr. Model No.	Mfr. Item No.	Capacity	Readability	Certified Readability	Platform Size	Your Cost
<b>1068-00</b>	V71P1502T	30031827	1.5kg (3lb)	0.05g (0.0002lb)	0.5g (0.001lb)	300 x 225 mm	<b>826.20</b>
<b>1068-01</b>	V71P3T	30031828	3kg (6lb)	0.1g (0.0002lb)	1g (0.002lb)	300 x 225 mm	<b>839.46</b>
<b>1068-02</b>	V71P6T	30031829	6kg (15lb)	0.2g (0.0005lb)	2g (0.005lb)	300 x 225 mm	<b>826.20</b>
<b>1068-03</b>	V71P15T	30031830	15kg (30lb)	0.5g (0.001lb)	5g (0.01lb)	300 x 225 mm	<b>826.20</b>
<b>1068-04</b>	V71P30T	30031831	30kg (60lb)	1g (0.002lb)	10g (0.02lb)	300 x 225 mm	<b>862.20</b>

Item No.	3109-33	3109-34	1067-15
Mfr. Item No.	PX84/E	PX224/E	PX1602/E
Capacity (g)	82	220	1600
Linearity (mg)	±0.0002		20
Readability (g)	0.0001		0.01
Repeatability (Std. dev.) (mg)	0.0001		10
Stabilization Time (s)	3		
Application Modes	Weighing, Parts Counting, Percent Weighing		
Weighing Units	mg / g / ct / oz / plus 14 others		g, kg, lb, ct, plus 13 others
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 D x H cm	20.9 x 32.1 x 30.9 cm		20.9 x 32.1 x 9.8 cm
Operating Conditions	+10° C to 30° C		
Communication	RS232 and USB		
Net Weight (lb/kg)	10.0 / 4.5		7.7 lb / 3.5 kg
Warranty	Two years		

Item No.	Your Cost
<b>3109-33</b>	<b>2,005.69</b>
<b>3109-34</b>	<b>2,568.70</b>
<b>1067-15</b>	<b>1,125.38</b>



1067-15



3109-33

**Pioneer® Analytical and Precision Balances (Ohaus)****The best balances 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.

## 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	Qty Break	Your Cost
3109-91	W1000-100	Calibration weight, 100g, class F1	1	<b>84.10</b>
			2+	<b>79.43</b>
3109-92	W1000-200	Calibration weight, 200g, class F1	1	<b>98.87</b>
			2+	<b>96.13</b>
3109-93	W1000-500	Calibration weight, 500g, class F1	1	<b>131.80</b>
			2+	<b>128.19</b>
3109-94	W1005-1000	Calibration weight, 1kg stainless steel, M1	1	<b>97.22</b>
			2+	<b>91.81</b>
3109-95	W1005-2000	Calibration weight, 2kg stainless steel, M1	1	<b>209.49</b>
			2+	<b>197.86</b>
3109-96	W1000-TFT	Tweezers, for handling calibration weights	1	<b>30.84</b>

## Calibration Class M1 Weight Set (Benchmark Scientific)

Basic, compact balances with readability in the range of 0.1g to 0.01g can be calibrated with M1 Class weights.

Economy M1 Calibration Weight Set includes **13 pieces**: 1x1g, 2x2g, 1x5g, 1x10g, 2x20g, 1x50g, 1x100g, 2x200g, 1x500g & 1x1000g.



A protective carrying case is included.

Item No.	Mfr. Item No.	Description	Qty Break	Your Cost
3109-83	W1105-13-1000	Basic class M1 calibration weight set	1	<b>315.25</b>

## 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. **Set includes 23 stainless steel cylindrical and leaf weights**, 1 mg to 200g. Cylindrical weights are marked with their nominal value. Supplied in a protective case along with tweezers, a cleaning cloth and dust brush.



Item No.	Mfr. Item No.	Description	Qty Break	Your Cost
3109-90	W1100-200	Basic class F1 calibration weight set	1	<b>601.73</b>
			2+	<b>585.14</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	Your Cost
3013-20	pack/50	<b>26.15</b>



## Microwave Oven Pads

Disposable glass fiber pads for accurate moisture testing.

Item No.	Description	Qty	Your Cost
3252-04	Round 3 1/2" / 90 mm Dia. pad	pack/200	<b>37.84</b>
3252-05	Square 4 x 4" / 102x102 mm pad	pack/400	<b>45.43</b>



## Pan Liners for OHAUS® Moisture Balance

Disposable aluminum

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

**3013-40** has a 4 3/4"/121 mm diameter and is 3/16" deep.

Item No.	Description	Qty	Your Cost
3013-38	OHAUS Moisture Balance Models: MB120, MB92, MB90, MB62, MB32, MB27 & MB23	pack/80	<b>76.73</b>
3013-40	Pan liners for older models of Ohaus Moisture Balance	pack/100	<b>26.35</b>

## Let's Connect in 2025!

Weber will be attending and exhibiting at several trade shows and conferences this year. See our current schedule at:

[weberscientific.com/trade-shows](http://weberscientific.com/trade-shows)





Item No.	SCHDM-210	SCHDM-50	SCHDM-50.H
<b>Model No.</b>	<b>DM-210</b>	<b>DM-50</b>	<b>DM-50.H</b>
Capacity (g)	210 g	50 g	50 g
Readability (g)	.001 g	.001 g	0.0001 g
Repeatability (Std Dev) (g)	0.05 % (sample weight of 2 g) 0.01 % (sample weight of 10 g)		
Tare Range	-210 g	-50 g	-50 g
Output	RS232 (2), USB (2, type A&B), or WiFi Ports		
Heater type	IR Emitter		
Temp range	Max. 160°C		
Power	110 V		
Drying Modes	4 drying modes (standard, quick, step, mild)		
Display type	5" Color Capacitive Touchscreen		
Dimensions (WxHxD)	18.5" x 15" x 13.4" (47 x 38 x 34 cm)		
Weight (lb/kg)	14.8 lbs (6.7 kg)		
Warranty	3-Year Warranty		

Item No.	Capacity	Readability	Your Cost
<b>SCHDM-210</b>	210 g	.001 g	<b>2,688.59</b>
<b>SCHDM-50</b>	50 g	.001 g	<b>2,520.29</b>
<b>SCHDM-50.H</b>	50 g	0.0001 g	<b>2,856.89</b>

## Moisture Balance (LabGenius)

### State-of-the-art features for advanced moisture content analysis

The moisture content results are clearly displayed on the large, easy-to-read color capacitive touch screen. Easily navigate through menus and setup experimental procedures.

- 4-drying modes including standard, mild, quick, and step to accurately determine moisture content in various substances
- GLP documentation – store up to 100 users, 5000 products, and 100 packagings, and 200 drying programs in memory
- Allows for customization of switch-off times for end of moisture content analysis (automatic, time-defined, or manual switch-off)



## MB Series Advanced Moisture Analyzers (OHAUS)



### MB92

#### High Performance for the Most Demanding Application.

Full glass panel and tool-free heating chamber assembly makes cleaning and maintenance easy. Perfect for both the laboratory and the production floor.

Item No.	8103-03
Capacity	90 g
Readability	0.01 % / 0.001 g
Repeatability	0.08 % (3 g sample) 0.015 % (10 g sample)
Output	RS232, USB host, USB device
Heater type	Carbon Fiber
Temp range	40 - 200°C (1°C increments)
Power	120 VAC 50/60 Hz
Display type	4.3" touch screen
Dimensions	W 8.3 x H 5.4 x D 13.9"
Weight	9.5 lb (13.4lbs shipping)

Item No.	Your Cost
<b>8103-03</b>	<b>4,248.30</b>



### MB62

#### Flexible Performance in a Variety of Applications.

Flexible method and sample management with 4 drying profiles, 7 shut off criteria and library storage for up to 20 methods, and 100 results with sample ID for easy recall. Suitable for a variety of moisture applications in numerous industries.

Item No.	8103-02
Capacity	90 g
Readability	0.01 % / 0.001 g
Repeatability	0.10 % (3 g sample) 0.018 % (10 g sample)
Output	RS-232, USB device
Heater type	Carbon Fiber
Temp range	40 - 200°C (1°C increments)
Power	120 VAC 50/60 Hz
Display type	5" LCD
Dimensions	W 8.3 x H 5.4 x D 13.9"
Weight	9.5 lb (13.4lbs shipping)

Item No.	Your Cost
<b>8103-02</b>	<b>3,641.40</b>



### MB32

#### Perfect for Routine Moisture Testing.

An LCD with second line display, navigation knob, and intuitive operation system makes for convenient routine moisture testing. Robust, slim design with a strong housing ensures durability even in harsh environments.

Item No.	8103-01
Capacity	90 g
Readability	0.01 % / 0.001 g
Repeatability	0.15 % (3 g sample) 0.02 % (10 g sample)
Output	RS-232, USB device
Heater type	Carbon Fiber
Temp range	40 - 180 °C (1°C increments)
Power	120 VAC 50/60 Hz
Display type	4" LCD
Dimensions	W 8.3 x H 5.4 x D 13.9"
Weight	9.5 lb (13.4lbs shipping)

Item No.	Your Cost
<b>8103-01</b>	<b>2,861.10</b>



### MB23

#### Outstanding Performance, Reliable Results

- Glass-less infrared heating increases efficiency for faster results.
- User-friendly touch-button design for easy operation.
- Compact to suit any workspace.

Item No.	3013-07
Capacity	110g
Readability	0.1%/0.001 g
Repeatability	0.002g (typical)
Output	Bi-Directional RS-232
Heater type	Infrared Coil (no glass)
Temp range	50° to 160°C (5°C increments)
Power	100-240V 50/60Hz
Display type	Backlit Display
Dimensions	W 6.5 x H 5 x D 11"
Weight	5lbs (8.5lbs shipping)
Warranty	1 year

Item No.	Your Cost
<b>3013-07</b>	<b>3,496.39</b>

## WeighBucket™ The WeighBoat for Liquids (MTC Bio)

New polyethylene WeighBuckets are a new type of weighing vessel that safely transports, contains and pours liquids, powders and small solids. The handle and spout make them easy to use, practically eliminating spillage and making controlled-rate pouring possible.

Dimensions excluding rim, spout and handle: 53 x 33mm (D x H)



Item No.	Capacity	Qty	Your Cost
3015-42	40mL	pack/500	<b>35.35</b>



## Disposable Smooth-Wall Weigh Dish

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

Item No.	Qty	Qty Break	Your Cost
3015-12	pack/100	1-9	<b>14.39</b>
		multiples of 10	<b>11.73</b>



## Disposable Weigh Dish

Aluminum. With finger-grips.

Item No.	Cap., mL	Top I.D. inches	Qty	Qty Break	Your Cost
3015-20	20	1 3/4	pack/100	1-9	<b>8.54</b>
				10+	<b>7.43</b>
3015-22	50	2 3/8	pack/100	1-9	<b>9.53</b>
				10+	<b>8.31</b>
3015-24	70	2 3/4	pack/100	1-9	<b>13.07</b>
				10+	<b>11.35</b>



3015-04      3015-06

Find more weighing boat options at [weberscientific.com](http://weberscientific.com)

## 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
- Withstands diluted acids and bases
- Tolerates temperatures to 90°C / 194°F
- Compact dispenser packs



Item No.	Size, inches / mm	Description	Pack Qty	Qty Break	Your Cost
3015-26	2.6 x 3.4 in / 65 x 85 mm	White diamond	500	1	<b>46.15</b>
				2+	<b>41.54</b>
3015-27	2.6 x 3.4 in / 65 x 85 mm	Black diamond	500	1	<b>41.53</b>
				2+	<b>37.39</b>
3015-28	3.1 x 3.1 in / 80 x 80 mm	White square	500	1	<b>44.25</b>
				2+	<b>39.82</b>
3015-29	3.1 x 3.1 in / 80 x 80 mm	Black square	500	1	<b>44.25</b>
				2+	<b>39.82</b>
3015-36	3.9 x 4.9 in / 100 x 125 mm	White diamond	250	1	<b>42.68</b>
				2+	<b>38.43</b>
3015-37	3.9 x 4.9 in / 100 x 125 mm	Black diamond	250	1	<b>38.40</b>
				2+	<b>34.57</b>
3015-38	5.5 x 5.5 in / 140 x 140 mm	White square	500	1	<b>100.35</b>
				2+	<b>90.31</b>
3015-39	5.5 x 5.5 in / 140 x 140	Black square	500	1	<b>82.22</b>
				2+	<b>73.99</b>



3015-35



3015-30

## Disposable Weigh Dish

Translucent polystyrene.

Item No.	Size inches	Qty	Your Cost
3015-35	3 3/16 sq.	pack/500	<b>53.40</b>
3015-40	5 1/2 sq.	pack/500	<b>113.88</b>

## Weighing Paper

Extremely smooth surface allows free flow. Pack of 500.

Item No.	Size Inches	Qty Break	Your Cost
3015-30	4 X 4	1-4	<b>20.33</b>
		5+	<b>18.31</b>
3015-32	6 X 6	1-4	<b>33.72</b>
		5+	<b>30.92</b>



## WATSON 4-Well Portable Thermal Cycler

### Microbe Detection Reimagined

The WATSON 4-Well Portable Thermal Cycler is a cost-effective solution for PCR (polymerase chain reaction), a DNA amplification technique in which few copies of DNA can be replicated to create trillion of copies in less than 90 minutes. In PCR, the starting DNA is repeatedly heated and cooled about 40 times in the presence of an enzyme and buffers to synthesize new DNA.

The instrument consists of a 4-well heating block and heating lid. The temperature is programmable between 30°C and 105°C with ±0.1°C precision. The resistive heating and air forced cooling systems are controlled by a PID algorithm for cyclical heating/cooling of the heating block. The WATSON's heating ramp rate is rated at 4 ±0.5 degrees/sec. The heating block is cooled by 5 CFM (cubic feet per minute) capacity cooling fan producing 2 ±0.5 degrees/sec cooling ramp time. The heated lid prevents water condensation during sample heating step.

Power is delivered to WATSON by USB type C port. Either USB AC wall adapter or USB power bank can power the device. The 10Ah power bank that comes with the device will enable the user to run 4 full PCR assays without charging.

WATSON is operated by a 4-positioned DIP switch. It does not require a computer or mobile phone for operation. It can store up to 16 different PCR programs in its flash memory. Users will need to alter DIP switch patterns to select the recommended PCR program for each individual assay specified in the manual. The machine comes with 16 default programs preloaded that can cover almost all assays that can be run on WATSON. Users can alter all programs using a desktop-based software.

WATSON can operate in a harsh environment. Its plastic housing and mechanical components are manufactured with material to resist high temperature, chemicals, and high impact.

#### Key Features

- Consists of a 4-well heating block and heating lid
- Programmable temperature of 30°C and 105°C with ±0.1°C precision
- Heating ramp rate of 4 ±0.5 degrees/sec and cooled by 5 CFM (cubic feet per minute) capacity cooling fan producing 2 ±0.5 degrees/sec cooling ramp time
- Powered by either a USB Type C port: either USB AC wall adapter or USB power bank – supplied 10Ah power bank provides 4 full PCR assays without charging
- Operated by a 4-positioned DIP switch to store up to 16 different PCR programs in its flash memory

Item No.	Color	Your Cost
4165-23	Orange	249.99
4165-20	Green	249.99
4165-21	Black	249.99

## WATSON PCR



#### Specifications

Sample Format	4-Well Plate; PCR tubes 200µL capacity
Reaction Volumes	10-50µL
Programmable Plate & Lid Temperature Range	30-105°C
Temperature Accuracy	±0.1°C of programmed target temperature
Maximum Ramp Rate	4°C/s Heating, 5°C/s Cooling
Run Time	45-60 min for 3-step s 30-40 cycles PCR
WxDxH	39 x 68 x 88 mm
Degree of Protection	IP30
Ports	USB Type-C, Micro-USB
Housing Material	Polycarbonate
Operational Interface	4-Positioned DIP Switch
Insulation Class I (Earth), Pollution Degree II	
Thermocycling System Resistive Heating, Forced-Air Cooling	



Find more PCR thermal cyclers at [weberscientific.com](http://weberscientific.com)

### Individual PCR Tubes (Celltreat)

#### Perfect for use with WATSON PCR

Ultra-thin tube walls to provide uniform and efficient heat transfers. Certified RNase/DNase/DNA-free and non-pyrogenic to ensure reliable experimental results. Conveniently packaged in re-sealable bags minimize risk of contamination



Item No.	Capacity	Cap Style	UoM	Your Cost
CEL230456	0.2 mL	Optically Clear Flat	Case of 1000	50.28
CEL230455	0.2 mL	Frosted Flat	Case of 1000	50.28



## MicroSnap™ Microbial Detection (Hygiene)

### 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	Your Cost
4161-50	MS2-ECOLI	MicroSnap E. coli Detection Device	case/100	479.40
4161-60	MS2-COLIFORM	MicroSnap Coliforms Detection Device	case/100	458.64
4161-65	MS1-CEC	MicroSnap Enrichment Device for E. coli and Coliforms	case/100	176.86
4161-66	MS2-EB	MicroSnap E. enterobacteriaceae Detection Device	case/100	337.92
4161-67	MS1-EB	MicroSnap Enrichment Device for enterobacteriaceae	case/100	176.69
4161-68	MS2-Total	MicroSnap Total Viable Count (TVC) Detection Device	case/100	186.53
4161-69	MS1-Total	MicroSnap Enrichment Device for TVC	case/100	138.25
4161-00	MS1-N-BROTH-9mL	Enhanced Nutrient Broth 9mL: Total, Coliform, & E. coli	case/100	356.46
4161-01	MS1-EB-BROTH-9mL	Enhanced EB Broth 9mL: EB, Coliform, & E. coli	case/100	345.68

• Both an enrichment device and a detection device are required.

## 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°C 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

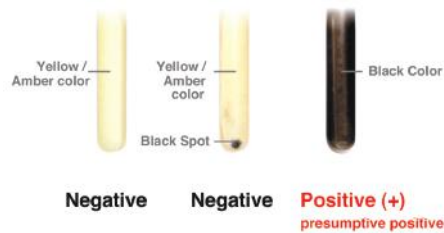
### Product performance claims - *Listeria*

- 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

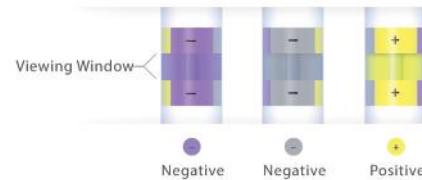
### Product performance claims – *Salmonella*

- 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

### Interpreting Results - *Listeria*



### Interpreting Results - *Salmonella*



Item No.	Mfr Item No.	Description	Qty	Your Cost
❄️ 4161-38	IS050	InSite Salmonella test kit	pack/50	435.09
❄️ 4161-40	IL50	InSite Listeria test kit	pack/50	435.51
❄️ 4161-45	IL100	InSite Listeria test kit	pack/100	824.95

## 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.



Item No.	Mfr Item No.	Description	Your Cost
4161-80	INCUBATOR+IB003	Small Format Digital Incubator with 12-well block	467.25
4161-08	INCUBATOR	Small Format Digital Incubator for Micro-AllerSnap- Block not included	352.69
4161-85	INCUBATOR2+IB001	Lab Format Digital Incubator with 2 35-well blocks	723.78
4161-05	INCUBATOR2	Lab Format, Block(s) not included	457.52
4161-06	IB001	Swab Tube Block for Model No: INCUBATOR2 - 35 wells	136.08
4161-07	IB002	Vial Tube Block for Model No: INCUBATOR2 - 15 wells	144.35
4161-83	IB003	Swab Tube Block for Model No: INCUBATOR - 12 wells	143.69

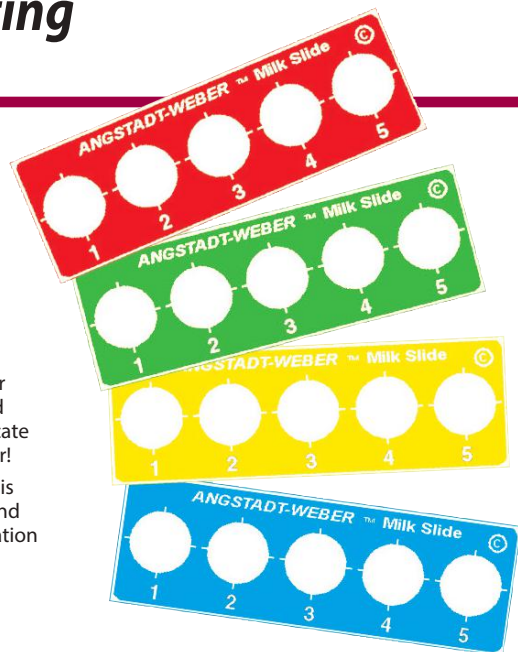
## Angstadt-Weber™ Milk Smear Slides

*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	Your Cost
2009-43	5 circle slide	blue	pack/72	<b>52.36</b>
2009-45	5 circle slide	red	pack/72	<b>52.36</b>
2009-47	5 circle slide	green	pack/72	<b>52.36</b>
2009-49	5 circle slide	yellow	pack/72	<b>52.36</b>



## L-W Stain for Milk Smears

*For effective direct microscopic counts*

Developed in our own laboratories for effective direct microscopic counts of somatic cells and bacteria. 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.

Item No.	Formulation	Qty	Your Cost
2001-00	Regular - xylene	Liter	<b>77.39</b>
2002-00	Regular - xylene	500 mL	<b>51.41</b>
2001-05	Regular - tetrachloroethane	Liter	<b>157.90</b>
2002-05	Regular - tetrachloroethane	500 mL	<b>85.25</b>
2001-20	Canadian - xylene	Liter	<b>88.07</b>
2002-20	Canadian - xylene	500 mL	<b>53.47</b>
2001-25	Canadian - tetrachloroethane	Liter	<b>173.30</b>
2002-25	Canadian - tetrachloroethane	500 mL	<b>100.43</b>

## 5 Circle Slide

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



Item No.	Qty	Your Cost
2007-03	pk/72	<b>45.65</b>



**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 microtips 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	<b>37.93</b>

## Pyronin Y-Methyl Green Stain

Required for use when analyzing goat's milk.

Item No.	Qty	Your Cost
2002-60	500 mL	<b>260.82</b>

## Carnoy's Solution (Fixative)

500 mL each



Item No.	Your Cost
2002-65	<b>110.73</b>

### ACCESSORIES: FOR MICROSCOPE SLIDES



Xylene for cleaning microscope slides see page 59.  
Wipes for cleaning microscope slides see page 179.



### 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.	Your Cost
2005-10	9.18

### 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.	Your Cost
2005-00	45.28



### Replacement Cap

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

Item No.	Your Cost
2005-01	0.65



### Microliter Syringes 700 Series

Ideal for moving 0.01 mL of liquid. They come in fixed or removable needles. Features a beveled non-coring needle point which may be used for septum penetration. Additional volumes available at [weberscientific.com](http://weberscientific.com)

Item No.	Description	Your Cost
HAM80300	10µL volume fixed needle	35.23
HAM80330	10µL volume removable needle	60.82

### EasyDip™ Slide Staining System (Simpport 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	Qty Break	Your Cost
2005-15	Blue	each	1-5 6+	10.52 9.19
2005-16	Green	each	1-5 6+	10.52 9.20
2005-17	Pink	each	1-5 6+	10.52 9.20
2005-18	White	each	1-5 6+	10.52 9.20
2005-19	Yellow	each	1-5 6+	10.52 9.20
EasyDip Rack Item No.	Color	Qty	Qty Break	Your Cost
2005-20	Dark Gray	each	1-5 6+	13.03 11.39

### 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.	Description	Your Cost
2006-00	Complete Staining Dish Unit	93.74

### Replacement Parts

2006-03	Replacement Dish	37.31
2006-06	Replacement Cover	23.59
2006-09	Replacement Frame	35.73
2006-12	Replacement Wire Handle	10.61



## 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	Your Cost
2011-01	pk/72	19.87

## #1 Cover Glasses

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

Item No.	Qty	Qty Break	Your Cost
2012-25	1 oz/pk	1-9	18.30
		mult. of 10	13.97

170 pieces of cover glass = 1 oz

## Rectangular Cover Glasses

Non-fogging glass. Exceptional quality. Made with non-corrosive borosilicate glass. Packaged in moisture resistant plastic cases that convert into slide boxes. #1 thickness.

Item No.	Glass Size	UoM	Your Cost
ES3322	24x50mm	Case of 10oz	269.87
ES3323	24x60mm	Case of 10oz	66.70



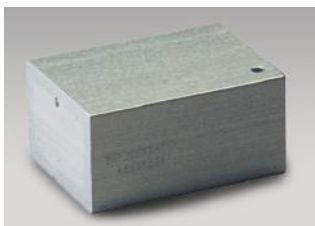
## Economical Slide Dispenser

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

Item No.	Your Cost
2034-12	31.64

## Solid Modular Block

Precise temperature control for even slide drying



Fits our digital incubator, Weber item **3178-15**. This solid aluminum block significantly offers a consistent heating surface for even drying. Complete with thermometer well. Thermometer is not included, we

recommend Weber item #**3028-85** or similar.

Item No.	Your Cost
3178-19	141.86



## 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.	Description	Your Cost
2004-78	4-step four 250 mL bottles (with Crystal Violet, Stabilized Gram Iodine, Decolorizer Solution, and Safranin)	202.61

## Gram Stain Replacement Components (BD Diagnostics)

Item No.	Mfr Item No.	Description	Size	Your Cost
BBL212526	212526	Gram Crystal Violet Solution	1 Gallon	302.38
BBL212543	212543	Stabilized Gram Iodine	1 Gallon	539.96
BBL212528	212518	Gram Decolorizer Solution	1 Gallon	539.96
BBL212532	212532	Gram Safranin	1 Gallon	356.37



## 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	98.95



## 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.

Item No.	Unit of Measure	Your Cost
2005-60	Pack of 12	94.37



## Slide Storage Box (Heathrow Sci)

Individual slots hold 100 1" x 3" slides. Color-coded ABS for easy identification. 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	Capacity	Box Dimensions	Your Cost
2034-30	Blue	100 slides	8.75 x 6.75 x 1.3"	11.78

More color options available at [weberscientific.com](http://weberscientific.com)



### Economy Clinical Microscope (VanGuard)

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



### 1300 Series Microscopes (VanGuard)

Vivid, infinity-corrected optics with exceptionally high optical flatness and visual clarity. Wide ranges of models are available in Brightfield or Phase Contrast configurations. Choose from binocular or trinocular viewing heads.

All models feature 10X High-Endpoint WideField eyepieces, 20W variable quartz halogen illumination, field diaphragms for Koehler illuminations, and are backed by a 5-Year Warranty.

Item No.	2003-14
Mfr. Item No.	1220CM
Objectives	Achromatic (DIN) 4X, 10X, 40X, 100X (Oil)
Eyepieces	10X WideField (DIN); 18 mm F.D.
Style	Binocular
Viewing Head	30° Inclination; 360° Rotatable
Nosepiece	Quadruple - 4-Position; Reverse Pitch
Illumination	Brightfield
Stage	135 x 125 mm
Cross Travel Range	70 x 30 mm
X-Y Control	Drop-Down, Right-Hand, Rack & Pinion
Condenser	1.25 N.A. Abbe; Iris Diaphragm; Swing-Out Filter Holder; Rack & Pinion Focusing Control
Substage	20W Variable Quartz Halogen; Field Diaphragms for Koehler illumination
Construction	Stain-Resistant Enamel Finish, 225 x 175mm base; Anti-Skid Rubber Feet
Warranty	5-Year Optical/Mechanical; 1-Year Electrical
Item No.	2003-14
Your Cost	971.45

Item No.	VEE1321BRI	VEE1331BRI	VEE1323PHI	VEE1333PHI
Mfr. Item No.	1321BRI	1331BRI	1323PHI	1333PHI
Objectives	Achromatic (DIN) 4X, 10X, 40X, 100X (Oil)			
Eyepieces	10X WideField (DIN); 18 mm F.D.			
Style	Binocular	Trinocular	Binocular	Trinocular
Viewing Head	30° Inclination; 360° Rotatable			
Nosepiece	Quadruple - 4-Position; Reverse Pitch			
Illumination	Brightfield		Brightfield/Darkfield/Phase Contrast	
Stage	160 x 140 mm		75 x 50 mm	
Cross Travel Range	70 x 30 mm		75 x 50 mm	
X-Y Control	Drop-Down, Right-Hand, Rack & Pinion			
Condenser	1.25 N.A. Abbe; Iris Diaphragm; Swing-Out Filter Holder; Rack & Pinion Focusing Control			
Substage	20W Variable Quartz Halogen; Field Diaphragms for Koehler illumination			
Construction	Stain-Resistant Enamel Finish 225 x 175mm base; Anti-Skid Rubber Feet			
Warranty	5-Year Optical/Mechanical; 1-Year Electrical			
Item No.	VEE1321BRI	VEE1323PHI	VEE1323PHI	VEE1333PHI
Your Cost	1,590.80	2,448.73	2,448.73	2,518.43

### 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.	Scale	Divisions	Your Cost
2003-61	2 mm	0.01 mm	204.22

### Lens Paper

Lens paper books are a convenient way to always have lens paper handy. 4" x 6" paper sheets are bound in books of 50 – just tear out to use. Lens Paper is used to clean lenses without abrasion. Fine lens paper is Type 1, Class 1, Lintless Lens paper is used to clean lenses without abrasion.



Item No.	Description	Unit of Measure	Your Cost
2033-04	Lens Paper Book	1 book of 50 sheets	3.42

### Immersion Oil for Microscopy

Non-drying formulas

Item No.	Mfg	Type	Qty oz. / mL	Dispenser bottle	Your Cost
2033-00	Cargille	B high viscosity	4 / 118	no	58.16
2033-01	Cargille	B high viscosity	16 / 473	no	70.80
2033-02	Cargille	A low viscosity	4 / 118	no	59.84
2033-03	Cargille	A low viscosity	16 / 473	no	77.88
2033-08	Resolve	B high viscosity	1 / 30	yes - applicator rod in cap	29.06
2033-10	Resolve	B high viscosity	4 / 118	yes - twist dispenser cap	111.23
2033-12	Resolve	B high viscosity	16 / 473	yes - twist dispenser cap	89.82
2033-14	Resolve	A low viscosity	1 / 30	yes - applicator rod in cap	57.68
2033-16	Resolve	A low viscosity	4 / 118	yes - twist dispenser cap	106.35
2033-18	Resolve	A low viscosity	16 / 473	yes - twist dispenser cap	74.66



800-328-8378

### ACCESSORIES: FOR MICROSCOPY



Lab Wipes see page 179.

BACTERIOLOGICAL TESTING

35



## Bacti-Cinerator IV Loop Sterilizer

**Flameless sterilization in 5-7 seconds**

Sterilizes inoculating loops, needles and culture tube mouths safely and conveniently, preventing infectious splatter and cross-contamination. Bacti-cinerator units kill microorganisms utilizing infrared heat produced by a ceramic core element with no asbestos, ensuring sterility. Flameless electric bacti-cinerator operation safeguards personnel and is ideal for anaerobic chambers. Weighted base for stability. On/off switch, pilot light and 6 needle/loop storage holes. 120V.



Max. Temp:	815°C / 1500°F
Sterilization Time:	5-7 seconds
Electrical:	120V, 60Hz

Item No.	Description	Your Cost
SHE8889-004002	BactiZapper	578.02



## Mini LED Box Light & Magnifier

**Enlarges and illuminates objects for easier viewing**

Mini LED Box Light has a small and slim footprint to save space on the benchtop and can be conveniently stored in a drawer. It is ideal for quick screening of 96-well plates, petri dishes, electrophoresis gel, slides, and transparencies. Use the free-standing mini magnifier to enlarge objects for enhanced viewing. The molded lens swivels to adjust viewing angle for optimal view. 1.75x magnification. Key Features LED Light source stays cool and has longer life (10,000 hours) with low power consumption Viewing area of 5x4". Powered by six 1.5V AAA batteries.

Item No.	Description	Your Cost
3045-33	Mini Magnifier	145.69
HEA120661	Mini LED Light Box	146.34



2022-00



2019-30



## 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	228.48
2020-06	75 mm	307.14

## 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.	Your Cost
2022-00	25.21

## 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	2.94

## Sterilizable Metal Inoculating Loops and Needles

Conform to ASM, APHA, and FDA standards. They are ideal for semi-quantitative procedures. Choose 26-gauge for rapid cooling, 25-gauge for general use and 24-gauge for durability.

Loops and needles measure 2 3/4" L; aluminum handle measures 8"L. They are individually packaged.

- Aluminum handle - sterilizable
- Ideal for semi-quantitative procedures

Item No.	Description	Your Cost
<b>Needles</b>		
SC3060	Insulated Handle 24 gauge	2.85
SC3030	Plain Handle 24 gauge	5.72
<b>Loops</b>		
SC3132	2mm Loop Plain Handle, 26 gauge	2.55
SC3153	3mm Loop Insulated Handle, 26 gauge	5.65
SC3134	3mm Loop Plain Handle, 26 gauge	2.55



## 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.

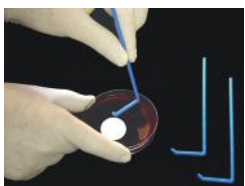
Item No.	Size	Qty	Color code	Qty Break	Your Cost
2023-05	0.001 mL / 1 µl	pk/500	blue		110.40
2023-06	0.001 mL / 1 µl	pk/250	blue	1-3 4+	46.17 39.25
2023-10	0.01 mL / 10 µl	pk/500	yellow		133.48
2023-11	0.01 mL / 10 µl	pk/250	yellow	1-3 4+	44.04 37.44



## 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.	Unit of Measure	Qty Break	Your Cost
3044-55	Case of 500	1-2 3+	72.68 66.63
3044-56	Case of 500, Individually wrapped	1-2 3+	89.09 82.72



## 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	Qty Break	Your Cost
3044-48	pack/500 sterile; pouches of 10	1-2 3+	69.38 63.61
3044-50	pack/500; ind. wrap.	1-2 3+	93.52 87.29



## 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 droplet 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	Unit of Measure	Qty Break	Your Cost
2023-15	Rigid dark green inoculating loop	1 µL/0.001 mL	Pack of 1000	1 2+	95.65 85.02
2023-20	Rigid dark blue inoculating loop	10 µL/0.01 mL	Pack of 1000	1 2+	95.65 85.02
2023-25	Flexible light green inoculating loop	1 µL/0.001 mL	Pack of 1000	1 2+	95.65 85.02
2023-35	Flexible light blue inoculating loop	10 µL/0.01 mL	Pack of 1000	1 2+	95.65 85.02



Lifter



Scraper

## Cell Scrapers and Lifters

Designed for harvesting cells from tissue culture flasks, dishes or bottles. Cell Scrapers have soft, pliable blades for improved contact with growth surface to gently remove cells and maximize recovery.

Double-ended Cell Lifters have a 19mm beveled edge blade with a J-Hook Blade on the other side. The J-Hook has a curved end to vertically lift cells from 6, 12, 24, and 48-well plates.

Below are our most popular configurations. Additional handle length options and blade styles are available at [weberscientific.com](http://weberscientific.com).

Cell Scrapers and Cell Lifters are non-pyrogenic and packaged sterile (gamma irradiated) in individual paper/poly wrappers with 100 pieces per case.

Item No.	Description	Unit of Measure	Your Cost
CEL229306	Double-Ended Lifter - Flat Blade & J-Hook Blade	Case of 100	83.15
CEL229310	Scraper, 25cm length - 20mm Parallel Wiper-Like Blade	Case of 100	96.58



## Electronic Differential Tally Counter

*Soft-touch keys help reduce user fatigue*

These Electronic Differential Tally Counter-controlled differential cell counters are designed for anywhere cell counting is needed. The dual display simultaneously shows both the individual channel count and the total cell count on a bright, backlit LCD display. An audible click confirms entry.

Counters can manually tally and store up to 12 differentials in memory. Check totals, percentages, or correct the count at any time and then continue counting. A 100-count alert and optional 100 count lockout add flexibility.

The Diffcount™ III 8-channel model displays three digits to a maximum of 999.

The Diffcount™ III 12-channel displays two digits and indicates overflow conditions above 99. Percent calculations are still based upon the internal 3-digit counts. It also features absolute WBC count mode

Hermetically sealed switches prevent count anomalies that might result from powdered gloves and other environmental contaminants. Key overlays provide for various key mapping.



Item No.	Description	Your Cost
<b>MDS10-312</b>	12-Channel Counter	<b>829.12</b>
<b>MDS10-308</b>	8-Channel Counter	<b>745.33</b>

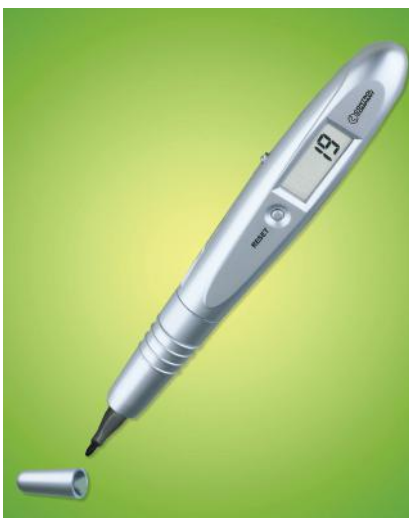
## Colony Counter Pen (Traceable)

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	Your Cost
<b>3045-40</b>	3133	Counter Pen	<b>33.35</b>
<b>3045-43</b>	3135	Replacement Pen Cartridge, Black	<b>12.04</b>

## Colony Counter SC6 PLUS (Stuart)

*Loaded with features at a good price*

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 Wolffhuegel 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
<b>3045-12</b>	SC6Plus	Colony Counter	1	<b>1,201.45</b>
		(buy magnifier or printer separately)	2+	<b>1,126.38</b>

### Accessories

<b>3045-13</b>	SC6/1	Magnifier 1.7X		<b>183.55</b>
<b>3045-14</b>	SC6/1/3	Magnifier 3X		<b>218.37</b>
<b>3045-19</b>	SMP30/1	Printer		<b>825.56</b>

## 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 Wolffhuegel guide plate and tilt leg which may be mounted to give most convenient viewing angle. 110 V. One year warranty.



Item No.	Your Cost
<b>3045-00</b>	<b>1,374.80</b>

## 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.	Qty Break	Your Cost
<b>3045-05</b>	1-4	<b>13.75</b>
	5+	<b>10.89</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.

Item No.	Size	Your Cost
<b>3029-00</b>	25 mm shank	<b>155.90</b>
<b>3029-04</b>	75 mm shank	<b>194.43</b>



3029-04

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

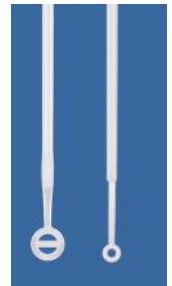
Fused loop, 4 mm inside diameter of B. & S. gauge No. 19, 96.5% platinum and 3.5% rhodium wire.

Item No.	Size	Your Cost
<b>2020-00</b>	25 mm shank	<b>228.48</b>
<b>2020-06</b>	75 mm shank	<b>307.14</b>

## QD-Loop™ Sample Dilution Device (Hygiena)

*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 1:100 or 1:1000 dilutions are available. Using a patented Snap-Valve™ technology, you simply remove the cap and loop from it's 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.



Item No.	Loop Size	Dilution	List Price
<b>3662-10</b>	1 µl - 0.001 mL	1/1000	<b>303.87</b>
<b>3662-20</b>	10 µl - 0.01 mL	1/100	<b>292.34</b>

## Stay Safe with Weber Scientific



Disposable Gloves (Nitrile, Latex, Vinyl, Polyethylene)

Reusable Gloves

Eye & Ear Protection

Safety Apparel (Lab Coats, Arm Guards, Bouffant Caps)

**Find all the safety supplies you need to keep your facility safe with our Safety Supplies.**

**See page 119**

## 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>672.48</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>132.28</b>
<b>3043-02</b>	Replacement Tubing. Available: per foot.	<b>3.93</b>
<b>3043-03</b>	Optional 14 Gauge blunt pipetting needle. 4" long. Type 304 stainless steel with chrome plated luer hub.	<b>25.80</b>
<b>3043-05</b>	Replacement o-rings and small springs (2 of each).	<b>25.07</b>
<b>3043-07</b>	Replacement large plunger spring for 3043-00	<b>16.64</b>





## PYREX® Reusable Glass Petri Dishes

Manufactured from flat, clear borosilicate glass with beaded rims to withstand repeated autoclaving, chemicals and heat. Beaded rims reduce the capillary action of condensed moisture on the sides by equally spacing the side walls of the bottom and cover. Glass Petri Dish covers are marked in blue enamel and the bottoms in white enamel to facilitate sorting. Bottoms also have triangular orientation mark for serial dilutions.

- Industry standard for quality and consistency
- Reusable to reduce lab waste
- Cover/Bottoms marked to facilitate sorting
- Individual Covers and Bottoms available at [weberscientific.com](http://weberscientific.com)

Item No.	Size	Unit of Measure	Your Cost
<b>CGW3160-101</b>	100 x 15 mm	Pack of 12	<b>93.62</b>
<b>CGW3160-102</b>	100 x 20 mm	Pack of 12	<b>75.48</b>
<b>CGW3160-60</b>	60 x 15 mm	Pack of 12	<b>112.55</b>
<b>CGW3160-152</b>	150 x 20 mm	Pack of 12	<b>191.41</b>
<b>CGW3160-150</b>	150 x 15 mm	Pack of 12	<b>478.14</b>



## Tissue Cell Culture Plates (CELLTREAT)

Manufactured under the most stringent conditions to assure the integrity of tissue and cell culture work. Class 100,000 clean room, USP class VI virgin polystyrene and ISO 9001:2000 quality management systems all contribute to the consistent tissue and cell culture performance of our products.

All plates are packaged in paper/plastic peel pouches that are designed to keep the plates in pristine condition during transit. The lot number is printed on each pouch. 96 well plates are now available with a round bottom, all other configurations are flat bottom.

Item No.	Product Description	Cell Growth Area	No. Wells	Packaging	Unit of Measure	Your Cost
<b>CEL229148</b>	TC Treated with Lid	0.84 cm <sup>2</sup>	48	Individual - 50/sleeve	Case of 100	<b>177.62</b>
<b>CEL229123</b>	TC Treated with Lid	1.93 cm <sup>2</sup>	24	Individual - 50/sleeve	Case of 50	<b>84.96</b>
<b>CEL229106</b>	TC Treated with Lid	9.6 cm <sup>2</sup>	6	Individual - 50/sleeve	Case of 100	<b>152.86</b>
<b>CEL229190</b>	TC Treated with Lid	0.33 cm <sup>2</sup>	96 Round Bottom	Individual - 50/sleeve	Case of 100	<b>193.22</b>

## BRAND® 96-Well Clear PCR Plates (BrandTech)

- Suitable for qPCR
- Manufactured without lubricants or chemical additive that can contaminate reagents and samples
- Autoclavable and RNase-, DNase-, and DNA-free
- Thin, uniform walls to ensure consistent, precise thermal transfer and excellent results
- Compatible with most major brands of thermal cyclers
- 96-well plates, packaged in 10 bags of 5 plates

ItemNo.	Description	UoM	Your Cost
<b>BRA781368</b>	Non-Skirted Standard Profile	Case of 50	<b>233.00</b>



## Cell Strainers (CELLTREAT)

Used for many applications including isolating cells and removing clumps or debris. Compatible with any 50mL centrifuge tubes. The polypropylene housing with nylon mesh filter eliminates the need to fabricate filters from gauze, paper, nylon mesh, or other materials. An extended grip and elongated lip on housing extends beyond the edge of the centrifuge tube enabling aseptic handling with forceps.

Item No.	Description	Unit of Measure	Your Cost
<b>CEL229482</b>	40µm Blue	Case of 50	<b>113.99</b>
<b>CEL229484</b>	70µm White	Case of 50	<b>113.99</b>
<b>CEL229485</b>	100µm Yellow	Case of 50	<b>79.57</b>
<b>CEL229480</b>	Pestle	Case of 50	<b>36.29</b>

Individually wrapped peel-to-open paper/plastic wrapper available at [weberscientific.com](http://weberscientific.com)

## 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.	Your Cost
3050-92	76.21

## 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	Your Cost
3050-60	5 3/4" X 4 1/4" X 11" 145 X 108 X 280 mm	53.70

## 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	Your Cost
3050-80	3/pk	70.32



## Disposable Petri Dish

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 20 sleeves/25 units each	case/500	1-9	88.56
				10-19	84.86
				20+	83.07
3050-21	100 X 15 mm (83 mm diameter)	Fully Stackable 20 sleeves/25 units each	case/500	1-9	84.03
				10-19	80.18
				20+	78.32
3050-10	100 X 15 mm (83 mm diameter)	Slippable 20 sleeves/ 25 units each	Case/500	1-9	89.52
				10-19	85.82
				20+	84.04
3050-11	100 X 15 mm (83 mm diameter)	I-plate (2 sections) Slippable 25 sleeves/ 20 units each	Case/500	1-9	107.98
				10+	102.13
3050-25	100 X 10 mm (83 mm diameter)	Space Saver Semi-Stackable 25 sleeves/ 30 units each	Case/750		138.66
3051-10	150 X 15 mm (136 mm diameter)	Slippable 10 sleeves/10 units each	case/100	1-15	77.04
				16+	70.26
3051-15	60 X 15 mm (54 mm diameter)	Fully Stackable 25 sleeves/20 units each	case/500	1-19	87.84
				20+	76.35





## 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)	<b>74.99</b>	
3093-25	42001	MRS	ambient	colorless		<b>96.37</b>	
3093-30	44001	Orange Serum	ambient	• yeast are shiny white • bacteria can be white • mold can be various		<b>85.65</b>	
3093-35	31001	Potato Dextrose, pH balanced (acidified)	ambient	• yeast are shiny white • molds have fuzzy surface in various colors		<b>87.11</b>	
3093-40	32001	Potato Dextrose w/Antibiotic, pH balanced (acidified)	freeze	same as above		<b>80.31</b>	
3093-55	11001	Standard Plate Count	ambient	colorless or white		<b>82.71</b>	
3093-60	12001	Standard Plate Count w/T-Salt	ambient	pink or red		<b>72.80</b>	
3093-65	21001	Violet Red Bile	ambient	pink to brick-red		<b>74.99</b>	
3093-95	RPD20	Extra petri dishes	ambient			pack/20	<b>16.50</b>
3093-96	TPD20	Extra petri dishes treated with T-Salt	ambient			pack/20	<b>14.61</b>

Perfect for high volume testing



## 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)	<b>138.86</b>
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	<b>20.81</b>

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

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

This media was developed and formulated to enhance maximum versatility with clarity, ease of use and interpretation. For normal test samples of many types, they will 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. Instructions specify a 24-hour incubation period. In actuality, most samples can be accurately read as early as 18 hours incubation time. Interpretation is as follows (the use of a 10X magnifier will facilitate accurate reading of results):

- E. coli colonies will appear as a dark blue color and may have a slight colored halo.
- Other Coliforms will appear as lighter blue-gray colored colonies generally, but may show variation toward purplish/pink depending upon the relative amounts of the various enzymes they produce.
- Salmonella spp. grow as light green colonies which darken with age. (They are indole negative).
- Aeromonas spp. grow as pink (sometimes very light pink) colonies. (They are oxidase positive).

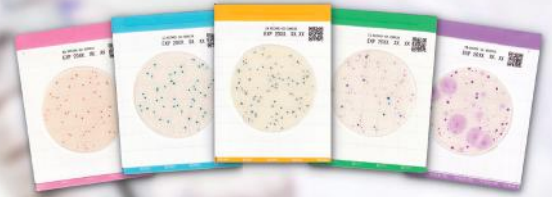
Item No.	Mfr. Item No.	Description	Qty	Your Cost
3093-75	26001	ECA Check	pack/50 test kits	<b>196.96</b>



## Easy Plate Prepared Media Plates

### Make Microbiological Testing of Food Easier

Save time and budget by making the switch to Easy Plate Prepared Media Plates, the convenient solution for faster and easier microbiological testing. Using a time-tested and AOAC validated culture media methodology, Easy Plate comes in a ready-to-use, space saving stackable film plate format that reduces waste, eliminates preparation time, and streamlines your test procedures. Each Easy Plate is specialized for a specific target organism or organism group with options for Aerobic Bacteria (AC), Coliforms (CC), *E. coli*/Coliforms (EC), *Staphylococcus aureus* (SA), Yeast and Mold (YM-R) and *Enterobacteriaceae* (EB).



#### SAVE TIME & SPACE

- No need for messy media preparation or sterilization.
- Faster sample inoculation without special equipment.
- Slim profile & stackable design makes Easy Plate easy to store and incubate.

#### SIMPLE OPERATION, RELIABLE RESULTS

- Test results correlate well with conventional plate method testing.
- Easy to operate with minimal training.
- AOAC Research Institute (AOACRI) Performance Test Methods (PTM) and MicroVal Certified.

#### REDUCES WASTE & INCUBATION SPACE

- Increase your incubation volume! Easy plates take up 1/20th of the space needed by a petri dish.
- Greenhouse gas emissions reduced compared to traditional agar plates.



**5300-50**  
**Aerobic Bacteria**  
Incubation:  
48 ± 2 hours  
at 35°C ±1°C



**5300-51**  
**Coliform**  
Incubation:  
24 ± 1 hours  
at 35°C ±1°C



**5300-52**  
***E. coli* / Coliform**  
Incubation Time:  
24 ± 1 hours  
at 35°C ±1°C



**5300-53**  
***Staphylococcus aureus***  
Incubation Time:  
24 ± 1 hours  
at 35 or 37°C ±1°C



**5300-54**  
**Yeast and Mold**  
Incubation Time:  
48 ± 2 hours  
at 25°C ±1°C



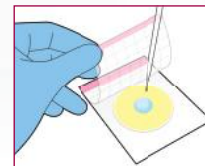
**5300-56**  
***Enterobacteriaceae***  
Incubation Time:  
24 ± 1 hours  
at 35 or 37°C ±1°C



Remove Easy Plate from package



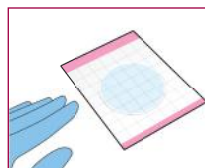
Lift uppermost film layer



Dispense 1 drop within the media ring



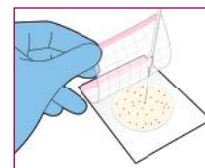
Close the film layer



Liquid will spread to fill the entire media ring - no spreader required



Incubate - times and temperatures vary



Bright, easy-to-ready colonies may be counted manually



#### Optional Step

Free Automated Colony Counting Software available (Requires scanner 5300-55)

Item No.	Target Microorganism	Mfr. Item No.	Product Description	Qty	Your Cost
5300-50	Aerobic Bacteria	61973	Easy Plate AC	Pack of 100	<b>64.29</b>
5300-51	Coliform	61974	Easy Plate CC	Pack of 100	<b>65.60</b>
5300-52	<i>E. coli</i> / Coliform	61975	Easy Plate EC	Pack of 100	<b>74.78</b>
5300-53	<i>Staphylococcus aureus</i>	61976	Easy Plate SA	Pack of 100	<b>104.96</b>
5300-54	Yeast and Mold	61977	Easy Plate YM-R	Pack of 100	<b>120.70</b>
5300-56	<i>Enterobacteriaceae</i>	61978	Easy Plate EB	Pack of 100	<b>76.79</b>
5300-55	Brother Industries Scanner Model ADS-4300N		Scanner for Use with Colony Counting System Software	Each	<b>549.20</b>

## Charm® Peel Plate® Microbial Tests

### Simplified Culture Method For Detecting Microorganisms

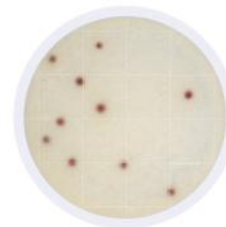
Charm Peel Plate Microbial Tests are simplified culture methods for detecting microorganisms. AOAC-RI recently granted performance tested method status to Charm Peel Plate AC, EC, CC, and YM tests. The Peel Plate EB Microbial Test received MicroVal certification harmonized with AOAC Official Method of Analysis First Action Status. The methods follow conventional microbiologic procedures for time and temperature of incubation. An air gap between the plate and cover allows colony picking and determination of microbial morphology. Peel Plate tests are for use in dairy products, ground meats, other foods, contact environmental surfaces, and water. There are 1 mL sample volume Peel Plate tests for aerobic bacteria (Peel Plate AC test), heterotrophic count (Peel Plate HET test) and Staphylococcus Aureus (Peel Plate SA test). There are 1 mL and 5 mL (High Volume) tests for coliform count (Peel Plate CC test), coliforms/E. coli (Peel Plate EC test), enterobacteriaceae (Peel Plate EB test), and yeast and mold (Peel Plate YM test). Each version of these tests contains non-selective or selective medium with color producing enzyme substrates to produce visual colonies.

The tests are prepared media in a shallow dish with an adhesive top. Just add the sample to the middle and it diffuses through the media and solidifies. Invert the test, stack multiple tests together (if appropriate), and incubate. The Peel Plate tests are intended for microbiological laboratories, but may also be used by food quality stakeholders such as farmers, milk processors, and water municipalities.



**Charm Peel Plate AC Microbial Test**

(Aerobic Count) use conventional standard plate count formulation with red producing TTC enzyme substrate. Aerobic bacteria produce red colonies.



**Charm Peel Plate CC Microbial Test**

(Coliform) use conventional EC media with color producing enzyme substrates and produce easy to interpret red colonies. **A Peel Plate CC Microbial Test for Cultured Dairy** is also available.

**High Volume** versions are available for 5 mL sample.

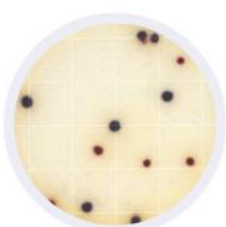


**Charm Peel Plate EB Microbial Test**

(Enterobacteriaceae) use conventional EC formulation and produces colored colonies.

**A Peel Plate EB Microbial Test for Cultured Dairy** is also available.

**High Volume** versions are available for 5 mL sample.



**Charm Peel Plate EC Microbial Test**

(E. coli and Coliform) use conventional EC media with color producing enzyme substrates.

Coliforms produce easy to interpret red colonies. Generic E.coli produce blue/purple colonies.

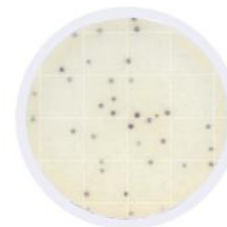
**A Peel Plate EB Microbial Test for Cultured Dairy** is also available.

**High Volume** versions are available for 5 mL sample.



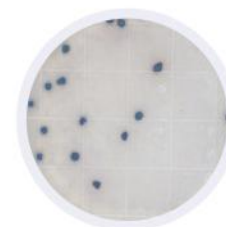
**Charm Peel Plate HET Microbial Test**

Nutrient-depleted media encourages the growth of heterotrophic (HET) organisms in water. Incubation at 25°C produces red growth spots within 5 to 7 days. Heterotrophic count uses conventional R2A formulation with red producing TTC enzyme substrate. Heterotrophic bacteria produce red colonies.



**Charm Peel Plate SA Microbial Test**

(Staphylococcus aureus) use conventional Baird Parker Agar formulation with dark purple producing enzyme substrate. Staphylococcus aureus produce purple colonies with white centers.



**Charm Peel Plate YM Microbial Test**

(Yeast and Mold) use conventional potato dextrose formulation and produces blue/green colonies.

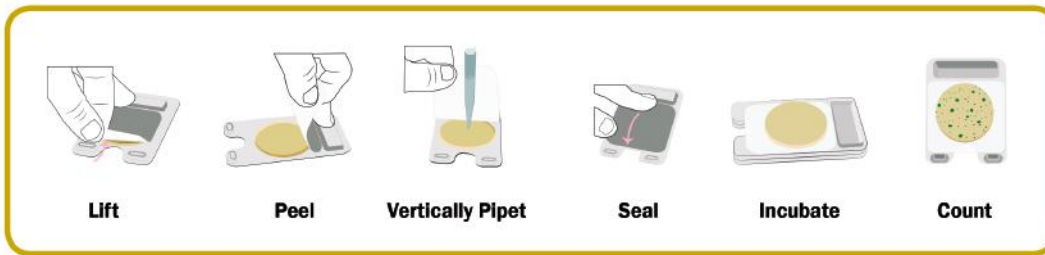
**High Volume** versions are available for 5 mL sample.

### Time and Incubation:

	AC	CC	EB	EC	HET	SA	YM
<b>Time</b>	48 ± 3 hr	24 ± 2 hr	24 to 48 hr	24 ± 2 hr	5 to 7 days	24 to 48 hr	3 to 5 days
<b>TEMPERATURE</b>							
<b>Dairy</b>	32 °C ± 1°	32 °C ± 1°	37 °C ± 1°	32 °C ± 1°	N/A	35 to 37 °C	25 °C ± 3°
<b>Water</b>	N/A	N/A	N/A	35 °C ± 1°	25 °C ± 3°	N/A	N/A
<b>Other Products</b>	35 °C ± 1°	35 °C ± 1°	37 °C ± 1°	35 °C ± 1°	25 °C ± 3°	35 to 37 °C	25 °C ± 3°



## 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

## Approvals

- AOAC-RI and PMO-NCIMS approval for Peel Plate EC, CC 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>.

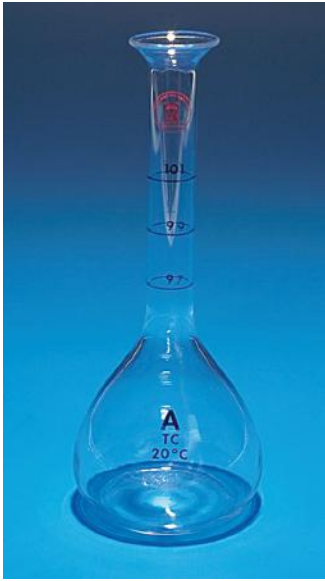
Included are:

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

Item No.	Mfr. Item No.	Description	Qty	Qty Break	Your Cost
4150-03	PP-AC	Aerobic Plate Count Peel Plate	Pack/100		81.21
4150-10	PP-EC	Coliform and E. Coli Peel Plate	Pack/100		102.81
4150-11	PP-ECHV	Coliform and E. Coli Peel Plate High Volume	Pack /25	1-3 4+	66.89 63.23
4150-42	PP-EC-CD	Coliform and E. Coli Cultured Dairy Peel Plate	Pack /50		102.74
4150-43	PP-EC-CD-HV	Coliform and E. Coli Cultured Dairy Peel Plate High Volume	Pack /25	1-3 4+	73.52 66.45
4150-12	PP-CC	Coliform Peel Plate	Pack/100		81.14
4150-13	PP-CCHV	Coliform Peel Plate High Volume	Pack/25	1-3 4+	49.61 46.78
4150-40	PP-CC-CD	Coliform Cultured Dairy Peel Plate	Pack /50		94.76
4150-41	PP-CC-CD-HV	Coliform Cultured Dairy Peel Plate High Volume	Pack/25		48.23
4150-16	PP-YM	Yeast and Mold Peel Plate	Pack/100		114.20
4150-17	PP-YMHV	Yeast and Mold Peel Plate High Volume	Pack/25	1-3 4+	59.99 56.48
4150-48	PP-SA	Staphylococcus aureus Peel Plate	Pack /50		132.19
4150-22	PP-EB	Enterobacteriaceae Peel Plate	Pack/100		102.73
4150-45	PP-EB-CD	Enterobacteriaceae Cultured Dairy Peel Plate	Pack /50		101.27
4150-46	PP-EB-CD-HV	Enterobacteriaceae Cultured Dairy Peel Plate High Volume	Pack/25	1-3 4+	65.67 63.00
4150-18	PP-HET-50	Heterotrophic (HET) Count Peel Plate	Pack /50		95.33
4150-50	PP-COLONY COUNTER	Colony Counter- Including wireless keyboard/touch pad (bar code and printer optional accessories)	Each		Ask for Quote



4150-50 Peel Plate Colony Counter



### 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	199.45

### 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	63.46



### 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	28.15



### 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	1.69
	50+	1.41

### 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 NELAP 4.1, Requirements for Laboratory Pure Water.



Item No.	Qty	Qty Break	Your Cost
4118-10	4 liter bottle	1-3 4+	16.28 13.57
4118-15	 20 liter Cubetainer	1 2+	32.90 29.23

### 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.



Item No.	Qty	Your Cost
3026-20	pack/12	59.82

### Save time by switching to Pre-Filled Dilution Bottles

Sterilized and ready to go whenever you need them. Weber DB™ Sterilized Pre-filled Dilution Bottles are trusted by labs everywhere with millions of bottles used year after year.

See more on pages 46 - 47



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

Break-resistant and repeatedly autoclavable. Unique feature: molded-in graduations at both 90 mL and 99 mL.

**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	Qty Break	Your Cost
3027-01	Wide Mouth	200 / 7	pack/12	1-3	<b>148.50</b>
				Multiples of 4	<b>116.17</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	Qty Break	Your Cost
3027-11	Wide Mouth	200 / 7	pack/12	1-3	<b>234.26</b>
				Multiples of 4	<b>185.41</b>
3027-15	Narrow Mouth	200 / 6.75	pack/12	1-3	<b>214.21</b>
				Multiples of 4	<b>199.26</b>



3027-01



3027-11

## 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	Qty Break	Your Cost
3026-00	etched graduation line at 99 mL	case/48	1-2	<b>545.32</b>
			3+	<b>511.24</b>
3026-05	without graduation line	case/48		<b>387.88</b>



3026-00



3027-26

## 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>134.55</b>
			Multiples of 4	<b>117.59</b>
3027-31	without graduation line	pack/12	1-3	<b>115.98</b>
			Multiples of 4	<b>102.34</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	Your Cost
3026-08	case/48	<b>285.87</b>



3026-08



## Weber DB™ Sterilized Pre-filled Dilution Bottles

**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!**

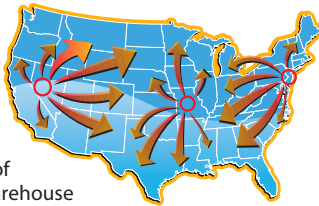
Every bottle is pre-filled to either 99 or 90 mL ±2 mL, buffered to pH 7.2 ±0.2, has an overall capacity of 150 mL, and is recyclable. Two formulations are available:

**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



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

Please let us know which DB product you would like to evaluate when making your request.



### 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

#### 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

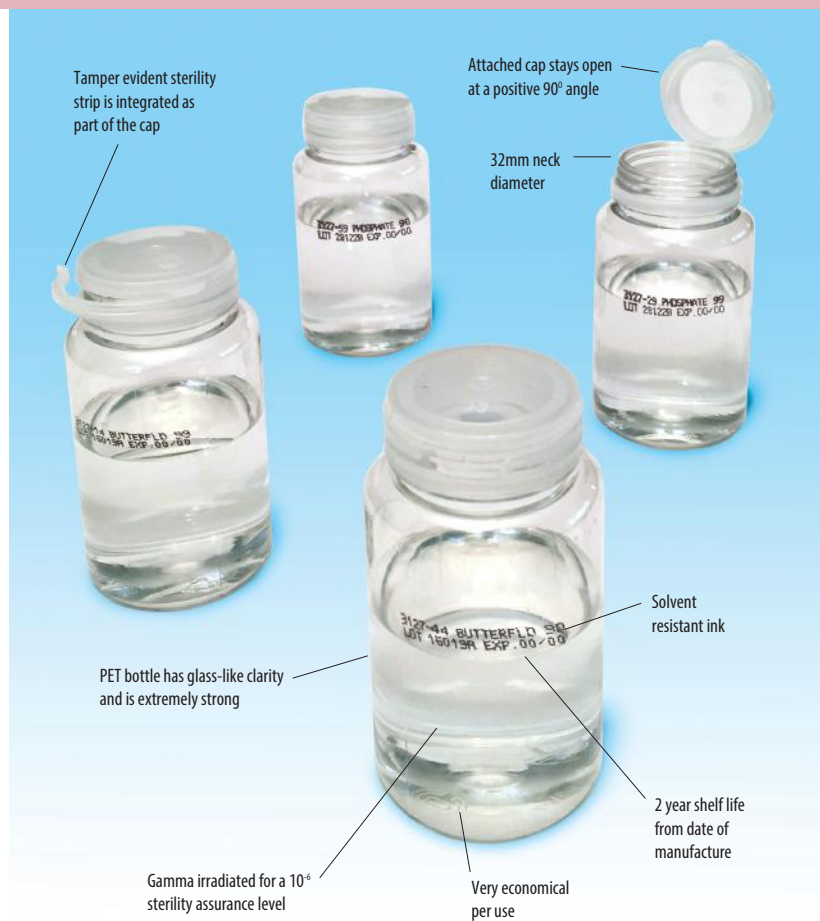
- convenient for liquid or solid samples

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

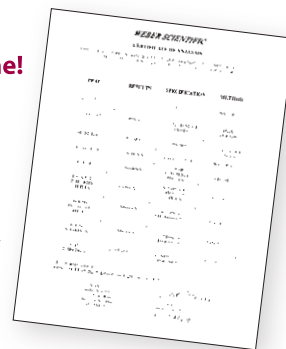
- no worry about expired product; no waste saves money



Weber DBs are strictly manufactured per *Standard Methods for the Examination of Dairy Products* and *Standard Methods for the Examination of Water and Wastewater*.



### 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.

To obtain a copy of the Certificate of Analysis (COA), have your lot number ready and go to [weberscientific.com/DB](http://weberscientific.com/DB)

Item No.	Formulation	Fill mL	Qty	Qty Break	Your Cost
3127-14	Butterfield's Buffer	99mL	case/72	1-11	<b>52.65</b>
				12-24	<b>45.56</b>
				25+	<b>43.71</b>
3127-44	Butterfield's Buffer	90mL	case/72	1-11	<b>52.65</b>
				12-24	<b>45.56</b>
				25+	<b>43.71</b>
3127-29	Phosphate Buffer	99mL	case/72	1-11	<b>52.65</b>
				12-24	<b>45.56</b>
				25+	<b>43.71</b>
3127-59	Phosphate Buffer	90mL	case/72	1-11	<b>52.65</b>
				12-24	<b>45.56</b>
				25+	<b>43.71</b>



### 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) to learn more.

### Pre-filled 9mL Dilution Tubes

Perfect for small volume samples

- Every tube is pre-filled to 9mL of Butterfield's Buffer pH 7.2 ± 0.2.
- Attached hinged-lid stays open for easy use.
- 2-year shelf life from date of manufacture.
- Recyclable
- Butterfield's Buffer for foods and dairy products (APHA, FDA, AOAC and USP).
- Comprehensive CoA supplies for every lot.
- Gamma radiated for a 10<sup>-6</sup> sterility assurance level.
- Smaller footprint, saves you space when working with smaller volume samples.





Item No.	Description	Qty	Your Cost
3127-09	Sterile 9mL Dilution Tube	Case/100	<b>74.91</b>

## Choose from 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.	Your Cost
<b>A-1 Medium</b> Determination of fecal coliforms in water and foods.	Difco	500 gram	218231	<b>3086-25</b>	<b>202.98</b>
	Alpha Biosciences	500 gram	A01-116	<b>3116-06</b>	<b>79.12</b>
<b>Anaerobic Agar</b> Cultivating anaerobic microorganisms.	Difco	500 gram	253610	<b>3095-03</b>	<b>380.89</b>
<b>APT Agar</b> Cultivation of Lactobacilli & other organisms requiring high thiamine content.	Alpha Biosciences	500 gram	A01-101	<b>3116-02</b>	<b>61.88</b>
	Alpha Biosciences	2 Kg	A01-101-2KG	<b>3116-01</b>	<b>181.37</b>
<b>Bacillus Cereus Agar</b>	Alpha Biosciences	500 gram	B02-101-500	<b>802-101-500</b>	<b>125.39</b>
<b>Bacteriological Agar</b>	Alpha Biosciences	500 gram	A01-102	<b>3116-12</b>	<b>107.97</b>
<b>Baird Parker Agar</b> Detection and enumeration of Staphylococci.	Alpha Biosciences	500 gram	B02-102	<b>3116-08</b>	<b>92.02</b>
	Alpha Biosciences	2 Kg	B02-102	<b>3116-09</b>	<b>341.32</b>
	Difco	500 gram	276840	<b>3095-15</b>	<b>490.94</b>
<b>Barney Miller Agar</b> For detection of beer spoilage organisms.	Alpha Biosciences	500 gram	B02-125	<b>3116-20</b>	<b>189.19</b>
	Alpha Biosciences	2 Kg	B02-125	<b>3116-21</b>	<b>642.11</b>
<b>Bile Esculin Azide Agar</b>	Alpha Biosciences	500 gram	B02-107-500	<b>802-107-500</b>	<b>130.68</b>
<b>Bismuth Sulfite Agar</b> For the isolation of <i>Salmonella</i> spp.	Alpha Biosciences	500 gram	B02-108	<b>802-108</b>	<b>79.57</b>
<b>Brain Heart Infusion Broth</b> Cultivation of fastidious microorganisms.	BBL	500 gram	211059	<b>3083-50</b>	<b>205.59</b>
	Alpha Biosciences	500 gram	B02-113-500	<b>802-113-500</b>	<b>60.45</b>
<b>Brilliant Green 2% Bile Broth</b> Isolation of coliform bacteria.	Difco	500 gram	274000	<b>3095-20</b>	<b>249.28</b>
<b>Buffered Peptone Water</b> Cultivation of non-fastidious microorganisms.	Alpha Biosciences	500 gram	B02-121	<b>3116-13</b>	<b>34.46</b>
	Alpha Biosciences	2 Kg	B02-121	<b>3116-14</b>	<b>123.48</b>
<b>Cetrimide Agar Base</b> used to selectively cultivate <i>Pseudomonas aeruginosa</i> .	Alpha Biosciences	500 gram	C03-107	<b>C03-107</b>	<b>77.10</b>
<b>Cyclohexamide Crystalline</b>  Ultra pure media antibiotic for inhibition of brewing yeast.	MP Biomedical	1 gram	0219452701	<b>3118-62</b>	<b>142.29</b>
<b>D/E Neutralizing Broth</b> Determining the bacteriological activity of disinfectants.	Difco	500 gram	281910	<b>3097-09</b>	<b>177.40</b>
	Alpha Biosciences	500 gram	D04-115	<b>3116-24</b>	<b>45.00</b>
<b>Dextrose, Anhydrous, ACS</b> Meets reagent specifications for testing USP/NF monographs.	BDH	500 gram	BDH9230-500G	<b>3097-04</b>	<b>78.89</b>
<b>EC Broth</b> Detection of coliform bacteria.	Alpha Biosciences	500 gram	E05-100	<b>3116-25</b>	<b>52.43</b>
	Difco	500 gram	231430	<b>3095-25</b>	<b>289.59</b>
<b>DRBC Agar</b> For the enumeration of viable yeasts & molds in products with high water activity.	Alpha Bioscience	500 gram	D04-114-500G	<b>D04-114-500G</b>	<b>85.37</b>
<b>EC Medium with MUG</b> Detection of <i>Escherichia coli</i> in water and food samples by fluorogenic means.	Criterion	500 gram	C5681	<b>3112-62</b>	<b>287.21</b>
<b>Egg Yolk Tellurite Solution</b>  For use in preparation of Baird Parker Agar Base.	BBL	6x100 mL	212357	<b>3079-04</b>	<b>575.06</b>
	Difco	6x100 mL	277910	<b>3095-30</b>	<b>520.08</b>
<b>Eosin Methylene Blue Agar (Levine)</b> Isolation and differentiation of gram-negative bacteria.	BBL	500 gram	211221	<b>3082-00</b>	<b>163.19</b>
<b>Fraser Broth Base</b> Selective enrichment and detection of <i>Listeria</i> . Use with Fraser Broth Supplement.	Difco	500 gram	211767	<b>3086-08</b>	<b>178.37</b>
<b>Fraser Broth Supplement</b> Use with Fraser Broth Base.	Difco	6 X 10 mL	211742	<b>3086-03</b>	<b>243.61</b>
<b>Gentian Violet Stock Solution</b> For use with Lin's Wild Yeast Differential Medium (LWYM)	Ricca	120 mL	3230-4	<b>3118-13</b>	<b>31.67</b>
<b>Hektoen Enteric Agar</b> Selective isolation of enteric pathogens.	Alpha Biosciences	500 gram	H08-102	<b>3116-30</b>	<b>125.74</b>
	Difco	500 gram	285340	<b>3095-35</b>	<b>350.70</b>



Description	Brand	Qty	Mfr Item No.	Weber Item No.	Your Cost
<b>HLP Medium (Hsu's Lactobacillus and Pediococcus Medium)</b> Allows for the detection of Lactobacillus and Pediococcus species, while restricting the growth of culture yeast.	Alpha Biosciences	500 gram		<b>3118-05</b>	<b>138.08</b>
	Siebel/Döhler	500 gram	9.23556.244	<b>3118-55</b>	<b>304.64</b>
<b>KF Streptococcal Agar</b> Selective cultivation and enumeration of fecal Streptococci.	Difco	500 gram	249610	<b>3097-90</b>	<b>247.90</b>
<b>Lactose Broth</b> Detection of bacteria in water.	Alpha Biosciences	500 gram	L12-105	<b>3116-84</b>	<b>47.78</b>
	Alpha Biosciences	2 Kg	L12-105	<b>3116-85</b>	<b>173.56</b>
	Criterion	500 gram	C5941	<b>3112-80</b>	<b>62.61</b>
<b>Lauryl Tryptose Broth (Sulfate)</b> Detection of coliform bacteria.	BBL	500 gram	211338	<b>3087-00</b>	<b>172.16</b>
	Alpha Biosciences	500 gram	L12-106	<b>3116-38</b>	<b>50.71</b>
	Alpha Biosciences	2 Kg	L12-106	<b>3116-39</b>	<b>184.70</b>
	Difco	500 gram	224150	<b>3097-06</b>	<b>184.56</b>
	Difco	2 Kg	224120	<b>3097-16</b>	<b>626.15</b>
	BBL	500 gram	211327	<b>3087-06</b>	<b>236.22</b>
<b>LBS Agar</b> Selective isolation and enumeration of Lactobacilli.					
<b>LCSM (Lin's Cupric Sulfate Medium)</b> For detection and quantification of <i>non-saccharomyces</i> wild yeast populations in brewing culture yeast.	Alpha Biosciences	500 gram		<b>3118-08</b>	<b>236.01</b>
	Siebel/Döhler	200 gram	9.23552.244	<b>3118-58</b>	<b>289.56</b>
<b>Letheen Broth, AOAC</b> Subculture medium for the neutralization of QAC in disinfectant testing.	Difco	500 gram	268110	<b>3094-60</b>	<b>555.97</b>
	Alpha Biosciences	500 gram	L12-109	<b>3116-41</b>	<b>64.80</b>
	Alpha Biosciences	2 Kg	L12-109	<b>3116-42</b>	<b>193.79</b>
<b>Listeria Enrichment Broth (LEB)</b> Selective enrichment for the isolation and cultivation of <i>Listeria monocytogenes</i> .	Alpha Biosciences	500 gram	L12-110	<b>3116-44</b>	<b>69.34</b>
	Alpha Biosciences	2 Kg	L12-110	<b>3116-45</b>	<b>242.58</b>
	Difco	500 gram	222220	<b>3095-40</b>	<b>136.45</b>
<b>LMDA (Lee's Multi-Differential Agar)</b> Used for the detection and enumeration of yeast and bacteria in the beer.	Alpha Biosciences	500 gram		<b>3118-17</b>	<b>115.51</b>
<b>LWYM (Lin's Wild Yeast Medium)</b> For detection and quantification of <i>saccharomyces</i> wild yeast populations in brewing culture yeast. Gentian Violet Stock Solution (3118-13) available separately.	Alpha Biosciences	500 gram		<b>3118-11</b>	<b>235.98</b>
<b>M17 Agar</b> Isolation of mesophilic lactic streptococci.	Difco	500 gram	218571	<b>3097-15</b>	<b>539.67</b>
<b>MacConkey Agar</b>	BBL	500 gram	211387	<b>3087-23</b>	<b>193.82</b>
	Alpha Biosciences	500 gram	M13-106	<b>3116-47</b>	<b>64.55</b>
	Alpha Biosciences	500 gram	M13-110	<b>3116-49</b>	<b>68.78</b>
<b>MacConkey Sorbital Agar</b> Isolation and differentiation of enteropathogenic <i>E. coli</i> serotypes.					
<b>Malt Extract Agar</b> Isolating, cultivating and enumerating yeasts and molds.	Difco	500 gram	211220	<b>3087-26</b>	<b>213.48</b>
	Alpha Biosciences	500 gram	M13-113	<b>3116-51</b>	<b>94.11</b>
<b>Mannitol Salt Agar</b> For isolating & differentiating pathogenic & non-pathogenic Staphylococci.	Alpha Biosciences	500 gram	M13-114-2000	<b>M13-114-2000</b>	<b>78.61</b>
<b>M-Endo Agar LES</b> Enumeration of coliforms by membrane filtration.	Difco	500 gram	273620	<b>3095-43</b>	<b>353.76</b>
<b>M-Endo Broth</b> Enumeration of coliforms by membrane filtration.	Difco	500 gram	274930	<b>3095-42</b>	<b>261.96</b>
<b>MRS Agar</b> Isolation and cultivation of Lactobacilli.	Difco	500 gram	288210	<b>3097-43</b>	<b>199.65</b>
	Alpha Biosciences	500 gram	L12-103	<b>3116-36</b>	<b>59.13</b>
<b>MRS Broth</b> Broth formulation of MRS Agar for cultivation of Lactobacilli.	Alpha Biosciences	500 gram	L12-104	<b>3116-33</b>	<b>53.10</b>
	Difco	500 gram	288130	<b>3095-45</b>	<b>173.53</b>
<b>Mycological Agar w/Low pH</b> Cultivation, isolation and identification of fungi.	BBL	500 gram	211450	<b>3087-45</b>	<b>234.68</b>
<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>	<b>77.00</b>
<b>Nutrient Agar</b> Cultivation of microorganisms.	Difco	500 gram	213000	<b>3095-48</b>	<b>227.85</b>
	Alpha Biosciences	500 gram	N14-100	<b>3116-53</b>	<b>71.92</b>



Description	Brand	Qty	Mfr Item No.	Weber Item No.	Your Cost
<b>Nutrient Broth</b> Cultivation of microorganisms.	Difco	500 gram	234000	<b>3097-77</b>	<b>250.76</b>
	Alpha Biosciences	500 gram	N14-103	<b>3116-56</b>	<b>60.05</b>
	Alpha Biosciences	2 Kg	N14-103	<b>3116-57</b>	<b>229.73</b>
<b>Nystatin</b> Fine powder. Antibiotic for brewing media.		5 gram	AAJ62486-06	<b>3118-70</b>	<b>152.61</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>	<b>272.36</b>
	Alpha Biosciences	500 gram	O15-101	<b>3116-59</b>	<b>62.98</b>
	Alpha Biosciences	2 Kg	O15-101	<b>3116-60</b>	<b>220.59</b>
<b>Oxford Antimicrobial Supplement, Modified</b> Colistin Sulfate, Moxalactam.	Difco	100 gram	211763 (6x10ML)	<b>3086-11</b>	<b>551.88</b>
<b>Oxford Medium Base</b> For the isolation of <i>L. monocytogenes</i> . Use with Oxford Antimicrobial Supplement.	Alpha Biosciences	500 gram	O15-102	<b>3116-62</b>	<b>125.46</b>
	Difco	500 gram	222530	<b>3086-15</b>	<b>296.71</b>
<b>Peptone, Powder</b> Organic nitrogen source in microbiological culture media for cultivation of a variety of bacteria and fungi	Weber Scientific	500 gram		<b>RPIP20240-5000</b>	<b>106.35</b>
<b>Phosphate Buffer, pH 7.2</b> Preparation of dilution blanks.	BBL	500 gram	211544	<b>3087-30</b>	<b>174.36</b>
	Alpha Biosciences	500 gram	P16-108	<b>3116-63</b>	<b>25.46</b>
<b>Phytone Yeast Extract Agar</b> Selective isolation of dermatophytes, particularly <i>Trichophyton verrucosum</i> , and other pathogenic fungi from routine clinical specimens.	BBL	500 gram	211546	<b>3087-36</b>	<b>216.05</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>	<b>42.23</b>
	Alpha Biosciences	2 Kg	P16-109	<b>3116-66</b>	<b>156.06</b>
	Difco	500 gram	213400	<b>3097-21</b>	<b>194.25</b>
	Difco	2 Kg	213200	<b>3097-24</b>	<b>777.42</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>	<b>57.34</b>
	Alpha Biosciences	2 Kg	P16-110	<b>3116-69</b>	<b>208.59</b>
	Difco	500 gram	219200	<b>3095-50</b>	<b>186.25</b>
	Difco	2 Kg	219100	<b>3095-55</b>	<b>666.82</b>
<b>R2A Agar</b> Low nutrient medium for enumeration and cultivation of bacteria from potable water. Selective enrichment of <i>Salmonella</i> from food, polluted water and other materials.	Difco	500 gram	218263	<b>3097-50</b>	<b>224.05</b>
	Alpha Biosciences	500 gram	R18-100	<b>3116-22</b>	<b>92.38</b>
<b>Reinforced Clostridial Medium</b> Nonselective cultivation and enumeration of Clostridia.	Difco	500 gram	218081	<b>3095-57</b>	<b>193.27</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>	<b>280.61</b>
<b>Sabouraud Dextrose Agar</b> Cultivation of pathogenic and nonpathogenic fungi, particularly dermatophytes.	Difco	500 gram	210950	<b>3095-60</b>	<b>129.39</b>
	Alpha Biosciences	500 gram	S19-100	<b>3116-82</b>	<b>35.21</b>
	Alpha Biosciences	2 Kg	S19-100	<b>3116-83</b>	<b>127.83</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>	<b>36.95</b>
<b>Selenite Cystine Broth</b>  Selective enrichment broth for detecting and identifying <i>Salmonella</i> in foods and dairy products.	Difco	500 gram	268740	<b>3095-63</b>	<b>426.09</b>
<b>Standard Methods Agar</b> (Plate Count Agar) For Standard Plate Count Method.	Criterion	500 gram	C6981	<b>3114-80</b>	<b>79.91</b>
	Criterion	2 Kg	C6982	<b>3114-90</b>	<b>287.08</b>
	Alpha Biosciences	500 gram	S19-113	<b>3116-31</b>	<b>64.19</b>
	Difco	500 gram	247940	<b>3097-11</b>	<b>158.03</b>
	Difco	2 Kg	247910	<b>3097-14</b>	<b>764.83</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>65.71</b>

Description	Brand	Qty	Mfr Item No.	Weber Item No.	Your Cost
<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>54.02</b>
		liter		<b>3081-15</b>	<b>88.17</b>
<b>Technical Agar</b> Cultivation of microorganisms.	Difco	500 gram	281230	<b>3097-95</b>	<b>206.41</b>
<b>Tetrathionate Broth Base</b> Selective liquid enrichment medium for use in the isolation of <i>Salmonella</i> .	Difco	500 gram	210430	<b>3095-70</b>	<b>101.07</b>
<b>Triple Sugar Iron (TSI) Agar</b> Differential medium for the presumptive identification of enteric bacteria.	Alpha Biosciences	500 gram	T20-107	<b>T20-107</b>	<b>53.54</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>	<b>305.08</b>
<b>Tryptic Soy Agar</b> Cultivation of microorganisms.	BBL	500 gram	211043	<b>3089-07</b>	<b>125.60</b>
	Alpha Biosciences	500 gram	T20-108	<b>3116-71</b>	<b>58.98</b>
	Alpha Biosciences	2 Kg	T20-108	<b>3116-72</b>	<b>226.64</b>
	Difco	500 gram	236950	<b>3095-75</b>	<b>124.16</b>
	Difco	2 Kg	236920	<b>3095-80</b>	<b>479.37</b>
	Difco	5 Lb	211046	<b>3089-10</b>	<b>712.17</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>	<b>83.14</b>
<b>Tryptic Soy Broth</b> Cultivation of microorganisms.	BBL	500 gram	211768	<b>3089-00</b>	<b>83.28</b>
	Alpha Biosciences	500 gram	T20-110	<b>3116-74</b>	<b>47.79</b>
	Alpha Biosciences	2 Kg	T20-110	<b>3116-75</b>	<b>184.33</b>
	Difco	500 gram	211825	<b>3095-85</b>	<b>105.51</b>
	Difco	2 Kg	211822	<b>3095-90</b>	<b>379.30</b>
	Difco	5 Lb	211771	<b>3089-04</b>	<b>444.16</b>
<b>Universal Beer Agar</b> Cultivation of microorganisms significant in the brewing industry	Difco	500 gram	285610	<b>3097-60</b>	<b>308.07</b>
	Alpha Biosciences	500 gram	U21-100	<b>3116-26</b>	<b>92.81</b>
	Alpha Biosciences	2 Kg	U21-100	<b>3116-27</b>	<b>354.10</b>
<b>Universal Pre-Enrichment Broth</b> Recover sub-lethally injured <i>Salmonella</i> and <i>Listeria</i> from foods.	Difco	500 gram	223510	<b>3097-75</b>	<b>132.34</b>
<b>UVM Modified Listeria Enrichment Broth</b> Selective enrichment for culturing <i>L. monocytogenes</i> .	Alpha Biosciences	500 gram	U21-103-500G	<b>3116-76</b>	<b>72.69</b>
	Alpha Biosciences	2 Kg	U21-103-2KG	<b>3116-77</b>	<b>272.50</b>
	Difco	500 gram	222330	<b>3097-70</b>	<b>182.08</b>
<b>Violet Red Bile Agar</b> Detection and enumeration of coliforms.	Alpha Biosciences	500 gram	V22-100	<b>3116-34</b>	<b>64.02</b>
	Alpha Biosciences	2 Kg	V22-100	<b>3116-35</b>	<b>235.90</b>
	Difco	500 gram	211695	<b>3097-81</b>	<b>161.82</b>
	Difco	2 Kg	211687	<b>3097-84</b>	<b>719.84</b>
<b>WL Differential Agar</b> For use in the <u>selective</u> isolation of bacteria encountered in brewing and industrial fermentations.	Criterion	500 gram	C7291	<b>3115-81</b>	<b>94.10</b>
<b>WLD Medium (Wallerstein Laboratories Differential Medium)</b> For selective isolation and enumeration of bacteria encountered in breweries and industrial fermentations.	Alpha Biosciences	500 gram		<b>3118-20</b>	<b>48.60</b>
<b>WL Nutrient Agar (WLN Medium)</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>	<b>33.83</b>
	Alpha Biosciences	2 Kg	W23-102	<b>3116-29</b>	<b>122.98</b>
<b>Wort Agar</b> Cultivation and enumeration of yeasts	Difco	500 gram	211671	<b>3097-85</b>	<b>317.90</b>
<b>Vogel &amp; Johnson Agar</b> Detection of coagulase-positive and mannitol-positive <i>Staphylococcus aureus</i> .	Difco	500 gram	256220	<b>3078-55</b>	<b>290.34</b>
<b>XLD Agar</b>	Alpha Biosciences	500 gram	X24-101	<b>3116-80</b>	<b>99.40</b>
<b>Xylose Lysine Desoxycholate Agar</b> For isolation and differentiation of <i>Shigella</i> .	Difco	500 gram	278850	<b>3095-95</b>	<b>246.57</b>
<b>Yeast Extract</b> Provides a maximum of nutrients for bacterial growth.	Alpha Biosciences	500 gram	Y25-101	<b>3116-81</b>	<b>41.68</b>





## 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.

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

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

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

### 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

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>169.27</b>
<b>3118-76</b>	2.04710.782	NBB-B Glass Bottles	9 x 250 mL	<b>167.54</b>
<b>3118-77</b>	2.04723.646	NBB-B Glass Tubes	20 x 10 mL	<b>72.45</b>
<b>3118-78</b>	2.04711.782	NBB-C Glass Bottles	9 x 250 mL	<b>180.00</b>
<b>3118-79</b>	2.04716.462	NBB-P Powder, Bagged	300 gram	<b>230.51</b>
<b>3118-80</b>	7.85420.782	NBB-PCR Glass Bottles	9 x 250 mL	<b>192.74</b>
<b>3118-81</b>	2.11753.244	Brewers QCCheck® Kit		<b>219.03</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>179.89</b>
<b>3118-83</b>	2.04706.646	NBB-B-Am Glass Tubes	20 x 10 mL	<b>72.44</b>



Available in bottles or tubes.

## BBL® Prepared Media (BD Diagnostics)

Item No.	Description	Your Cost
<b>3096-09</b>	Potato Dextrose Agar 500mL Bottle - 10/pk	<b>390.20</b>
<b>3096-16</b>	Standard Methods Agar 200mL Bottle - 10/pk	<b>300.28</b>
<b>3096-20</b>	Standard Methods Agar 500mL Bottle - 10/pk	<b>580.81</b>
<b>3096-52</b>	Standard Methods Agar 20mL Pour Tube - 10/pk	<b>55.84</b>
<b>3096-62</b>	BBL™ Coagulase Plasma, Rabbit, with EDTA 15mL Tube, 10/pk	<b>765.84</b>



## HYCON Agar Strips

For use with the discontinued RCS Air Sampler



For complete validation of the system according to ISO 14698. Store agar strips at 2-25°C. Drop-ship from mfr. only.

Item No.	Description	Qty	Your Cost
<b>4140-40</b>	TC - Tryptic Soy Agar	50 strips	<b>246.58</b>
<b>4140-41</b>	TSM - Modified Tryptic Soy Agar	50 strips	<b>206.24</b>
<b>4140-42</b>	YM - Rose Bengal Agar	50 strips	<b>219.37</b>
<b>4140-43</b>	SDX - Sabouraud Dextrose Agar	50 strips	<b>297.11</b>
<b>4140-44</b>	Dichloran Glycerine Agar	25 strips	<b>158.68</b>
<b>4140-47</b>	HYCON Blank Strip Kit	50 strips	<b>147.99</b>
<b>4140-70</b>	HYCON Cover Slides	100 slides	<b>46.27</b>

## Prepared Plated and Tube Culture Media



### Convenient and ready for immediate use

Available in the following pre-plated medium types: tryptic soy agar, tryptic soy agar with 5% sheep blood, and MacConkey Agar. Media containing dyes should be protected from the light. The ideal range of storage temperatures for pre-plated media is 2-8°C.

As noted, tryptic soy agar can be purchased with or without blood enrichment. This general growth media is used to isolate fastidious microorganisms.

MacConkey Agar is used to inhibit Gram positive bacteria through the use of a bile salts mixture and crystal violet. The agar formulation allows for the isolation, differentiation, and enumeration of MacConkey Enterobacteriaceae and other Gram negative bacteria.

Weber Scientific also offers pre-prepared tryptic soy broth tubes. Tryptic soy broth includes casein peptone and soy peptone. This enhances the growth of a wide variety of organisms without the addition of blood or serum. Both fastidious and non-fastidious organisms can be grown in tryptic soy broth. Tube Medium is ideal for prolonged incubation.



Item No.	Description	Style	Unit of Measure	Your Cost
<b>CMECM100-P25</b>	Tryptic Soy Agar	100 x 10mm Plated	Pack of 10	<b>13.12</b>
<b>CMECM100P255SB</b>	Tryptic Soy Agar with 5% Sheep Blood	100 x 10mm Plated	Pack of 10	<b>25.06</b>
<b>CMECM102-P25</b>	MacConkey Agar	100 x 10mm Plated	Pack of 10	<b>13.12</b>
<b>CM1694T-52020</b>	Tryptic Soy Broth	16.5 x 102mm Pour Tube with 5mL liquid	Pack of 20	<b>39.43</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.

(Drop-ship from mfr. only)



Item No.	Mfr. Item No.	Description	Qty	Your Cost
<b>3098-50</b>	260678	GasPak EZ Anaerobe Container System Sachets	pack/20	<b>106.73</b>
<b>3098-51</b>	260001	GasPak EZ Anaerobe Container System Sachets w/Indicator	pack/20	<b>142.94</b>
<b>3098-52</b>	260683	GasPak EZ Anaerobe Pouch System	pack/20	<b>138.75</b>
<b>3098-53</b>	260680	GasPak EZ Campy Container System Sachets	pack/20	<b>106.56</b>
<b>3098-54</b>	260685	GasPak EZ CampyPouch™ System	pack/20	<b>136.56</b>
<b>3098-55</b>	260679	GasPak EZ CO <sub>2</sub> Container System Sachets	pack/20	<b>99.62</b>
<b>3098-56</b>	260684	GasPak EZ CO <sub>2</sub> Pouch System	pack/20	<b>128.75</b>
<b>3098-59</b>	271051	GasPak Dry Anaerobe Indicator Strips	pack/100	<b>151.01</b>
<b>3098-57</b>	260672	GasPak EZ Large Incubation Container	each	<b>204.44</b>
<b>3098-63</b>	260674	GasPak EZ Large Incubation Rack	each	<b>175.57</b>
<b>3098-58</b>	260671	GasPak EZ Standard Incubation Container	each	<b>222.09</b>
<b>3098-62</b>	260673	GasPak EZ Standard Incubation Rack	each	<b>153.12</b>
<b>3098-60</b>	260002	GasPak EZ Small Incubation Container	each	<b>151.07</b>
<b>3098-61</b>	260003	GasPak EZ Small Incubation Rack	each	<b>135.18</b>

800-328-8378

### ACCESSORIES: CULTURE MEDIA



Water Baths see page 20 .

BACTERIOLOGICAL TESTING



## Air Sampler (Microbiologique)

The Air Sampler draws a measured volume of air through the device which contains culture media in petri dishes. Any microorganisms in the air embed themselves in the media. The petri dishes are incubated and any organisms impacted on the plate form colonies. The bacteria or fungi are enumerated based on how many colonies form, combined with the volume of air sampled, and identified by appropriate methods such as colony morphology, PCR or polyphasic Microbial ID.

- Standard size petri dish (available separately)
- Your choice of culture media (available separately)
- Rechargeable battery
- Adjustable sampling time
- Calibrated dial
- Flow rate 100 L/min
- Compressed air sampling attachment and calibration services available

Item No.	Mfr. Item No.	Description	Your Cost
<b>4140-90</b>	DCW0110	Air Sampler	<b>856.33</b>
<b>4140-91</b>	DCW0111	Compressed Air Attachment	<b>114.17</b>
<b>4140-93</b>		Calibration Services	<b>93.75</b>

## 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/propelling 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.



## MAS-100 ECO Portable Air Sampler (EMD Millipore)

A small, lightweight, NiMH battery operated sieve impaction system based on Anderson impaction to count airborne microorganisms. It is used for microbiological air monitoring in the hygienic production of food and cosmetics, as well as in the maintenance of ventilation and air-conditioning systems (HVAC). As an open system, the MAS-100 Eco sampler works with a wide variety of agar media in 90 mm Petri dishes, as well as other plate formats.

Air is aspirated through a perforated lid by a radial fan, controlled by a flow sense, that accurately regulates air flow in real time at the specified flow rate. The air is impacted on the surface of growth medium in a 90mm Petri dish. The MAS-100 ECO complies with the guidelines specified by ISO 14698 and EN 17141. The state-of-the-art mass flow sensor continuously ensures a constant air flow rate at a standard 100 liters per minute. Mass flow sensors allow samplers to automatically adjust for differences in the fill volume of Petri dishes, changes in air density, and differences between individual perforated lids. The instrument is delivered with a calibration certificate from an ISO 17025 accredited laboratory.

- Easy cleaning with industry standard disinfectant
- Compatible with different nutrient plates, e.g. ready-to-use 90 mm standard plates
- Active volume flow control
- Easy exchange of rechargeable NiMH batteries

Item No.	Description	Your Cost
<b>4140-85</b>	MAS-100 ECO Portable Air Sampler	<b>8,946.66</b>

### CAMTU 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 are 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>1,682.47</b>
❄️ <b>4140-58</b>	C01-0143	Tryptic-soy agar (TSA) Pre-filled Plates	Pk/5	<b>76.17</b>
❄️ <b>4140-59</b>	C01-0134	Potato Dextrose Agar (PDA) Pre-filled Plates	Pk/5	<b>71.93</b>
<b>4140-60</b>	C01-0133	Unfilled petri dishes for CAMTU	Pk/5	<b>29.92</b>
<b>4140-52</b>	C01-0142	CAMTU Replacement Assembly	Each	<b>1,090.66</b>
<b>4140-53</b>	C01-0139	CAMTU Replacement Integral Timer	Each	<b>119.51</b>
<b>4140-54</b>	C01-0124	CAMTU Replacement Spray Bottle	Each	<b>56.81</b>
<b>4140-55</b>	C01-0125	CAMTU Replacement Regulator Assembly	Each	<b>590.17</b>
<b>4140-57</b>	C01-0126	CAMTU Replacement Shut-off Valve	Each	<b>61.20</b>
<b>4140-62</b>	C02-2418	CAMTU Replacement DFU	Each	<b>129.64</b>



## 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.



## Unitech Enzymatic Reagent Test Kits for Wine & Cider

Test kits available at [weberscientific.com](http://weberscientific.com) for:

- Acetic Acid
- D-Fructose
- L-Malic Acid
- Ammonia
- Free Sulfites
- Total Sulfites
- D-Glucose
- Primary Amino Nitrogen

Item No.	Description	Qty	Your Cost
3048-12	Hemocytometer with standard lines	each	213.20
3048-11	Hemocytometer with bright lines	each	168.39

## Hemocytometer Glass Cover Slips

Hemocytometer cover glasses are used to cover specimens in counting chambers. The cover glass is placed on the outer supports and, due to their flatness, adheres very well. Thus, it forms an exact capillary gap defining the volume of the cell suspension over the counting grid.

- Made of special optical glass
- Ground and polished edges

Item No.	Size, mm	Thickness	Qty	Your Cost
3048-13	20 x 26	0.4 mm	pack/10	45.68

## Isooctane ACS Grade

For use with the spectrophotometric method for measuring bitterness in beer.

Item No.	Size	Your Cost
3047-01	19 L Steel Can	954.12

## Methylene Blue 1% Stain

Widely used for many general staining procedures.

Item No.	Size	Your Cost
3047-03	500 mL	42.96



## Discover why Weber is a favorite supplier to the brewing industry.

Weber Scientific offers a full line of supplies and equipment for the brewing industry, including hydrometers, densitometers, spoilage test kits, culture media, beer flavor standards and more.

Find many more specialized products by browsing our extensive online buyer's guide.

See more at [weberscientific.com/beer](http://weberscientific.com/beer)



## 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 available on 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	24.62
3048-06	Alcohol Hydrometer	23.62



## Brix Hydrometer

Standardized at 17.5°C (63.5°F)

- Brix 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 8.0°	0.1°	12"	27.39
3048-08	8.0 to 16.0°	0.1°	11"	27.39
3048-09	16.0 to 24.0°	0.1°	18"	27.39



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. 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. HAZMAT orders are exempted from our 1-2-3 Day Delivery Program.

## Acetone, ACS GRADE

A common chemical intended for general lab research.

Item No.	Qty	Your Cost
AQUAC4800-P	500mL	51.31
AQUAC4800-Q	1L	75.55
AQUAC4800-G	4L	103.69

## Alcohol, Butanol, Neutralized (Butyl Alcohol) ACS GRADE

pH range of 6.8 to 7.2. Reagent for dairy testing and for numerous laboratory procedures.

Item No.	Qty	Your Cost
4060-00	quart	28.09
4060-01	gallon	71.91

## Alcohol, Denatured (Ethyl Alcohol, Ethanol) ACS GRADE

Specially denatured formula #3-A. Contains 5% methanol for denaturing. Reagent for numerous laboratory procedures. Conforms to APHA *Standard Methods for the Examination of Dairy Products*, current edition.

Item No.	Qty	Qty Break	Your Cost
4109-00	4 liter	1-3	57.36
		Multi. of 4	49.45

## Alcohol, Iso Amyl, For Gerber Test

Conforms to APHA *Standard Methods for the Examination of Dairy Products*.

Item No.	Qty	Your Cost
1086-00	gallon	158.01
1087-00	quart	61.92

## Alcohol, Isopropyl (2 Propanol)

Reagent for numerous laboratory procedures.

Item No.	Qty	Qty Break	Your Cost
4113-00	4 liter	1-3	75.44
ACS Grade		Multi. of 4	66.03
4113-06	55 gal.		808.21

## Alcohol, Isopropyl, 70% v/v (2 Propanol)

Reagent for numerous laboratory procedures. Widely used for effective disinfection.

Item No.	Qty	Qty Break	Your Cost
4113-20	4 liter	1-3	87.54
ACS Grade		4+	73.89
4113-25	20 liter		214.97
4113-26	55 gal.		836.00

## Alcohol, Methanol (Methyl Alcohol) ACS GRADE

≥99.8%. Reagent for numerous laboratory procedures.

Item No.	Qty	Your Cost
4061-00	1 liter	13.46
4061-01	4 liter	29.11

## Ammonium Hydroxide ACS GRADE

28-30%. Reagent for numerous laboratory procedures. Conforms to APHA *Standard Methods for the Examination of Dairy Products*, current edition.

Item No.	Qty	Qty Break	Your Cost
4105-00	gallon	1-3	58.20
		Multi. of 4	43.61

## Benzalkonium Chloride Solution, 50% NF – NATIONAL FORMULARY GRADE

Same as Roccal® II.

Item No.	Qty	Your Cost
3003-42	500 ml.	338.79

## Dextrose, Anhydrous ACS GRADE

Meets reagent specifications for testing USP/NF monographs.

Item No.	Qty	Your Cost
3097-04	500 gram	78.89

## Ether, Ethyl ACS GRADE

Anhydrous, absolute. Peroxide free. Reagent for numerous laboratory procedures. Conforms to APHA *Standard Methods for the Examination of Dairy Products*, current edition.

Item No.	Qty	Qty Break	Your Cost
4101-00	quart	1-5	45.19
		Multi. of 6	33.83

## Ether, Petroleum ACS GRADE, 35-60° C

Boiling range of 35 to 60° C. Reagent for numerous laboratory procedures. Conforms to APHA *Standard Methods for the Examination of Dairy Products*, current edition.

Item No.	Qty	Qty Break	Your Cost
4103-00	quart	1-5	58.27
		Multi. of 6	52.98

## L-W Stain. Levowitz-Weber Modification of Newman-Lambert Stain #2

Item No.	Qty	Formulation	Your Cost
2001-00	quart	L-W xylene	77.39
2001-05	quart	L-W tetrachloroethane	157.90
2001-20	quart	Canadian/xylene	88.07
2001-25	quart	Canadian/tetrachloroethane	173.30
2002-00	pint	L-W xylene	51.41
2002-05	pint	L-W tetrachloroethane	85.25
2002-20	pint	Canadian/xylene	53.47
2002-25	pint	Canadian/tetrachloroethane	100.43

## 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	46.15

## Hydrochloric Acid, 3.0N (3.0M)

Item No.	Qty	Your Cost
4118-50	500 mL	30.21
4118-52	1 Liter	43.17

## 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	954.12

## Magnesium Chloride ACS GRADE

VC= crystals. 500 gram

Item No.	Your Cost
4129-00	120.76

## Methylene Blue 1% Stain

Widely used for many general staining procedures.

Item No.	Size	Your Cost
3047-03	500 mL	42.96

## Phenolphthalein, 1% Indicator

Item No.	Qty	Your Cost
3008-00	500 mL	15.91
3008-02	2 oz. dropper bottle	10.74

## Potassium Hydroxide Solution, 0.02N in Methanol

Certified against NIST traceable standards. For Acid Degree Value.

Item No.	Size	Your Cost
4129-60	liter	86.52

## Propylene Glycol

Laboratory grade.

Item No.	Qty	Qty Break	Your Cost
1090-00	gallon	1-3	68.18
		4+	51.14

## Silver Nitrate 0.1N

Certified against NIST traceable standards.

Item No.	Qty	Your Cost
4129-10	20L cube	734.65

## Red Scarlet Moo Dye

Applicable on Polyamides and other coloration. Acid Red 73

Item No.	Size	Your Cost
2004-40	1 gallon	59.92

## Sodium Bicarbonate ACS GRADE

500 grams / 1.1 lbs. Powder.

Item No.	Your Cost
3006-80	33.28

## Sodium Chloride Crystals ACS GRADE

Item No.	Qty	Your Cost
4129-15	500 gram	26.04
4129-16	2.5 kg	80.29

## Sodium Citrate ACS GRADE

Item No.	Qty	Your Cost
4130-15	3 kg	257.29

## Sodium Hydroxide, 0.3125N

Certified against NIST traceable standards. 0.3125 Normal NaOH solution.

Item No.	Qty	Your Cost
3006-50	4 liter	96.72

## Sodium Hydroxide, 1N

Certified against NIST traceable standards.

1.0 Normal NaOH solution.

Item No.	Qty	Your Cost
3006-27	120 mL	21.90
3006-28	500 mL	32.58
3006-30	liter	44.44
3006-32	4 liter	88.88
3006-36	20 liter	99.66

## Sodium Hydroxide, 0.100N

Certified against NIST traceable standards. 0.100 Normal NaOH. Mol. Wt. 40.01. For acidity titratable.

Item No.	Qty	Qty Break	Your Cost
3006-00	4 liter	1-3	42.25
		4+	38.48
3006-02	4 liter cubepack		85.93
3006-04	20L Cubetainer		174.97

## Sodium Hypochlorite, 2.5% w/w

Compendial reagent meets APHA Standards.

Item No.	Qty	Your Cost
3006-40	4 liter	108.63

## Sodium Thiosulfate, 0.100N

Certified against NIST traceable standards.

For water testing.

Item No.	Size	Your Cost
4129-20	10 liter	110.64

## Sulfuric Acid, Babcock Test, Milk

Conforms to APHA, *Standard Methods for the Examination of Dairy Products*.

Item No.	Qty	Qty Break	Your Cost
3004-00	gallon	1-3	63.07
		4+	53.62

## Sulfuric Acid, 0.1N ASTM 200-91. AOAC 890-01.

Volumetric solution.

Item No.	Qty	Your Cost
4125-01	4 Liter	139.72

## 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	63.97

## Sulfuric Acid, Babcock Test, Pennsylvania Modification

Specific gravity certified to be 1.720 - 1.740.

Item No.	Qty	Your Cost
3004-30	gallon	68.91

## 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	77.21

## Sulfuric Acid, Gerber Test, Milk

Conforms to APHA, *Standard Methods for the Examination of Dairy Products*.

Item No.	Qty	Your Cost
1082-00	gallon	54.36

## 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 ± 0.005 g/mL at 20°C.

Item No.	Size	Your Cost
1082-50	gallon	129.25

## Sulfuric Acid Standardettes

Certified against NIST traceable standards.

For standardizing 0.02N base 39.98 mL in each ampoule.

Item No.	Qty	Your Cost
4125-20	pack/12	79.08

## Tartaric Acid, 99%

To adjust pH of Potato Dextrose Agar.

Item No.	Qty	Your Cost
3081-07	1 lb.	65.71

## 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	54.02
3081-15	liter	88.17

## Triton X-100, Octyl Phenol Ethoxylate

Versatile nonionic surfactant recognized for wetting and emulsification performance.

Item No.	Qty	Your Cost
EM-9440	4 liter	434.56

## Water, Deionized ACS GRADE

High purity and certified to meet exacting specifications according to *Standard Methods for the Examination of Dairy Products*, current 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	1-3	16.28
		bottle	4+
4118-15	20 liter	1	32.90
4118-15	cubetainer	2+	29.23

## Xylene, 97%+

For laboratory cleaning procedures.

Item No.	Qty	Your Cost
4117-00	pint	69.07

### ACCESSORIES: FOR CHEMICALS



Safety Supplies see pages 125 - 130.  
Wash Bottles see pages 82 - 83.





### Cryogenic Vials (Heathrow Scientific)

Sterile, non-pyrogenic, and non-cytotoxic vials. Externally threaded & 12mm diameter with an innovative design to increase freezer space by 23% compared to standard externally threaded cryogenic vials.

Extra-thick walls for puncture and rupture protection. Features an imprinted writing area, graduation marks, silicone rubber seal ring, and self-standing base. A distinctive lid opens easily with gloved fingers and is available in assorted colors, reducing the need for tags or coders.

Item No.	Capacity	Cap Color	UoM	Your Cost
HEA23202N	2.0 mL	Natural	Case of 500	<b>219.48</b>
HEA23202A	2.0 mL	Assorted	Case of 500	<b>232.40</b>



### Cryogenic Vial Canes & PVC Sleeves

Protect cryogenic vials during freezer storage and immersion in liquid nitrogen Dewar flasks. Cane fits all major brands of cryogenic vials up to 2mL. Holds up to 5 vials. For added protection during handling and storage and keep vials from popping out, we recommend a PVC Sleeve.

Item No.	Description	UoM	Your Cost
HEA23205	5-Place Aluminum Cane	Pack of 12	<b>21.42</b>
HEA23210	PVC CryoCane Sleeves	Pack of 100	<b>67.82</b>



### Cardboard Vial Boxes & Partitions

Ideal for storing cryogenic vials in liquid nitrogen or in mechanical freezers.

Boxes are compatible with most LN2 and mechanical square or upright storage racks and can withstand temperatures to -80°C. Boxes have a footprint of 133 x 133 mm (5 1/4 x 5 1/4"), come with lids, and have an imprinted label for box identification. Boxes

also have drain holes to vent LN2 and help eliminate condensation. Select a box and a partition that fit the size and number of vials for your needs.

Colored cardboard boxes are ideal for identification and sorting purposes; assortment pack includes four each of red, yellow, and blue boxes.

Partitions are not included with boxes and must be ordered separately.

Item No.	Description	UoM	Your Cost
<b>Boxes</b>			
HEA2860A	2" Vial Box with Lid, White	Pack of 12	<b>35.77</b>
HEA2860CR	2" Vial Box with Lid, Red	Pack of 12	<b>38.00</b>
HEA2860C	2" Vial Box with Lid, Assorted	Pack of 12	<b>38.00</b>
HEA2860B	3" Vial Box with Lid	Pack of 12	<b>38.75</b>
<b>Partitions</b>			
HEA2860E	100-Cell (10x10) - 12 mm vials	Pack of 12	<b>29.24</b>
HEA2860H	81-Cell (9x9) - 13 mm vials	Pack of 12	<b>29.24</b>
HEA2860F	64-Cell (8x8) - 14 mm vials	Pack of 12	<b>27.80</b>
HEA2860G	49-Cell (7x7) - 16 mm vials	Pack of 12	<b>27.80</b>



### CRYO-GLOVES® (Tempshield™)

Protect your hands and arms when working in hazardous, ultra-cold environments. The innovative design offers superior thermal protection, while allowing for a maximum level of flexibility and dexterity—an essential feature when function is important and safety is critical.

Made from state-of-the-art fabrics, Tempshield Cryo-Gloves use a flexible, multi-layered insulated construction that provides maximum thermal protection, yet offers comfort, flexibility, and dexterity so you can perform tasks effectively and safely. High performance, thermal inner lining wicks moisture away from hands, maintaining comfort over extended periods.

Below are our most popular Mid-Arm length options. Also available in Wrist, Elbow, and Shoulder lengths, see more at [weberscientific.com](http://weberscientific.com).

Item No.	Length	Color	Size	UoM	Your Cost
TPSMAS	Mid-Arm	Blue	Small	1 Pair	<b>141.76</b>
TPSMAM	Mid-Arm	Blue	Medium	1 Pair	<b>167.20</b>
TPSMAL	Mid-Arm	Blue	Large	1 Pair	<b>167.20</b>
TPSMAXL	Mid-Arm	Blue	X Large	1 Pair	<b>141.76</b>
TPSMAXXL	Mid-Arm	Blue	2X Large	1 Pair	<b>187.27</b>
TPSMA3XL	Mid-Arm	Blue	3X Large	1 Pair	<b>215.95</b>



### "Mr. Frosty" Freezing Containers (Nalgene)

Provides the critical, repeatable -1°C/minute cooling rate required for successful cell cryopreservation and recovery. The polycarbonate container with screw lid, foam liner and rigid polyethylene vial holder requires only 100% isopropyl alcohol and a mechanical freezer for cooling. A foam insert keeps vials from contacting the alcohol and can be floated in a water bath during thawing. Molded numbers on the containers identify vials.

Item No.	No. Vials Held	UoM	Your Cost
NAL5100-0001	Holds 18 1.2-2.0 mL vials	Case of 1	<b>163.63</b>



### Shatterproof Dewar Flasks (Nalgene)

Used for short-term storage of ice water, dry ice-solvent and liquid nitrogen. Made of a high-density polyethylene, the Chemical-resistant HDPE double walls are filled with CFC-free urethane foam and are meant for extreme temperature incubation, withstanding temperatures from -196°C to 100°C.

Safety procedures and guidelines are available in the Nalgene Cryopreservation Manual, which includes vital handling and disposal procedures.

Item No.	Capacity	HxID	Inner Depth	UoM	Your Cost
NAL4150-2000	2L	260 x 121mm	225mm	Case of 1	<b>324.59</b>

Additional sizes available at [weberscientific.com](http://weberscientific.com)

**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**

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, cheese, yogurt and ice-cream recipes.



3072-61



3072-62



3072-63

Item No.	Mfr Model No.	Description	Your Cost
3072-61	QC-FLEX	QuickCheck™ Flex Cryoscope	<b>7,175.76</b>
3072-62	QC-TECH	QuickCheck™ Tech Cryoscope	<b>7,576.19</b>
3072-63	QC-IV/GR	QuickCheck™ -IV/GR Cryoscope	<b>8,696.80</b>
3072-59	101-911	Transfer Fluid, 160 mL, for all brands of cryoscopes	<b>25.71</b>

**Specifications**

Item No.	3072-61	3072-62	3072-63
Mfr Item No.	QC-FLEX	QC-TECH	QC-IV/GR
Sample Size		2.5 mL	
Sample Capacity		Single Sample	
Test Time		~ 2 minutes	
Readout Units		m°C or m°H	
Start-Up Time		~ 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		Adjustable -4° C to -8° C Default -6.0° C ± 0.5° C	
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 VAC	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	
Dimensions (W x H x D)	17 X 17 X 14 inches	18 X 18 X 16 inches	18 X 18 X 16 inches
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)



## 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)

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- *Solubility Testing Supplies*
- *Phosphatase Test*

### 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	Your Cost
<b>3073-11</b>	Advanced 4250 Single-Sample Cryoscope <b>Includes</b> Paper Manual Electronic Manual		<b>17,221.49</b>
<b>3072-83</b>	4D3710 - Fluid Filter for Advanced Cryoscope each Model 4D3		<b>97.34</b>

### Thermal Printer Paper

Item No.	Mfr Item No.	Qty	Your Cost
<b>3074-50</b>	FLA835	pack/5	<b>126.87</b>

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**Milk Cryoscope Accessories, guaranteed to be compatible with Advanced Instruments, Fiske, Precision and all other milk cryoscopes.**



### 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	100.84
3072-17	3LA022	422	110 mL		42.77
3072-19	3LA033	621	10 mL glass ampules	pack/10	100.84
3072-20	3LA032	621	110 mL		42.77

### Advanced Instruments 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	45.76
3072-35	3LA030	10 mL	pack/10	131.28

### Sample Tubes – Glass

Item No.	Mfr Item No.	Size	Qty	Your Cost
3072-40	3LA823	2 - 2.5 mL	pack/12	159.34

### Air Filters

Item No.	Mfr Item No.	Qty	Your Cost
3072-45	3D2340	pack/6	162.48

### Heat Transfer Fluid

Item No.	Mfr Item No.	Size	Your Cost
3072-60	3DA811	150 mL	94.87

### 30 Sample Tube Rack

Item No.	Mfr Item No.	Your Cost
3072-79	3LA846	31.77

### Cryoscope Wipes

Item No.	Mfr Item No.	Qty	Your Cost
3072-84	4C3840	pack/100	201.73





## Snapshot® DSR Image Reader and Printer (IDEXX)

**Quickly reads and displays test results**

Touch-screen display with numeric data entry, or full alphanumeric data entry with SNAPconnect software or an attached keyboard. Upgraded vision system and display make results easy to read. Use the Snapshot DSR display in any of these languages: English, French, German, Spanish, Italian, Portuguese, Chinese, Japanese

### SNAPconnect™ simplifies data transfer to your PC

- Run your Snapshot DSR Reader from a PC in the quality control lab.
- Quickly download, store and analyze test results.
- Use a PC keyboard to input data and customize reports.
- Read, store and share results when performing trace backs.
- Print directly to your PC printer when you need a paper trail.

Item No.	Description	Your Cost
3904-20	Snapshot Reader, 115 V	<b>4,707.15</b>
3904-28	Printer, includes paper and power supply	<b>705.83</b>
3904-10	Reader Accessory Pack, 4 rolls of paper and 2 printer cartridges	<b>72.00</b>
3904-11	Replacement Printer Cartridge	<b>7.18</b>
3904-30	Microprocessor Bundle, includes Reader, Printer, timer, heater, controls, and 30 test kit	<b>8,170.06</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. Includes timer.



Item No.	Your Cost
3903-05	<b>1,044.34</b>

## SNAP® Beta Lactam Test Kit (IDEXX)

Contains SNAP device, sample tube with cap and reagent pellet, and pipet.

Item No.	Qty	Qty Break	Your Cost
3900-01 *	pack/30	1-4	<b>149.63</b>
		5+	<b>136.04</b>



## 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, chlortetracycline 100 ppb and oxytetracycline 50 ppb. (Mfr. Item # 99-11470)

Item No.	Qty	Qty Break	Your Cost
3905-01 *	pack/30 tests	1-2	<b>190.47</b>
		3-4	<b>183.43</b>
		5+	<b>176.20</b>

\* Items ship via 3 day delivery to areas outside of a 3 day shipping lane

## SNAP® ST Positive Control Kit (IDEXX)

- Includes 25 controls.
- Use for test-system monitoring with SNAP® ST tests and SNAP Tetracycline.
- IDEXX recommends running positive and negative controls daily and with each new lot of tests.



Item No.	Mfr Item No.	Qty	Your Price
3110-03	98-27430-01	pack/25	<b>322.81</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 reconstituting, store refrigerated or at room temperature. After reconstituting, 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>250.00</b>

## Penase (Penicillinase)

Available: pack of 10 X 20 ml.

Product ships via 2 day delivery, but not on ice.

Additional shipping charges may apply.

Item No.	Qty	Your Cost
3110-28	1,000,000/2,000 L.U.	<b>297.36</b>
3110-30	10,000,000/20,000 L.U. (concentrate)	<b>519.32</b>

## Fine Point Forceps

Stainless steel. Dissecting style.



Item No.	Your Cost
3110-65	<b>36.35</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	323.12
3010-12	Replacement Buret Unit with Hose	232.73
3010-14	Replacement Flask	131.17
3010-13	Replacement Tygon® Tubing Per foot - Clear	2.73
3010-03	Replacement Rubber Bulb With two valves, control vent and four inches of tubing	36.58
3010-06	Replacement Rubber Tubing Per foot - Black	2.63
3010-02	Replacement rigid straight tubing 1/4" OD, for both 3" and 13.5" lengths going thru stopper.	1.09
3010-15	Replacement 2-Holed Stopper	6.56
3010-16	Replacement Clamp	50.01
3010-07	Stepped Connector	5.67
3010-17	O Rings	0.29

### 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.	Your Cost
3010-00	502.73

### Replacement Buret Unit

(Kimble A620F)

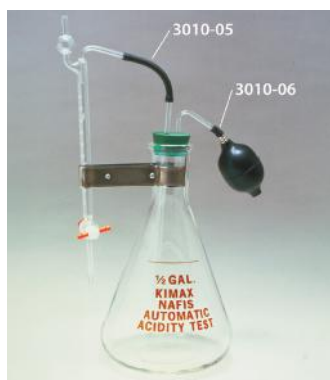
Capacity % 1  
Subdivision % 1/100

Item No.	Your Cost
3010-01	221.03

### Replacement Rubber Bulb

With two valves, control vent and four inches of tubing.

Item No.	Your Cost
3010-03	36.58



### Replacement Tygon® Tubing

For use with Acidity Tester. Per foot.

Item No.	Your Cost
3010-05	3.04

### Replacement Rubber Tubing

Pure gum, black latex. For use with Acidity Tester. Per foot.

Item No.	Your Cost
3010-06	2.63

### Replacement Tube Vent

Tube vent for Acidity Tester attaches to the rubber bulb.

Item No.	Your Cost
3010-09	23.04

### 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	44.21

### Replacement Stopper

Item No.	Your Cost
3010-08	16.96

### Replacement Tube Filling

Long glass replacement tube for the Acidity Tester.

Item No.	Your Cost
3010-10	5.48

### Indicator, 1% Phenolphthalein

In 95% denatured alcohol.

Item No.	Qty	Your Cost
3008-00	500 mL	15.91
3008-02	2 ounce dropper bottle	10.74

### 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	42.25
		4+	38.48
3006-02	4 liter cubepack		85.93
3006-04	20L Cubetainer		174.97

### Indicator bottle

Polyethylene. 2 ounce capacity, each.



Item No.	Your Cost
3008-04	4.40





**EXCLUSIVE!**

## 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

Item No.	Qty Break	Your Cost
2097-03	1	<b>85.93</b>
	2+	<b>78.15</b>
2097-05	1	<b>85.03</b>
	2+	<b>77.36</b>
2097-07	1	<b>52.95</b>
	2+	<b>48.17</b>
2097-09	1	<b>33.10</b>
	2+	<b>30.21</b>
2097-11	1	<b>27.90</b>
	2+	<b>25.39</b>
2097-13	1	<b>27.26</b>
	2+	<b>24.80</b>



## Cream Bottle Brush

Two part design to clean both bulb and neck of cream bottles.

Item No.	Your Cost
2099-07	<b>4.90</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.	Qty Break	Your Cost
3001-01	1-11	<b>27.14</b>
	Multi of 12	<b>22.63</b>

## Pipet for Cream (Kimble 570)

Volumetric. Calibrated to deliver.

Capacity mL	9
Tolerance mL	±0.05

Item No.	Qty Break	Your Cost
3002-01	1-11	<b>18.57</b>
	Multi of 12	<b>16.50</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	Your Cost
3002-04	each	<b>25.66</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>63.07</b>
		4+	<b>53.62</b>

## Babcock Acid, Pennsylvania Modification

Specific gravity certified to be 1.720 - 1.740.

Item No.	Qty	Your Cost
3004-30	gallon	<b>68.91</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>63.97</b>

## 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.	Description	Qty	Your Cost
6000-25	Air vent vertical filter	Box/100	37.15
6000-26	Schwartz cage & cap assembly	each	63.38

## Mojonnier Fat Extraction Flask

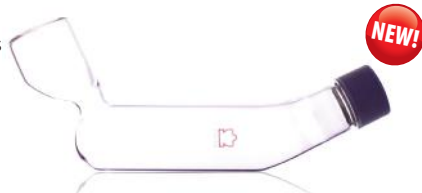
Same as standard G-3 flask. Without pouring lip. Requires #1 stopper (not included). Weight is approx. 78 grams / 2.75 oz. Dimensions are 7" long x 3" wide / 178 x 76 mm. Capacity of the bottom chamber is 21-23 mL.



Item No.	Qty	Your Cost
3005-74	1	62.79
	2+	56.09

## KIMBLE® KONTES® Mojonnier Fat Extraction Flasks

Manufactured from borosilicate glass 3.3. Ref: Standard Methods for the Examination of Dairy Products. Settling chamber at the lower portion has a capacity of approximately 25mL and a diameter of 35mm. The non-threaded version (8095-01) has a top opening with a pouring lip and is tooled for a #0 rubber stopper. The threaded version (KIM617600-24410) has a 24-410 GPI thread and is supplied with a black, phenolic cap with PTFE-faced white rubber liner.



Item No.	Description	Your Cost
8095-01	Threaded (24-410 GPI)	106.87
KIM617600-24410	Non-Threaded	93.95



## ZymoSnap ALP Alkaline Phosphatase Test (Hygiena)

Detects down to 0.001% raw milk

ZymoSnap measures alkaline phosphatase (ALP) enzyme activity in milk products to verify pasteurization efficiency in 10 minutes. Patented snap-valve technology and liquid-stable reagent. 100% recyclable test device. Detects down to .001% raw milk (below regulatory limits of <350 mU/L). Clear, reliable results even at low levels (25-100mU/L). **For use with EnSURE monitoring system.**

Item No.	Qty	Your Cost
4161-90	Case/100	312.07

## 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	94.95



## 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	27.88
		2+	25.82

## 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™

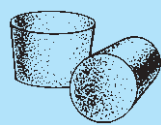


Item No.	Unit	Qty Break	Your Cost
2011-70	Each	1-5	77.80
		Multiples of 6	57.32

FIND IT AT WEBERSCIENTIFIC.COM



• Weber Pipeline Filter Screens



#1 Stoppers visit website.  
Aluminum Weigh Dishes see pages 26 - 28.  
Chemicals for fat testing see pages 58 - 59.

*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.

### Tilt Measure, For Iso Amyl Alcohol

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	97.66

### 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	2.17



### 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	104.58

### 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.	Your Cost
1077-41	28.82

### 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.	Your Cost
1035-50	7,149.38

### Gerber Micro III™ Centrifuge (Gerber Instruments)

- 12 bottle capacity
- Microprocessor controlled with digital display of time and temperature
- Compact steel case with cover lock that keeps the lid closed until rotor stops spinning.
- New – Increased precision thanks to controlled speed
- New – Unbalance shut-off through uneven filling or sudden glass breakage
- Gerber rotor and 12 Butyrometer brass sleeves included
- Dimensions: 17"W x 21"D x 11"H (430 x 530 x 280 mm)
- 115 V. 60 Hz. 600 W



Item No.	Mfr Item No.	Your Cost
1005-40	03.2265	3,943.46



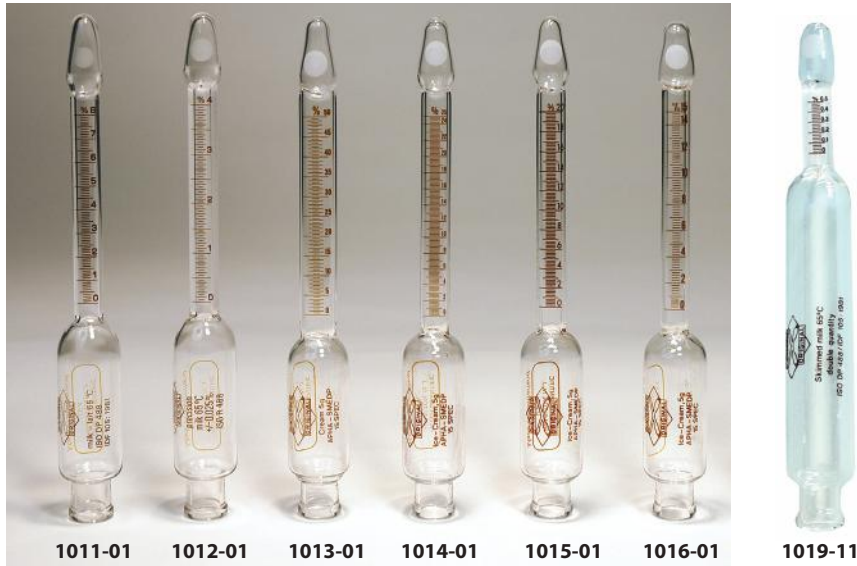
### Bottle Holder Adaptor

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	21.90
	multi of 4	16.68







## 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	73.93
	Multi of 10	65.68



## 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	46.67
	Multiples of 10	42.00

### 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	47.86
	Multiples of 10	43.04

### Heavy Cream Test Bottle

Size %	50
Subdivision %	0.5
Scale Precision	±0.25
Sample Size	5 gram

Item No.	Qty	Your Cost
1013-01	Pack/10	445.90

### 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	53.08
	Multiples of 10	53.08

### 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	51.02
	Multiples of 10	45.93

### 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	53.08
	Multiples of 10	47.79

### 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	19.78
	Multi. of 10	56.07

### Hand-Held Key

Manufactured of nicked brass.



Item No.	Your Cost
1033-00	12.86

### Replacement Solid Rubber Stopper

For use with the skim milk bottle. Double conical shape.

Item No.	Your Cost
1019-02	3.29



### 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.	18.02



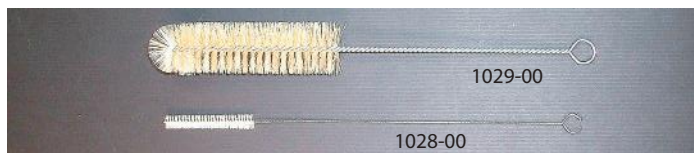
### Lock Stopper

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	10.97



Find Gerber Test Bottle Washer at [weberscientific.com](http://weberscientific.com)



### Stem Brush

Delicate brush specially designed for cleaning the stem of the Gerber bottle. (Not for 4% bottles.)

Item No.	Diameter	Your Cost
1028-00	4mm	5.28

### Bulb Brush

Specially designed for cleaning the large bulb of the Gerber bottle. Heavy duty! (Not for 4% bottles.)

Item No.	Diameter	Your Cost
1029-00	30mm	5.33



### Wide Tip Glass Pipet (Kimble 37034B-5)

Use for weighing out ice cream mixes that contain seeds, viscous products, etc. Graduated.

Item No.	Capacity mL	Subdivision mL	Approx. tip opening, mm	Your Cost
1042-03	5	0.1	3	18.64

### 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	14.26
1042-02	5	0.1	graduated	14.63
1042-05	10	0.1	graduated	16.70

### 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).

Item No.	Capacity gram	Fully Adjustable	Your Cost
1046-00	5	0-5	19.92



1046-00

### 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.	Qty Break	Your Cost
1041-01	1-11	31.10
	Multi. of 12	27.65

### Pipet For Milk (Gerber)

Calibrated to deliver 10.75 mL milk as referenced in the research paper, "Determination of Fat in Raw Milk: Comparison of Mojonner (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	20.98
	Multiples of 12	18.64

## 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	54.36

### 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	Your Cost
1086-00	gallon	158.01
1087-00	quart	61.92

### 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	77.21

### 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 ± 0.005 g/mL at 20° C.

Item No.	Size	Your Cost
1082-50	gallon	129.25

## The Fluorophos® ALP Test System (Advanced Instruments)

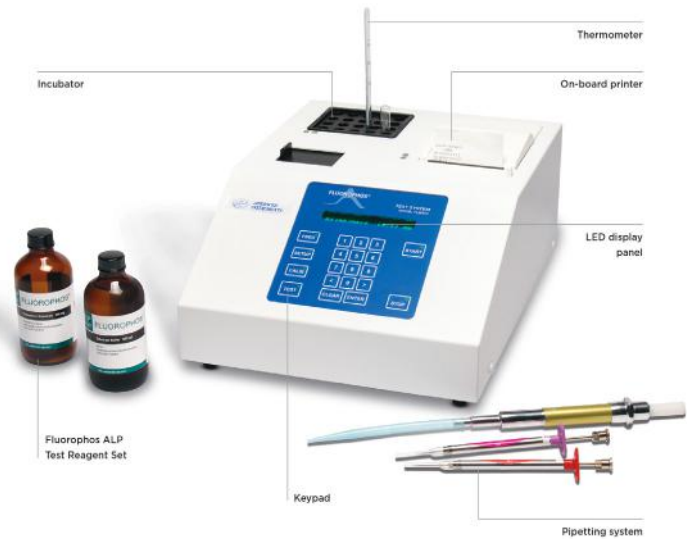
**Determining safe alkaline phosphatase levels with speed and accuracy.**

The Fluorophos ALP Test System is the industry standard and is extensively used by regulatory authorities. ALP testing provides an invaluable end-product test.

The EU requires that any other method considered for use be validated against the fluorimetric method and has lowered the statutory level for ALP in pasteurized milk from 500 to 350 mU/L. With the Fluorophos ALP Test System, you can closely monitor your production processes and anticipate quality control problems. The test can detect pinholes and cracked seals in your high-temperature short-time (HTST) system before they trigger pasteurization failures and workflow interruptions.

**The fastest and most sensitive test for confirming pasteurization.**

- ✓ **Greatest sensitivity.** The Fluorophos ALP Test detects as little as 0.003% raw milk contamination, making it many times more sensitive than any other method. Our Fluorometer actually exceeds the FDA and EU ALP detection criteria.
- ✓ **Highest specificity.** The high level specificity of the Fluorophos ALP test eliminates false positives, and color or fat content variations in cheese and flavored products will not affect test results.
- ✓ **Globally proven.** Laboratories around the world are using the Fluorophos ALP Test in conjunction with a Hazard Analysis and Critical Control Point (HACCP) program. The Fluorophos ALP Test is the standard ISO/IDF method and was reviewed and approved by NCIMS/FDA. It is also approved by AOAC, IMS, and CEN European standards for confirming proper pasteurization.
- ✓ **Fast and accurate results.** Test results automatically appear in approximately 3 minutes on the digital display. With one system you can test both cheese and other dairy products made from fluid milk.
- ✓ **Reduced production liability.** Because the Fluorophos ALP Test detects ultra low levels of raw milk contamination, it offers unmatched protection against the threat of pathogens in pasteurized milk.



### Specifications

Sample capacity	Single sample
Test Units	FLU (fluorescence unit)
Resolution	1 FLU
Test time	3 minutes
Product Channels	60
Optics	90° optical bench with light source, fixed filters, detector
Light source	Light emitting diode
Communications	<ul style="list-style-type: none"> <li>• Integrated thermal printer</li> <li>• DTE EIA-232/V.24(RS-232) serial port (baud selectable: 1200, 2400, 4800, 9600 or 19200)</li> <li>• Optional barcode reader</li> </ul>
Dimensions	(W x H x D) 6.5" x 12.5" x 16.5" (17 cm x 32 cm x 42 cm)
Net weight	18 lbs. (8 kg)
Shipping weight	34 lbs. (15 kg)

Item No.	Mfr Model No.	Description	Qty Break	Your Cost
3074-11	FLM300	Fluorophos Test System	1	<b>12,820.35</b>
			2+	<b>12,024.88</b>

Item No.	Mfr Model No.	Description	Your Cost
3074-18 ❄️	FLA225	ALP 225 – Test Kit with Cuvettes - 225 tests	<b>1,058.92</b>
3074-19 ❄️	FLA224	ALP 225 – Test Kit reagent set only (w/o cuvettes)	<b>993.84</b>
3074-20 ❄️	FLA250	ALP Three Calibrator Set - 30mL each	<b>312.17</b>
3074-22 ❄️	FLA260	Phosphacheck Milk Controls - 9 pk, neg/normal/pos	<b>312.17</b>
3074-24 ❄️	FLA280	ALP Daily Instrument Control - check instrument for drift	<b>312.17</b>
3074-26	FLA020	Replacement cuvettes, case/250	<b>247.64</b>
3074-31	FLA888	2 mL air displacement pipet	<b>942.90</b>
3074-32	ACM205	Fluorophos 2 mL pipet tips, pk/25	<b>48.51</b>
3074-50	FLA835	Thermal Printer Paper, 5-pack	<b>126.87</b>
3074-60	FLA865	25uL pipettor	<b>814.59</b>
3074-62	FLA885	75uL pipettor	<b>804.41</b>
3074-82 ❄️	FLA005	Cheese Extraction Buffer, 240 mL bottle	<b>153.21</b>
3074-83	FLA880	Pipet tips, 25-75 µl, pack/100	<b>248.11</b>
3072-45	FLA887	Air Filter, pack/6	<b>162.48</b>





## Rapid-Flow Sterile Filter Units (Nalgene)

Features the Rapid-Flow multi-column membrane-support system. This proprietary system provides a uniform, consistent separation between touch points within the membrane, minimizing gap stress to maintain optimal flow.

Filter units have tapered sides and "grips" to make units easier to handle. A wide base provides

stability on the benchtop. Lot number, catalog number, membrane type pore size, and expiration date are printed on the upper filter units for identification and lot traceability. A color-coded filter identifies membrane type at a glance. Choose from four membrane types: Polyethersulfone (PES), SFCA, Nylon or Cellulose Acetate.

All units have a cellulosic vent plug with quick-disconnect tubing adapter. Graduations on both upper and lower receivers allow volume estimation. Gamma sterilized, certified non-pyrogenic and non-cytotoxic. Individually wrapped. Each unit includes polystyrene cover; graduated upper chamber and storage bottle.

Item No.	Capacity	Membrane	Unit of Measure	Your Cost
<b>NAL450-0020</b>	500mL	Cellulose Nitrate, 0.2µm pore size, 75mm diameter	Case of 12	<b>294.01</b>
<b>NAL168-0045</b>	250mL	PES, 0.45µm pore size, 50mm diameter	Case of 12	<b>103.21</b>

Over 30 configurations available - see more at [weberscientific.com](http://weberscientific.com)



## AcroPak Membrane Filter Capsules (Pall Life Sciences)

*Ideal for liquids requiring prefiltration, such as serum-containing media and sterile filtration of buffers*

AcroPak Membrane Filter Capsules have a hydrophilic Supor® (polyethersulfone) membrane for low protein binding. 1/4-1/2" stepped hose barb inlet/outlet connections. Polypropylene housing with polycarbonate filling bell. Gamma sterilized. Endotoxin-free and USP Class VI-121°C. Ideal for mycoplasma-free sterilization of tissue or cell culture media.

- Provides higher throughputs and faster flow rates than similarly-sized competitive devices
- Ideal for solutions requiring low protein binding
- Saves money by increasing throughput with available built-in prefilter
- 100% integrity testing assures sterile filtrate
- 0.1 µm Supor membrane version ensures sterile, mycoplasma-free cell culture media
- Fusion-welded components eliminate the potential for release of extractables from sealing adhesives
- Sterilization by gamma irradiation eliminates potential contamination by EtO residuals

Item No.	Effective Filtr. Area	Inlet/Outlet	Pore Size	Unit of Measure	Your Cost
<b>GEL12991</b>	500 cm <sup>2</sup>	Stepped Hose Barb	0.8/0.2 µm	Each	<b>153.36</b>
<b>GEL12675</b>	1500 cm <sup>2</sup>	1/2" Hose Barb In	0.8/0.2 µm	Each	<b>329.95</b>

More configurations available at [weberscientific.com](http://weberscientific.com)



## Syringe Filters (CELLTREAT)

Membrane types include PVDF, PES, MCE, Nylon, PTFE, and SFCA. Color-coded by the membrane material for easy identification.

Filters supplied are both non-pyrogenic and RNA/DNA free. Luer-lock connections with polypropylene housings. Provides efficient filtration of aqueous and organic solutions thanks to a heat seal and luer-locking system and a variety of high-strength filtering membranes. Available Sterile in Individually-packed in peel-to-open paper/plastic blister packs or Non-Sterile in bulk bags.

Item No.	Product Description	Qty	Your Cost
<b>CEL229780</b>	PTFE 0.45µm, 30mm dia., non-sterile bulk	Case of 100	<b>127.00</b>
<b>CEL229744</b>	PVDF 0.45µm, 13mm dia., sterile, inv. wrapped	Case of 75	<b>66.61</b>

## 601 Standard Qualitative Filter Papers (Ahlstrom)

*For clarifying liquids and rapid filtration of coarser precipitates*

2.5µm medium speed filters. Grade 601 can be found in soil analysis, seed testing, and in air pollution to collect dust-laden air and is also commonly used in the food industry to separate foodstuffs from associated liquid or extracting liquids.

Suitable for quadrant folded or gravity flow applications. These grades contain a high level of alpha-cellulose that provides high purity but will weaken when wet. The inherent strength of standard (untreated) grades does not pose a problem when they are used in routine quadrant folded applications.

Not recommended for use in vacuum work or when wet handling is required.

Item No.	Dia.	Qty	Your Cost
<b>E-D6010-0700</b>	7cm	Pack/100	<b>6.06</b>
<b>E-D6010-1100</b>	11cm	Pack/100	<b>8.92</b>
<b>E-D6010-1250</b>	12.5cm	Pack/100	<b>10.53</b>
<b>E-D6010-1500</b>	15cm	Pack/100	<b>12.84</b>
<b>E-D6010-1850</b>	18.5cm	Pack/100	<b>18.58</b>

## Glass Microfiber Filters 934/AH (Whatman)

*For determining total suspended solids in water, removal of turbidity or filtration of bacterial cultures*

Superior to any cellulose filter of similar rating and is capable of high retention efficiency at high flow rates. Filters permit passage of very large sample volumes without blockage and are ideal for the collection of suspended solids in potable, natural, and industrial waters, as well as other applications that require filtering large volumes with suspended solids. Filters are binder-free, autoclavable and withstand temperatures to 500°C.

Weight	64 g/m <sup>2</sup>
Thickness	435 µm
Particle Retention	1.5 µm
Filtration speed	47 sec/100 mL (Herzberg test at 10 cm hydrostatic head)
DOP penetration (0.3 µm particle)	0.02%
Surface	Smooth

Item No.	Dia.	Qty	Your Cost
<b>3252-03</b>	4.7cm	Pack/100	<b>72.32</b>
<b>WHT1827-110</b>	11cm	Pack/100	<b>169.03</b>

### 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	Your Cost
3255-10	1001-055	5.5	pack/100	15.06
3255-11	1001-070	7	pack/100	14.18
3255-13	1001-090	9	pack/100	18.15
3255-14	1001-110	11	pack/100	21.24
3255-15	1001-125	12.5	pack/100	21.24
3255-16	1001-150	15	pack/100	31.84

Additional sizes available at [weberscientific.com](http://weberscientific.com)

### 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	Your Cost
3254-44	10313947	18.5	pack/100	61.72
3254-45	10313951	24	pack/100	72.58
3254-46	10313953	32	pack/100	113.71

### 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.	Your Cost
3009-20	113.45

### Pre-Pleated Qualitative Grade 113 Filter Paper (Whatman)

Wet Strengthened Grade 113/113V: 30 µm has ultra high loading capacity with a particle retention making it ideal for use with coarse or gelatinous precipitates. Creped surface.

Item No.	Your Cost
3254-12	238.90

### 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	Your Cost
3255-25	1003-055	5.5	pack/100	20.13
3255-26	1003-070	7	pack/100	23.83
3255-27	1003-090	9	pack/100	31.04
3255-28	1003-110	11	pack/100	36.55
3255-29	1003-125	12.5	pack/100	45.69
3255-30	1003-150	15	pack/100	61.97

### 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	Your Cost
3255-35	1004-055	5.5	pack/100	16.92
3255-36	1004-070	7	pack/100	16.92
3255-37	1004-090	9	pack/100	19.54
3255-38	1004-110	11	pack/100	24.99
3255-39	1004-125	12.5	pack/100	31.84
3255-40	1004-150	15	pack/100	40.73

Additional sizes available at [weberscientific.com](http://weberscientific.com)

### Filter Papers, Qualitative Medium Fast Grades 0858h/0860h (Whatman)

Grades 0858h: 7-12 µm; 0860h: 12 µm. A universal filter paper, used for the filtration of beer, extracts, etc.



Item No.	Mfr Item No.	Dia., cm	Qty	Your Cost
<b>Grained Finish</b>				
3254-20	10334345	15	pack/100	43.25
3254-21	10334347	18.5	pack/100	54.52
3254-22	10334351	24	pack/100	79.79
3254-24	10334353	32	pack/100	106.16
<b>Smooth Finish</b>				
3254-26	10334547	18.5	pack/100	71.35
3254-27	10334551	24	pack/100	68.59
3254-28	10334553	32	pack/100	171.43

### 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	Your Cost
3255-70	10311809	9	pack/100	16.92
3255-71	10311810	11	pack/100	21.24
3255-72	10311811	12.5	pack/100	28.40
3255-73	10311812	15	pack/100	37.14
3255-74	10311814	18.5	pack/100	53.24
3255-75	10311820	24	pack/100	86.80

### 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.

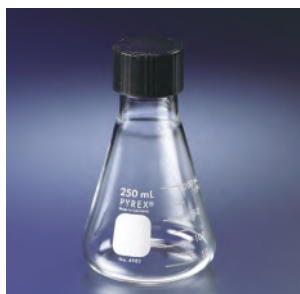
Item No.	Mfr Item No.	Dia., cm	Qty	Your Cost
3252-50	1820-055	5.5	pack/100	66.33
3252-12	1820-060	6	pack/100	98.16
3252-14	1820-070	7	pack/100	85.14
3252-10	1820-090	9	pack/100	120.29
3252-17	1820-125	12.5	pack/100	206.98
3252-19	1820-150	15	pack/100	300.39

### Qualitative Filter Papers, Fluted, Grade 2V (Whatman)

Whatman Grade 2V pre-folded filter paper exposes extra surface area, which enables a higher loading capacity and shorter filtration time.

- Medium flow and nominal particle retention rating of 8 µm
- Herzberg filtration speed of 240 s
- Fluted (pre-pleated) for easy use with conical filter funnels
- Can be used for soil analysis or general filtration

Item No.	Dia.	Qty	Your Cost
3255-54	185 mm	pack/100	116.11



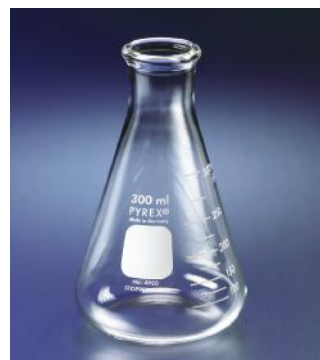
### Replacement Screw Cap for Erlenmeyer Flasks

<b>2071-10</b>	<b>Kimble</b>	28-410	<b>3.32</b>
<b>2071-11</b>	<b>Corning</b>	38-430	<b>3.90</b>

### Glass Erlenmeyer Flasks with Screw Cap (Corning)

These PYREX® Erlenmeyer flasks with phenolic screw caps are ideal for use as a shaker flask or for mixing, media prep and storage needs. Impact resistant caps with GPI threads are equipped with cemented-in, inert white rubber liners which are resistant to steam sterilization. Their uniform wall thickness provides the proper balance between mechanical strength and thermal shock resistance. For convenience, these flasks are graduated to show approximate capacity and include marking spot.

Item No.	Capacity mL	Interval grad. mL	Division mL	Approx. widest diam. mm	Approx. height mm	GPI thread finish	Qty	Qty Break	Your Cost
<b>2071-01</b>	250	50-100	25	81	135	38-430	each	1-5 Multiples of 6	<b>39.65</b> <b>25.16</b>
<b>2071-05</b>	500	100-500	50	102	186	38-430	each	1-5 Multiples of 6	<b>40.17</b> <b>25.49</b>
<b>2071-08</b>	1000	250-1000	50	128	215	38-430	each	1-5 Multiples of 6	<b>45.55</b> <b>30.52</b>
<b>2071-14</b>	2000	600-2000	200	161	273	38-430	each	1 Multiples of 2	<b>101.16</b> <b>64.21</b>



### Glass PYREX® Erlenmeyer Flasks (Corning)

These PYREX® Erlenmeyer flasks are designed with heavy duty rims to reduce chipping. Their uniform wall thickness provides the proper balance between mechanical strength and thermal shock resistance. Approximate graduations are in durable white enamel. An extra large marking space is also provided.

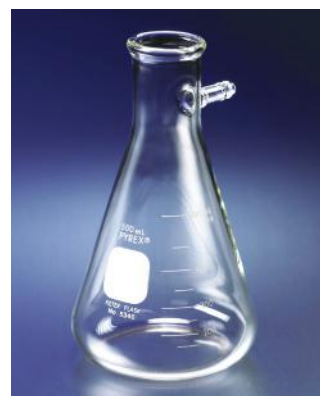
Item No.	Capacity ml	Interval Graduated ml	Subdivision ml	Stopper No.	Qty	Qty Break	Your Cost	Qty Break	Your Cost
<b>2058-01</b>	125	50 - 125	25	5	each	1-11	<b>19.56</b>	Multiples of 12	<b>16.02</b>
<b>2059-01</b>	250	50 - 200	25	6	each	1-11	<b>8.32</b>	Multiples of 12	<b>5.28</b>
<b>2060-01</b>	500	100 - 500	50	7	each	1-5	<b>12.52</b>	Multiples of 6	<b>7.96</b>
<b>2063-01</b>	1000	250 - 1000	50	9	each	1-5	<b>16.88</b>	Multiples of 6	<b>10.72</b>
<b>2063-06</b>	2000	600 - 1800	200		each	1-3	<b>39.74</b>	Multiples of 4	<b>25.22</b>
<b>2063-11</b>	4000	1000 - 4000	500		each		<b>78.62</b>		
<b>2064-75</b>	Starter Pack: One each of five popular sizes: 50, 125, 250, 500 and 1,000 mL								<b>53.89</b>


**3016-80**
**3015-01**

### Lead Rings (Bel-Art Scienceware)

Vikem® vinyl rings stabilize glassware.

Item No.	Mfr Item No.	Description	Weight	Fits Flasks	Your Cost
<b>3015-01</b>	18308-0500	C-shape	0.5 lbs (237 g)	125-500 mL	<b>38.96</b>
<b>3015-02</b>	18308-1000	C-shape	1.0 lbs (454 g)	250-1000 mL	<b>44.19</b>
<b>3015-03</b>	18308-2000	C-shape	1.5 lbs (681 g)	500-2000 mL	<b>50.65</b>
<b>3016-80</b>	18307-0005	ring shape	0.5 lbs (237 g)	125-500 mL	<b>31.51</b>
<b>3016-83</b>	18307-0010	ring shape	1.0 lbs (454 g)	250-1000 mL	<b>37.98</b>
<b>3016-86</b>	18307-0015	ring shape	1.5 lbs (681 g)	500-2000 mL	<b>43.41</b>

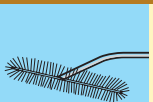


### PYREX® Heavy-Wall Glass Filtering Flasks (Corning)

Sidearm tabulations are blown into special molds for maximum strength. All flasks have permanent white enamel marking spots. The neck finish affords an excellent fit for rubber stoppers. The vacuum hose is attached to the flask's sidearm. A funnel is inserted into the neck of the flask through a ground joint or rubber stopper. The applied vacuum facilitates the filtration process.

Item No.	Capacity (ml)	Stopper Size	Tubulation OD	Unit of Measure	Your Cost
<b>CGW5340-250</b>	250	6	10mm	Pack of 6	<b>118.53</b>
<b>CGW5340-500</b>	500	7	10mm	Each	<b>24.12</b>
<b>CGW5340-1L</b>	1000	8	10mm	Each	<b>540.60</b>

### ACCESSORIES: FOR LABWARE



Flask Brush see page 180.  
Stoppers see website.



### Glass PYREX® Beakers (Corning 1000)

Griffin low form, double scale graduated beaker, with spout, manufactured with uniform wall thickness, offers optimum balance between thermal shock resistance and mechanical strength. For convenience, the 250 through 2000 mL beakers have a double graduated metric scale to indicate approximate content. All sizes have an extra-large marking spot.

Item No.	Capacity mL	Interval Graduated mL	Subdivision mL	Qty	Qty Break	Your Cost
2050-00	50	10 - 40	10	pack/12		49.84
2052-00	100	20 - 80	10	pack/12		54.22
2055-00	250	25 - 200	25	pack/12		49.63
CGW1000-400	400	25 - 325	25	pack/12		56.24
2056-01	600	50 - 500	50	each	1-5 Multiples of 6	9.87 6.26
2057-01	1000	50 - 1000	50	each	1-5 Multiples of 6	18.60 11.80
2057-06	2000	200-1800	100	each	1-3 Multiples of 4	36.88 23.40



### 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	Your Cost
2077-06	50	10	pack/12	66.95
2077-10	100	10	pack/12	91.72
2077-14	250	25	pack/6	82.66
2077-18	600	100	pack/4	102.18
2077-22	1000	100	pack/3	90.29



### 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.

Item No.	Size	Qty	Qty Break	Your Cost
2079-30	5 mL	case/1000		46.81
2079-35	10 mL	case/1000		55.57
2079-40	20 mL	case/500		56.14
2079-45	50 mL	case/500	1-2 3+	71.46 62.11

### Disposable Tri-Pour Graduated Beakers

Polypropylene - 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 ±5%. They are packaged nested in sleeves to save storage space.

Item No.	Size mL	Grad. mL / oz.	Qty	Qty Break	Your Cost
2079-46	50	5 / 0.5	case/100	1-4 5+	26.13 19.89
2079-48	100	10 / 0.5	case/100	1-4 5+	30.26 23.05
2079-50	250	10 / 1.0	case/100	1-4 5+	44.34 33.76
2079-52	400	20 / 1.0	case/100	1-4 5+	62.13 47.30
2079-54	800	50 / 2.0	case/100	1-4 5+	88.22 67.17
2079-56	1000	50 / 2.0	case/100	1-4 5+	110.92 84.46



800-328-8378

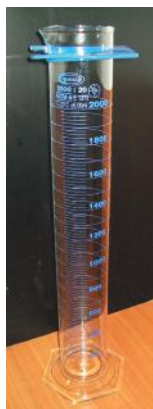
### ACCESSORIES: FOR LABWARE



Stainless Steel Beakers see page 78.

LABWARE

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**2068-01**

**2077-67**

**CGW3024-100**

**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	Graduations	Subdivision	Tolerance	Your Cost
<b>2068-01</b>	10 mL	1 - 10 mL	0.1 mL	±0.10 mL	<b>93.56</b>
<b>2068-07</b>	100 mL	10 - 100 mL	1 mL	±0.40 mL	<b>143.73</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.	Capacity	Graduations	Qty Break	Your Cost	Qty Break	Your Cost
<b>2077-60</b>	10 mL	0.2 mL	1-2	<b>14.78</b>	3+	<b>10.90</b>
<b>2077-61</b>	25 mL	0.5 mL	1-2	<b>20.83</b>	3+	<b>15.38</b>
<b>2077-62</b>	50 mL	1.0 mL	1-2	<b>22.52</b>	3+	<b>16.62</b>
<b>2077-63</b>	100 mL	1.0 mL	1-2	<b>25.33</b>	3+	<b>18.70</b>
<b>2077-64</b>	250 mL	2.0 mL	1	<b>34.91</b>	2+	<b>25.75</b>
<b>2077-65</b>	500 mL	5.0 mL	1	<b>64.98</b>	2+	<b>47.94</b>
<b>2077-66</b>	1000 mL	10.0 mL	1-2	<b>114.19</b>	3+	<b>84.27</b>
<b>2077-67</b>	2000 mL	20.0 mL	1-2	<b>174.13</b>	3+	<b>128.50</b>

### Glass PYREX® Single Metric Scale TD Graduated Cylinders (Corning)

Versatile cylinders are precisely calibrated for laboratory applications. White enamel graduations. Features a funnel top on the 10 mL size for easy pouring. The 25 mL or larger sizes offer bumper guards to reduce breakage.

Serialized/Certified models traceable to NIST standards available at [weberscientific.com](http://weberscientific.com).

Item No.	Capacity mL	Subdivision	Height	Qty	Your Cost
<b>CGW3024-10</b>	10 mL	0.1mL	177 mm	Each	<b>16.91</b>
<b>CGW3024-25</b>	25 mL	0.1mL	192 mm	Case of 18	<b>427.70</b>
<b>CGW3024-50</b>	50 mL	0.1mL	225 mm	Case of 18	<b>444.44</b>
<b>CGW3024-100</b>	100 mL	1 mL	254 mm	Each	<b>29.61</b>
<b>CGW3024-250</b>	250 mL	2 mL	340 mm	Case of 12	<b>417.84</b>
<b>CGW3024-1L</b>	1000 mL	10 mL	465 mm	Each	<b>86.25</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	Subdivision	Approx. height	Qty	Your Cost
<b>2069-11</b>	10 mL	0.2 mL	135 mm	pack/4	<b>68.79</b>
<b>2069-15</b>	25 mL	0.5 mL	140 mm	pack/4	<b>116.00</b>
<b>2069-19</b>	50 mL	1 mL	190 mm	pack/4	<b>93.65</b>
<b>2069-23</b>	100 mL	1 mL	255 mm	pack/4	<b>112.16</b>
<b>2069-27</b>	250 mL	2 mL	330 mm	pack/2	<b>80.90</b>
<b>2069-31</b>	500 mL	5 mL	375 mm	each	<b>62.14</b>
<b>2069-35</b>	1000 mL	10 mL	460 mm	each	<b>80.18</b>
<b>2069-75</b>	Starter Pack: 10, 25, 50, 100 and 250 mL				<b>158.53</b>

### Broken Glass Disposal Box (Dynalon Labware)

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. Floor size glass disposal box now has integral handles; safer in use and disposal! Ships flat, assembles in seconds. 12" X 12" X 27". Case of 6.

Item No.	Your Cost
<b>4334-30</b>	<b>100.32</b>



### Cover for Glass Disposal Carton

Opens with a single touch. Reusable, dishwasher and autoclave safe. Requires no batteries for operation. Fits on box **4334-30**.

Item No.	Mfr Item No.	Your Cost
<b>4334-31</b>	13204-0001	<b>36.29</b>

### ACCESSORIES: FOR LABWARE



Cylinder Brush see page 180.

### 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 3.1. Test procedure for Liquid Volume Determinations. All flasks are calibrated "to deliver" except with a "C" suffix, which are calibrated "to contain".  
Flask is standardized to 4° C (40° F).

Item No.	Size	Graduated Range	Graduation Minimum	Your Cost
2040-08	1/2 Pint	8 fl. dram	1 fl. dram	318.86
2040-11	11 oz.	8 fl. dram	1 fl. dram	384.66
2040-12	12 oz.	8 fl. dram	1 fl. dram	352.05
2040-14	14 oz.	8 fl. dram	1 fl. dram	412.50
2040-14C	14 oz.	8 fl. dram	1 fl. dram	418.47
2040-16	Pint	8 fl. dram	1 fl. dram	373.77
2040-32	Quart	8 fl. dram	1 fl. dram	571.14
2040-52	52 oz.	8 fl. dram	1 fl. dram	698.37
2040-59	59 oz.	8 fl. dram	1 fl. dram	805.19
2040-64	1/2 Gallon	8 fl. dram	1 fl. dram	804.12
2040-96	96 oz.	8 fl. dram	1 fl. dram	954.31
2040-128	Gallon	8 fl. dram	1 fl. dram	964.84



2040-64

### 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	Qty Break	Your Cost	Qty Break	Your Cost
2078-76	50	1	each	1-11	8.48	Multiples of 12	8.18
2078-80	100	1	each	1-11	14.14	Multiples of 12	12.64
2078-84	250	2	each	1-11	14.07	Multiples of 12	12.37
2078-88	500	5	each	1-5	18.59	Multiples of 6	16.33
2078-92	1000	10	each	1-5	26.24	Multiples of 6	23.06



### 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	Subdivision	Error Limit	Qty	Qty Break	Your Cost	Qty Break	Your Cost
NAL3662-0010	10 mL	0.2 mL	±0.20 mL	24/cs		464.15		
NAL3662-0025	25 mL	0.5 mL	±0.34 mL	18/cs		380.32		
2078-36	50 mL	1 mL	±0.4 mL	each	1-17	38.27	Multi. of 18	28.19
2078-40	100 mL	1 mL	±0.6 mL	each	1-11	39.80	Multi. of 12	29.07
2078-44	250 mL	2 mL	±1.4 mL	each	1-11	56.11	Multi. of 12	41.08
2078-48	500 mL	5 mL	±2.6 mL	each	1-7	95.82	Multi. of 8	56.66
2078-52	1000 mL	10 mL	±5 mL	each	1-5	117.71	Multi. of 6	74.19
NAL3662-2000	2000 mL	20 mL	±12.0 mL	4/cs		401.68		
NAL3662-4000	4000 mL	50 mL	±29.0 mL	2/cs		476.01		



### 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	Your Cost
2078-11	1000 mL	31.64
2078-15	2000 mL	61.53



800-328-8378

### ACCESSORIES: FOR LABWARE



Dilution Bottle Volumetric Flask see page 46.

LABWARE

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### Graduated Measures (Polar Ware)

Calibrated in oz. 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)	Qty Break	Your Cost	Qty Break	Your Cost
2051-20	16 / 473	2 / 50	3 3/4 x 4 5/8 / 95 x 117	1-2	<b>67.44</b>	3+	<b>62.82</b>
2051-21	32 / 946	2 / 100	4 3/4 x 5 1/4 / 121 x 133	1-2	<b>87.52</b>	3+	<b>81.54</b>
2051-22	64 / 1892	4 / 100	5 1/2 x 6 1/2 / 140 x 165	1-2	<b>109.63</b>	3+	<b>109.63</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)	Qty Break	Your Cost	Qty Break	Your Cost
2051-25	2000	5 1/16 x 6 5/8 (129 x 168)	1-2	<b>109.05</b>	3+	<b>101.58</b>
2051-26	3000	6 1/16 x 7 (154 x 178)	1-2	<b>114.32</b>	3+	<b>106.50</b>
2051-27	4000	6 1/8 x 8 7/8 (174 x 225)	1-2	<b>141.62</b>	3+	<b>131.93</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)	Qty Break	Your Cost	Qty Break	Your Cost
2051-40	13	11 5/8 x 9 1/4 / 295 x 235	1-2	<b>125.55</b>	3+	<b>116.95</b>
2051-41	16	11 3/4 x 10 1/8 / 298 x 257	1-2	<b>158.99</b>	3+	<b>148.09</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)	Qty Break	Your Cost	Qty Break	Your Cost
2051-03	Container	1 1/4	4 9/16 in x 5 3/4 in	1-2	<b>34.62</b>	3+	<b>32.25</b>
2051-04	Cover			1-2	<b>27.37</b>	3+	<b>25.51</b>
2051-09	Container	3 3/16	6 1/2 in x 7 in	1-2	<b>47.58</b>	3+	<b>44.33</b>
2051-10	Cover			1-2	<b>36.34</b>	3+	<b>34.55</b>
2051-12	Container	4 3/4	7 3/8 in x 7 7/8 in	1-2	<b>52.94</b>	3+	<b>49.32</b>
2051-13	Cover			1-2	<b>42.20</b>	3+	<b>39.29</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)	Qty Break	Your Cost	Qty Break	Your Cost
2051-30	125	2 1/8 x 2 5/8 / 54 x 67	1-2	<b>45.74</b>	3+	<b>42.59</b>
2051-31	250	2 5/8 x 3 1/4 / 67 x 83	1-2	<b>44.91</b>	3+	<b>41.83</b>
2051-32	600	3 3/8 x 4 5/8 / 86 x 117	1-2	<b>52.12</b>	3+	<b>48.54</b>
2051-33	1200	4 1/8 x 6 1/16 / 105 x 154	1-2	<b>64.43</b>	3+	<b>60.02</b>
2051-34	2000	4 7/8 x 7 1/8 / 124 x 181	1-2	<b>99.42</b>	3+	<b>92.62</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	Qty Break	Your Cost	Qty Break	Your Cost
2075-29	33401	60	72	14	20	pack/12	1-5	13.10	6+	11.83
2075-30	33402	125	100	18	24	pack/12	1-5	27.96	6+	18.35
2075-35	33403	250	135	18	24	pack/12	1-5	33.03	6+	21.68
2075-40	33404	500	170	21	28	pack/12	1-5	45.19	6+	29.66



## 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	Qty Break	Your Cost	Qty Break	Your Cost
2075-08	33311	30	62	21	28	pack/12	1-5	6.51	6+	6.18
2075-09	33306	60	73	21	28	pack/12	1-5	10.72	6+	18.80
2075-10	33307	125	100	28	38	pack/12	1-5	14.40	6+	13.68
2075-11	33308	250	137	33	43	pack/12	1-5	21.77	6+	20.68
2075-12	33309	500	149	43	53	pack/12	1-5	26.06	6+	24.75
2075-13	33310	1000	218	53	63	pack/6	1-5	21.77	6+	20.68
2075-14	33307	125	100	28	38	case/500	1	739.25	2+	484.95
2075-15	33308	250	137	33	43	case/250	1	647.62	2+	424.84
2075-22	33309	500	149	43	53	case/125	1	475.57	2+	311.95



Wide Mouth



Narrow Mouth

## 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	Qty Break	Your Cost	Qty Break	Your Cost
2075-01	33253	15	58	14	20	pack/12	1-5	4.12	6+	3.91
2075-02	33254	30	62	14	20	pack/12	1-5	5.48	6+	5.21
2075-03	33301	60	72	14	20	pack/12	1-5	11.48	6+	10.91
2075-04	33302	125	110	18	24	pack/12	1-5	14.40	6+	13.68
2075-05	33303	250	139	18	24	pack/12	1-5	21.77	6+	20.68
2075-06	33304	500	165	21	28	pack/12	1-5	26.06	6+	24.75
2075-07	33305	1000	222	21	28	pack/6	1-5	21.77	6+	20.68
2075-18	33302	125	110	18	24	case/500	1	595.66	2+	390.75
2075-19	33303	250	139	18	24	case/250	1	280.34	2+	248.88

Bulk Packs Available, See More at [weberscientific.com](http://weberscientific.com)

## Nalgene Lab Carriers

Reduce breakage and spillage when transporting glass and plastic bottles. Two foam inserts with six holes keep bottles separated during transport. Carriers are sturdy enough to hold six full 1000 mL glass media bottles.



Item No.	Unit of Measure	Your Cost
NAL7131-0001	Case of 2	259.59

## 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 mm	High density polyethylene	28.96

## ACCESSORIES: FOR LABWARE



BOD Bottles see page 218.  
Dilution Bottles see page 46 - 49.


**NAL2120-0005**


## Wide-Mouth Round Bottles (Nalgene)

General use lab storage bottles are available in three different materials:

**High Density Polyethylene (HDPE)** translucent bottles are for general use. They are usable with most corrosive chemicals and have lower permeability and greater rigidity than LDPE.

**Low Density Polyethylene (LDPE)** Bottles have greater flexibility, visibility and impact resistance than HDPE bottles. They are the best choice for trace metal analysis and for freezer storage to -100°C.

**Polypropylene** Bottles are chemical resistant and autoclavable to +121°C. They offer excellent chemical resistance to most acids, bases and alcohols, and are more translucent than either HDPE or LDPE bottles.

All bottles include polypropylene screw closures.

Item No.	Material	Capacity	Cap size	Unit of Measure	Your Cost
<b>NAL2105-0008</b>	Polypropylene	250mL / 8oz	43mm	Case of 72	<b>339.22</b>
<b>NAL2105-0016</b>	Polypropylene	250mL / 8oz	53mm	Case of 72	<b>81.25</b>
<b>NAL2104-0016</b>	HDPE	500mL / 16oz	53mm	Pack of 12	<b>68.60</b>
<b>NAL2105-0032</b>	Polypropylene	1000mL / 32oz	63mm	Case of 10	<b>80.19</b>
<b>NAL2120-0005</b>	HDPE	0.5gal / 2L	100mm	Case of 6	<b>132.24</b>
<b>NAL2120-0010</b>	HDPE	1gal / 4L	100mm	Pack of 1	<b>29.91</b>

Additional options available at [weberscientific.com](http://weberscientific.com).



## Benchtop Radioactive Waste Containers (Nalgene)

Cylindrical shields and lids that securely hold included 2 L polyethylene fluid waste bottle. A lip on the lid prevents slipping. Maximum beta radiation containment is possible with 3/8 inch acrylic.

Replacement Bottles may be purchased as item **NAL2120-0005**.

Item No.	Product Description	Unit of Measure	Your Cost
<b>NAL6710-2000</b>	Beta Waste Container & Bottle	Case of 1	<b>132.24</b>



## Paper Cup (Solo 44)

Useful for microwaving and many other common laboratory procedures

- 3oz. approximate capacity
- Compostable
- Meets ASTM D6868 standard
- Plain White

Item No.	Qty	Qty Break	Your Cost
<b>3152-00</b>	Pack of 100	1-49	<b>17.08</b>
		multiples of 50	<b>16.01</b>



## DRIERITE Desiccants

Anhydrous calcium sulfate - will absorb six to eight percent of its weight in water, depending on the relative humidity. This substance has a neutral pH, is constant in volume and is chemically inert except in water. It is economical to use and can be regenerated for repeated usage. It is generally recognized as safe (GRAS) by the FDA.

DRIERITE is blue when dry and changes to pink upon absorption of moisture.

Item No.	Bottle Size	Your Cost
<b>WAH23001</b>	1lb	<b>251.10</b>
<b>WAH23005</b>	5lb	<b>115.39</b>



## Acrylic Desiccator Cabinet

Designed to store and protect critical materials. Under positive N2 gas flow, they prevent moisture from penetrating the molecular structure of stored components. Slip-apart hinge design makes door removal a snap. PVC door gaskets ensure a positive seal. All shelves have perforated slots for optimum gas saturation. Each cubicle has two nylon gas nipples, 1/8 x 1/4 NPT hose barb fitting. Features a built-in hygrometer on each door.

Item No.	Description	Your Cost
<b>PLS863-CG</b>	Clear, 2 chambers, 4 shelves; 24x18x24"	<b>1,580.00</b>

Find more sizes and styles at [weberscientific.com](http://weberscientific.com).



### 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.

Item No.	Size mL	Grad. mL	Div. mL	Apprx. OD in/mm	Apprx. Height in/mm	Cap Color	Unit of Measure	Your Cost
2074-02	100	20-80	10	2.2/56	3.9/100	blue	Case of 10	112.16
2074-03	250	50-200	25	2.8/70	5.4/138	blue	Case of 10	124.54
2074-06	500	100-400	50	3.4/86	6.9/176	blue	Case of 10	148.84
2074-09	1000	100-900	50	4.0/101	8.9/225	blue	Case of 10	127.69
KIM14395-2000	2000	400-1800		5.4/136	10.2/260	blue	Case of 4	157.95
KIM14395-5000	5000	1000-4500		7.1/181	13.0/330	blue	Case of 1	123.76

Replacement caps and pour-rings available at [weberscientific.com](http://weberscientific.com).



### 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 Break	Qty	Your Cost	Qty Break	Your Cost
				I.D./O.D. (mm)	Cap Size (mm)					
2075-55	33407	125	100	28	38	pack/12	1-5	31.79	6+	20.85
2075-60	33408	250	137	33	43	pack/12	1-5	42.77	6+	28.04
2075-65	33409	500	149	43	53	pack/12	1-5	61.40	6+	40.27

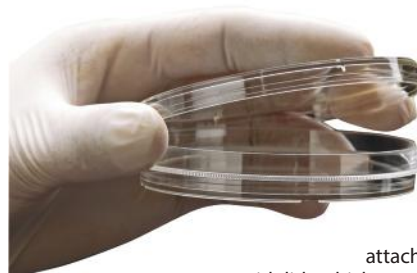


### Cell Culture Flasks (CELLTREAT)

Uniform hydrophilic surface is ideal for consistent cell attachment. Stable base enables filling with flask standing upright. Convenient zip-closure bag is a practical alternative to folding and taping open bags. Vent caps features 0.22µm PTFE hydrophobic membrane. Larger opening and canted neck design for easier access, ideal for cell scrapers. Molded, interlocking T design for improved stacking. Each flask is printed with lot number and expiration date for easy identification and tracking. All flasks are supplied sterile (gamma irradiated).



Item No.	Cell Growth Area	Cap Style	Unit of Measure	Your Cost
CEL229341	75cm <sup>2</sup>	Vent	Case of 100	162.68
CEL229351	182 cm <sup>2</sup>	Vent	Case of 40	141.01



### Tissue Treated Cell Culture Dishes (CELLTREAT)

Features a uniform hydrophilic surface ideal for consistent cell attachment. All dishes are supplied with lids which contain molded spaces to allow gas exchange and stacking rings for increased stability.

All Dishes are supplied sterile (gamma irradiated) and packaged in durable zip re-sealable, self-standing plastic bags.

Item No.	Cell Growth Area	Working Volume	Dimensions	Unit of Measure	Your Cost
CEL229621	60.5 cm <sup>2</sup>	15-16 mL	100 x 20 without Grip Ring	Case of 300 (10/bag)	145.57
CEL229620	60.5 cm <sup>2</sup>	15-16 mL	100 x 20 with Grip Ring	Case of 300 (10/bag)	176.43



**CELLTREAT Tissue and Cell Culture Products are manufactured under the most stringent conditions.**

CELLTREAT includes a 100 percent integrity test to assure the reliability with tissue and cell culture work. Class 100,000 clean room, USP class, VI virgin polystyrene and ISO 9001: 2000 quality management systems all contribute to the consistent tissue and cell culture performance of our products.



### 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	Your Cost
2057-20	500	10	3.2" (81mm)	5.3" (135 mm)	<b>8.56</b>
2057-25	1000	50	4.1" (104mm)	6.7" (167 mm)	<b>11.75</b>
2057-30	2000	100	5.3" (132mm)	8.1" (205 mm)	<b>13.31</b>
2057-32	5000	100	7" (178mm)	10.8" (271 mm)	<b>41.98</b>
2057-34	10000	200	10.6" (269mm)	12.8" (325mm)	<b>101.07</b>

5 and 10-liter sizes have a hand grip at the base to provide better control when pouring

### Economy Graduated Pitchers

Autoclavable polypropylene. Raised graduations.



Item No.	Capacity mL	Grad. mL	Top I.D.	Height	Qty Break	Your Cost	Qty Break	Your Cost
2057-40	250	10	3.3" (83 mm)	3.9" (99 mm)	1-11	<b>2.35</b>	12+	<b>2.23</b>
2057-43	500	10	3.8" (97 mm)	5" (126 mm)	1-11	<b>6.56</b>	12+	<b>3.84</b>
2057-45	1000	10	4.5" (114 mm)	6.7" (170 mm)	1-5	<b>6.49</b>	6+	<b>3.81</b>
2057-49	2000	20	5.9" (150 mm)	8.3" (212 mm)	1-5	<b>9.48</b>	6+	<b>5.57</b>
2057-51	5000	250	7.2" (184 mm)	8.9" (225 mm)	1-5	<b>41.61</b>	6+	<b>24.37</b>



### Round Carboys (Nalgene)

Molded shoulder handles that make carrying easier and a polypropylene screw closure that provides a secure seal. Choose standard or containers with molded-in spigot for easy dispensing. Threaded polypropylene spigots are molded-in for strength and leak resistance.

Item No.	Capacity	Cap Size	Type	UoM	Your Cost
NAL2250-0020	2.5gal / 10L	83 mm	Polypropylene	Pack of 1	<b>117.81</b>
NAL2250-0050	5.5gal / 20L	83 mm	Polypropylene	Case of 4	<b>668.95</b>
NAL2318-0010	1gal / 4L	83 mm	LDPE w/Spigot	Pack of 1	<b>110.19</b>



Unitary Style

Economy Style

### Plastic Wash Bottles (Nalgene)

Economy style bottles are designed to dispense through the top with a closure and stem molded in one piece for uniform leak proof service. The tip can be cut back to increase flow. The tight fit of draw tube and closure prevents separation when the bottle is squeezed. It is designed to dispense uniformly through the top with a closure and stem molded in one piece for leak proof service.

Unitary Wash Bottles are designed with a wide mouth for faster, easier filling. Bottle and tubulation are molded in one piece for uniform leak proof service and precision flow without sputtering. The tip can be cut back to increase flow. The contents can be dispensed without tipping or shaking.

Item No.	Capacity mL	Bottle Style	Unit of Measure	Your Cost
NAL2402-0250	250mL / 8 oz	Unitary	Pack of 4	<b>28.55</b>
NAL2402-0500	500mL / 16 oz	Unitary	Pack of 4	<b>133.28</b>
NAL2401-0250	250mL / 8 oz	Economy	Pack of 6	<b>92.71</b>
NAL2401-0500	500mL / 16 oz	Economy	Pack of 6	<b>86.93</b>



2075 range



2079-08



4410-03, 06



4410-09, 12, 15



2076-12, 15, 18, 21

### 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	Qty Break	Your Cost
2075-75	Acetone	yes	pack/3	1-2 3+	32.19 30.66
2075-76	Acetone	no	pack/6	1-2 3+	45.51 43.37
2075-77	Ethanol	yes	pack/3	1-2 3+	35.52 33.88
2075-78	Ethanol	no	pack/6	1-2 3+	47.00 44.86
2075-80	Isopropanol	no	pack/6	1-2 3+	45.51 43.37
2075-71	Isopropanol	yes	pack/3	1 2+	40.33 37.22
2075-82	Methanol	yes	pack/3		39.43
2075-83	Methanol	no	pack/6		46.46
2075-84	Sodium Hypochlorite (bleach)	no	pack/6	1-2 3+	45.51 43.37
2075-85	Water	no	pack/6	1-2 3+	56.50 53.83
2075-86	DI Water	no	pack/6	1-2 3+	45.51 43.37
2075-81	LYOB	no	pack/6	1-2 3+	45.51 43.37

### Wash Bottles, Unitary, Red, LDPE (United Scientific)

The red color of these 500ml wash bottles provides a visual indicator that they may contain hazardous liquids. Constructed of low density polyethylene, these bottles include a built-in delivery tube.

Item No.	Mfr Item No.	Qty	Your Cost
4410-01	36606-R	pack/4	26.20



### 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	Your Cost
2079-08	500	50-500	163.95

### 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	Qty Break	Your Cost
4410-03	250 mL	50 mL	1-2 3+	55.29 38.54
4410-06	500 mL	100 mL	1-2 3+	66.86 46.60

### Economy Wash Bottles

Translucent and unbreakable low density polyethylene.

Item No.	Capacity	Qty	Qty Break	Your Cost
4410-09	250 mL	pack/12	1-2 3+	23.14 15.82
4410-12	500 mL	pack/6	1-2 3+	15.80 10.80
4410-15	1000 mL	pack/6		15.77

### 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.

Item No.	Cap Color	Your Cost
2076-12	Red	37.09
2076-15	Yellow	37.09
2076-18	Blue	46.70
2076-21	Green	37.09

### Wash Bottles, Wide Mouth (Bel-Art Scienceware)

Low-density polyethylene wash bottles with wide mouths for easy filling.

Item No.	Capacity mL/oz.	Qty	Your Cost
2076-03	250/8	pack/12	59.28
2076-06	500/16	pack/6	35.10
2076-09	1000/32	pack/3	27.09



### 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	Approx. GPI Capacity	Thread Finish	Qty	Your Cost
<b>3014-82</b>	Round bottom, reusable, with rubber lined caps (unattached), marking spot	20 x 125 mm	25 mL	18-415	pack/48	<b>188.07</b>
<b>3014-64</b>	Phenolic caps with rubber liners, autoclavable			18-415	case/1000	<b>193.40</b>


### Disposable Culture Tubes

Borosilicate glass. Packed in a convenient tray for ease of use. Plain neck finish. 

Item No.	Approx. O.D.	Approx. Length	Approx. Overflow Capacity	Approx. Inner Pack Qty	Qty	Your Cost
<b>Durham Tubes</b>						
<b>3014-05</b>	6 mm	50 mm	1 mL	500	case/1000	<b>88.17</b>
<b>Large Durham Tubes</b>						
<b>3014-08</b>	10 mm	75 mm	4 mL	250	case/1000	<b>44.88</b>
<b>3014-30</b>	12 mm	75 mm	6 mL	250	case/1000	<b>50.92</b>
<b>3014-10</b>	13 mm	100 mm	10 mL	250	case/1000	<b>64.59</b>
<b>3014-12</b>	16 mm	100 mm	14 mL	250	case/1000	<b>104.94</b>
<b>3014-15</b>	16 mm	125 mm	19 mL	250	case/1000	<b>116.66</b>
<b>3014-20</b>	16 mm	150 mm	23 mL	250	case/1000	<b>134.11</b>
<b>3014-23</b>	18 mm	150 mm	29 mL	125	case/500	<b>121.82</b>
<b>3014-25</b>	20 mm	150 mm	36 mL	250	case/500	<b>175.22</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	Your Cost
<b>3014-48</b>	13	100	8	13-415	500	1000	<b>283.08</b>
<b>3014-50</b>	16	150	20	15-415	250	1000	<b>386.43</b>
<b>3014-54</b>	20	150	30	18-415	250	500	<b>292.31</b>



### 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.	Your Cost
<b>3014-36</b>	<b>22.42</b>



### Disposable Closures

Compare to KIM-KAP. Caps for plain neck tubes. Autoclavable polypropylene.

Item No.	Fits Tubes Dia.	Qty	Your Cost
<b>3014-40</b>	13 mm	case/1000	<b>105.25</b>
<b>3014-42</b>	16 mm	case/1000	<b>101.44</b>
<b>3014-44</b>	18 mm	case/1000	<b>127.11</b>
<b>3014-46</b>	20 mm	case/500	<b>99.26</b>

### Disposable Screw Caps (Kimble 73800)

Autoclavable phenolic cap with cemented-in rubber liner. 1000 per case.

Item No.	GPI Thread Finish	Your Cost
<b>3014-58</b>	13-415	<b>147.67</b>
<b>3014-60</b>	15-415	<b>150.91</b>
<b>3014-64</b>	18-415	<b>193.40</b>



Find Rubber Stoppers at [weberscientific.com](http://weberscientific.com)

### 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 / 1/2 X 3	5	Snap	1000, 40 bags of 25	1	<b>114.83</b>
					2+	<b>98.61</b>
3013-48	13 X 100 / 1/2 X 4	8	Screw	500, 20 bags of 25	1	<b>307.22</b>
					2+	<b>214.88</b>
3013-69	17 X 100 / .7 X 4	14	Snap	1000, 40 bags of 25	1	<b>205.73</b>
					2+	<b>174.89</b>
3013-76	16 X 120 / .6 X 5	15	Screw	750, 5 packs of 150		<b>394.60</b>
3013-65	16 X 125 / .6 X 5	19	Screw	500, 20 bags of 25	1	<b>287.75</b>
					2+	<b>201.27</b>



### Sterile 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. Caps have a flat top surface for easy marking and labeling.

Item No.	Capacity	Size, mm	Packaging	Qty	Qty Break	Your Cost
3013-81	15mL	17 X 118	50 tubes per sterile rack 10 racks per case	Case/500	1	<b>80.72</b>
3013-82	15mL	17 X 118	20 tubes per sterile rack 25 racks per case	Case/500	1	<b>92.58</b>
					2+	<b>89.02</b>
3013-91	50mL	29 X 115	25 tubes per sterile rack 12 racks per case	Case/300	1	<b>107.09</b>
					2+	<b>99.95</b>
3013-92	50mL	29 X 115	20 tubes per sterile rack 25 racks per case	Case/500	1	<b>117.29</b>
					2+	



### 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 is 12,000g for the 15mL tubes and 15,000g for the 50mL tubes. 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	Size, mm	Packaging	Qty	Qty Break	Your Cost
3014-01	C2600	Blue Caps	15mL	17 X 118	50 sterile foam rack, 10 racks per case	Case/500	1	<b>135.88</b>
							2+	<b>118.42</b>
3014-09	C2601	Blue Caps	15mL	17 X 118	50 sterile bag, 10 bags per case	Case/500	1	<b>131.49</b>
							2+	<b>115.01</b>
3014-06	C2715	Multi-colored Caps	15mL	17 X 118	50 sterile foam rack, 10 racks per case	Case/500	1	<b>155.49</b>
							2+	<b>135.32</b>
3014-13	C2716	Multi-colored Caps	15mL	17 X 118	25 tubes of each color per bag, 4 bags of each color per pack, 20 bags per case	Case/500	1	<b>145.36</b>
							2+	<b>126.75</b>
3014-11	C2602	Blue Caps	50mL	29 X 115	25 sterile foam rack, 20 racks per case	Case/500	1	<b>173.23</b>
							2+	<b>149.88</b>
3014-02	C2603	Blue Caps	50mL	29 X 115	25 sterile bag, 20 bags per case	Case/500	1	<b>145.20</b>
							2+	<b>128.57</b>
3014-07	C2750	Multi-colored Caps	50mL	29 X 115	25 sterile foam rack, 20 racks per case	Case/500	1	<b>190.72</b>
							2+	<b>164.67</b>
3014-14	C2751	Multi-colored Caps	50mL	29 X 115	25 tubes of each color per bag, 4 bags of each color per pack, 20 bags per case	Case/500	1	<b>184.55</b>
							2+	<b>160.16</b>
3014-03	R1070	Rack for 30x 15mL tubes				Pack/5		<b>42.93</b>



800-328-8378

#### ACCESSORIES: FOR CENTRIFUGE AND CULTURE TUBES



Centrifuges see page 19.

LABWARE



### Locking Microcentrifuge Tubes

Engineered with a secure locking system that provides the security of a screw cap microtube with the simplicity of a snap cap tube. Tubes feature graduations, writing area, pierceable cap, autoclavable, and are packaged in zip, re-closeable bags.

Maintains sample integrity with locking cap which prevents accidental cap opening and evaporation during centrifugation. Single use tubes for laboratory procedures including centrifugation, boiling, incubation, freezing and sample storage. Withstands temperature from -80°C to +121°C

Made from optically clear USP Class VI medical grade polypropylene and are manufactured in a class 10,000 cleanroom and are certified to be free from RNase and DNase, Human DNA, Pyrogens, PCR Inhibitors, and ATP.

Item No.	Capacity	Max. RCF	Qty	Your Cost
<b>GLB111552LK</b>	0.5 mL	30;000 x g	Case of 500	<b>24.62</b>
<b>GLB111562LK</b>	1.5 mL	30;000 x g	Case of 500	<b>26.38</b>
<b>GLB111572LK</b>	2.0 mL	30;000 x g	Case of 500	<b>31.32</b>
<b>GLB111582LK</b>	5.0 mL	21;000 x g	Case of 100	<b>24.84</b>



### Screwcap Microcentrifuge Tubes

These disposable 2mL screwcap microtubes are sterile. The sterile tubes include a cap with nitrile o-ring.

- Tube and Cap: Polypropylene
- O-Ring: Nitrile
- Centrifuge Maximum RCF: 18,000 RCF



### 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.	Description	Qty	Your Cost
<b>3189-22</b>	111730	2mL screwcap microtubes	pack/500	<b>110.12</b>

Item No.	Capacity	Qty	Qty Break	Your Cost
<b>3014-04</b>	1.5 mL	Pack of 500	1-9 10+	<b>18.15</b> <b>15.09</b>



### 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	Qty	Your Cost
<b>3189-10</b>	T320-2N	0.2 mL	case/125	<b>64.07</b>



### Microtube Racks 80-Well (Heathrow Scientific)

Polypropylene. Easily fill and transfer 80 tubes in compact arrangement (5 x 16 array). Molded-in coordinates. Autoclavable. Fits 1.5/2.0 mL microtubes or cryogenic vials. Dimensions: 22.5 x 6.7 x 2.8 cm.

Additional color options available at [weberscientific.com](http://weberscientific.com)

Item No.	Color	Qty	Your Cost
<b>3014-24</b>	Natural	Pack of 5	<b>21.06</b>
<b>HEA29025G</b>	Assorted (Green, Blue, Yellow, Orange & Pink)	Pack of 5	<b>21.46</b>



### 100-Well Microtube Storage Boxes (Heathrow Scientific)

A great solution for larger storage requirements of 1.5/2.0 mL microtubes or cryogenic vials. Features an easy-open hinged lid with snap clasp. Dimensions: 5.6 x 6 x 2.2". Autoclavable. Assorted colors include blue, green, purple, yellow, and orange.

Item No.	Color	Unit of Measure	Your Cost
<b>HEAHS120044</b>	Assorted	Pack of 5	<b>38.58</b>

### ACCESSORIES: FOR LABWARE



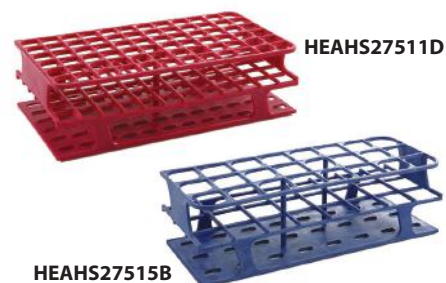
Cryoscope Tubes see page 63.  
Test Tube Clamps see page 94.  
Test Tube Brush see page 180.



### One Rack Full-Size Delrin Test Tube Racks

Fully assembled and ready to use. Sturdy and constructed as one continuous piece. Delrin racks resist most acids, solvents, and heat; and can be autoclaved with no outgassing.

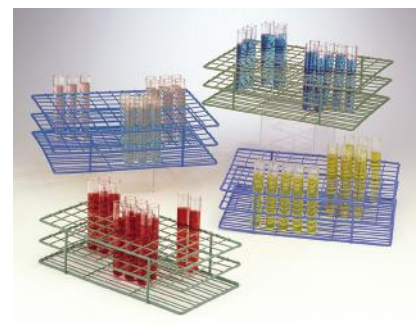
Item No.				Fits Tube			Your Cost
	Magenta	Blue	White	Dia.	Places	Rows	
HEAHS27511D	HEAHS27511B	HEAHS27511A	13 mm	72	6 X 12	Pack of 8	148.99
HEAHS27512D	HEAHS27512B	HEAHS27512A	16 mm	72	6 X 12	Pack of 8	148.99
HEAHS27513D	HEAHS27513B	HEAHS27513A	20 mm	40	4 X 10	Pack of 8	148.99
HEAHS27514D	HEAHS27514B	HEAHS27514A	25 mm	40	4 X 10	Pack of 8	148.99
HEAHS27515D	HEAHS27515B	HEAHS27515A	30 mm	24	3 X 8	Pack of 8	148.99



### Poxygrid® Wire Test Tube Racks (Bel-Art Scienceware 18750/764)

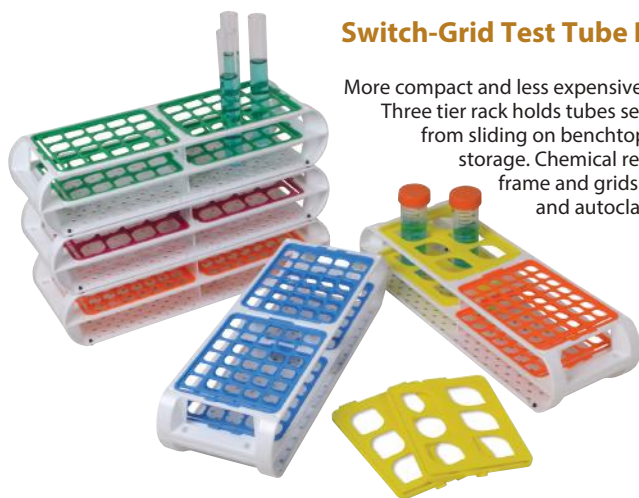
Epoxy coating is resistant to organic solvents, salts, weak acids and weak alkalis. Available colors help identify use or contents. Temperature range of -223°C (-369°F) to autoclaving at 121°C (250°F). Racks come with square holes, with three decks, a slotted grid bottom and reinforced edges for extra strength.

Item No.	Holds Tubes	Places	Rows	Color	Length X Width X Height	Your Cost
3195-10	10-13 mm	72	6 X 12	Green	205 X 113 X 64mm (8 1/16 X 4 7/16 X 2 1/2")	48.64
3195-12	10-13 mm	72	6 X 12	Blue	205 X 113 X 64mm (8 1/16 X 4 7/16 X 2 1/2")	45.35
3195-15	15-16 mm	72	6 X 12	Blue	242 X 130 X 64mm (9 1/2 X 5 1/8 X 2 1/2")	43.26
3195-17	15-16 mm	72	6 X 12	Green	242 X 130 X 64mm (9 1/2 X 5 1/8 X 2 1/2")	44.65
3195-20	18-20 mm	80	8 X 10	Blue	243 X 203 X 83mm (9 9/16 X 8 X 3 1/4")	52.03
3195-22	18-20 mm	80	8 X 10	Green	243 X 203 X 83mm (9 9/16 X 8 X 3 1/4")	49.54



### 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 and autoclaved.



Easy to use:



1. Release spring latch
  2. Lift out the grid
  3. Insert new grid
- It's that easy!**

Item No.	Description	Mfr Item No.	Holds Tubes	Full Rack Capacity	Qty	Qty Break	Your Cost
3195-24	Rack with Orange Grids	F18745-0010	10-13 mm	84 (14 x 6)	each	1-2 3+	22.73 21.37
3195-25	Rack with Blue Grids	F18745-0011	13-16 mm	60 (12 x 5)	each	1-2 3+	22.86 21.40
3195-26	Rack with Green Grids	F18745-0012	16-20 mm	40 (10 x 4)	each		24.34
3195-27	Rack with Fuchsia Grids	F18745-0013	20-25 mm	24 (8 x 3)	each	1-2 3+	23.20 21.80
3195-28	Rack with Yellow Grids	F18745-0014	25-30 mm	12 (6 x 2)	each	1-2 3+	22.74 21.37
3195-29	Set of Grids, Orange	F18745-1300	10-13 mm		pack/4		6.30
3195-30	Set of Grids, Blue	F18745-1600	13-16 mm		pack/4		6.30
3195-31	Set of Grids, Green	F18745-2000	16-20 mm		pack/4		6.30



### 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	Qty Break	Your Cost
3014-71	77901	13mm / 90 places	1-5 6+	20.38 13.93
3014-72	77902	16mm / 60 places	1-5 6+	20.38 13.93
3014-73	77903	20mm / 40 places	1-5 6+	20.38 13.93
3014-75	77904	25mm / 24 places	1-5 6+	20.38 13.93
3014-76	77905	30mm / 21 places	1-5 6+	20.38 13.93



### 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.

Item No.	Size	Your Cost
3068-58	2" x 250'	38.74
3068-59	4" x 125'	37.04
3068-60	4" x 250'	59.39



### 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.	Your Cost
3068-70	115.70



### Aluminum Foil Squares

Interleaved with paper for easy separation. Use for weighing samples, capping labware for storage, autoclaving and many other uses.

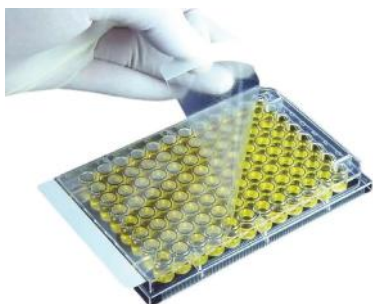
Item No.	Size inches/mm	Thickness inches/mm	Qty	Your Cost
3068-90	4 X 4 / 102	1 mil 0.001 / 0.025	case/500	43.73
3068-91	6 X 6 / 152	1 mil 0.001 / 0.025	case/500	92.78
3068-92	8 X 8 / 203	1.5 mil 0.0015 / 0.04	case/500	160.33
3068-93	12 X 12 / 305	1.5 mil 0.0015 / 0.04	case/500	342.88



### 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	Your Cost
3068-86	130 x 130mm (5 1/8" x 5 1/8")	50.53



### Sealplate Microplate Adhesive Film

50 µm thickness polyester sealing films minimize evaporation, prevent spillage and contamination between wells, and provide a secure seal, not just a cover. Secure sealing of all wells eliminates "edge effects" in sensitive ELISA assays. SealPlate sealing films can also be used with tissue-culture plates for short-term storage, incubation, and containment of biohazards. SealPlate sealing films are non-pierceable.

Each SealPlate sealing film measures 79.4 x 146.1 mm.

Item No.	Sterility	Unit of Measure	Your Cost
EXLSTR-SEAL-PLT	Sterile Sheets	Pack of 100	74.73
EXL100-SEAL-PLT	Non-Sterile Sheets	Pack of 100	54.80

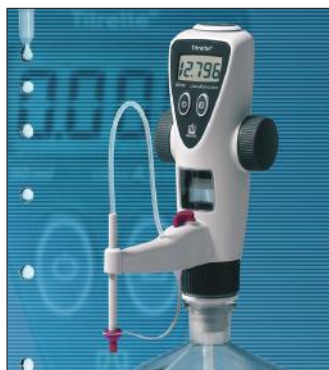


### Silicone Lids (DWK Life Sciences)

Stretchable to adapt to many container sizes. Improves lab safety, enhances sample management, and offers a more sustainable, cost-effective solution over foils, films, and other single-use covers.

- Fits on beakers, flasks, bottles, cylinders, plastic & glass products
- Each size conforms to various diameters
- Works with spouts, beads, and threaded finishes
- Reusable, customizable, and dishwasher safe
- Reduces non-reusable consumables that generate waste such as films & foils
- Chemically resistant, autoclavable, and pliable over a wide temperature range

Pink	Green	Cyan	Size	Your Cost
KIM291111111	KIM291111136	KIM291111128	Small - Stretch Diameter 43 - 61 mm	5.07
KIM291112116	KIM291112132	KIM291112124	Medium - Stretch Diameter 64-76 mm	5.57
KIM291113112	KIM291113137	KIM291113129	Large - Stretch Diameter 84-116 mm	7.84



### 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	Qty Break	Your Cost
2901-75	25	4760151	50 0.2	25 0.1	0.01	1-2	<b>1,220.98</b>
						3+	<b>1,145.61</b>
2901-80	50	4760161	100 0.2	50 0.1	0.01	1-2	<b>1,215.02</b>
						3+	<b>1,140.03</b>

### Burettes, Class A, with Straight Bore PTFE Key Stopcock (United Scientific)

Class A, ASTM E287, meets USP standards, serialized and certified. Waiting time of 30 seconds. Manufactured from precision bore tubing and calibrated To Deliver (TD, Ex) on computer-controlled machines. Includes PTFE straight bore stopcock.

Mfr. Item No.	Capacity	Graduation Interval	Tolerance ( $\pm$ ml)
BR2128-10	10mL	0.05mL	0.02
BR2128-25	25mL	0.10mL	0.03
BR2128-50	50mL	0.10mL	0.05

Item No.	Mfr Item No.	Description	Your Cost
<b>2069-80</b>	BR2128-10	Burettes, Class A, 10mL	<b>124.60</b>
<b>2069-82</b>	BR2128-25	Burettes, Class A, 25mL	<b>124.60</b>
<b>2069-84</b>	BR2128-50	Burettes, Class A, 50mL	<b>126.33</b>



### 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.	Your Cost
<b>3064-60</b>	<b>126.35</b>

### 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.	Your Cost
<b>3064-70</b>	<b>34.05</b>

### 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.



Item No.	Mfr Item No.	Description	Dia.	Qty	Qty Break	Your Cost
<b>2079-81</b>	8301	Polystyrene Funnel	55 mm	pack/100		<b>34.98</b>
<b>2079-83</b>	8302	Polystyrene Funnel	65 mm	pack/100		<b>34.98</b>
<b>2079-84</b>	8304	Polypropylene Funnel	65 mm	pack/100	1	<b>42.08</b>
					2+	<b>36.05</b>



Find more funnel options at [weberscientific.com](http://weberscientific.com)

LevGo Eco-smart Funnel™

### Funnels, Heavy Duty

Sturdy polypropylene funnels with ridges are ideal for general lab use or vacuum filtration.

Item No.	Top Diameter mm/inches	Stem Length mL	Capacity mm	Qty	Your Cost
<b>2079-57</b>	102/4	45	180	pack/6	<b>75.18</b>
<b>2079-62</b>	152/6	80	480	pack/3	<b>42.49</b>

### General Purpose Polypropylene Funnels

Good value for general use laboratory funnels.

Item No.	Diameter	Description	Qty	Qty Break	Your Cost
<b>2079-70</b>	100mm / 4"	100mm / 4" standard stem length	Pack/6	1-2	<b>12.43</b>
				3+	<b>11.81</b>
<b>2079-72</b>	150mm / 6"	150mm / 6" standard stem length	Pack/6	1-2	<b>13.46</b>
				3+	<b>12.79</b>
<b>2079-74</b>	85 mm / 3.3"	Short stem	Pack/12	1-2	<b>18.68</b>
				3+	<b>17.75</b>
<b>2079-76</b>	125 mm / 5"	Short stem	Pack/12	1-2	<b>23.14</b>
				3+	<b>21.98</b>
<b>2079-78</b>	65mm / 2.5"	with 8 external ribs	Pack/12	1-2	<b>14.84</b>
				3+	<b>8.57</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	Qty Break	Your Cost
3117-35	LABeler™ Lab Printer with 115V Power Supply			172.85
3117-37	Power Supply, for LABeler™ Printer			41.81
3117-40	26' Long Label Tape, 12mm Wide	White with Black Print		32.60
3117-46	26' Long Label Tape, 24mm Wide	White with Black Print		33.20
3117-48	20' Long Label Tape, ULTRA LOW TEMP, 12mm Wide	White with Black Print		28.23



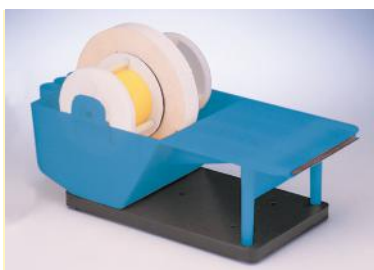
## Super Tough Laboratory Labels (Diversified Biotech)

All-purpose Cryo-Tags™ withstands conventional and cryogenic storage (vapor & liquid phase nitrogen storage) to -196°C.

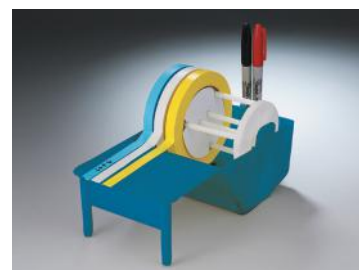
The labels will also withstand boiling water baths to 100°C and dry heat up to 150°C. Polyolefin labels adhere to all plastics, glass & metals and resist detergents, oils, solvents, caustic agents and other challenges without peeling or falling off.

Available on a roll of 1000.

Item No.	Size	Your Cost
3015-94	1.28 x .5" (33x13mm)	32.29
3015-96	1.5 x .75" (38x19mm)	33.42



3117-05



3117-09

## Write-On™ Label Tape Dispenser (Bel-Art Scienceware)

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	Your Cost
3117-05	F134720000	Benchtop model	302 x 143 x 121 mm H (12 x 55/8 x 43/4" H)	147.28
3117-09	F134730000	Economy model	302 x 143 x 106 mm H (12 x 55/8 x 43/16" H)	47.66



## Replacement Batteries

Item No.	Description	Qty	Your Cost
3029-60	LR44/A76 button cell battery 1.5V	1	5.66
3039-55	AAA 1.5 V batteries	pack/4	13.55
3039-56	AA 1.5 V batteries	pack/4	9.86

Additional replacement batteries available at [weberscientific.com](http://weberscientific.com)

### 1" Core General Purpose Label Tape (Weber Scientific)

Versatile temperature range of -23° to 121°C (-10° to 250°F). Removable-adhesive tape can be written on with pen, pencil, or permanent marker and will not bleed.

Wide color assortment makes color-coding easy. For refrigerators, freezers, autoclaves, incubators, water baths, and oil baths. Each roll has 500" on the 1" Core.

Item No.	Size	Color	Unit of Measure	Your Cost
NEVDAI-T14-1-C	12.7mm (1/2")	white	Each	<b>x.xx</b>
NEVDAI-T24-1-C	19.0mm (3/4")	white	Each	<b>x.xx</b>
NEVDAI-T34-1-C	25.4mm (1")	white	Pack of 3	<b>x.xx</b>
NEVDAI-T14-4-C	12.7mm (1/2")	red	Each	<b>x.xx</b>
NEVDAI-T24-4-C	19.0mm (3/4")	red	Each	<b>x.xx</b>
NEVDAI-T34-4-C	25.4mm (1")	red	Each	<b>x.xx</b>
NEVDAI-T14-2-C	12.7mm (1/2")	yellow	Each	<b>x.xx</b>
NEVDAI-T24-2-C	19.0mm (3/4")	yellow	Pack of 4	<b>x.xx</b>
NEVDAI-T34-2-C	25.4mm (1")	yellow	Each	<b>x.xx</b>
NEVDAI-T14-3-C	12.7mm (1/2")	green	Each	<b>x.xx</b>
NEVDAI-T24-3-C	19.0mm (3/4")	green	Each	<b>x.xx</b>
NEVDAI-T34-3-C	25.4mm (1")	green	Each	<b>x.xx</b>
NEVDAI-T14-6-C	12.7mm (1/2")	blue	Each	<b>x.xx</b>
NEVDAI-T24-6-C	19.0mm (3/4")	blue	Each	<b>x.xx</b>
NEVDAI-T34-6-C	25.4mm (1")	blue	Each	<b>x.xx</b>



More colors of label tape available at [weberscientific.com](http://weberscientific.com)

### Label Tape Color Assortment Pack

Paper tape that adheres to any clean surface, and peels off without leaving a sticky residue. Pencil, ball-point pen or solvent ink marker remains legible on label tape under the most demanding laboratory conditions in refrigerators, freezers, autoclaves, incubators, water baths, and oil baths.

Removable-adhesive label tape comes in a wide color assortment making color-coding easy. Fits into a standard scotch tape dispenser or use a Label Tape Dispenser that holds all your colored label tapes within easy reach on your lab bench. These color assortment packs include white, yellow, green, pink, red, orange and blue tape.

Item No.	Size	Unit of Measure	Your Cost
NEVDAI-T14-27-C	1/2" x 500"	Case of 24	<b>51.20</b>
NEVDAI-T24-27-C	3/4" x 500"	Case of 16	<b>46.07</b>
NEVDAI-T34-27-C	1" x 500"	Case of 12	<b>46.07</b>



### 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	Your Cost
3015-82	134830050	12.7mm (1/2")	white	<b>16.99</b>
3015-84	134830075	19.0mm (3/4")	white	<b>18.38</b>
3015-86	134830100	25.4mm (1")	white	<b>22.38</b>
3117-10	134840050	12.7mm (1/2")	red	<b>16.30</b>
3117-12	134840075	19.0mm (3/4")	red	<b>18.37</b>
3117-14	134840100	25.4mm (1")	red	<b>23.95</b>
3117-16	134850050	12.7mm (1/2")	yellow	<b>18.38</b>
3117-18	134850075	19.0mm (3/4")	yellow	<b>18.37</b>
3117-20	134850100	25.4mm (1")	yellow	<b>22.38</b>
3117-22	134860050	12.7mm (1/2")	green	<b>16.30</b>
3117-24	134860075	19.0mm (3/4")	green	<b>18.37</b>
3117-26	134860100	25.4mm (1")	green	<b>22.40</b>
3117-28	134870050	12.7mm (1/2")	blue	<b>16.30</b>
3117-30	134870075	19.0mm (3/4")	blue	<b>18.37</b>
3117-32	134870100	25.4mm (1")	blue	<b>22.40</b>





## 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>22.90</b>
				4+	<b>20.80</b>
5159-01	ultra-fine	retractable	black	1-3	<b>44.15</b>
				4+	<b>39.93</b>
3015-48	ultra-fine	capped	blue	1-3	<b>23.12</b>
				4+	<b>21.00</b>
5159-02	ultra-fine	retractable	blue	1-3	<b>71.06</b>
				4+	<b>64.25</b>
3015-50	ultra-fine	capped	red	1-3	<b>23.19</b>
				4+	<b>21.07</b>
5159-03	ultra-fine	retractable	red	1-3	<b>60.69</b>
				4+	<b>54.88</b>
3015-61	fine	capped	black	1-3	<b>22.55</b>
				4+	<b>20.64</b>
5159-04	fine	retractable	black	1-3	<b>47.74</b>
				4+	<b>43.18</b>
3015-63	fine	capped	blue	1-3	<b>20.41</b>
				4+	<b>18.66</b>
5159-05	fine	retractable	blue	1-3	<b>56.72</b>
				4+	<b>51.30</b>
3015-67	fine	capped	red	1-3	<b>16.25</b>
				4+	<b>14.86</b>
5159-06	fine	retractable	red	1-3	<b>50.11</b>
				4+	<b>46.77</b>



## Alcohol Resistant Science Marker

Writing will not flake off or smudge from marked surfaces exposed to liquid nitrogen (-196°C) or deep freeze (-80°C) storage conditions. Alcohol and Water Resistant. Pack of 6.

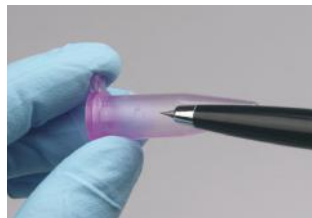
Item No.	Color Ink	Your Cost
<b>GAI797698463766</b>	Black	<b>28.73</b>
<b>GAI797698463773</b>	Green	<b>30.84</b>



## 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
<b>3015-70</b>	bullet	black	<b>23.97</b>



## Diamond Point Lab Pen

Permanently etch serial numbers onto your pipettors. Retractable tip allows safe storage. Sharp diamond etches glass, ceramic, and plastic.

Item No.	Your Cost
<b>3015-90</b>	<b>28.61</b>



## Engraving Tool (Bel-Art Scienceware)

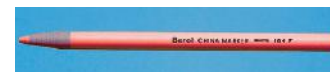
Permanently engraves in seconds

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	Your Cost
<b>3015-91</b>	44150-0005	Engraving tool	<b>33.43</b>

## 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. By pulling the string, paper can be unrolled for easy "sharpening". Pack of 12.



Item No.	Color	Your Cost
<b>3015-74</b>	white	<b>17.60</b>
<b>3015-75</b>	red	<b>19.22</b>
<b>3015-77</b>	black	<b>17.60</b>



## MagLab Magnetic Lab Storage Set (Heathrow Scientific)

Create lab storage space — off your bench top

Easily organize common lab products off your bench top with the MagLab storage system. Each rack is made of robust ABS plastic in a bright translucent color and features four powerful magnets for a secure hold onto most metal surfaces, or create your own holding point with the metal plate provided. MagRack holds 4 50 mL tubes and 9 15 mL tubes, MagWipe holds a standard Kimwipes® box, MagPette holds 2 pipettes and MagBox holds miscellaneous accessories.

Item No.	Description	L x W x H	Color	Your Cost
<b>3066-50</b>	MagLab Series - 4/pk	20.5 x 15.4 x 4"	Assorted	<b>59.80</b>
<b>3066-52</b>	MagWipe	5.1 x 3.5 x 3.8"	Green	<b>17.80</b>
<b>3066-53</b>	MagPette	5.1 x 4.4 x 2.9"	Purple	<b>17.80</b>
<b>3066-54</b>	MagBox	5.1 x 3 x 4"	Orange	<b>17.80</b>



### 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  $\pm 0.01$  mm. 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



Item No.	External dim.	Internal dim.	Path length	Sample Volume	Qty	Your Cost
2011-71	12.5W x 12.5L x 45H mm	10W x 10L mm	10 mm	3.5 mL	Each	58.46
2011-73	12.5W x 3.5L x 45H mm	10W x 1L mm	1 mm	0.35 mL	Pack/2	629.34
2011-75	12.5W x 12.5L x 45H mm	10W x 10L mm	10 mm	3.5 mL	Pack/2	954.67

### Distillation Apparatus, 500mL

This complete set features high quality borosilicate glass parts and all hardware necessary for simple distillation experiments.

Contents:

- Round Bottom Distillation Flask with Side Tube (Still Head), 500ml
- Graham Condenser, 300mm
- Erlenmeyer Flask, 250ml
- Glass Stopper
- Support Stand (6"X9") with 24" Rod
- Swivel Burette Clamp
- Extension Clamp
- Clamp Holder
- Activity Guide



Item No.	Mfr. Item No.	Size	Your Cost
3058-02	DSA001	500 mL	155.39

### 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.



Item No.	Mfr Item No.	Description	Qty Break	Your Cost
3430-25	65	Butane Laboratory Burner with Fuel container		57.39
3430-26	65F	Replacement Fuel container	1-11 12+	13.15 11.36

### 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.



Item No.	Mfr Item No.	Min/Max Volume	Window Dims	Qty	Your Cost
2013-80	759170	2.5/4.5mL	10x35mm	Pack of 100	95.93
BRA759165	759165	1.5/3mL	4.5x23mm	Pack of 500	398.65
BRA759150	759150	1.5/3mL	4.5x23mm	Pack of 100	87.22
BRA759200	759200	70/ 850µL	2x3.5mm	Pack of 100	88.59

### 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.	Your Cost
4411-20	25.54

### Porcelain Mortar & Pestle Set

Deep form mortars with lips glazed on the outside (except for the bottom) and unglazed inside. Oversized pestles are glazed to grinding surface.



Item No.	Capacity	Mortar Height	Pestle Length	Your Cost
USCJMD150	150mL	70mm	135mm	11.01
USCJMD275	275mL	70mm	160mm	14.07

### Electric Bunsen Burners

Provides the control and cleanliness of electricity without sacrificing precision. Concentrates heat at top, making it ideal for heating test tubes, crucibles, small flasks and beakers, or for sterilizing inoculating needles for microbiological work. The 400 watt element of this electrical bunsen burner produces temperatures between 800 and 1000°C and can be replaced if needed. Corrosion-resistant cylindrical metal housing has ventilation holes at the bottom that keeps it cool, allowing for handling during use. A removable cowl deflects heat away from the hand. Burner stands 7" with a 4.5" base diameter. CSA certified.



Item No.	Description	Your Cost
ETHBA6101X1	No Controller	1,129.76
CP36135-03	With Controller	1,473.31





## Sophisticated and Ergonomic Electronic Pipettors

### Picus® 2 Electronic Pipettes (Sartorius)

#### 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
- Advanced ergonomics
- Bluetooth connectivity enabled
- Comprehensive range of pipetting modes
  - Pipetting
  - Reverse Pipetting
  - Manual Pipetting
  - Multi Dispensing
  - Diluting
  - Sequential Dispensing
  - Multi Aspiration

Item No.	Mfr. item No	Color Code (to match tips)	Volume Range	Your Cost
<b>3185-86</b>	747061	Orange	10-300 µL	<b>1,249.92</b>
<b>3185-87</b>	747081	Blue	50-1000 µL	<b>1,249.92</b>
<b>3185-88</b>	747101	Green	100-5000 µL	<b>1,249.92</b>

#### Accessories

Item No.	Description	Your Cost
<b>3185-05</b>	Charging stand for 1 unit	<b>228.28</b>
<b>3185-03</b>	Carousel charging stand for 4 units	<b>635.74</b>
<b>3185-04</b>	Linear stand – no charge	<b>156.97</b>
<b>3185-09</b>	Replacement battery	<b>83.60</b>
<b>3185-10</b>	USB charging adapter	<b>35.49</b>



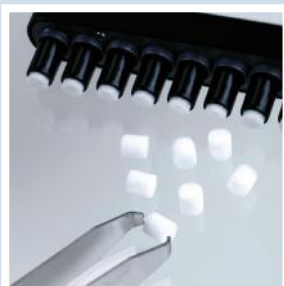
### Labnet Excel™ Electronic Pipettor (Labnet)

#### Multifunctional pipettes for standard and reverse pipetting

Labnet's Excel™ Electronic Pipettes are multifunctional units with operational modes for standard and reverse pipetting as well as multiple and sequential pipetting, mixing of samples and serial dilutions. All functions are easily programmed with one hand on the well positioned display and keypad. A fully motorized piston drive and auto-calibration guarantee excellent accuracy and reproducibility. A removable, rechargeable Lithium-ion battery ensures many hours of performance between charges.

- Fully Motorized Piston Drive
- Multifunctional with Six Operational Modes
- Virtually Eliminates Pipetting Force
- Exceptional Accuracy and Precision
- Simple, Precise Volume Setting

Item No.	Mfr Item No.	Volume Range	Increments µL	Accuracy	Precision	Your Cost
<b>3186-30</b>	P3600L-1200	100-1,200 µl	1.0 µl	±1.5 to ±0.5%	<0.6 to <0.15%	<b>520.03</b>



### Safe-Cone Pipette Filters (Sartorius)

#### Prolongs the life of your pipettor

- Protects the pipette and the sample from contamination
- Reduces maintenance intervals
- Standard, Ø 5.33 mm

The unique and replaceable polyethylene (PE) Safe-Cone Filters act as a final barrier to prevent any fluids and liquid vapours from reaching the internal components of the pipette. A cost effective way to prolong the life of your pipettor.

Item No.	Mfr. Item No.	Qty	Your Cost
<b>3183-40</b>	721006	pack/50	<b>19.65</b>

## Fully Autoclavable Single-Channel Pipettes (Accumax)

### Exceptional performance at a budget price

Variable volume models for volumes 0.1 µL to 10,000 µL (10 mL). They are ergonomically designed, light weight pipettes featuring a digital click stop volume setting. Each pipette is calibrated to DIN 12650 & EN ISO 8655 standards to ensure high accuracy & precision.

#### Features:

- Fully autoclavable
- Does not require recalibration after autoclaving
- Calibration conforms to DIN 12650 & EN-ISO 8655 standards
- Calibration report enclosed with every pipette
- Two step plunger operation allows “reverse pipetting technique”
- Click-stop digital system for volume setting
- Attractively color coded for easy identification
- 3-Year Warranty

Item No.	Volume Range	Increments	Your Cost
3183-59	0.1-2.5 µL	0.01 µL	104.50
3183-50	0.5-10 µL	0.1 µL	104.50
3183-55	2-20 µL	0.1 µL	104.50
3183-51	5-50 µL	0.5 µL	104.50
3183-53	10-100 µL	0.5 µL	104.50
3183-56	20-200 µL	1 µL	104.50
3183-52	50-200 µL	1 µL	104.50
3183-54	100-1000 µL	5 µL	104.50
3183-57	500-5000 µL	50 µL	114.95
3183-58	1000-10,000 µL	100 µL	114.95



## Proline® Plus Mechanical Pipettors (Sartorius – formerly Biohit)

### Highest accuracy and precision for today's demanding laboratories

#### Both adjustable and fixed volume models

Proline Plus Mechanical pipettors offers a range of user-friendly features. It is autoclavable, ensuring that it can be sterilized between uses, and can be calibrated by the user to guarantee accuracy. The pipettor is available in a wide range of sizes, up to 10mL, to accommodate different volumes of samples. It is compatible with any universal fit pipette tip, making it versatile and cost-effective. The ergonomic design with a remarkably light pipetting force reduces the risk of hand strain injuries, and it can be used by both right and left-handed users. The bold, easy-to-read volumes ensure accurate measurements, and it is IVD/CD certified to meet regulatory requirements. The three-year warranty ensures that users can rely on this pipettor for accurate and precise liquid handling in their laboratory work.

Item No.	Color Code (to match tips)	Mfr Item No.	Volume Range (µl)	Increment (µl)	Test Volumes (µl)	Inaccuracy (%)	Imprecision (%)	Your Cost
3185-13	Yellow or orange	728020	0.5 - 10	0.01	10 / 5 / 1	1.00 / 1.50 / 2.50	0.60 / 1.00 / 1.50	244.04
3185-15	Yellow or orange	728050	10 - 100	0.10	100 / 50 / 10	0.80 / 1.00 / 2.00	0.15 / 0.40 / 1.00	244.04
3185-16	Yellow or orange	728060	20 - 200	0.20	200 / 100 / 20	0.60 / 0.80 / 2.00	0.15 / 0.30 / 0.80	244.04
3185-18	Blue	728070	100 - 1000	1.00	1000 / 500 / 100	0.60 / 0.60 / 1.00	0.20 / 0.20 / 0.40	244.04
3185-22	Green	728080	500 - 5000	10.0	5000 / 2500 / 500	0.50 / 0.60 / 2.00	0.20 / 0.30 / 0.60	244.04
3185-24	Gray	728515	5	-	5	1.30	1.20	139.90
3185-26	Gray	728520	10	-	10	0.80	0.80	198.67
3185-28	Blue or Aqua	728567	500	-	500	0.30	0.20	195.82
3185-30	Blue or Aqua	728570	1000	-	1000	0.30	0.20	195.82
3185-32	Green	728575	2000	-	2000	0.30	0.15	195.82
3185-34	Green	728580	5000	-	5000	0.30	0.15	195.82
3185-36	Red	728590	10 ml	-	10000	0.60	0.20	195.82







## Brandtech Transferpette S Fixed Volume Pipettes

A lightweight, yet robust instrument that delivers a high degree of accuracy and precision, the Transferpette® S now offered newly refined features that make work even easier and more efficient.

With its new handle geometry, the Transferpette S provides a comfortable grip regardless of hand size and working right- or left-handed. Plus, true one-handed operation means no changing of grip or putting down sample, to set the volume. The newly designed volume adjustment break is easy to operate and clearly indicates when the pipette is secured against accidental volume changes. An even slimmer shaft makes working with narrow tubes and vials more manageable – recover more of your sample. And the shaft coupling to the handle has been redesigned, improving ergonomics, and making cleaning easier. The color-coded pipette accents for tip selection are even clearer.

- One-handed volume adjustment with brake to protect against accidental volume changes
- 5mm piston stroke-length is shortest of all leading pipettes
- Easy Calibration™ technology ensures fast, easy, in-lab calibration adjustments without tools
- Four-digit volume display is always visible
- Universal tip cone fits tips from most quality manufacturers
- Completely and repeatedly autoclavable at 121°C/250°F (20 minutes)

Item No.	Model	Capacity	Accuracy	Coefficient of Variation	Your Cost
<b>BRA705838</b>	F-100	100µL	± 0.6%	0.2%	<b>186.22</b>
<b>BRA705844</b>	F-200	200µL	± 0.6%	0.2%	<b>186.22</b>
<b>BRA705854</b>	F-500	500µL	± 0.6%	0.2%	<b>186.22</b>
<b>BRA705862</b>	F-1000	1000µL	± 0.6%	0.2%	<b>186.22</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	Your Cost
<b>3182-00</b>	10 - 100 µl (.01 - 1 mL)	<b>617.65</b>
<b>3181-00</b>	100 - 1000 µl (.1 - 1 mL)*	<b>592.36</b>

**3181-48**

### 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	Your Cost
<b>3182-10</b>	10 µl (.01 mL)	±1.0% / ≤0.5%	for DMSCC	<b>455.81</b>
<b>3181-40</b>	100 µl (.1 mL)	±0.6% / ≤0.2%		<b>475.25</b>
<b>3181-48</b>	1000 µl (1 mL)	±0.6% / ≤0.2%		<b>490.51</b>

### Research Fixed-volume models

Autoclavable lower part. Features a separate built-in tip ejector. Three year warranty.

Item No.	Volume	Inaccuracy/Imprecision	Comments	Your Cost
<b>3181-10</b>	10 µl (.01 mL)	±1.8% / ≤0.6%		<b>415.58</b>
<b>3181-12</b>	50 µl (.05 mL)	±0.7% / ≤0.3%		<b>415.58</b>
<b>3181-18</b>	100 µl (.1 mL)	±0.6% / ≤0.2%	for Delvo "P" Test	<b>415.58</b>
<b>3181-19</b>	200 µl (.2 mL)*	±0.6% / ≤0.2%	for Delvo "E" Test	<b>365.81</b>
<b>3181-22</b>	500 µl (.5 mL)	±0.6% / ≤0.2%	for Delvo "E" Test	<b>415.58</b>
<b>3181-24</b>	1000 µl (1 mL)	±0.6% / ≤0.2%		<b>397.07</b>

\* Uses 200 - 1000 µl tips.


**3181-22**

### ACCESSORIES: FOR MICRO-PIPETTORS



Mini-Pipettor see page 32.  
Engraving Tool see page 92.

## 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
- Fully traceable, CE/IVD certified
- 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.
- Air-tight plastic wrapping for maximal purity - wrapping is regular waste
- Material used in tips, trays and racks (polypropylene) is 100% recyclable



Item No.	Mfr Item No.	Description	Color Code (to match Pipettor)	Volume Range, ul	Length	Qty	Qty Break	Your Cost	Qty Break	Your Cost
3185-72	790014	Non-Sterile, Bulk	Gray	0.1-10	31.5 mm	1000 Tips	1-4	43.59	5+	38.14
3185-71	790011	Pre-Sterilized, Single Tray	Gray	0.1-10	31.5 mm	10 x 96 Tips	1-4	128.32	5+	112.29
3185-75	LH-B790204	Non-Sterile, Bulk	Yellow	0.5-200	51 mm	960 Tips	1-4	39.97	5+	35.27
3185-73	790201	Pre-Sterilized, Single Tray	Yellow	0.5-200	51 mm	10 x 96 Tips	1-4	77.33	5+	67.34
3185-41	LH-B790354	Non-Sterile, Bulk	Orange	5-350	54 mm	960 Tips		42.05		
3185-42	790350	Non-Sterile, Single Tray	Orange	5-350	54 mm	10 x 96 Tips	1-4	118.43	5+	103.62
3185-44	790351	Pre-Sterilized, Single Tray	Orange	5-350	54 mm	10 x 96 Tips	1-4	113.60	5+	99.38
3185-46	790352	Non-Sterile, Refill Tower	Orange	5-350	54 mm	10 x 96 Tips		43.65		
3185-48	790353	Pre-Sterilized, Refill Pack	Orange	5-350	54 mm	15 X 96 Tips	1-4	98.99	5+	85.79
3185-51	LH-B791004	Non-Sterile, Bulk	Blue	10-1000	71.5 mm	480 Tips	1-4	24.89	5+	21.97
3185-52	791000	Non-Sterile, Single Tray	Blue	10-1000	71.5 mm	10 x 96 Tips	1-4	79.26	5+	69.36
3185-54	791001	Pre-Sterilized, Single Tray	Blue	10-1000	71.5 mm	10 x 96 Tips	1-4	101.65	5+	88.95
3185-56	791002	Non-Sterile, Refill Pack	Blue	10-1000	71.5 mm	10 x 96 Tips	1-4	46.13	5+	39.96
3185-58	791003	Pre-Sterilized, Refill Pack	Blue	10-1000	71,5 mm	10 X 96 Tips	1-4	68.26	5+	58.50
3185-62	791020	Non-Sterile, Single Tray	Aqua - Wide bore	10-1000	68.5 mm	10 x 96 Tips		69.88		
3185-64	791021	Pre-Sterilized, Single Tray	Aqua - Wide bore	10-1000	68.5 mm	10 x 96 Tips	1-4	110.64	5+	96.80
3185-66	780304	Non-Sterile, Single Tray	Green	100-5000	150 mm	10 x 50 Tips	1-4	163.53	5+	145.11
3185-68	780305	Pre-Sterilized, Single Tray	Green	100-5000	150 mm	10 x 50 Tips	1-4	195.98	5+	167.97
3185-70	780308	Non-Sterile, Bulk	Green	100-5000	150 mm	10 x 50 Tips	1-4	159.50	5+	137.39
3185-79	LH 780316	Non-Sterile, Bulk	Red	1000-10000	161 mm	250 Tips	1-4	138.29	5+	121.59

## 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.

Item No.	Fits Pipettor, µL	Packaging	Qty Break	Your Cost
3184-70	200	1000 bulk pack, not sterile	1-19 Multiples of 20	22.03 19.82
3184-71	200	960 rack pack, 10 X 96, not sterile	1-4 Multiples of 5	39.55 38.03
3184-72	200	960 rack pack, 10 X 96, <b>sterile</b>	1-4 Multiples of 5	43.47 41.72
3184-74	1000	1000 bulk pack, not sterile	1-4 Multiples of 5	32.31 29.23
3184-75	1000	960 rack pack, 10 X 96, not sterile	1-4 Multiples of 5	54.16 50.53
3184-76	1000	960 rack pack, 10 X 96, <b>sterile</b>	1-4 Multiples of 5	62.92 59.76





## 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.

Item No.	Fits Pipettor, µl	Packaging	Grad.	Qty Break	Your Cost
3184-25	1-200	1000 bulk pack, not sterile	yes	1-9 Multiples of 10	19.61 14.81
3184-27	1-200	960 rack pack, 10 x 96, not sterile	yes	1-4 multiples of 5	37.43 33.73
3184-28	1-200	960 reload rack pack, not sterile	yes	1-3 multiples of 4	25.77 23.16
3184-29	1-200	960 reload starter kit, not sterile	yes	1-3 4+	35.43 31.89
3184-30	1-200	960 sterile rack pack, 10 x 96	yes	1-4 multiples of 5	43.89 39.12
3184-00	50-1250	768 bulk pack, not sterile	yes	1-9 Multiples of 10	17.61 15.85
3184-01	50-1250	768 rack pack, 8 x 96, not sterile	no	1-4 multiples of 5	36.30 32.69
3184-02	50-1250	768 sterile rack pack, 8 x 96	yes	1-4 5+	38.21 34.37
3184-03	50-1250	768 reload rack pack, 8 x 96, not sterile	yes	1-3 multiples of 4	32.20 28.98
3184-04	50-1250	768 reload starter kit, 8 x 96, not sterile	yes	1-3 4+	38.10 34.29
3094-46	100-1000	1000 sterile rack pack, 10 x 100, low binding	no	1-4 multiples of 5	73.52 70.27
3184-35	100-1000	1000 bulk pack, not sterile low binding	no	1-9 multiples of 10	20.51 18.46
3184-37	100-1000	1000 rack, not sterile 10 x 100, low binding	no	1-4 multiples of 5	40.69 36.61
3184-34	201-1000	1000 bulk pack, not sterile	no	1-9 Multiples of 10	22.19 19.89
3184-36	201-1000	1000 rack pack, 10 x 100, not sterile	no	1-4 multiples of 5	48.20 36.53
3094-45	201-1000	1000 sterile rack pack, 10 x 100	no	1-4 multiples of 5 multiples of 25	51.20 44.55 39.59



## 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	Your Cost
3183-27	0030075234	200	480 (5 racks of 96)	141.11
3183-21	022491105	1000	480 (5 racks of 96)	147.09

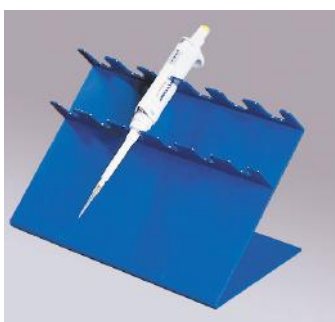
## Eppendorf Compatible Tips for Micro-Pipettors

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	Qty Break	Your Cost
3183-29	1-20	960 rack pack, 10 x 96, not sterile	Clear	1-4 multi. of 5	33.28 29.94
3183-30	1-20	960 sterile rack pack, 10 x 96	Clear	1-4 multi. of 5	42.22 38.00
3183-33	10-200	960 sterile rack pack, 10 x 96	Yellow	1-4 multi. of 5	52.74 45.89
3183-36	100-1000	sterile rack pack, 10 x 100	Clear	1-4 multi. of 5	51.20 44.55

## Tips for Micro-Pipettors (Eppendorf)

Item No.	Fits size pipettor	Qty	Comments	Your Cost
3183-01	1 µl "micro"	1000	bulk pack	114.90
3183-05	10 - 200 µl	1000	bulk pack	84.35
3183-07	10 - 200 µl	960	autoclavable rack	132.03
3183-09	10 - 200 µl	1000	sterile, ind. wrapped	223.33
3183-14	50 - 1000 µl	1000	bulk pack	91.37
3183-16	50 - 1000 µl	960	autoclavable rack	123.64
3183-18	100 - 1000 µl	1000	sterile, ind. wrapped	223.33



## 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.	Color	Your Cost
3180-20	blue	54.56

### ACCESSORIES: FOR PIPET TIPS



Autoclave bags see pages 8.



## Axygen 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
- Low retention

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, $\mu\text{L}$	Packaging	Your Cost
<b>3184-05</b>	100	96 Tips/Rack, 10 Racks, <b>sterile</b>	<b>43.50</b>
<b>3184-06</b>	200	96 Tips/Rack, 10 Racks, <b>sterile</b>	<b>45.67</b>
<b>3184-07</b>	300	96 Tips/Rack, 10 Racks, <b>sterile</b>	<b>87.05</b>
<b>3184-10</b>	1000	100 Tips/Rack, 10 Racks, <b>sterile</b>	<b>53.08</b>

## Axygen HybridRack Pipette Tip System (Corning)

### Eco-friendly Pipette Tips

- Removes approximately 70% of the plastic compared to traditional plastic racks
- Paperboard base can be easily recycled through most local curbside recycling programs
- HybridRack System is manufactured in the USA at an ISO 13485, ISO 14001, and EnergyStar registered facility
- Pipette tips included in the HybridRack offer the same tips as the Axxygen MultiRack product line
- All tips are sterile, non-pyrogenic, RNase-/DNase-free, human gDNA- and PCR-inhibition-free
- Plastic deck is compatible with Axxygen Multi-Rack



Item No.	Capacity	Packaging	Your Cost
<b>Filtered</b>			
<b>8098-01</b>	10 $\mu\text{L}$ XL	960/Pack, 5 Packs/Case	<b>268.07</b>
<b>8098-02</b>	20 $\mu\text{L}$	960/Pack, 5 Packs/Case	<b>268.07</b>
<b>8098-04</b>	20 $\mu\text{L}$ XL	960/Pack, 5 Packs/Case	<b>268.07</b>
<b>8098-03</b>	100 $\mu\text{L}$	960/Pack, 5 Packs/Case	<b>268.07</b>
<b>8098-05</b>	310 $\mu\text{L}$	960/Pack, 5 Packs/Case	<b>278.76</b>
<b>8098-06</b>	1000 $\mu\text{L}$ XL	960/Pack, 5 Packs/Case	<b>278.76</b>
<b>Non-Filtered</b>			
<b>8099-01</b>	10 $\mu\text{L}$ XL	960/Pack, 5 Packs/Case	<b>261.85</b>
<b>8099-02</b>	200 $\mu\text{L}$	960/Pack, 5 Packs/Case	<b>253.85</b>
<b>8099-03</b>	300 $\mu\text{L}$	960/Pack, 5 Packs/Case	<b>261.82</b>
<b>8099-04</b>	300 $\mu\text{L}$ XL	960/Pack, 5 Packs/Case	<b>234.77</b>
<b>8099-05</b>	1000 $\mu\text{L}$ XL	960/Pack, 5 Packs/Case	<b>234.77</b>

## Filtered and Non-Filtered Pipette Tips (LabGenius)

LabGenius Pipette Tips are available filtered or non-filtered in pre-sterilized racks. The universal design fits many of the top popular brands of pipettors in the market, such as Eppendorf, Gilson, Costar, Accumax, and the Daigger Scientific Pipette Plus.

- Specially molded for a high degree of accuracy
- Universal size fits many of the top brand of mechanical pipettes in the market
- Thin wall crown technology decreases pipettor wear.
- No detectable CN enzymes, RNA enzymes, proteins, DNA



Item No.	Capacity	Description	Packaging	Your Cost
<b>Filtered</b>				
<b>3387-06</b>	10 $\mu\text{L}$	Standard Retention	96 Tips/Rack, 10 Racks/Pack	<b>46.59</b>
<b>3387-02</b>	10 $\mu\text{L}$	Extra-Long Standard Retention	96 Tips/Rack, 10 Racks/Pack	<b>46.59</b>
<b>3387-08</b>	10 $\mu\text{L}$	Low Retention	96 Tips/Rack, 10 Racks/Pack	<b>56.19</b>
<b>3387-01</b>	20 $\mu\text{L}$	Standard Retention	96 Tips/Rack, 10 Racks/Pack	<b>46.59</b>
<b>3387-05</b>	20 $\mu\text{L}$	Low Retention	96 Tips/Rack, 10 Racks/Pack	<b>56.19</b>
<b>3387-03</b>	100 $\mu\text{L}$	Standard Retention	96 Tips/Rack, 10 Racks/Pack	<b>46.59</b>
<b>3387-04</b>	200 $\mu\text{L}$	Standard Retention	96 Tips/Rack, 10 Racks/Pack	<b>48.91</b>
<b>3387-07</b>	1000 $\mu\text{L}$	Standard Retention	96 Tips/Rack, 6 Racks/Pack	<b>53.08</b>
<b>Non-Filtered</b>				
<b>3387-09</b>	10 $\mu\text{L}$	Standard Retention	96 Tips/Rack, 10 Racks/Pack	<b>35.57</b>
<b>3387-10</b>	200 $\mu\text{L}$	Standard Retention	96 Tips/Rack, 10 Racks/Pack	<b>43.89</b>
<b>3387-11</b>	1000 $\mu\text{L}$	Standard Retention	96 Tips/Rack, 10 Racks/Pack	<b>54.83</b>

## MBP Finntip Pipette Tips

MBP Finntip Pipette Tips feature a uniformly smooth, hydrophobic surface that helps prevent liquid retention, ensuring accurate pipetting. Tips and racks are autoclavable and chemical resistant. Available in a wide range of sizes for all applications.



Item No.	Volume	Packaging	Unit of Measure	Your Cost
<b>LSY9400230</b>	0.5 to 250 $\mu\text{L}$	Bulk Bag	Pack of 1000	<b>69.83</b>
<b>LSY9400263</b>	0.5 to 250 $\mu\text{L}$	Sterile Rack	Pack of 960	<b>110.90</b>
<b>LSY9401030</b>	100-1000 $\mu\text{L}$	Bulk Bag	Pack of 1000	<b>72.73</b>
<b>LSY9401113</b>	100-1000 $\mu\text{L}$	Sterile Rack	Pack of 960	<b>119.50</b>
<b>LSY9402030</b>	1-5mL	Bulk Bag	Pack of 500	<b>152.60</b>
<b>LSY9402073</b>	1-5mL	Sterile Rack	Pack of 270	<b>131.54</b>
<b>LSY9402171</b>	10 mL	Bulk Bag	Pack of 100	<b>31.21</b>
<b>LSY9402183</b>	10 mL	Sterile Rack	Pack of 120	<b>72.52</b>



## Sterile Pipets, Polystyrene, Serological

Available in standard and wide tip styles for transferring liquids and suspension of different viscosities. All pipets are polystyrene, certified non-pyrogenic, RNase/DNase Free, BSE/TSE Free and non-toxic with white polyester plugs and color-coded TD rings.

Sizes 1 mL and 2 mL feature one-piece construction and +/-3% accuracy. 5 mL are 2-piece construction and sizes 10 mL +0 50 mL are 3-piece construction. Sizes 5 mL to 50 mL have +/-2% accuracy. Size 10 mL is available in "Shorty" length, for ease of use in tight spots.

Sterile pipets are available individually wrapped or bulk packaged. Individually wrapped sterile pipets are provided in 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 Graduations	Tip O.D. (mm)	Qty	Qty Break	Your Cost
3018-31	1 mL Standard	11.0	0.01	no	3.35	case/1000	1-3	<b>157.21</b>
	Bulk Packed 25 per bag						4+	<b>134.77</b>
3018-32	2 mL Standard	11.125	0.01	yes	3.73	case/500	1-3	<b>116.20</b>
	Bulk Packed 25 per bag						4+	<b>99.61</b>
3018-39	5 mL Standard	13.721	0.10	yes	3.35	case/500	1	<b>133.92</b>
	Bulk Packed 25 per bag						2+	<b>114.79</b>
3018-41	10 mL Standard	13.65	0.10	yes	3.30	case/500	1	<b>153.13</b>
	Bulk Packed 25 per bag						2+	<b>131.26</b>
3018-51	25 mL Standard	12.24	0.25	yes	4.78	case/200	1	<b>148.86</b>
	Bulk Packed 10 per bag						2+	<b>127.61</b>
3019-33	1 mL Standard	11.0	0.01	no	3.35	case/1000	1	<b>232.30</b>
	Individually Wrapped						2+	<b>199.12</b>
3019-34	2 mL Standard	11.125	0.10	yes	3.73	case/500	1	<b>182.72</b>
	Individually Wrapped						2+	<b>156.63</b>
3019-43	5 mL Standard	13.721	0.10	yes	3.35	case/200	1-3	<b>60.57</b>
	Individually Wrapped						4+	<b>51.93</b>
3019-44	10 mL Standard	13.65	0.10	yes	3.30	case/200	1-3	<b>63.73</b>
	Individually Wrapped						4+	<b>54.63</b>
3019-52	10 mL "Shorty"-Tip Individually Wrapped	9.06	0.10	yes		case/200		<b>135.84</b>
3019-45	25 mL Standard	12.24	0.25	yes	4.78	case/200	1	<b>128.32</b>
	Individually Wrapped						2+	<b>109.97</b>
3019-46	50 mL Standard	14.495		yes	5.49	pack/100	1-3	<b>193.13</b>
	Individually Wrapped						4+	<b>165.55</b>



## Biohazard Pipet Keeper

Collects contaminated pipets, swabs, and other long objects up to 15" in length right at a workstation. Pipet Keepers™ are made of sturdy paperboard lined with plastic to avoid soak-through. Printed with orange biohazard symbols. Low-cost and disposable, saving time and making it easier to maintain high lab standards.

Item No.	Dimensions	Unit of Measure	Your Cost
WHIBH2006	3" W x 3" H x 15½" L	Case of 50	<b>146.10</b>



## 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.	Your Cost
3026-26	<b>44.87</b>



## Wobble-Not Serological Pipets (VistaLab Technologies)

Wobble-Not's two-tiered step design helps to decrease insertion force while increasing the pipet stability and minimizing dripping. Sterile – RNase/DNase free and non-pyrogenic. Filter at plug end made of porous polypropylene.

Item No.	Capacity	Packaging	Unit of Measure	Inner Pack	Your Cost
MLA4090-0005	5 mL		Case of 200	50	<b>91.55</b>
MLA4090-0010	10 mL	Individually	Case of 200	50	<b>96.81</b>
MLA4090-0025	25 mL	Wrapped -	Case of 200	25	<b>91.14</b>
MLA4090-0050	50 mL	Paper/Plastic	Case of 100	25	<b>121.00</b>
MLA4090-0100	100 mL		Case of 50	10	<b>166.42</b>

Bulk packaging and short pipet style available at [weberscientific.com](http://weberscientific.com)



**NEW!**

2-Tier insertion point design for a more rigid, secure hold

## 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	±Tot mL	Qty	Qty Break	Your Cost	Qty Break	Your Cost
3018-01	1 mL Bulk packed 25 per bag	0.01	0.3	0.02	pack/1000	1-3	<b>299.63</b>	4+	<b>272.72</b>
3018-03	2 mL Bulk packed 25 per bag	0.01	0.3	0.04	pack/1000	1-3	<b>402.08</b>	4+	<b>366.01</b>
3018-05	5 mL Bulk packed 25 per bag	0.1	2	0.1	pack/500	1-3	<b>265.15</b>	4+	<b>241.33</b>
3018-11	10 mL Bulk packed 25 per bag	0.1	3	0.2	pack/400	1-3	<b>219.84</b>	4+	<b>199.32</b>
3018-13	10 mL Wide tip Bulk 25 per bag	0.1	3	0.2	pack/400	1-3	<b>219.99</b>	4+	<b>199.45</b>
3018-26	25 mL Bulk packed 10 per bag	0.2	10	0.5	pack/150	1-3	<b>199.10</b>	4+	<b>170.66</b>
3019-00	1 mL Individually wrapped	0.01	0.3	0.02	pack/500	1-3	<b>175.59</b>	4+	<b>160.20</b>
3019-02	2 mL Individually wrapped	0.01	0.3	0.04	pack/500	1-3	<b>227.89</b>	4+	<b>207.45</b>
3019-05	5 mL Individually wrapped	0.1	2	0.1	pack/200	1-3	<b>137.19</b>	4+	<b>124.87</b>
3019-10	10 mL Individually wrapped	0.1	3	0.2	pack/200	1-3	<b>123.16</b>	4+	<b>111.83</b>
3019-26	25 mL Individually wrapped	0.2	10	0.5	pack/150	1-3	<b>214.22</b>	4+	<b>187.43</b>
3019-27	100 mL Individually wrapped	1.0	none	2.0	pack/50	1-3	<b>283.17</b>	4+	<b>257.10</b>

## Plastic Serological Pipets (Celltreat)

Plastic Serological Pipets are manufactured from optically clear polystyrene and include a plug that helps prevent contamination. They are printed with bold clear bi-directional graduations and markings. Graduations are calibrated for accurate dispensing. Pipets include color coded stripes for quick volume identification. Dispensing is accurate to within ±2%.

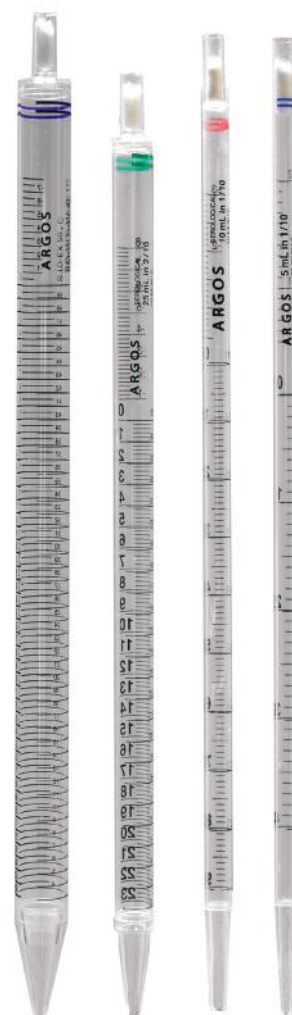
Item No.	Color-Code	Capacity	Packaging	Type	Qty	Your Cost
3018-17	Yellow	1 mL	Individually Wrapped - Paper/Plastic	Standard Bore	case/800	<b>152.51</b>
3018-18	Green	2 mL	Individually Wrapped - Paper/Plastic	Standard Bore	case/500	<b>131.55</b>
3018-19	Blue	5 mL	Individually Wrapped - Paper/Plastic	Standard Bore	case/200	<b>45.57</b>
3018-14	Orange	10 mL	Individually Wrapped - Paper/Plastic	Standard Bore	case/200	<b>83.41</b>
3018-15	Orange	10 mL	Individually Wrapped - Paper/Plastic	Wide Bore	case/200	<b>59.26</b>
3018-16	Red	25 mL	Bulk Pack/25	Standard Bore	case/200	<b>81.60</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® 51 expansion borosilicate glass conforming to USP Type I and ASTM specification E438, Type I, Class B glass requirements.

Item No.	Capacity	Sub-Graduations	divisions	Qty	Inner Pack	Your Cost
3018-510	1mL	0.2mL	0.1mL	Pack of 1000	25	<b>407.55</b>
3018-520	2mL	0.2mL	0.01mL	Pack of 500	25	<b>204.33</b>
3018-550	5mL	1.0mL	0.1mL	Pack of 500	10	<b>225.76</b>
3018-600	10mL	2.0mL	0.1mL	Pack of 500	10	<b>398.28</b>

Individually wrapped packaging available at [weberscientific.com](http://weberscientific.com)



Made from Kimax® Borosilicate Glass



## 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	Qty Break	Your Cost	Qty Break	Your Cost
<b>3022-06</b>	1.1; Ind. Wrap	0.5, 1.0, 1.1	pack/1000		<b>218.90</b>		
<b>3022-53</b>	2.2; Bags/25	0.5, 1.0, 2.0, 2.1, 2.2	pack/1000	1-3	<b>167.62</b>	4+	<b>143.67</b>
<b>3022-56</b>	2.2; Ind. Wrap	0.5, 1.0, 2.0, 2.1, 2.2	pack/800		<b>165.03</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	Your Cost
<b>3022-20</b>	pack/500; 125 per bag indiv. wrapped	<b>412.71</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	Your Cost
<b>3020-80</b>	pack/12	<b>181.63</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	Qty Break	Your Cost
<b>3020-00</b>	pack/12	1-2	<b>145.51</b>
		3+	<b>132.78</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	Your Cost
<b>3021-00</b>	pack/12	<b>161.07</b>

### Plastic Bacteriological/Milk Pipets (Celltreat)

Manufactured to meet APHA requirements shown in *Standard Methods for Examination of Dairy Products* and ASTM E1043-00(2010) *Standard Specification for Pipettes, Milk, and Cream Examination*.

Supplied Sterile, they are available either individually wrapped or in a bulk packed option.

Item No.	Color Coded	Capacity	Packaging	Qty	Your Cost
<b>3022-07</b>	Purple	1.1 mL	Bulk Pack/50	case/500	<b>98.29</b>
<b>3022-09</b>	Purple	1.1 mL	Individually Wrapped - Paper/Plastic	case/250	<b>50.57</b>
<b>3022-08</b>	Black	2.2 mL	Bulk Pack/50	case/400	<b>105.37</b>
<b>CEL229268</b>	Black	2.2 mL	Individually Wrapped - Paper/Plastic	case/250	<b>54.15</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 either are individually wrapped or wrapped in packs of 20.

Item No.	Description	Bulb Draw mL	Drops /mL	Overall Length inches/mm	Stem mL	Grad. Intvl. mL	Qty	Qty Break	Your Cost
3017-20	Wide stem; non-sterile	3.5	25	6 / 150	3	0.5	pk/500	1-9	<b>27.94</b>
								Multi. of 10	<b>24.71</b>
3017-18	Wide stem; Sterile	3.5	21	6.3 / 160	3	0.5	pk/500	1-4	<b>68.72</b>
								5+	<b>63.23</b>
3017-11	Wide stem; Sterile	3.5	21	6.3 / 160	3	none	pk/500 (pks 20)	1-9 Multi. of 10	<b>40.25</b> <b>32.19</b>
3017-29	Narrow stem; non-sterile	3.5	25	6 / 150	1	0.25	pk/500	1-9 Multi. of 10	<b>36.95</b> <b>33.24</b>
3017-27	Narrow stem; Sterile	3.5	21	6.3 / 160	1	0.25	pk/500	1-4 5+	<b>54.13</b> <b>49.80</b>
3017-12	Narrow stem; Sterile	3.5	21	6.3 / 160	1	0.25	pk/500 (pks 20)	1-9	<b>30.46</b>
								Multi. of 10	<b>30.46</b>



## Plasteur Pipets (CELLTREAT)

*Aspirating precision of a glass pipet with the safety benefits of plastic*

Plastic Plasteur pipets will not shatter, eliminating losses due to broken glass fragments in your work. Reduce costs by eliminating "sharps" disposal and reducing damage caused by shipping and handling. These unique pipettes are available in either Polystyrene or Polypropylene. Both varieties are autoclavable and available in 5.75" and 9" for easier handling and longer reach for working in larger vessels.

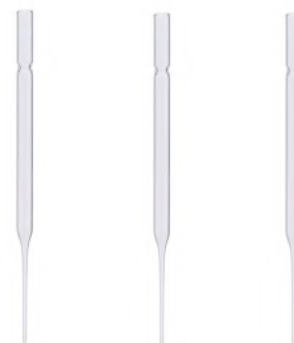
Item No.	Description	Length	Packaging	Unit of Measure	Inner Pack	Your Cost
CEL229286	Sterile Polypropylene	9"	Bulk Bags	Case of 500	25/Bag	<b>91.14</b>
CEL229281	Sterile Polypropylene	9"	Individually Wrapped	Case of 200	50/Bag	<b>80.23</b>
CEL229276	Sterile Polypropylene	5.75"	Bulk Bags	Case of 500	25/Bag	<b>89.57</b>
CEL229271	Sterile Polypropylene	5.75"	Individually Wrapped	Case of 200	50/Bag	<b>79.14</b>
CEL229280	Sterile Polystyrene	9"	Individually Wrapped	Case of 200	50/Bag	<b>64.58</b>
CEL229270	Sterile Polystyrene	5.75"	Individually Wrapped	Case of 200	50/Bag	<b>52.15</b>
CEL229279	Aspirating Bulb for use with Plasteur Pipet (non-sterile)			Case of 12	12/Bag	<b>27.01</b>



## Kimble Disposable Glass Pasteur Pipets (DWK Scientific)

An economical alternative to plastic transfer pipets. Suitable for use in hematology, bacteriology, and in general laboratory applications. Straight cut tips provide accurate liquid dispersal. Strong corrugated packaging provides protection from external shock. A positive constriction approximately one inch from the top prevents the cotton plug from slipping into the pipet barrel. Fire-polished top for easy bulb attachment. Choose either soda lime or borosilicate glass.

Item No.	Description	Length	Unit of Measure	Your Cost
KIM72050-575	Borosilicate Glass	5 3/4"	Case of 1000	<b>92.10</b>
KIM72050-900	Borosilicate Glass	9"	Pack of 250	<b>27.36</b>
DAIG20293G	Cotton-Plugged Soda Lime Glass	5 3/4"	Pack of 250	<b>48.53</b>
DAIG20293H	Cotton-Plugged Soda Lime Glass	9"	Case of 1000	<b>164.66</b>



## RF3000® Pipette Controller (Heathrow Scientific)

Microprocessor controlled for consistent reliability and accuracy

- Fits 1-100 mL glass or plastic pipets
- 1 mL 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
- Three modes: High, Low or Gravity Mode
- Five colored and autoclavable nose cones 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



## accu-jet® pro Battery Powered Pipette Controller (BrandTech)

The accu-jet® pipette controller stands alone as a versatile and well-balanced addition to your lab. It makes lab work simple, easy and efficient, whether you use it for cell culture work, reagent preparation, or general pipetting needs.

Adjust power and precision on the fly, with pressure sensitive buttons that smoothly control pipetting speed, and achieve precise meniscus control when used with pipettes as small as 0.1 mL. The well-balanced

design features an ergonomic grip for comfortable uninterrupted use, and the integrated rest position lets you put it down without sacrificing the cleanliness or sterility of your serological pipette. It's quick and convenient, and ready when you are.

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	Qty Break	Your Cost
3099-50	RF3000, 115 V	each	1	343.40
			2+	318.87
3099-55	Replacement filters	pack/5		39.12

Item No.	Description	Qty	Qty Break	Your Cost
3016-71	accu-jet pro pipette controller, berry color coded *	1	1-2	374.39
			3+	351.57

\* Other colors available at [weberscientific.com](http://weberscientific.com)

Item No.	Mfr. Item No.	Description	Qty	Qty Break	Your Cost
3016-73	26535	Replacement membrane filter 0.2 µm; non sterile	pk/10		143.40
3016-57	26056	Replacement membrane filter 3 µm; non sterile	pk/10	1-2 3+	119.59 109.59



## ali-Q 2 Aliquoting Pipette Controllers (VistaLab Technologies)

2-in-1 controller combining repeat and conventional pipetting to provide faster, easier, and more accurate aliquoting without the need to watch lines. The ali-Q is the only way to perform Repeat Pipetting using Serological pipettes: set aliquot speed (VS models only), set aliquot volume, then press and hold the aliquot button for each aliquot.

Set Aliquot Speed (VS Models Only)



Set Aliquot Volume



Press Aliquot Button To Dispense Each Aliquot

- Use any size and any brand of serological pipettes.
- Ideal for cell culture, dispensing media, filling plates, tubes, cryovials, etc.
- Choose from: ali-Q 2, ali-Q 2 LS (Low Speed), or ali-Q 2 VS (variable speed).

Item No.	Description	Volume	Your Cost
MLA2100-0003	ali-Q 2 LS (Low Speed)	0.3 - 3.0 mL	592.31
MLA2100-0005	ali-Q 2	0.5 - 5.0 mL	592.31
MLA2100-1005	ali-Q 2 VS (Variable Speed)	0.5 - 5.0 mL	779.17
CEL2100-1010	ali-Q 2 VS (Variable Speed)	1-10mL	736.27

## Original Portable Pipette-Aid Pipette Controller (Drummond Scientific)

Pipettes over 2000 times without recharging

Used by millions of technicians all over the world, the Drummond Scientific Portable Pipette-Aid Pipette Controller has earned a well-deserved reputation for reliability and durability in the laboratory. The filtered, fail-safe nosepiece provides positive protection for the electronic components and prevents cross-contamination due to over-pipetting.



- Flow rate is better than 25mL at 5 seconds with 100mL pipette
- Cordless convenience
- Tissue Culture Nosepiece provides quick disconnect and easier assembly
- Holster-type wall bracket included

Item No.	Description	Your Cost
DRM4-000-100	Original Portable Pipet-Aid with 110V recharger (UL/CSA Approved) plus 4 replacement filters	430.77
DRM4-000-051	Replacement Filters; 5/PK	32.90





## ProPette™ XL Pipette Controller

### Fits 1 to 100 mL pipets

Ambidexterous. Variable speed control. Lightweight at only 6.3 oz. / 170 gram. Get 8 hours of continuous use – about 2,500 pipettings per charge. 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	Qty	Your Cost
3099-60	ProPette XL Electronic Pipette Controller with Retractable Stand	1 2+	<b>266.53</b> <b>248.76</b>
3099-59	Replacement 0.45 µL Filter		<b>19.98</b>
3099-58	Replacement 5V Lithium Battery		<b>28.53</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.

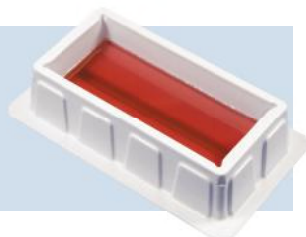
Item No.	Fits Pipets, up to mL	Color Coded	Your Cost
3016-22	2	blue	<b>44.15</b>
3016-24	10	green	<b>32.00</b>
3016-26	25	red	<b>38.34</b>

## 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	Your Cost
3016-47	2	blue	<b>10.17</b>
3016-48	10	green	<b>11.35</b>
3016-49	25	red	<b>11.94</b>

Find reagent reservoirs at [weberscientific.com](http://weberscientific.com)



## 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	Qty Break	Your Cost
3016-50	Gray	1-2 3+	<b>104.17</b> <b>98.24</b>
3016-51	Blue	1-2 3+	<b>104.17</b> <b>98.24</b>
3016-52	Magenta	1-2 3+	<b>104.17</b> <b>98.24</b>
3016-54	Green	1-2 3+	<b>104.17</b> <b>98.24</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>119.59</b> <b>109.59</b>
3016-66	Replacement Valve System		<b>54.85</b>
3016-63	Replacement Silicone Adapter		<b>13.43</b>



## 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.

3016-30      3016-32

Item No.	Description	Color	Qty Break	Your Cost
3016-30	Natural Rubber	black	1-9 10+	<b>12.45</b> <b>9.48</b>
3016-40	Silicone	black	1-4 5+	<b>18.51</b> <b>14.46</b>
3016-32	Natural Rubber	red	1-9 10+	<b>12.45</b> <b>9.48</b>
3016-42	Silicone	red	1-4 5+	<b>18.51</b> <b>14.46</b>
3016-34	Natural Rubber	blue	1-9 10+	<b>12.45</b> <b>9.48</b>



## 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* ≤ ± %	μL	CV* ≤ %	μL	Qty Break	Your Cost
2901-26	4600130	0.5-5	0.1	0.5	25	0.1	5	1	<b>492.58</b>
								2+	<b>461.78</b>
2901-27	4600140	1-10	0.2	0.5	50	0.1	10	1	<b>492.58</b>
								2+	<b>461.78</b>
2901-28	4600150	2.5-25	0.5	0.5	125	0.1	25	1	<b>678.99</b>
								2+	<b>636.55</b>

### Dispensette® S, Digital Easy Calibration™

Item No.	Mfg Item No.	Volume mL	Increments mL	A* ≤ ± %	μL	CV* ≤ %	μL	Qty Break	Your Cost
2901-30	4600330	0.5-5	0.02	0.5	25	0.1	5		<b>570.72</b>
2901-31	4600340	1-10	0.05	0.5	50	0.1	10		<b>570.72</b>
2901-32	4600350	2.5-25	0.1	0.5	125	0.1	25		<b>767.35</b>

### Dispensette® S Organic, Analog-adjustable

Item No.	Mfg Item No.	Volume mL	Increments mL	A* ≤ ± %	μL	CV* ≤ %	μL	Qty Break	Your Cost
2901-34	4630130	0.5-5	0.1	0.5	25	0.1	5	1	<b>525.48</b>
								2+	<b>492.64</b>
2901-35	4630140	1-10	0.2	0.5	50	0.1	10	1	<b>525.48</b>
								2+	<b>492.64</b>
2901-36	4630150	2.5-25	0.5	0.5	125	0.1	25	1	<b>732.84</b>
								2+	<b>687.05</b>
BRA4630160	4630160	5-50	1	0.5	250	0.1	50		<b>970.73</b>
BRA4630170	4630170	10-100	1	0.5	500	0.1	100		<b>1,216.82</b>

### Dispensette® S Organic, Digital Easy Calibration™

Item No.	Mfg Item No.	Volume mL	Increments mL	A* ≤ ± %	μL	CV* ≤ %	μL	Qty Break	Your Cost
2901-38	4630330	0.5-5	0.02	0.5	25	0.1	5		<b>627.30</b>
2901-39	4630340	1-10	0.05	0.5	50	0.1	10		<b>627.30</b>
2901-40	4630350	2.5-25	0.1	0.5	125	0.1	25	1	<b>838.90</b>
								2+	<b>786.48</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)

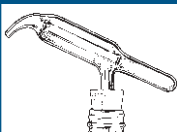
Rugged construction and affordably priced. Ideal for routine lab use with buffers, dilute acids, bases, biological media, polar solvents. Easy to operate, clean and maintain. Low cost replaceable wear parts for long life. Includes adapters for most reagent bottles. One year warranty.

Item No.	Size	Adjustable Volume	Subdivision mL	Inaccuracy	Reproducibility, <= %	Qty Break	Your Cost
2902-04	10 mL	1-10 mL	0.2	≤ ±1.2	0.2	1-2	<b>151.16</b>
						3+	<b>142.05</b>
2902-08	25 mL	2.5-25 mL	0.5	≤ ±1.2	0.2	1-2	<b>196.56</b>
						3+	<b>184.73</b>

### Replacement Parts for seripettor® (BrandTech)

Item No.	Description	Quantity	Your Cost
2902-10	Dispensing cartridge for 10 mL	pack/3	<b>73.54</b>
2902-12	Dispensing cartridge for 25 mL	pack/3	<b>98.57</b>
2902-14	Filling tube, PP, 250 mm	pack/2	<b>12.34</b>
2902-16	Filling tube, PP, 500 mm	pack/2	<b>17.57</b>
2902-18	Valve set (1 filling valve, 1 discharge valve, 2 seals)	each	<b>40.59</b>
2902-20	Discharge tube, PP	each	<b>46.51</b>
2902-46	Square amber dispenser bottle, 1000 mL	each	<b>55.63</b>

### ACCESSORIES: FOR DISPENSERS



Tilt Measures see page 67.

### Orion Pro Star PH211 pH/ORP Benchtop Meter (Thermo Scientific)

Designed to provide accurate, reliable electrochemistry testing. Featuring an intuitive interface, enhanced data reporting and robust functionality, the Orion Pro Star PH211 meter delivers advanced performance in a modern and simplified package.

The Orion Pro Star PH211 meter features a wide range of parameter capabilities, including pH, mV, or ORP with temperature.



8123-01

- Large 7-inch, high-resolution color display
- Responsive capacitive touchscreen operable with gloves
- Angled display to help ensure ergonomic viewing
- Streamlined, easy to operate user interface
- Vertical meter orientation helps optimize bench space
- Supports GLP compliance
- Stores 20 calibration logs per parameter with date and time
- Stores 10,000 data log sets with date and time
- Outputs to a printer, computer, or USB flash drive for long-term data retention
- Inputs sample ID with optional USB barcode scanner, USB keyboard, or USB mouse
- Meter-controlled and meter-powered stirrer probe

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	-30.0 to 130.0°C (-22.0 to 266.0°F)
Temperature Resolution	0.1°C (0.1°F)
Temperature Relative Accuracy	±0.3°C (±0.5°F)
Electrode Inputs	BNC, 8-pin MiniDIN (ATC), reference pin-tip
Data Outputs	1 USB-A port for USB flash drive; 1 export port for computer or compact ink printer
Accessory Inputs	1 USA-A port for USB mouse, USB keyboard or USB barcode scanner
Certifications	CE, TUV 3-1, FCC Class A
Meter Warranty	2-Years

Item No.	Description	Mfg Item No.	Your Cost
8123-01	pH Benchtop Meter only	PSTAR2110	1,048.67
8123-03	pH Benchtop Meter Kit <i>includes:</i> Ross Ultra Triode refillable electrode (Weber # 3802-12) pH 4, 7, 10 buffers and rinse solution pouches Electrode storage solution & cleaning solution pH electrode storage sleeve and base	PSTAR2115 8302BNUMD	1,295.67
8123-04	pH Benchtop Meter Kit <i>includes:</i> ROSS Ultra Triode epoxy-body pH/ATC electrode (Weber # OR18157BNUMD) pH 4, 7, 10 buffers and rinse solution pouches Electrode storage solution & cleaning solution pH electrode storage sleeve and base	PSTAR2116 8157BNUMD	1,295.67

### Orion Lab Star PH111 Series pH/mV Benchtop Meters (Thermo Scientific)

*Simplify your pH and ORP sample measurements.*

Measure pH or ORP simultaneously with mV and temperature. Featuring a large, backlit display for easy viewability and small footprint to save bench space, this pH meter is ideal for simplified, budget-friendly lab testing. Use the onscreen stabilizing and ready indicators to help identify when pH meter and ORP meter readings are complete. View active pH, ORP and temperature calibration logs with date and time stamp, record key measurements using the 500-point data log with date and time stamp and output all logs to a printer or computer.



3801-26

- Comes with a stand that helps facilitate electrode movement.
- On-screen icons indicate measurement stability statuses, giving you greater confidence in your readings.
- Simultaneously read pH, mV and temperature with a stand that helps facilitate electrode movement into and out of samples.
- Perform one- to five-point pH calibrations
- Calibrate using automatic buffer recognition or manual entry within the same calibration
- Complete one-point ORP calibration using a custom or Orion ORP standard
- View an electrode condition icon to determine the status of your pH electrode
- Review pH, ORP and temperature calibration logs with date and time stamps

pH Range	-2.000 to +18.000
pH Resolution	0.001, 0.01, 0.1
pH Accuracy	±0.005, ±1 LSD
pH Calibration Points	1 to 5 points
mV Range	±2000.0
mV Resolution	0.1 mV
mV Accuracy	±0.2 or ±0.05%, whichever is greater
ORP Range	±2000.0 mV with ±250 mV offset
ORP Calibration Points	1 (ORP)
Temperature Range	23.0°F to 221.0°F
Temperature Resolution	0.1°C, 0.1°F
Temperature Accuracy	±0.3°C/±0.5°F
Inputs	BNC, 8-pin mini-DIN
Power Requirements	Universal 100-240 V 50/60 Hz
Certifications/Compliance	CE, TUV 3-1, FCC Class A
Warranty	3 year meter warranty

Item No.	Description	Mfg Item No.	Qty Break	Your Cost
3801-26	pH Benchtop Meter only	LSTAR1110	1	634.58
			2+	555.27
3801-27 *	pH Benchtop Meter Kit <i>includes:</i> Orion Triode Refillable Electrode (Weber #3802-17) pH 4.01 Buffer (475 mL) pH 7.00 Buffer (475 mL) pH 10.01 Buffer (475 mL) pH electrode storage solution Electrode cleaning solution (4 x 60 mL)	LSTAR1115 9157BNUMD 910104 910107 910110 910060 900024	1 2+	869.48 760.80

\* Electrode included with this kit is not recommended for use with dairy. See page 113 for dairy specific electrodes.





## Benchtop pH Meter 5500

Offers superior value and performance at an economical price. The large display makes measurements easy to read. The splash-resistant membrane keypad provides easy calibration and operation.

Two point calibration is quick and easy with automatic buffer recognition of two buffer sets (4.01, 7.00, and 10.01; or 4.00, 6.86 and 9.18). The automatic lock mode notifies the user when the reading has stabilized and will hold the reading. Temperature compensation is automatic when

either the 3-in-1 probe (included) or a separate ATC probe is used.

Inputs include BNC for electrode, 8-pin DIN for temperature probe, pin plug for reference pH, and AC input. The meter can operate on AC power or batteries.

### Key Features

- Giant LCD with 16mm character size
- Auto-block mode
- 3-in-1 probe and swing-arm stand included with purchase of meter
- ~50 hour battery life

### Specifications

pH Range	-6.00 to 20.00
pH Resolution	0.01
pH Relative Accuracy	+/-0.01 +/-1LSD
mV Range	±2000.0
mV Resolution	1.0
mV Relative Accuracy	+/-0.05% FS +/- 1LSD
Temperature Range	-10.0 to 120.0°C
Temperature Resolution	0.1°C
Temperature Relative Accuracy	+/-0.5°C
pH Buffer Recognition	(4.01, 7.00, 10.01) or (4.00, 6.86, 9.18)
pH Electrode Offset Recognition	±90 mV at pH 7.00 or 6.86
pH Electrode Slope Recognition	±30% at pH 4.00, 4.01, 9.18, or 10.01
Calibration Backup	EEPROM
ATC Probe	Thermistor, 10k ohm at 25°C
RS-232 communication	Base Rate 9600

Item No.	Description	Your Cost
JCO6173KBA	5500 pH Meter Includes: meter; electrode stand; and pH/temperature probe	330.52
JCO6000P	Replacement Electrode 3-in-1 pH/Reference/ATC Temperature	56.68



Find the Orion Versa Star® Series Benchtop pH Meter at [weberscientific.com](http://weberscientific.com)



## Starter 300 Portable pH Meter (Ohaus)

This portable meter can be operated in the lab with the support of a built-in stand, or in the field. Fits comfortably in the palm of your hand and has an easy-to-use, well-organized LCD screen with one-touch recall of calibration data and stored information. They are also equipped with IP54 protection which shields the meter from damage by water and dust particles.

Features automatic and manual temperature compensation to ensure accurate readings while a 30 measurement library stores

for future reference. The auto buffer recognition stores calibration data and help to avoid errors during the calibration process.

### Specifications

pH Range	0.00-14.00
pH Resolution	0.01
pH Relative Accuracy	±0.01
mV Range	±1999
mV Resolution	1
mV Relative Accuracy	±1
Temperature Range	0°C - 100°C
Temperature Resolution	0.1°C
Temperature Relative Accuracy	±0.5°C
Calibration	3 points; 4 predefined buffer groups
Temperature Compensation	ATC and MTC
Size and Weight	90W x 150D x 35H, mm/0.18 kg (without batteries)
Display	Liquid Crystal
IP Protection	IP54

Item No.	Model No.	Description	Your Cost
OHS83033961	ST300	pH Meter + 3-in-1 Plastic Gel pH Electrode, and pH Buffer Powder Sachet	458.07



Find Titrators at [weberscientific.com](http://weberscientific.com)



### 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.

Specifications	
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	Your Cost
3801-76	Waterproof pH & ISE 450 portable meter with electrode	908.21
3814-23	Replacement "All-in-One" Electrode waterproof with single junction and epoxy body	154.91
3801-80	Optional Temperature Probe	78.94



### 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	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)	400.57
3815-25	pH 5+ Meter with single-junction, sealed, epoxy-body electrode, ATC probe, rubber boot, and batteries	452.76

Item No.	Description	Your Cost
3815-33	ATC probe	67.02
3815-31	pH electrode, single junction, epoxy body, sealed	58.37
3815-28	All-in-one pH electrode, single junction, epoxy body, sealed	135.74
3815-29	All-in-one pH electrode, double junction, epoxy body, sealed	192.07



## edge® Tablet pH Meter Kit (Hanna Instruments)


**INNOVATIVE  
PRODUCT**

### A pH meter with the power of a tablet

- 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>542.84</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>193.18</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>221.80</b>
<b>3804-58</b>	HI12300	Double junction, gel filled, PEI body, pH electrode with temperature sensor	<b>145.91</b>
<b>3804-59</b>	HI12301	PEI body, double junction, gel filled pH electrode with temperature sensor and matching pin	<b>159.82</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>251.45</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>262.15</b>

Models	<b>3804-55 and 3804-62</b>
<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

Wine, Dairy and Food Electrodes for edge™ Tablet pH Meter Kit available at [weberscientific.com](http://weberscientific.com)



**NEW!**

**FOOD INDUSTRY pH METERS**



3804-40



3804-45



3804-84

3804-78

3804-86

3804-87

### Portable Food & Dairy and Meat pH Meters (Hanna Instruments)

Choose a meter to meet your specific application

#### Food & Dairy pH Meter

Designed to bring simplicity to pH testing of food and dairy products. The specialized probe features a Polyvinylidene Fluoride (PVDF) body, conical tip, and open junction making it ideal for direct measurement of semi-solid foods.

- The open junction design reduces clogging from suspended solids and proteins found in food and dairy products for a more stable pH measurement and reduced maintenance.
- The conical shaped tip design allows for penetration into solids, semi solids, and emulsions for the direct measurement of pH in a variety of food products. Low Temperature (LT) glass is used for quicker results at lower temperatures.
- Includes cleaning solution that has been engineered to keep your electrode free from oils and solids found in food products. This concentrated combination of detergents cleans your meter quickly and effectively so that your meter stays in optimum condition.

#### Meat pH Meter

Designed to bring simplicity to pH testing of meat products and engineered to withstand the tough environment of meat processing plants. The specialized probe features a Polyvinylidene Fluoride (PVDF) body, conical tip with stainless steel blade, and open junction making it ideal for the measurement of pH in meat processing.

- The open junction design reduces clogging from materials found in meat products for a more stable pH measurement and reduced maintenance.
- The conical shaped tip design allows for direct penetration into meat and meat products. The stainless-steel blade is razor sharp for easy piercing into meat and other semi-solids while protecting the glass bulb.
- Includes cleaning solution that has been engineered to keep your electrode free from oils and proteins found in meat and meat products.

Item No.	Mfr. Item No.	Description	Your Cost
3804-40	HI99161	Dairy and Cheese pH Meter Kit	568.99
3804-45	HI99163	Meat pH Meter Kit	568.99
3804-42	FC2023	Replacement Probe for 3804-40	245.31
3804-47	FC2323	Replacement Probe for 3804-45	293.87

### HALO2 Wireless pH Testers (Hanna Instruments)

Turn your phone or tablet into a laboratory grade pH meter.

The best of both worlds, a pH electrode paired with Bluetooth® 5.0 Wireless Technology. Take laboratory grade pH measurements using a compatible Apple or Android smart device and the Hanna Lab App. Simple and convenient, test anywhere! Perfect for collecting measurements out in the field, in a laboratory or classroom environment, or as part of the food production process.

Each HALO2 Wireless pH Tester is supplied with a starter kit for ready-to-use convenience. Starter kits include: pH 4.01 buffer solution sachet (2 pcs), pH 7.01 buffer solution sachet (2 pcs), electrode cleaning solution sachet (2 pcs), electrode storage solution (dropper bottle), 3V Lithium battery – CR2032, instrument quality certificate, and instruction manual (Starter kits vary slightly by item, please see website for more information).

Choose from:

#### Foodcare pH Testers

Specialized testers in the foodcare line are available for beer, bread & dough, cheese, chocolate, meat, milk, sushi, and wine.

#### General Purpose pH Testers

These general purpose testers are built for a wide variety of applications. Choose from standard, refillable, or field work testers. Field work testers are made of polyetherimide (PEI) resin for increased durability.

See [weberscientific.com](http://weberscientific.com) for a full list of specifications for each tester.

Item No.	Application	Your Cost
3804-78	Foodcare — Beer	149.94
3804-84	Foodcare — Bread & Dough	144.84
3804-79	Foodcare — Cheese	144.84
3804-85	Foodcare — Chocolate	144.84
3804-83	Foodcare — Meat	144.84
3804-89	Foodcare — Meat, Blade Compatible	138.72
3804-93	Blade for Meat Tester 3804-89	97.20
3804-81	Foodcare — Milk	159.98
3804-82	Foodcare — Sushi	149.94
3804-80	Foodcare — Wine	144.84
3804-87	General Purpose	159.98
3804-86	General Purpose — Refillable	144.84
3804-88	General Purpose — Field Work	147.90



## Foodcare Cheese, Milk and Meat pH Testers (Hanna Instruments)

### Cheese pH Tester

Designed to bring simplicity to pH testing during the cheese making process, the Cheese pH Tester is designed for direct measurement. The built-in probe features open junction, low temperature conical glass tip, and food safe PVDF body making it ideal for measuring the pH of almost all types of cheeses and curds.

### Milk pH Tester

Designed to bring simplicity to pH testing during milk processing, the Milk pH Tester is engineered to withstand the tough environment of milk processing plants. The built-in probe features an open junction, conical glass tip, and glass body making it ideal for measuring the pH of milk during processing.

### Meat pH Tester

Designed to bring simplicity to pH testing of meat, the Meat pH Tester is engineered to withstand the tough environment of meat processing plants. The built-in probe features an open reference junction, conical glass tip, and a removable sleeve design making it ideal for measuring the pH of meat.

#### Each pH Tester is supplied with:

- pH 4.01 buffer solution liquid sachet (2 pcs.)
- pH 7.01 buffer solution liquid sachet (2 pcs.)
- Cleaning solution (2 pcs.)
- Electrode storage solution, 13 mL dropper
- Instruction manual
- Quality certificate

#### Specifications for Cheese, Milk and Meat pH Testers

pH Range	0 to 14.0 pH
pH Resolution	0.1 pH
pH Accuracy (@25°C/77°F)	±0.2 pH @ 25 °C (77 °F)
pH Calibration	Automatic, at one or two points
pH Temperature Compensation	none
Automatic Shut-Off	8 minutes, 60 minutes, or can be disabled
Battery Type / Life	CR2032 Li-ion / Approximately 1000 hours of continuous use
Environment	0 to 50 °C (32 to 122 °F); RH 95% max
Dimensions	51 x 151 x 21 mm (2 x 5.9 x 0.9")
Weight	44 g (1.6 oz.)
Warranty	1 year

Item No.	Mfr Item No.	Description	Your Cost
<b>3804-34</b>	HI981032	Cheese pH Tester	<b>142.79</b>
<b>3804-35</b>	HI981034	Milk pH Tester	<b>142.79</b>
<b>3804-36</b>	HI981036	Meat pH Tester	<b>142.79</b>

## Test Tube pH Pen (Sper Scientific)

*Fits standard test tubes 16 x 50 mm or larger.*

Highly stable and accurate readings with a large LCD display. Designed for simple one-hand operation. Automatically calibrates to pH 4, 7 and 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. Comes with 2 button-cell batteries and a built-in electrode kept moist with a protective cap.

Dimensions: 9¼" x 1¼" x 1" (245 x 35 x 22 mm)

Probe: 5" x ½" (120 mm x 12 mm)

Weight: 2.5 oz (71 g)

Item Number	3806-57	3806-58
Range:	0 to 14	0 to 14
Resolution:	0.01	0.01
Accuracy:	±0.2	±0.1
Auto 3pt Calibration:	✓	✓
IP65 Waterproof:	✓	✓
Indicates Low Battery:	✓	✓
Auto Power Off:	✓	✓
Auto Buffer Recognition:	✓	✓
Hold:	✓	✓
Auto Temp Compensation:	✓	✓
°C & °F Display:		✓

Item No.	Mfr. Item No.	Description	Your Cost
<b>3806-57</b>	850062	Test Tube pH Pen	<b>55.75</b>
<b>3806-58</b>	850063	Test Tube ATC pH Pen	<b>58.48</b>



## 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.

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
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

Item No.	Mfr. Item No.	Description	Your Cost
<b>3806-81</b>	HI98103	Checker® pH Tester	<b>38.77</b>



## 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
<b>3805-70</b>	Waterproof	<b>157.20</b>
<b>3805-71</b>	Replacement Electrode for 3805-70	<b>88.66</b>

## 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
<b>3805-72</b>	<b>224.06</b>

Refillable electrode

## Replacement Electrode for 3805-72 (Extech PH115)

Item No.	Your Cost
<b>3805-74</b>	<b>95.89</b>



## PAL-pH Digital Hand-held Pocket pH Meter (Atago)

Featuring a handheld design, this digital pocket pH meter is a droplet type pH meter. It only needs a small amount of sample to operate and is widely used in many industries for different purposes, including food, beverages, chemical, biological, environmental, forensics and consumer products.

- Unbreakable glass electrode
- Uses the conductivity method of measurement. No costly reagents required.
- Measure with just 3 drops.
- Easy to clean flat sample stage
- Unconsumable KCL
- NFC reader function
- Saves past readings

### Specifications

Range	0.00 to 14.00
Resolution	0.01
Accuracy	±0.1
Calibration	Calibration at 3 points at 4.01, 6.86, 9.18
Temperature Compensation	10 to 40°C
Sample Volume	0.6mL
Power Supply	Size AAA alkaline battery x 2

Item No.	Mfr. Item No.	Your Cost
<b>3806-60</b>	4311	<b>408.00</b>





## pHTestr® 50S Spear-Tip Waterproof Pocket Tester (Oakton)

*Large electrode junction makes clogging virtually impossible*

- Replaceable double junction spear sensor
- Easy-to-navigate interface for quick setup and calibration
- IP67-rated housing is waterproof

The Oakton pH 50S Spear Waterproof Pocket pH Testr™ with its unique junction design provides increased electrolyte flow, resulting in greater contact between sample and reference, ensuring fast, stable readings. The electrode junction is 200 times larger than standard electrodes, making it virtually impossible to clog. Rugged spear tip makes it ideal for soft solids and semisolid materials like meats, cheeses, and fruit. The long, thin electrode can be used to determine pH in test tubes, micro tubes and other narrow containers. Additional features include a hold function, auto-off function, self-diagnostic error messages, and a three-segment battery-life indicator.

Range	-1 to 15 pH
Resolution	0.01 pH
Accuracy	±0.01 pH
Calibration	Up to three points
ATC	Yes
Temperature	32 to 140°F (32 to 140°F)
Waterproof/Dustproof (IP67)	IP67-rated
Power	4 AAA batteries
Battery life	250 hrs

Item No.	Mfr Item No.	Description	Your Cost
<b>3806-37</b>	35634-25	pHTestr 50S Spear Waterproof Pocket Tester	<b>585.00</b>



## Waterproof pHTestrs™ (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.

<b>Item No.</b>	<b>3806-35</b>
Range	0.00 to 15.0
Resolution	0.01
Accuracy	±0.01
Replaceable Electrode	Yes
Waterproof/Splash Resistant	Waterproof
Calibration Button	Yes—3pts
Hold Button	Yes
Battery Life	>500 hr
Auto-Off	Yes
Size, inches/mm	6.5 x1.5" 165x38mm



Item No.	Mfr Item No.	Description	Your Cost
<b>3806-35</b>	35364-30	pHTestr 30, 0.01 pH resolution with temperature display	<b>144.84</b>
<b>3806-40</b>	35624-38	replacement electrode for pHTestrs™	<b>74.70</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	Your Cost
<b>3806-70</b>	850050	non-ATC	<b>49.54</b>
<b>3806-72</b>	850051	ATC	<b>58.41</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. 24 mo. warranty.

Item No.	Your Cost
3808-77	676.26



### 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.	Qty Break	Your Cost
3808-65	1	370.33
	2+	329.14



### 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.

Item No.	Qty Break	Your Cost
3802-20	1	481.15
	2+	429.44



### 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.

Item No.	Qty Break	Your Cost
3802-05	1	332.45
	2+	296.50



### 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.	Qty Break	Your Cost
3802-12	1	750.14
	2+	685.65



### Triode™ pH/ATC Epoxy pH Electrode (Thermo Orion 9107BNM)

**Sealed non-refillable gel; BNC-MiniDin**

Recommend use: Lower maintenance routine pH.

Item No.	Qty Break	Your Cost
3802-14	1	348.55
	2+	309.47



### Triode™ pH/ATC Epoxy pH Electrode (Thermo Orion 9157BNM)

**Refillable; BNC-MiniDin**

Recommend use: Routine pH.

**Not recommended for use with dairy products, not for proteins.**

Item No.	Qty Break	Your Cost
3802-17	1	484.93
	2+	432.42



### All-in-One, Gel Filled, Epoxy pH Electrodes (Oakton 35811-71/72)

**Sealed non-refillable; BNC/phono** Six month warranty.

Recommend Use: Economical general purpose electrode. For use with newer Oakton meters.

Item No.	Description	Your Cost
3815-28	Single-junction	135.74
3815-29	Double-junction	192.07



### ROSS Ultra™ Refillable Epoxy Bodied pH/ATC Triode™ (Orion 8157BNUMD)

Best suited for use in strong acids/bases, pH > 12 or pH < 2, food & cosmetic emulsions, pure water and slurries.

Item No.	Your Cost
ORI8157BNUMD	746.05

## 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.	Your Cost
3802-98	481.00

## 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.	Qty Break	Your Cost
3808-60	1	513.35
	2+	456.92



**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.	Qty Break	Your Cost
3802-60	1	668.68
	2+	610.74



**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.	Qty Break	Your Cost
3802-79	1	779.50
	2+	682.06



**ROSS Ultra® Epoxy pH Electrode (Orion 8156BNUWP)**

**Refillable; BNC; Waterproof**

**Recommended Use:** General purpose when precise pH determination is required.

Item No.	Qty Break	Your Cost
3802-78	1	637.43
	2+	602.89



**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.	Qty Break	Your Cost
3802-55	1	675.31
	2+	615.99



**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.	Your Cost
3808-05	111.97



### 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.	Qty Break	Your Cost
3802-64	1	683.84
	2+	623.85



#### 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.	Qty Break	Your Cost
3802-45	1	683.84
	2+	610.44



#### 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.	Your Cost
3808-14	164.12

### Need Help Finding the Right Electrode?

There are a lot of electrode options. Our expert team of account managers are here to help suggest the best electrode for your specific application.

**Contact us today to learn more.**

### 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.	Qty Break	Your Cost
3802-35	1	380.76
	2+	333.16



#### Economy Series pH Combination Electrodes (Orion 9106BNWP)

Combination Ag/AgCl pH Electrode, non-refillable. Waterproof BNC.

Item No.	Your Cost
OR9106BNWP	178.25



#### 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.	Your Cost
3808-25	117.50



#### 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.

**Not recommended for use with dairy products, not for proteins.**

Item No.	Qty Break	Your Cost
3802-10	1	320.14
	2+	284.64

#### ACCESSORIES:



DI Water see page 58.  
Wash Bottles see page 83.



### 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.	Your Cost
3815-31	58.37

### Single Junction, Electrodes



### Waterproof pH Electrode (Orion 9102BNWP)

**Refillable; BNC**

**Recommended Use:** General purpose pH for accurate Q.C. and research applications.

Item No.	Qty Break	Your Cost
3802-80	1	296.45
	2+	275.97



### 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.	Qty Break	Your Cost
3802-31	1	392.12
	2+	348.79



### Electrode Storage Bottles (Thermo Orion)

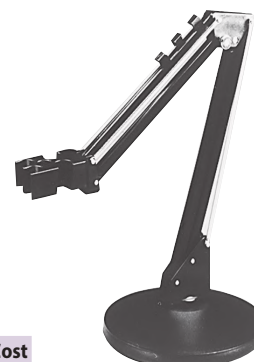
For use with glass body 12mm electrode. Pack of 3.

Item No.	Your Cost
3803-04	77.40

## Electrode Accessories

### 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.	Your Cost
3800-72	117.16

### 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.	Your Cost
3800-91	810017	69.55

### Electrode Washer (Bel-Art Scienceware)

**Saves valuable lab time when performing multiple pH measurements!**

Unique device offers a safe, convenient way to clean delicate pH electrodes in place without the risk of damage or scratches. 500 mL reservoir is filled and set in place so that electrode hangs down into spray chamber. When reservoir is squeezed, a spray of water rinses the electrode and then drains off into sink via vinyl tubing provided. Polyethylene.



Item No.	Your Cost
3800-90	139.82





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
3808-75	FC240B	For dairy products, cheese quality control applications. Stainless steel shaft with pointed hardened glass tip.	321.02
3808-41	FC200B	Recommended for milk, yogurt, dairy products, semi-solid foods applications.	221.80
3808-43	FC210B	Recommended for milk, yogurt and cream applications.	251.60
3808-44	FC220B	Recommended for milk, yogurt and cream applications.	251.45

**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	Qty	Your Cost
3077-02	9800	0-14 pH with readings at each whole pH	Vial of 100 strips	14.86
3077-06	9200	0-6.0 pH with readings at each half and whole pH number	Vial of 100 strips	14.86
3077-08	9700	5.5-8 pH with readings at every .2 to .3 interval	Vial of 100 strips	14.86
3077-07	9400	5-9 pH with readings at each half pH number	Vial of 100 strips	14.86
3077-03	9600	6.5-13 pH with readings at each half and whole pH number	Vial of 100 strips	14.86

**ColorHast® 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	Your Cost
3075-75	9590-3	0-14 pH	pack/100	37.16
3075-76	9583-1	6.5-10 pH	pack/100	37.09

**Economy pH Strips**

Provides distinct color for 10 separate pH readings in the range of 1 to 14. Each vial contains 100 strips.

Item No.	Qty Break	Your Cost
3075-79	1-99	2.07
	100+	1.97



3075-79





## Electrode Reference Fill Solution

Item No.	Mfr. Item No.	Description	Application	Size	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	<b>40.62</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	<b>131.65</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>73.64</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>82.73</b>
<b>3803-03</b>	Oakton 35803-74	4 M KCL	Standard double junction pH electrodes	125 mL	<b>40.62</b>
<b>3803-01</b>	Orion 910008	3 M KCl	Standard double junction pH electrodes	5 X 60 mL	<b>130.92</b>
<b>3803-10</b>	Orion 810007	3 M KCl solution	ROSS™ double junction pH electrodes	5 X 60 mL	<b>135.45</b>
<b>H25469-02</b>	Hach	Potassium Chloride Reference Electrolyte Gel Cartridges	Hach pH electrodes 5191000 / 5191011 5191022	pk/2	<b>27.96</b>

## General Electrode Cleaning Solution

Item No.	Mfr. Item No.	Description	Application	Size	Your Cost
<b>3803-20</b>	Oakton 00653-06	Cleaning solution	All electrodes	473 mL (1 pint)	<b>26.97</b>
<b>3805-30</b>	Orion 841101	Sodium Maintenance/ Storage Solution	ROSS sodium ion selective electrodes	475 mL	<b>88.65</b>
<b>3807-59</b>	Hach C20C370	Protein specific cleaning solution	pH electrodes	250 mL	<b>84.62</b>
<b>3809-54</b>	Hanna HI7061M	Cleaning Solution	All electrodes	250 mL (8.5 oz.)	<b>18.46</b>
<b>3809-55</b>	Hanna HI7061L	Cleaning Solution	All electrodes	500 mL (16.9 oz)	<b>20.39</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>38.31</b>
<b>3809-32</b>	HI70641L	Cleaning and Disinfection Solution for Milk Deposits	500 mL	<b>38.31</b>
<b>3809-34</b>	HI70642L	Cleaning Solution for Cheese Deposits	500 mL	<b>38.31</b>
<b>3809-38</b>	HI70630L	Acid Cleaning Solution for Meat Grease and Fat	500 mL	<b>38.85</b>
<b>3809-40</b>	HI70631L	Alkaline Cleaning Solution for Meat Grease and Fat	500 mL	<b>38.85</b>
<b>3809-42</b>	HI700640P	Cleaning Solution for Milk Deposits	25 X 20 mL sachets	<b>43.66</b>
<b>3809-44</b>	HI700641P	Cleaning and Disinfection Solution for Milk Deposits	25 X 20 mL sachets	<b>42.80</b>
<b>3809-46</b>	HI700642P	Cleaning Solution for Cheese Deposits	25 X 20 mL sachets	<b>43.66</b>
<b>3809-48</b>	HI700630P	Acid Cleaning Solution for Meat Grease and Fat	25 X 20 mL sachets	<b>42.80</b>

## Electrode Storage Solution

Item No.	Mfr. Item No.	Description	Size	Your Cost
<b>3803-05</b>	Orion 910001	Storage Solution	475 mL	<b>75.11</b>
<b>3803-33</b>	Orion 810001	ROSS pH Electrode Storage Solution	475 mL	<b>106.08</b>
<b>H26573-64</b>	Hach	Powder pillow storage solution	pk/20	<b>61.69</b>
<b>H27565-49</b>	Hach	Storage solution	500 mL	<b>63.49</b>
<b>3809-50</b>	Hanna HI70300M	Storage Solution	250 mL (8.5 oz.)	<b>18.46</b>
<b>3809-51</b>	Hanna HI70300L	Storage Solution	500 mL (16.9 oz)	<b>22.75</b>

### ACCESSORIES: FOR pH



Disposable Plastic Micro Beakers see page 75.  
Magnetic Stirrers see pages 17.



H22269-66



H27700-20

### 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		36.47
H27700-20	4		Pk/20	55.38
H22270-66	7	Pk/50		36.47
H27701-20	7		Pk/20	55.38
H22271-66	10	Pk/50		36.47
H27702-20	10		Pk/20	69.77



### Traceable® pH Buffer Standards

Traceable® Certificate with every bottle

Accuracy of ±0.010 pH at 25°C. Certified Reference Materials meet Federal/State/local agencies' strictest mandates and deliver exact calibration results for any pH meter. A serial-numbered Traceable® Certificate is supplied with every bottle to indicate traceability to standards provided by NIST.

Item No.	pH	Bottle Size	Your Cost
CTL4280	4.005	16oz.	23.58
CTL4281	7.000	16oz.	23.23
CTL4282	10.012	16oz.	23.23

## Weber™ pH Buffers are Color-Coded, Highly Accurate and a Super Best Buy

### 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	17.13
		Multiples of 12	14.37
<b>pH 4, color coded RED</b>			
3076-04	500 mL	1-11	15.64
		Multiples of 12	13.13
3076-14	4 liter	1-4	65.80
		5+	59.15
3076-15	4 liter	1-4	77.01
		cube-pk	69.72
3076-24	20 liter	1-2	127.66
		3+	113.98
<b>pH 5, clear (no color code)</b>			
3076-05	500 mL	1-11	21.08
		Multiples of 12	17.70



Item No.	Size	Qty Break	Your Cost
<b>pH 7, color coded YELLOW</b>			
3076-07	500 mL	1-11	15.64
		Multiples of 12	13.13
3076-17	4 liter	1-4	65.80
		bottle	59.15
3076-18	4 liter	1-4	67.76
		cube-pk	60.91
3076-27	20 liter	1-2	129.93
		3+	115.99
<b>pH 10, color coded BLUE:</b>			
3076-10	500 mL	1-11	15.64
		Multiples of 12	13.13
3076-20	4 liter	1-4	65.80
		bottle	59.15
3076-21	4 liter	1-4	114.82
		cube-pk	103.06
3076-30	20 liter	1-2	126.08
		3+	112.59



### HydriON® 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.	Your Cost
3077-05	CC-471V	23.96

## 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	Your Cost
3025-15	0-65% brix refractometer	278.74
3025-17	40-95% brix refractometer	273.94
3025-19	0-95% brix refractometer	320.76

## 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.	Your Cost
3025-82	977.45

## Refractix Universal Digital Refractometer (Reichert)

Offers 50 pre-loaded measurement scales that meet the needs of food, beverage, beer, wine chemical, veterinary, and automobile service industries. The Refractix also contains additional memory for up to 250 measurement scales that can be programmed by the user.



Friendly and easy-to-use with both a large color touchscreen and physical buttons. Operate plugged in or on-the-go with a built-in rechargeable lithium-ion battery for maximum flexibility. Electronic data transfer connects Refractix to your Windows device via USB-C or Bluetooth® with RefractixSync™. This application allows users to transfer real-time measurements or download the measurement data log.

Range:	1.3300 to 1.5600 nD, (0.0 to 85.0 g/100g Brix)
Accuracy:	± 0.0001 nD (± 0.1 g/100g Brix)

Item No.	Your Cost
3025-91	2,710.68



## Digital Hand-Held Pen-Pro Refractometer (Atago 3730)

*Includes continuous measurement feature*

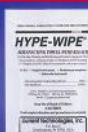
Wide measurement range of Brix 0.0 to 85.0%. There are 2 ways to measure: Either dip the tip into the sample and press the START key OR press the START key and touch the tip into the sample. There is also the feature to perform continuous measurements.

- 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.	Qty Break	Your Cost
3025-78	1	706.72
	2+	669.53

### ACCESSORIES: FOR REFRACTOMETERS



Lab Wipes see page 173.  
Salinity Tester see page 217.



## 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.

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-3	PAL-alpha
Measurement range, brix	0.0 to 53%	45.0 to 93.0%	0.0 to 93.0%	0.0 to 85%
Resolution, brix	0.1%			
Measurement accuracy	± 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	Qty Break	Your Cost
<b>3025-95</b>	PAL-1 refractometer	1	<b>438.98</b>
		2+	<b>407.82</b>
<b>3025-97</b>	PAL-2 refractometer	1	<b>505.42</b>
		2+	<b>466.19</b>
<b>ATA3830</b>	PAL-3 refractometer		<b>1,117.18</b>
<b>3025-98</b>	PAL-alpha refractometer	1	<b>632.36</b>
		2+	<b>599.10</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 (167°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>525.25</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.	Qty Break	Your Cost
<b>5029-02</b>	1	<b>524.58</b>
	2+	<b>487.97</b>



Find more refractometers options at [weberscientific.com](http://weberscientific.com)



3025-45

3025-51

3025-43

## Brix Refractometers (Atago)

Measures the concentration of sucrose in solution. Atago refractometers have a worldwide 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	Qty Break	Your Cost
3025-43	2351 MASTER 53A	0 to 53	yes	fruit, juices, soft drinks	1	<b>441.15</b>
					2+	<b>416.64</b>
3025-44	2352 MASTER 53T	0 to 53	yes		1	<b>322.21</b>
					2+	<b>304.34</b>
3025-45	2353 MASTER 53M	0 to 53	no	fruit, juices, soft drinks	1	<b>302.18</b>
					2+	<b>285.40</b>
3025-51	2354 MASTER-50H	0 to 50	yes	For high-temperature/corrosive samples and sauces 0.5% Resolution, +/-0.5% Accuracy	1	<b>443.87</b>
					2+	<b>419.21</b>
3025-53	2364 MASTER-80H	30 to 80	no	For high-temperature/corrosive samples and jams 0.5% Resolution, +/-0.5% Accuracy	1	<b>443.87</b>
					2+	<b>419.21</b>

## 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.	Your Cost
3025-60	<b>105.78</b>

## Waterproof Digital Refractometer Brix (Sper Scientific)

*Rugged & waterproof, ideal for field use*

- IP65 Waterproof
- Rugged
- Long-life Rechargeable Battery



Item No.	Mfr. Item No.	Description	Your Cost
3025-63	300059	Range 0 to 60% Brix	<b>357.87</b>
3025-65	300060	Range 0 to 88% Brix	<b>453.56</b>



## 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)
Auto Temp. Compensation	between 10 and 40°C (50 - 104°F)
Measurement Time	Approximately 1.5 seconds
Min. 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	<b>233.72</b>
3025-74	HI96801	0-85% Brix	<b>233.72</b>

## Refractive Index Liquids (Cargille)

Accurately calibrate refractometers



Item No.	Mfr Item No.	Description	Size	Your Cost
3025-22	AA-1806-1.440	7.4ML 59.5% BRIX/1.440 Index D	¼ oz	<b>66.43</b>
3025-24	45000-OS025	7.4ML 60% BRIX/1.442 Index D	¼ oz	<b>78.41</b>

**Safety Goggles, Clear**



**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. ANSI approved. Z87.1 1989

Item No.	Details	Your Cost
4402-12	Indirect Vent	12.27



**A700 Safety Glasses (Sperian)**

Lightweight design, sport temples and soft temple tip pads for a comfortable, wraparound fit. Glasses feature a molded universal nose bridge and 9-base polycarbonate hardcoated lenses with 99.9% UV protection. Glasses feature a clear frame with clear lenses. Meets ANSI Z87.1-2003 Hard Impact and CSA Z94.3.

Item No.	Qty	Your Cost
UASA700	Each	2.42

**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	Your Cost
4334-22	248500000	500 mL / 16 oz.	17.78
4334-23	248510000	1000 mL / 32 oz.	19.53

**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.	Qty Break	Your Cost
4400-10	1-11	2.40
	12+	1.69

**Defender™ Safety Glasses, Clear Lens (Qvis)**



These safety glasses feature lightweight 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	Qty Break	Your Cost
4401-10	black	1-11	3.27
		12+	2.41
4401-20	blue	1-11	3.27
		12+	2.41



**Eyewash Safety Station**

This highly-visible green Eyewash Safety Station mounts on a wall and holds a 16-oz. polyethylene wash bottle. Unique bottle is designed to allow quick and immediate flushing to remove foreign material and help prevent serious eye damage.

A special air-vent valve prevents drawback of contaminated wash into the bottle. A perforated sprayer in the eye cup maintains a gentle stream for comfort. A drain tube releases used fluid. Bottle is supplied empty.

Item No.	Size	Your Cost
DLN205165	Complete 16 oz Station	55.46

Find ear protection at [weberscientific.com](http://weberscientific.com)





## Weber Scientific Aloe 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.

Item No.	Size	Qty	Your Cost
4333-40	small	pack/100	14.79
4333-42	medium	pack/100	14.79
4333-44	large	pack/100	14.79
4333-46	x-large	pack/100	14.79

## Glove Sizing Chart

### Palm Measurement

Find your glove size by measuring your hand using the guide below.

Glove Size	Inches	cm
<b>S</b>	2 $\frac{1}{4}$ – 3 $\frac{1}{4}$	7.36 - 8.32
<b>M</b>	3 $\frac{1}{4}$ – 3 $\frac{1}{2}$	8.12 - 8.9
<b>L</b>	3 $\frac{1}{2}$ – 4	8.9 - 10.16
<b>XL</b>	3 $\frac{3}{4}$ – 4 $\frac{1}{4}$	9.9 - 11.18



LOW DERMA™  
FDA approved low dermatitis potential

5.1-5.5 mil thickness

Matte black

Textured fingers for improved grip

10.5" extended cuff for added protection

## Fortis500 Extended Cuff Nitrile Exam Gloves (HandPRO)

Protection you can trust. Thicker than your average exam glove and features an ideal-length 10.5" extended cuff for exceptional hand protection in demanding, high-risk environments. Created from the latest patented LOW DERMA™ technology accelerator-free nitrile.

- Textured fingertips for enhanced tactile sensitivity
- Matte Black Color
- Extended (10.5") cuff for extra splash protection
- Fingertip thickness of 5.1 – 5.5 mil
- Chemotherapy Drug Permeation Tested – safe for use with certain chemotherapy drugs
- Fentanyl citrate Permeation Tested – no breakthrough >240 minutes
- LOW DERMA™ – FDA Approved Low Dermatitis Potential

Item No.	Size	Unit of Measure	Your Cost
HGI500	X-Small	Case of 1000 (10 packs of 100)	132.93
HGI501	Small	Case of 1000 (10 packs of 100)	132.93
HGI502	Medium	Case of 1000 (10 packs of 100)	132.93
HGI503	Large	Case of 1000 (10 packs of 100)	132.93
HGI504	X-Large	Case of 1000 (10 packs of 100)	132.93
HGI505	XX-Large	Case of 900 (10 packs of 900)	132.93



## Scion 700 Low Derma Nitrile Exam Gloves (HandPRO)

*High-Count Packs – Reduces packaging waste by 42%*

Each box contains 300 gloves, reducing packaging waste and saving space in storage. Created from the latest patented LOW DERMA™ accelerator-free nitrile technology, delivering improved stretch and chemical permeation resistance, excellent tactile sensitivity, and reduced risk of glove-related allergic contact dermatitis. Glove fingertip thickness of 0.08-0.10mm (3.5-3.9 mil).

Item No.	Size	Unit of Measure	Your Cost
1119228	X-Small	Case of 3000 (10 packs of 300)	177.18
1119229	Small	Case of 3000 (10 packs of 300)	177.18
1119230	Medium	Case of 3000 (10 packs of 300)	177.18
1119231	Large	Case of 3000 (10 packs of 300)	177.18
1119232	X-Large	Case of 2500 (10 packs of 250)	177.18



## FreeStyle 1100 Nitrile Exam Gloves (HandPRO)

Made from patented LOW DERMA™ accelerator-free nitrile. The unique nitrile compound sheds water better for a more secure grip – even in wet environments. Glove Thickness – Palm: 2.3 – 2.7 mil, Finger: 3.9 – 4.7 mil

Item No.	Size	Unit of Measure	Your Cost
HGI1106	XX-Small	Case of 1000 (10 packs of 100)	88.62
HGI1100HGI	X-Small	Case of 1000 (10 packs of 100)	88.62
1117786	Small	Case of 1000 (10 packs of 100)	88.62
1117787	Medium	Case of 1000 (10 packs of 100)	88.62
1117788	Large	Case of 1000 (10 packs of 100)	88.62
1117789	X-Large	Case of 1000 (10 packs of 100)	88.62
HGI1105	XX-Large	Case of 1000 (10 packs of 100)	88.62

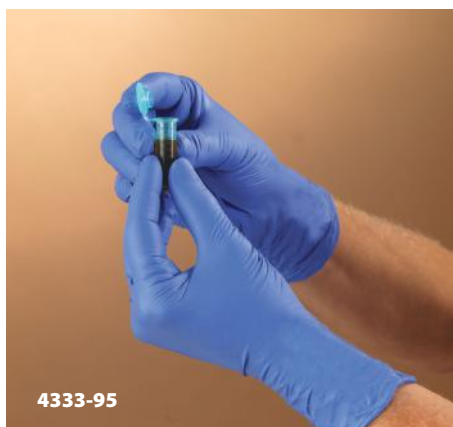
### ACCESSORIES: FOR SANITATION AND SAFETY SUPPLIES



Hand Cream see page 172.



4332-88



4333-95



4333-65

All disposable gloves are supplied in a dispenser box.

**POLYETHYLENE DISPOSABLE**

**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	3.22
			multiples of 20	3.05

**STERILE NITRILE**

**Kimtech Pure® G3 Sterile Nitrile Gloves (Kimberly-Clark Professional)**

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 endotoxin 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.

Item No.	Mfr. Item No.	Size	QtyBreak	Your Cost
4333-60	HC61180	8	1-3 4+	72.72 55.73
4333-61	HC61190	9	1-3 4+	75.55 64.98
4333-62	HC61110	10	1-3 4+	73.41 61.83

**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.

**Extra Soft Powder-Free Exam Grade - Periwinkle**

2.4 mil palm thickness

*Extra soft for enhanced tactile sensitivity.*

Item No.	Size	Qty	Your Cost
4332-88	small	pack/100	12.93
4332-90	medium	pack/100	12.93
4332-92	large	pack/100	12.93
4332-94	x-large	pack/100	12.93

**BEST SELLER Powder-Free Exam Grade - Blue**

3.5 mil palm thickness

*Exceptional fit, feel and durability.*

Item No.	Size	Qty	Your Cost
4333-95	small	pack/100	11.51
4333-96	medium	pack/100	11.51
4333-97	large	pack/100	11.51
4333-98	x-large	pack/100	11.51

**Powder-Free Food Grade - Black**

5.0 mil palm thickness

*Strong yet flexible, designed for secure wet or dry handling.*

Item No.	Size	Qty	Your Cost
4333-65	small	pack/100	13.58
4333-66	medium	pack/100	13.58
4333-67	large	pack/100	13.58
4333-68	x-large	pack/100	13.58



### Weber Scientific Latex Disposable Powder-Free 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.



### MICROFLEX® Diamond Grip™ Latex Exam Grade

- Extra gripping power
- Beaded cuff 9" length
- 7 mil thick
- Powder-Free

Item No.	Description	Qty	Qty Break	Your Cost
4327-45	powder-free – small	pack/100	1-99	<b>31.46</b>
			multiples of 100	<b>32.41</b>
4327-47	powder-free – medium	pack/100	1-99	<b>31.46</b>
			multiples of 100	<b>32.41</b>
4327-49	powder-free – large	pack/100	1-99	<b>31.46</b>
			multiples of 100	<b>28.10</b>
4327-51	powder-free – x-large	pack/100	1-99	<b>31.46</b>
			multiples of 100	<b>28.10</b>

Item No.	Description	Qty	Your Cost
4333-30	powder-free – small	pack/100	<b>14.01</b>
4333-32	powder-free – medium	pack/100	<b>14.01</b>
4333-34	powder-free – large	pack/100	<b>14.01</b>



### OMNI® Neoprene Heavy Duty Gloves (Ansell)

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	Your Cost
4328-25	7 (small)	<b>2.50</b>
4328-30	8 (medium)	<b>2.50</b>
4328-40	10 (x-large)	<b>2.50</b>

### Sol-Vex Nitrile Reusable Gloves (Ansell)

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	Your Cost
4332-10	9 (small/medium)	12 pair	<b>26.49</b>
4332-12	10 (medium/large)	12 pair	<b>26.49</b>
4332-14	11 (large/x-large)	12 pair	<b>26.49</b>

### 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).

Gloves not included



Item No.	Mfr Item No.	Capacity	Size	Your Cost
3050-88	F247390001	Single box	14W x 10.8D x 21H cm (5 1/2W x 4 1/4D x 8 1/4"H)	<b>42.34</b>
3050-90	F247390003	Triple box	43.2W x 10.8D x 21H cm (17 1/2 W x 4 1/4D x 8 1/4"H)	<b>56.62</b>

### 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.



Gloves not included

Item No.	Mfr. Item No.	Your Cost
3050-93	RG001	<b>44.85</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>2.57</b>
			Multi. of 48	<b>1.82</b>

## Hazardous Lab Spill Clean-up Kit

Emergency response spill kit containing five solidifiers. These solutions neutralize, stabilize, and solidify a variety of aqueous spills no matter where they occur. Each kit contains:

- Nitrile Gloves (Qty: 3 Pairs)
- Zip Lock Bags (Qty: 6 / Dims: 9"x12")
- Red Z® Solidifier (5oz. Bottle)
- Green-Z® Solidifier (5oz. Bottle)
- Acid Lock® Solidifier (5oz. Bottle)
- Alky® Solidifier (5oz. Bottle)
- Petro Lock Absorbent (2oz. Bottle)
- Scoop/Scraper (Qty: 6)
- Hazardous Waste D.O.T. Label (Qty: 2)
- Non-Hazardous Waste D.O.T. Label (Qty: 2)



Item No.	Description	Your Price
SFE15205	Portable Lab Spill Cleanup Kit	<b>199.55</b>

## Front-Zip Coveralls

Three layers: two outer layers of strong, spunbonded polypropylene and a melt-blown middle layer that acts as a filter to keep out fine particulates and water-based liquids. Protective yet breathable for comfort while wearing. These coveralls feature elastic at the wrists and ankles.

Sold as a case of 25.

Item No.	Size	Your Cost
MEL5540WHT-S	S	<b>77.14</b>
MEL5540WHT-M	M	<b>125.49</b>
MEL5540WHT-L	L	<b>77.14</b>
MEL5540WHT-XL	XL	<b>77.14</b>
MEL5540WHT-XXL	2XL	<b>81.00</b>
MEL5540WHT-XXXL	3XL	<b>85.07</b>



## 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



4319-20

Tyvek™ is a registered trademark of DuPont

Item No.	Qty	Description	Qty Break	Your Cost
4319-20	Small	with pockets	1-9	<b>122.80</b>
			10+	<b>102.33</b>
4319-22	Medium	with pockets	1-9	<b>122.80</b>
			10+	<b>102.33</b>
4319-24	Large	with pockets	1-9	<b>122.80</b>
			10+	<b>102.33</b>
4319-26	X-Large	with pockets	1-9	<b>122.80</b>
			10+	<b>102.33</b>
4319-28	XXL	with pockets	1-9	<b>122.80</b>
			10+	<b>102.33</b>
4319-30	Small	no pockets	1-9	<b>118.50</b>
			10+	<b>98.76</b>
4319-31	Medium	no pockets	1-9	<b>124.15</b>
			10+	<b>103.48</b>
4319-32	Large	no pockets	1-9	<b>109.65</b>
			10+	<b>103.48</b>
4319-33	X-Large	no pockets	1-9	<b>109.65</b>
			10+	<b>103.48</b>
4319-34	XXL	no pockets	1-9	<b>124.15</b>
			10+	<b>103.48</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" long.
- White color.



4327-50

Item No.	Qty	Qty Break	Your Cost
4327-50	pack/ 100	1-9	<b>7.68</b>
		multiples of 10	<b>7.14</b>

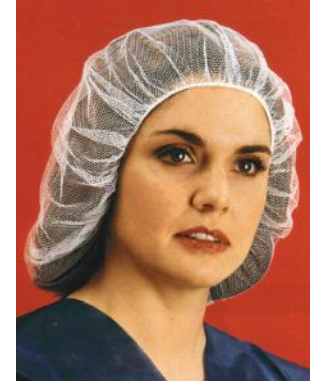


## Assure worker and product protection with apparel From Weber Scientific

### 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.



Item No.	Size	Qty	Color	Your Cost
4323-43	21"	case/1000 (10 bags of 100)	Red	<b>65.85</b>
4323-45	24"	case/1000 dispenser pack	Red	<b>75.79</b>
4323-42	21"	case/1000 (10 bags of 100)	Blue	<b>96.90</b>
4323-13	19"	case/1000 (10 bags of 100)	White	<b>51.52</b>
4323-15	21"	case/1000 (10 bags of 100)	White	<b>104.30</b>

4323-35

4323-31

### Economical Disposable Beard Covers

Breathable soft polypropylene with an easy-to-wear elastic fit. Flame resistant.

Item No.	Qty	Qty Break	Your Cost
4323-35	case/1000 (10 bags of 100)	1-9	<b>75.51</b>
		10+	<b>66.07</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.

(5 pair/bundle; 10 bundles per bag; 10 bundles per bag; 10 bags per case)

Item No.	Qty	Qty Break	Your Cost
4327-80	500 pairs	1-9	<b>49.31</b>
	per case	10+	<b>39.46</b>

### Economy UltraGuard Hairnets

Fine mesh – holes too small to measure. Super soft and comfortable. Choice in color of white or brown.

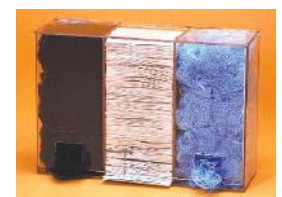
Item No.	Size	Color	Qty	Qty Break	Your Cost
4323-31	21"	White	case/1000 (10 bags of 100)	1-4	<b>93.90</b>
				5+	<b>84.51</b>
4323-33	24"	White	case/1000 (10 bags of 100)	1-4	<b>107.48</b>
				5+	<b>95.54</b>
4323-34	24"	Brown	case/1000 (10 bags of 100)		<b>110.17</b>



### Sani-BT Boot Covers (Keystone)

These clear disposable boot covers are made of heavy duty polyethylene (4 mil LDPE) with perforated ties to secure the covers to the boots. The boot covers are 100% latex free and flame resistant. They come in two sizes, large (14.5x18") and extra large (16x20"). Case of 125 pairs consisting of five 25-pair dispenser boxes.

Item No.	Product Description	Qty	Qty Break	Your Cost
4327-93	Sani-BT Size L (14.5x18")	Case of 250 (125 Pairs)	1-4	<b>96.78</b>
			5+	<b>82.96</b>
4327-94	Sani-BT Size XL (16x20")	Case of 250 (125 Pairs)	1-4	<b>95.68</b>
			5+	<b>82.02</b>



4319-04

4319-06

4319-08

### Dispensers (Keystone)

- High impact material
- Chemical resistant
- Wall mounted capability

Product not included

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>112.71</b>
4319-06	Large	100 hairnets/caps or 300 beard covers	12 x 5 x 12" H	<b>127.09</b>
4319-08	Triplex	100 hairnets/caps or 300 beard covers	12 x 3 x 8" H	<b>121.05</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.



3064-15

## SAMPLING SUPPLIES

Item No.	Mfr Item No.	Description	Your Cost
3064-15	114018	TruStream7 Sampling Kit; consists of a single sterile 7 port aseptic sampling membrane with cap, 7 disposable 60cc syringes with 1 1/2" needles, alcohol wipes and instructions	44.83

Two types of sterile sampling membranes are now available:

Item No.	Mfr Item No.	Description	Type Rubber	Temp. Stability	PSI Stability	Qty Break	Your Cost
3064-18	110011	TruStream7 Septa sampling membrane, sterile, ind. wrapped	standard EPDM	190°F.	150 psi/ 200 hours	1-99 100+	11.11 9.15
3064-19	110021	TruStream7 Septa (high temp) sampling membrane, sterile, ind. wrapped	silicone	300°F.	150 psi/ 200 hours	1-99 100+	13.29 12.11
3064-20	310121	Dust cover for 7 port sampling membrane.					1.49
3064-99	310011	Wrench for aseptic sampler					25.33



3064-18

## TruDraw Single Samplers for QualiTru Sampling System

*Virtually Eliminates Risk of Exposure to External Contamination*

Designed for 2oz. samples, QualiTru's TruDraw Single Samplers help minimize the risk of exposure to contamination, ensuring excellent sampling accuracy. Meets the bacterial Appendix J requirements as well as the NCIMS and Appendix N Grade "A" PMO test method requirements for antibiotic residue collection at milk plants, receiving stations, or transfer stations. Improve operational efficiency and minimize waste by reducing the need to transfer samples. Tamper-evident cap helps ensure a controlled chain of custody from the start of the process. Available in the following options:

**TruDraw Sterile (3064-30)** is designed for use anywhere a small aseptic sample is required and meets regulatory requirements for aseptic sample collection. Available in individual sterile packages with an attached 18g needle.

**TruDraw (3064-29)** is designed for use when a small sample of raw milk is required and meets the bacterial requirements of the PMO for farm, milk hauler, and pre-pasteurization sample collection. Sold with a detached 18g needle and easily assembles for a leak-proof sample.

Item No.	Mfr Item No.	Description	Unit of Measure	Qty Break	Your Cost	Qty Break	Your Cost
3064-30	112021	TruDraw Sterile	Case of 50	1-4	93.28	5+	87.06
3064-29	112022	TruDraw	Case of 100	1-4	169.07	5+	157.74





## 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). Tank fitting installation can be in outer well or door.

Item No.	Mfr Item No.	Description	* Your Cost
3064-21		tri-clamp elbow, 1 1/2"	<b>840.75</b>
3064-23		tri-clamp elbow, 2"	<b>1,020.68</b>
3064-25		tri-clamp elbow, 2 1/2"	<b>1,372.28</b>
3064-27		tri-clamp elbow, 3"	<b>1,405.56</b>
3064-39		tank fitting, non-insulated	<b>217.46</b>
3064-41		tank fitting, insulated	<b>664.90</b>
3064-43		tri-clamp end cap, 1 1/2"	<b>245.35</b>
3064-46		tri-clamp end cap, 2"	<b>271.60</b>
3064-49		tri-clamp end cap, 2 1/2"	<b>408.88</b>

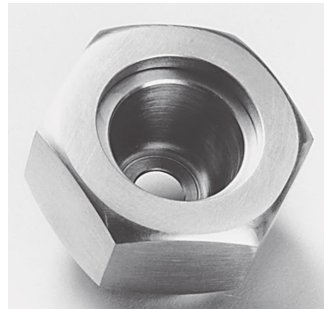
\* Possible price volatility due to stainless steel tariffs. See [weberscientific.com](http://weberscientific.com) for most up to date prices.



3064-21 to 27



3064-41

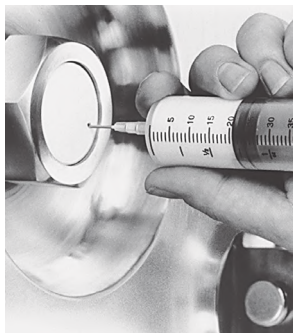


3064-39

## 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 & 3064-82



3064-83



3064-84

### INJECTION/INSTALLATION SUPPLIES

Two types of sterile injection membranes are now available:

Item No.	Mfr Item No.	Description	Type Rubber	Temp. Stability	PSI Stability	Qty Break	Your Cost
3064-80	110064	TruStream12 Septa port, sterile, ind. wrapped	standard EPDM	250°F.	150 psi/ 200 hours	1-24	<b>18.78</b>
3064-81	310162	Dust cover for 12 port sampling membrane				25+	<b>17.08</b>
3064-82	110074	TruStream12 Septa (high temp) port, sterile, ind. wrapped	silicone	300°F.	150 psi/ 200 hours		<b>25.18</b>
3064-83		Injection channel tank fitting,					<b>730.99</b> *
3064-91		End cap, 2", 304SS					<b>684.86</b> *
3064-93		End cap, 2 1/2", 304SS					<b>910.96</b> *
3064-95		End cap, 3", 304SS					<b>403.56</b> *

\* Possible price volatility due to stainless steel tariffs. See [weberscientific.com](http://weberscientific.com) for most up to date prices.



3064-09

## TruStream Collection Bags for the QualiTru 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.

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.

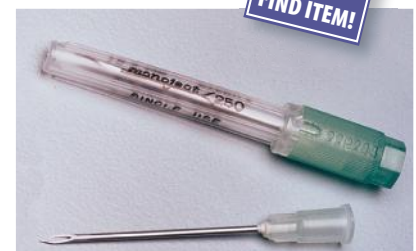
Sources of contamination of milk from the HTST include:

1. Thermoduric Psychrotrophic and/or sporeforming bacteria from raw milk.
2. Contamination from cracks in the HTST plates.
3. Thermoduric bacteria may colonize plates in the regeneration section of the HTST resulting in high bacteria counts.

Item No.	Mfr Item No.	Description	Qty	Qty Break	Your Cost
3064-01	111450	TruStream Sampling Assembly 250ml Bag, tubing and 18g needle - Sterile		1-24	<b>6.22</b>
				25+	<b>5.58</b>
3064-03	111730	TruStream Sampling Assembly 2 liter Bag, tubing and 18g needle - Sterile		1-9	<b>6.44</b>
				multi. of 10	<b>5.90</b>
				multi. of 100	<b>5.36</b>
3064-06	111930	TruStream Sampling Assembly 7 liter Bag, tubing and 18g needle - Sterile	pack/5	1-2	<b>46.28</b>
				3+	<b>45.33</b>
3064-09	112010	flow control clamp			<b>6.96</b>



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
3063-01	35 / 1	Rigid	case/180	1-4	<b>196.60</b>
				5+	<b>175.20</b>
3063-02	35 / 1	Rigid	pack/30		<b>38.51</b>
4414-08	35 / 1	Soft	case/160	1-4	<b>127.49</b>
				5+	<b>110.15</b>
3063-05	60 / 2	Rigid	case/100	1-4	<b>152.90</b>
				5+	<b>136.27</b>
3063-06	60 / 2	Rigid	pack/20		<b>30.58</b>

## Monoject® Sterile Needles

Original equipment replacement fits all syringes. Individually wrapped.

Item No.	Pack	Gauge	Length, in.	Color Code	Qty	Qty Break	Your Cost
3063-40		14	2	metal	case/1000		<b>217.57</b>
3063-41		14	2	metal	pack/100		<b>20.34</b>
3063-42		14	1 1/2"	metal	case/1000		<b>281.38</b>
3063-43		14	1 1/2"	metal	pack/100		<b>26.33</b>
3063-44		16	1 1/2"	metal	case/1000		<b>244.23</b>
3063-45		16	1 1/2"	metal	pack/100		<b>20.91</b>
3063-07	Rigid	18	1 1/2"	green	case/1000		<b>163.88</b>
3063-08	Rigid	18	1 1/2"	green	pack/100		<b>15.31</b>
4414-25	Soft	18	1 1/2"	green	case/1000	1-4	<b>122.42</b>
						5+	<b>114.29</b>
4414-26	Soft	18	1 1/2"	green	pack/100		<b>15.51</b>
3063-10	Rigid	20	1 1/2"	pink	case/1000		<b>163.43</b>
3063-11	Rigid	20	1 1/2"	pink	pack/100		<b>16.27</b>
4414-28	Soft	20	1 1/2"	pink	case/1000	1-4	<b>111.47</b>
						5+	<b>104.75</b>
4414-29	Soft	20	1 1/2"	pink	pack/100		<b>13.57</b>

SEE ADDITIONAL SYRINGE OPTIONS ON PAGE 132



### Smaller Single-Use Syringes (BD)

Sterile individually wrapped. Luer-Lok™ tip.

Item No.	Mfr Item No.	Description	Qty	Qty Break	Your Cost
3063-53	309624	1 mL syringe with 21 g X 1" needle attached	case/800		<b>236.29</b>
3063-54	309624	1 mL syringe with 21 g X 1" needle attached	pack/100		<b>30.62</b>
3063-50	309580	3 mL syringe with 18 g X 1 1/2" needle attached	case/800	1-4 5+	<b>224.80</b> <b>190.92</b>
3063-51	309580	3 mL syringe with 18 g X 1 1/2" needle attached	pack/100		<b>38.50</b>
3063-38	309657	3 mL syringe, needle available separately	case/800	1-4 5+	<b>104.31</b> <b>92.42</b>
3063-37	309657	3 mL syringe, needle available separately	pack/200		<b>30.31</b>



### 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	Qty Break	Your Cost
3063-35	10	302995	case/400	1-4 5+	<b>109.44</b> <b>95.21</b>
3063-34	10	302995	pack/200		<b>80.94</b>
3063-65	20	302830	case/192	1-4 5+	<b>132.29</b> <b>115.75</b>
3063-28	50	309653	case /160	1-4 5+	<b>216.64</b> <b>167.03</b>
3063-29	50	309653	pack/40		<b>63.05</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. Case of 4000.

Item No.	Qty Break	Your Cost
4350-20	1	<b>80.25</b>
	2+	<b>53.50</b>



### Sterile Syringe Needles (BD®)

Fits 30 and 60 cc syringes.

Item No.	Mfr. Item No.	Gauge	Length, in.	Hub Color	Qty	Qty Break	Your Cost
3063-20	305198	16	1 1/2	Lavender	case/1000		<b>305.90</b>
3063-22	305196	18	1 1/2	pink	case/1000	1-4 5+	<b>124.77</b> <b>96.41</b>
3063-23	305196	18	1 1/2	pink	pack/100		<b>13.71</b>

### Sterile Single-Use Syringe (MHC Medical)

Popular for use with QMI in-line aseptic sampling systems. Luer-Lok™ tip. Needle available separately. Individually wrapped.

Item No.	Capacity, cc	Mfr Item No.	Qty	Qty Break	Your Cost
3063-15	30	802034	case/224	1-4 5+	<b>169.85</b> <b>147.77</b>
3063-16	30	802034	pack/56		<b>60.75</b>



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	Qty Break	Your Cost
3063-82	each	1-23	<b>12.49</b>	Multiples of 24	<b>9.56</b>

### 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	Qty Break	Your Cost
3063-89	each	1-19	<b>20.95</b>	Multiples of 20	<b>15.28</b>

SEE ADDITIONAL SYRINGE OPTIONS ON PAGE 131

SAMPLING SUPPLIES

 WEBER EXCLUSIVE

 FIRST CASE UPGRADE

 HAZARDOUS MATERIALS

 SHIPS ON ICE

Pay the lowest quantity discount pricing by placing a standing order. See ordering information for details.



## 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	256.23
3060-85	01423	2.5 mil thick, with sterile glove	298.74

## 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	Qty Break	Your Cost
3060-75	01245	18 oz./532	4 1/2 x 9 / 114 x 229	2.5 mil thick bag	1-9 10+	120.48 106.94



## 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.	Your Cost
3611-03	NB10	Neutralizing Buffer (10 mL)	pack/10	12.41
3611-23	BPB10	Butterfield's Phosphate Buffer (10 mL)	pack/10	12.84
3611-33	BPW10	Buffer Peptone Water (10 mL)	pack/10	13.51



**BEST  
SELLER**



## MegaSampler™ Sponge Sampling System (Weber Scientific)

**Make Environmental Surface Sampling Faster and Easier**

A pre-moistened sponge, with 10 ml of DE Neutralizing Broth, individually wrapped in a reusable sample bag, is secured to the sampling handle using a unique design that enhances sampling efficacy. Product has been irradiated.

- Twice the sampling surface
- Sampling tip for hard to reach places
- Sponge is held in place without glue or chemicals
- Sponge is easy to separate from handle
- Biofilm scraping blade incorporated into the handle design



Item No.	Description	Qty	Your Cost
3070-10	10 mL of DE Neutralizing Broth	Case/100 (5 Packs of 20)	199.00
3070-08	10 mL of Neutralizing Broth	Case/100 (5 Packs of 20)	199.00
3070-09	10 mL of Lethen Broth	Case/100 (5 Packs of 20)	199.00
3070-06	Dry Sponge on Stick; Sterile	Case/100	170.00



## TwinSampler Sampling Device (Weber Scientific)

**Handle Carries Two Sponges for a True Comparison Sampler**

The TwinSampler is individually wrapped in a reusable sample bag. The dual sponges are secured to the sampling handle using a unique design that enhances sampling efficacy. Premoistened with 10 ml of DE Neutralizing Broth. Product has been irradiated.

- Two sponges in the same handle
- The only true comparison sampler
- Sampling tip for hard to reach places
- Sponges are held in place without glue or chemicals
- Sponges are easy to separate from handle
- Biofilm scraping blade incorporated into the handle design
- Second bag included



Item No.	Description	Qty	Your Cost
3070-12	TwinSampler Sampling Device	case/100	210.13



## Sani-Stick Sponge Handle Sampling System (Labplas)

### One bag system - return sponge to the same sterile 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 polyurethane 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	Qty Break	Your Cost
3060-21	KSS-67910-NE	10 mL neutralizing buffer	pack/100	1 2+	263.44 235.28
3060-22	KSS-67910-DE	10 mL DE neutralizing buffer	pack/100	1 2+	263.44 235.70

## Solar Cult® Sponge Handle Sampling System (Solar Biologicals)

### Sample hard-to-reach surfaces without directly holding a sponge

Sterile pre-moistened cellulose sponge with quick release handle is designed for sampling for microbiological contamination on almost any surface. Packaged in an easy-tear foil pouch. Comes with a sterile swirl-tie bag to make this an all-inclusive sampling system. Simply remove the handle (sponge attached), collect sample, return to swirl-tie bag, release sponge into bag, swirl 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 swirl-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	Qty Break	Your Cost
3060-98	SH-10NB	Pre-moistened with 10 mL Neutralizing Buffer	pack/100	1 2+	217.51 199.96
3060-95	SH-10LB	Pre-moistened with 10 mL Lethen Broth	pack/100	1 2+	217.38 199.84
3060-97	SH-10DE	Pre-moistened with 10 mL DE Neutralizing Buffer	pack/100	1 2+	217.51 199.96



## 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.

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.



3060-82

### Pre-moistened Sponges Packaged in Foil Pouch

Item No.	Mfr Item No.	Description	Qty	Your Cost
3060-82	BS-10NB-1	Solar-Cult® Cellulose sponge pre-moistened with 10 mL Neutralizing Buffer, individually wrapped in foil pouch, Sterile	pack/100	186.12
3060-90	BS-10BPW-1	Solar-Cult® Cellulose sponge pre-moistened with 10 mL Buffered Peptone Water, individually wrapped in foil pouch, Sterile	pack/100	186.22
3060-92	BS-10BPW-5	Same as above	pack/500	925.65

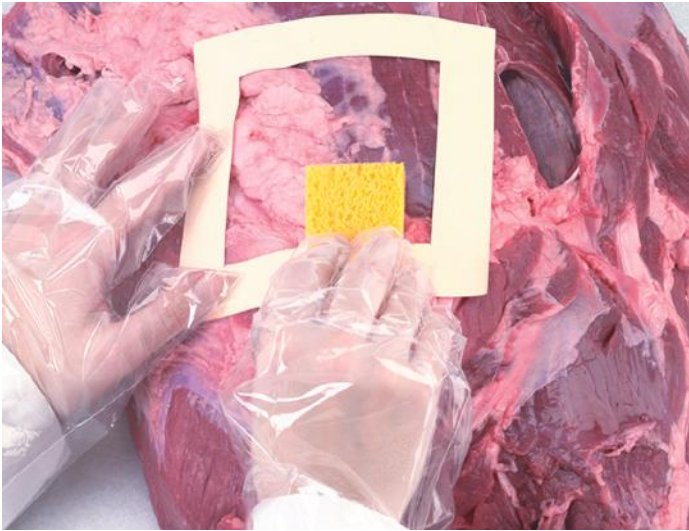
### Pre-moistened Sponges Packaged in 4 oz. Screw Cap Vials

3060-60	SV-10NB-1	Solar-Cult® Cellulose sponge pre-moistened with 10 mL Neutralizing Buffer, individually packaged in 4 oz vial, Sterile	pack/100	213.05
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3060-60





### Sterile Meat/Turkey Carcass Sampling Kit (Nasco B01324WA)

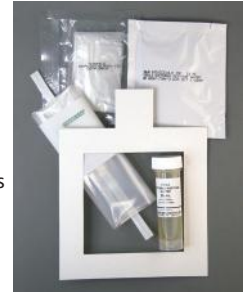
This kit is designed for sampling meat and turkey carcasses to test for the presence of E. coli. The kit contains a pair of sterile gloves, 25 mL buffered peptone water, a Whirl-Pak® "Speci-Sponge®" bag, and two disposable sterile templates (one for meat carcasses and one for turkeys). The disposable 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	Your Cost
3610-75	25 tests per pack	199.42



### 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.

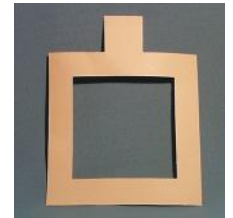


Item No.	Mfr Item No.	Description	Your Cost
3610-80	A40BP	Beef/Swine Carcass Sampling Kit 10 Tests Contents per Kit: • 10 - Sterile Solar-Cult® Cellulose sponges pre-moistened with 10 mL Butterfield's Phosphate Diluent, individually wrapped in foil pouch • 10 - Vials of 15 mL Sterile Butterfield's Phosphate Diluent • 10 pairs - Sterile sampling gloves • 10 - Twirl-tie sterile sample bags • 10 - Labels for sample identification • 10 - Sterile sampling templates 10cm x 10cm • Instructions	54.67
3610-85	A40BPW	Beef/Swine Carcass Sampling Kit 10 Tests CONTENTS: as above only with BUFFERED PEPTONE WATER	54.67

### Sterile Sampling Template (Solar Biologicals)

Individually wrapped in zipper bag.  
Pack of 100.

Item No.	Dimensions	Your Cost
3610-08	5 cm x 10 cm (2" x 4")	129.99
3610-10	10 cm x 10 cm (4" x 4")	129.99



### 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	172.00
			3+	165.13

## 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) .



### References:

1. 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.

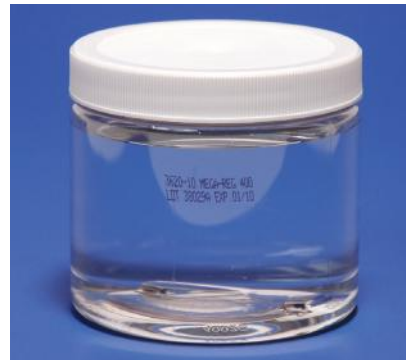
Item No.	Mfr Item No.	Description	Your Cost
3610-38	DS-001	Case of 100 (4x pack/25) kits. Each kit contains a 30 mL- polypropylene vial which encloses a sterile 4-ply 3"x 3" cotton gauze swab (pre-moistened with double strength skim milk) attached to a cord approx. six feet in length. The drag swab is packaged with a pair of plastic gloves and a label in the attached pouch of a sterile twirl-tie type sample bag.	296.60

## 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.



Meets Specifications of the USDA/FSIS Final Rule on Pathogen Reduction

Item No.	Description	Qty Break	Your Cost	Qty Break	Your Cost
3625-10	Case of 32z	1-4	101.05	5+	84.20

## 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	Your Cost
3610-30	15" x 20" chicken rinse bag; 2 mil	pack/250	90.98





## EasyCollect Fabric Meat Sampler

Easy Collect is an easy-to-use collection device used for pathogen enumeration in meat. Each sampling bag contains a 5-folded, 24" x 8" cloth, allowing for large surface collection. The non-woven cloth leaves no residue on the surface being sampled.

The sampling bag itself allows for Buffered Peptone Water (BPW), or other suitable diluent, to be introduced. This bag includes a write-on label area and can be easily stomached, if desired.

EasyCollect Fabric Meat Sampler is a white, non-woven polypropylene material sized 24" by 8", folded 5 times. Comes in a blue sample bag which is 55 oz (7.5" x 11"). Meets specifications of the USDA/FSIS N-60 Sampling Program for Ground Beef Safety.

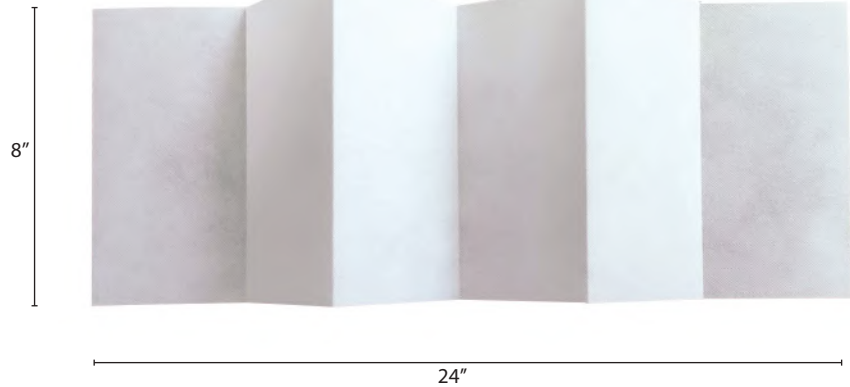
### Key Features

- Non-destructive sampling method means no wasted product
- 55oz (7.5x11") blue sample bag with 24x8" non-woven cloth
- Comparable to USDA/FSIS N-60 Sampling Program for Ground Beef Safety

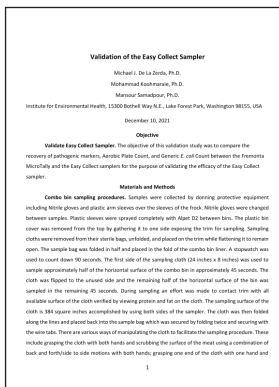
Item No.	Qty	Your Cost
3610-95	Pack/100	<b>182.92</b>

**Comparable to  
USDA/FSIS N-60  
Sampling Program for  
Ground Beef Safety**

*Validation study available  
at [weberscientific.com](http://weberscientific.com)*



**See [weberscientific.com](http://weberscientific.com) for EasyCollect Fabric Meat Sampler instructional video and white paper**





## Onsite Raw Meat FlowThrough™ Food Tests and Swabs (Bio-Check UK)

*Detect the presence of undesirable meat species in minutes*



**Raw Meat FlowThrough™ Speciation Food Tests**

Bio-Check (UK) Onsite Raw Meat FlowThrough Food and Swabs Tests were developed as an innovative range of FlowThrough™ tests for raw meat speciation. In a few minutes, laboratories or meat processors can detect the presence of undesirable meat species in one or more test samples. They are ideal for QC labs and an invaluable “early warning” system for meat processors to prevent food fraud/food adulteration.

In under 15 minutes, the easy-to-use **Raw Meat FlowThrough™ Speciation Food Tests** will efficiently detect low levels (<1%) of meat species adulteration / contamination in raw meat products. They have been validated using LGC Raw Meat Certificated Reference Materials, a panel of shop bought meats and over 50 potentially cross-reacting food ingredients as well as compared to confirmatory raw meat ELISAs. They will save factory laboratories time and money and give them peace of mind as to the integrity of their raw materials and products.

The **Raw Meat Species FlowThrough™ Swab Tests** take under 8 minutes to perform, detecting the species-specific proteins at µg levels on food-contact surfaces. The test consists of just three components (an innovative swab device, a colour reagent and the test unit) no special equipment or training is required, which makes the FlowThrough™ Swab test simple and easy to perform.



**Raw Meat Species FlowThrough™ Swab Tests for Environmental Testing**

### Key Features

- Easy to use, no special training required
- Includes all materials for conducting five tests
- Reliable, sensitive detection
- Results in < 8 minutes for surfaces, <15 minutes for foods
- No ‘overload’ risk if high levels of contamination in foods

Item No.	Description	Qty	Your Cost
<b>Raw Meat FlowThrough™ Speciation Food Tests</b>			
<b>3667-10</b>	Raw Cow FlowThrough Food Test Kit	Pack of 5	<b>87.63</b>
<b>3667-11</b>	Raw Horse FlowThrough Food Test Kit	Pack of 5	<b>87.63</b>
<b>3667-12</b>	Raw Pig FlowThrough Food Test Kit	Pack of 5	<b>87.63</b>
<b>3667-13</b>	Raw Sheep FlowThrough Food Test Kit	Pack of 5	<b>87.63</b>
<b>3667-14</b>	Raw Poultry FlowThrough Food Test Kit	Pack of 5	<b>87.63</b>
<b>Raw Meat Species FlowThrough™ Swab Tests for Environmental Testing</b>			
<b>3667-15</b>	Raw Cow FlowThrough Swabs	Pack of 5	<b>87.63</b>
<b>3667-16</b>	Raw Pig FlowThrough Swabs	Pack of 5	<b>82.63</b>
<b>3667-17</b>	Raw Poultry FlowThrough Swabs	Pack of 5	<b>87.63</b>
<b>3667-18</b>	Raw Sheep FlowThrough Swabs	Pack of 5	<b>87.63</b>



### Results in Minutes

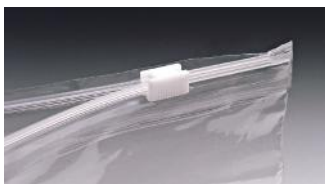
The simple six part procedure typically takes no more than 15 minutes to perform, includes 2 minutes for extraction.

Easy to use and easy to read results with no special training required.

## 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	Qty Break	Your Cost
3151-40	Quart Slider Zipper Bag	250	1-4	<b>48.93</b>
			5+	<b>42.89</b>
3151-41	Gallon Slider Zipper Bag	250	1-4	<b>80.89</b>
			5+	<b>70.94</b>
3151-42	2.5 Gallon Slider Zipper Bag	250	1-4	<b>126.38</b>
			5+	<b>110.82</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	Qty Break	Your Cost
3151-43	Quart Slider Zipper Bag	250	1-4	<b>54.44</b>
			5+	<b>47.74</b>
3151-44	Gallon Slider Zipper Bag	250	1-4	<b>92.96</b>
			5+	<b>81.53</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	Dimensions Outside, inches/mm	Usable Size, inches/mm
3151-50	Quart	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	Qty Break	Your Cost
3151-50	Quart Zipper Bag with hang-hole	1000	1-2	<b>87.26</b>
			3+	<b>83.33</b>
3151-51	Gallon Slider Zipper Bag	1000	1-2	<b>155.56</b>
			3+	<b>148.60</b>
3151-52	2.5 Gallon Zipper Bag	1000	1-2	<b>262.74</b>
			3+	<b>250.97</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 500.



Item No.	Nominal capacity	Dimensions Outside, inches/mm	Usable Size, inches/mm
3151-54	Gallon	10.5 x 11 / 267 x 179	9 x 11 / 229 x 279

Item No.	Description	Qty	Qty Break	Your Cost
3151-54	Gallon Slider Zipper Bag	500	1-2	<b>167.83</b>
			3+	<b>160.33</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 .038 mm (.0015") thick and heavyweight bags are .1016 mm (.004") thick. pack/100.

Item No.	Lightweight Size inches/mm	Your Cost
3150-15	8 x 12 / 203 x 305	<b>41.24</b>
3150-20	8 x 16 / 203 x 406	<b>42.25</b>
3150-25	10 x 16 / 254 x 406	<b>47.68</b>
3150-35	12 x 20 / 305 x 508	<b>46.09</b>

Item No.	Heavyweight Size inches/mm	Your Cost
3151-10	6 x 12 / 152 x 254	<b>56.71</b>
3151-25	10 x 16 / 254 x 406	<b>62.43</b>
3151-35	12 x 20 / 305 x 508	<b>80.16</b>

## RACK'N'LAB Sampling Bag Racks (Labplas)

Labplas' RACK'N'LAB is best used to transport bags used in food testing and environmental water sampling, and many other industries. Its innovative design allows multiple bags to be used while being held upright without the need for bottles or specifically designed bags.

This light weight and versatile rack takes up very little storage space when stored in its flat form and is available in two different sizes.

- Made of FDA approved virgin polypropylene
- Shipped in one inch thick boxes with three flat racks inside
- Assembled or dismantled in less than one minute
- The sturdy handle facilitates safe transportation
- Identified rows allow for easy identification of samples
- Up to 40ml can be retained in case of a leak
- Racks are stackable and will easily fit in standard coolers



Item No.	Mfr Item No.	Description	Size	Your Cost
3033-14	SA5-3070	Sampling Bag Racks	12" X 6.75" X 3"	83.38
3033-16	SA5-7012	Sampling Bag Racks	12" X 9.72" X 4.6"	84.46

## 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 re-closed 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).



Item No.	Mfr Item No.	Capacity		Size		Thickness mil	Qty/pack	Your Cost
		Oz. /	mL	Inches	mm			
3034-80	01385	7	207	3 3/4 X 7	95 X 179	3	250	171.15
3034-93	01348	24	710	6 X 9	150 X 230	4	250	223.77
3034-95	01318	55	1627	7 1/2 X 12	190 X 300	4	250	265.95
3034-97	01416	69	2041	7 1/2 X 15	190 X 380	4	250	281.11
3034-94	01488	92	2732	10 X 15	254 X 380	4	100	209.61
3034-84	01525	138	4080	15 x 15	380 x 380	4	100	225.06

## 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
3035-22	B01547WA	55 1,627	7 1/2 x 12 190x300	4	250

Item No.	Qty Break	Your Cost
3035-22	1	192.68
	2+	175.01



## Weber Scientific Sterile Filter Whirl-Bags

Compare to Whirl-Pak® but at spectacular savings!

Item No.	Capacity		Size		Description	Thickness mil	Qty/pack	Your Cost
	Oz.	mL	Inches	mm				
3033-41	24	710	6 X 9	150 X 230	write-on filter	4	250	90.90
3033-42	55	1627	7.5 X 12	190 X 300	write-on filter	4	250	129.59

800-328-8378

### ACCESSORIES: FOR SAMPLING



Autoclave Bags see page 8.



## 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		Size		Description	Thickness mil	Qty/ pack	Your Cost
		Oz.	mL	Inches	mm				
<b>3034-85</b>	01063	24	710	6 X 9	150 X 230	Whirl-Pak plain	4	500	<b>153.17</b>
<b>3034-87</b>	01196	24	710	6 X 9	150 X 230	Whirl-Pak w/ write-on strip	4	500	<b>158.51</b>
<b>3034-89</b>	01195	55	1627	7 1/2 X 12	190 X 300	Whirl-Pak w/write-on strip	4	500	<b>221.22</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	<b>270.58</b>
<b>3034-79</b>	01421	55	1627	7 X 12	185 X 300	plain opening with perforation	3	1000	<b>178.16</b>
<b>3034-82</b>	01474	184	5441	15 X 20	275 X 500	plain opening with perforation	4	250	<b>192.82</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 autoclavable and cost effective. Pack of 50 nonsterile closures. Available pack of 50.

Item No.	Your Cost
<b>3033-85</b>	<b>66.24</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	Your Cost
<b>3068-30</b>	30020103	Standard Bags for Model 400; packs of 50	177 x 305 / 7 x 12	cs/500	<b>108.31</b>
<b>3068-32</b>	30020146	Standard Bags for Model 400; packs of 5	177 x 305 / 7 x 12	cs/500	<b>173.70</b>
<b>3068-34</b>	30020219	Closure Bags for Model 400, rounded	177 x 305 / 7 x 12	cs/250	<b>205.58</b>
<b>3068-36</b>	30020251	Strainer Bags for Model 400	177 x 305 / 7 x 12	cs/200	<b>264.18</b>
<b>3068-38</b>	30020316	Standard Bags for Model 3500	380 x 510 / 15 x 20	cs/250	<b>235.14</b>

## Stomacher® Bag Racks (Seward)

Item No.	Mfr Item No.	Description	Capacity	Your Cost
<b>3068-41</b>	30021100	Bag Rack for Model 400	1bag	<b>63.82</b>
<b>3068-43</b>	30021126	Bag Rack for Model 400	10 bags	<b>203.62</b>
<b>3068-45</b>	30021207	Bag Rack for Model 3500	3 bags	<b>377.85</b>
<b>3068-47</b>	30021509	Bag Opener		<b>54.56</b>

### ACCESSORIES: FOR SAMPLING BAGS



Utility Carriers see page 79.  
 Lab Homogenizers see page 15.  
 Non-Sterile Bags see pages 8, and 142.



## Weber Scientific Sterile Sampling Bags

### Compare and Save on Sterile Sampling Bags

We offer an expansive assortment of sizes and styles to meet your sampling needs. Weber Scientific Sterile Sampling Bags feature one seam instead of three, for a more leak-resistant hold. Made of heavier weight plastic from 2.25 - 4 mil, and featuring puncture proof tabs that are longer for a more secure close.

Item No.	Capacity		Size		Description	Thickness mil	Qty/ pack	Your Cost
	Oz.	mL	Inches	mm				
3032-51	2	58	3 X 5	75 X 125	write-on	2.25	500	38.72
3033-51	4	118	3 X 7 1/4	75 X 185	write-on	2.25	500	43.16
3034-51	18	532	4 1/2 X 9	115 X 230	write-on	2.25	500	73.13
3034-50	18	532	4 1/2 X 9	115 X 230	plain	2.25	500	65.81
3034-77	24	710	6 X 9	150 X 230	write-on	3	500	111.81
3034-75	24	710	6 X 9	150 X 230	plain	3	500	87.77
3033-20	55	1627	7 1/2 X 12	190 X 300	write-on	4	250	84.63
3033-21	55	1627	7 1/2 X 12	190 X 300	plain	4	250	61.42
3033-30	100	2957	14 X 10	356 X 254	write-on	4	250	128.54
3033-25	184	5442	15 X 20	381 X 508	plain	4	100	77.32
3033-41	24	710	6 X 9	150 X 230	write-on filter	4	250	90.90
3033-42	55	1627	7.5 X 12	190 X 300	write-on filter	4	250	129.59
3033-43	69	2041	7.5 X 15	190 X 381	write-on filter	4	250	165.14
3033-44	92	2721	10 X 14.5	254 X 368	write-on filter	4	250	210.43

800-328-8378

#### ACCESSORIES: FOR WEBER SAMPLING BAGS



Rack N' Lab Sample Bag Racks see page 143.



### 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	Your Cost
3031-90	01009	2 58	3 X 5	75 X 125	plain	2.25	500	64.17
3032-00	01064	2 58	3 X 5	75 X 125	write-on strip (doubles as fill line)	2.25	500	64.41
3033-00	00679	4 118	3 X 7 1/4	75 X 185	plain	2.25	500	68.29
3033-01	01062	4 118	3 X 7 1/4	75 X 185	write-on strip (doubles as fill line)	2.25	500	66.29
3033-03	00992	7 207	3 3/4 X 7	95 X 180	plain	3	500	80.07
3033-06	01489	7 207	3 3/4 X 7	95 X 180	write-on strip	2.5	500	82.97
3033-78	01018	13 384	5 1/14 X 7 1/2	130 X 190	plain	3	500	93.58
3033-79	01490	13 384	5 1/14 X 7 1/2	130 X 190	write-on strip	2.5	500	108.92
3034-00	00736	18 532	4 1/2 X 9	115 X 230	plain	2.5	500	94.00
3034-01	01065	18 532	4 1/2 X 9	115 X 230	write-on strip	2.5	500	93.33
3034-65	01020	24 710	6 X 9	150 X 230	plain	3	500	114.96
3034-66	01297	24 710	6 X 9	150 X 230	write-on strip	3	500	122.49
3034-85	01063	24 710	6 X 9	150 X 230	plain (homogenizer)	4	500	149.43
3034-87	01196	24 710	6 X 9	150 X 230	write-on strip (homogenizer)	4	500	154.64
3034-67	00990	27 798	5 X 12	125 X 305	plain	3	500	140.43
3034-68	01491	27 798	5 X 12	125 X 305	write-on strip	3	500	135.62
3034-88	00994	36 1065	5 X 15	125 X 380	plain (homogenizer)	3	500	140.07
3034-86	01027	42 1242	6 X 15	150 X 380	plain	3	500	163.95
3034-91	01239	52 1538	7 X 13	185 X 330	write-on round bottom seal (homogenizer)	4	500	263.98
3034-74	01532	55 1627	7 1/2 X 12	190 X 300	plain (homogenizer)	4	500	187.43
3034-89	01195	55 1627	7 1/2 X 12	190 X 300	write-on strip (homogenizer)	4	500	215.82
3034-92	01323	69 2041	7 1/2 X 15	190 X 380	plain	3	500	187.70
3034-90	01515	69 2041	7 1/2 X 15	190 X 380	write-on strip	3	500	223.22
3034-96	01445	92 2732	10 X 15	254 X 380	write-on strip extra large	4	250	182.34
3034-98	01446	123 3637	10 X 20	254 X 508	write-on strip extra large	4	250	218.11
3034-99	01447	184 5441	15 X 20	380 X 508	write-on strip extra large	4	100	138.77

#### ACCESSORIES: FOR SAMPLING BAGS



Sponge Bags see page 136.





## Whirl-Pak® Sterile Sampling Bags (Nasco) Single Flat Wire Closure:

Item No.	Mfr Item No.	Oz.	Capacity mL	Inches	Size mm	Description	Thickness mil	Qty/ pack	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	78.00
3031-88	01341	18	532	4 1/2 X 9	115 X 230	write-on strip	2.5	500	103.22

## 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.	Oz.	Capacity mL	Inches	Size mm	Description	Thickness mil	Qty/ pack	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	91.94
3034-55	01365	18	532	4 1/2 X 9	115 X 230	write-on strip	3	500	138.69
3034-58	01401	24	710	6 X 9	150 X 230	write-on strip	3	500	171.57
3034-69	01449	36	1065	5 X 15	125 X 380	write-on strip	4	250	142.98
3034-83	01450	42	1242	6 X 15	150 X 380	write-on strip	2.5	250	161.57
3034-62	01451	69	2041	7 1/2 X 15	190 X 380	write-on strip extra large	4	250	184.44
3034-81	01542	138	4080	15 X 15	380 X 380	write-on strip extra large	4	100	239.63

## 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	Your Price
3032-67	B01472WA	4 oz	Case/500	99.67
3032-68	B01418WA	18 oz	Case/500	164.83



## Whirl-Pak Carrying and Storage Rack

Allows for easy transportation of samples from collection site to the lab, incubation, and storage. Made of 10-and 12-gauge steel fused together for strong joints and straight lights. The rack is finished with an electro-statically applied powder coating for a durable and easy-to-clean finish that stands up to many laboratory materials.

- Max dry temperature is 300°F (148°C)
- Wet temperature is 500°F (260°C)
- Can be autoclaved
- 12-Compartments (3x4) with double grid

Item No.	Description	Unit of Measure	Your Price
3034-04	Holds 18oz Bags, 12 compartments	Each	41.25





## 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

### 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>123.02</b>
				14+	<b>108.01</b>
3040-15	13/0.4	"Vet" vial, longer profile	case/500	1-13	<b>116.11</b>
				14+	<b>101.97</b>
3040-16	13/0.4	"Vet" vial, longer profile	case/1500	1-13	<b>314.45</b>
				14+	<b>276.53</b>
3040-00	45/1.5	Standard size vial Commonly referenced as 2 oz	case/600	1-13	<b>125.15</b>
				14-23	<b>120.62</b>
				multi. of 24	<b>113.78</b>
3040-03	90/3	High profile design	case/400	1-13	<b>110.92</b>
				14-23	<b>106.48</b>
				multi. of 24	<b>103.15</b>
3040-12	90/3	High profile design graduated	case/400	1-13	<b>111.73</b>
				14-23	<b>107.26</b>
				multi. of 24	<b>101.90</b>
3040-04	120/4	Same high profile design as standard vial	case/250	1-13	<b>89.84</b>
				14+	<b>85.35</b>
3040-08	240/8	Low profile design (cottage cheese, etc.)	case/150	1-13	<b>94.61</b>
				14+	<b>84.85</b>

### Free Freight on Sampling vials!

Weber Scientific offers **FREE FREIGHT** on our best-selling styles of sampling vials when 14 or more cases are ordered at the same time!

Depending upon your location, your order will ship from our New Jersey, Missouri, Alabama or Nevada warehouse. Shipping from four locations offers even faster delivery!

#### Free Freight terms and conditions:

- 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.

### 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>405.00</b>
				14+	<b>344.23</b>
3041-00	120/4	high profile design	case/250	1-13	<b>83.19</b>
				14+	<b>72.98</b>
3041-04	120/4	convenient cup-like	case/250	1-13	<b>135.92</b>
				14+	<b>122.32</b>
3041-08	240/8	convenient cup-like	case/140	1-13	<b>86.61</b>
				14+	<b>77.94</b>
3040-17	300/10	high profile design	case/100	1-13	<b>99.37</b>
				14+	<b>87.14</b>



**Please note: The hinged-lid containers are exempt from the 1-2-3 Day Delivery Program as the drop in air pressure during air transit can cause the containers to open, affecting product sterility.**

### 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>133.43</b>
			<b>FREE FREIGHT</b>	14-23	<b>130.66</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>124.10</b>
3040-022	45/1.5	case/600	Purple	1-13	<b>133.43</b>
			<b>FREE FREIGHT</b>	14-23	<b>130.66</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>124.10</b>
3040-023	45/1.5	case/600	Turquoise	1-13	<b>133.43</b>
			<b>FREE FREIGHT</b>	14-23	<b>130.66</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>124.10</b>
3040-025	45/1.5	case/600	Sky Blue	1-13	<b>133.43</b>
			<b>FREE FREIGHT</b>	14-23	<b>130.66</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>124.09</b>
3040-028	45/1.5	case/600	Lime Green	1-13	<b>133.43</b>
			<b>FREE FREIGHT</b>	14-23	<b>130.66</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>124.10</b>
3040-051	45/1.5	case/600	Yellow	1-13	<b>133.43</b>
			<b>FREE FREIGHT</b>	14-23	<b>130.66</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>124.10</b>
3040-029	45/1.5	case/600	Pink	1-13	<b>133.43</b>
			<b>FREE FREIGHT</b>	14-23	<b>130.66</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>124.10</b>
3040-054	45/1.5	case/600	Royal Blue	1-13	<b>133.43</b>
			<b>FREE FREIGHT</b>	14-23	<b>130.66</b>
			<b>FREE FREIGHT</b>	multi. of 24	<b>124.10</b>



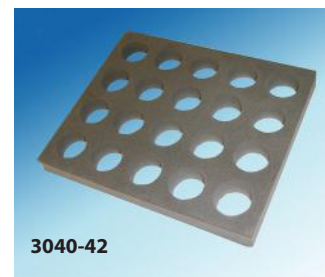
Item No.	Capacity mL/oz	Qty		Qty Break	Your Cost
3040-031	90/3	case/400	Red	1-13	<b>117.94</b>
			<b>FREE FREIGHT</b>	14-23	<b>110.37</b>
			<b>FREE FREIGHT</b>	24+	<b>108.41</b>
3040-035	90/3	case/400	Sky Blue	1-13	<b>116.25</b>
			<b>FREE FREIGHT</b>	14-23	<b>110.37</b>
			<b>FREE FREIGHT</b>	24+	<b>108.41</b>
3040-038	90/3	case/400	Lime Green	1-13	<b>117.94</b>
			<b>FREE FREIGHT</b>	14-23	<b>110.37</b>
			<b>FREE FREIGHT</b>	24+	<b>108.41</b>
3040-036	90/3	case/400	Yellow	1-13	<b>116.25</b>
			<b>FREE FREIGHT</b>	14-23	<b>110.37</b>
			<b>FREE FREIGHT</b>	24+	<b>108.41</b>
3040-041	90/3	case/400	Turquoise	1-13	<b>116.25</b>
			<b>FREE FREIGHT</b>	14-23	<b>110.37</b>
			<b>FREE FREIGHT</b>	24+	<b>108.41</b>
3040-053	90/3	case/400	Royal Blue	1-13	<b>116.25</b>
			<b>FREE FREIGHT</b>	14-23	<b>110.37</b>
			<b>FREE FREIGHT</b>	24+	<b>108.41</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; 20 cavities 7/8" X 8 1/4" X 10"	1-49	<b>5.33</b>
		50+	<b>4.66</b>
3040-43	Fits 3 oz. (90 mL) vials; 20 cavities 7/8" X 8 1/4" X 10"	1-49	<b>4.81</b>
		50+	<b>4.20</b>



## Racks for Sampling Vials

Vinyl coated wire rack hold vials securely. Rugged and designed to withstand daily sanitizing and cleaning.

Item No.	Vial Size	Capacity	Size	Unit of Measure	Qty Break	Your Price
3035-11	2 oz./60 mL	60	17.75" x 10.5" x 5"	Each	1-4	<b>156.48</b>
					5+	<b>122.09</b>
3035-05	2 oz./60 mL	24	9.25" x 6.375" x 2.5"	Each	1-4	<b>65.01</b>
					5+	<b>53.97</b>
3035-15	4 oz./120 mL	18	12.25" x 6.375" x 2.75"	Each	1-4	<b>55.67</b>
					5+	<b>44.54</b>







### Sampling Vials with Hinged Lid (Capitol Plastics)

*Save budget without compromising on quality*

Capitol Plastics hinged lid transparent polypropylene vials feature a distinctive airtight, leakproof cap that allows users to operate with a single hand. This reduces potential contamination, the risk of replacing caps onto the incorrect vial, and eliminating the need to label both the cap and the vial. Hinged vials are ideal for collecting solids or liquids, and can be used in dairy testing, water analysis, environmental sampling, and other general storage applications.

**FREE FREIGHT WHEN YOU BUY 14+ CASES ON ALL CAPITOL PLASTICS SAMPLING VIALS. SEE PAGE 148 FOR MORE INFORMATION.**

#### Specifications for Sampling Vials with Hinged Lid

	Volume	Interior Diameter	Exterior Diameter	Ext. Dia. (lid/hinge)	Interior Height	Exterior Height	Vial Weight
<b>3540-00</b>	1.5oz	29.1 mm	30.2 mm	45.7 mm	82.4 mm	84.4 mm	10 g
<b>3540-03</b>	3oz	34.1 mm	35.9 mm	50.2 mm	92.1 mm	93.9 mm	14 g
<b>3540-04</b>	4oz	44.7 mm	46.19 mm	61.0 mm	88.0 mm	90.3 mm	17 g

Item No.	Product Description	Capacity	Qty	Qty Break	Your Cost
<b>3540-00</b>	Standard Size	1.5 oz	Case of 600	1-13	<b>110.43</b>
	Vial, Commonly Referenced as 2 oz			<b>FREE FREIGHT</b> 14-23	<b>103.97</b>
				<b>FREE FREIGHT</b> multi. of 24	<b>100.83</b>
<b>3540-03</b>	High Profile Design	3 oz	Case of 400	1-13	<b>96.75</b>
				<b>FREE FREIGHT</b> 14-23	<b>89.75</b>
				<b>FREE FREIGHT</b> multi. of 24	<b>89.06</b>
<b>3540-04</b>	Same High Profile Design as Standard Vial	4 oz	Case of 250	1-13	<b>80.86</b>
				<b>FREE FREIGHT</b> 14+	<b>71.45</b>



### Colored Sampling Vials with Hinged Lids (Capitol Plastics)

*Color-coded for optimal lab organization*

The same distinctive airtight, leakproof hinged cap and quality as the standard Capitol Plastics Sampling Vials, now available in a variety of colors, to quickly differentiate sample types and help keep your lab organized.

	Lime	Royal Blue	Yellow	Sky Blue	Red	Pink	Purple	Qty	Qty Break	Your Cost
1.5oz Capacity	<b>3540-028</b>	<b>3540-054</b>	<b>3540-051</b>	<b>3540-025</b>	<b>3540-02</b>	<b>3540-029</b>	<b>3540-022</b>	Case of 600	1-13	<b>123.88</b>
3oz Capacity	<b>3540-038</b>	<b>3540-053</b>						Case of 400	1-13	<b>105.06</b>
									<b>FREE FREIGHT WHEN YOU BUY 14+ CASES</b> 14+	<b>94.89</b>



### Snap-Shut Hinged Lid Vials (Capitol Plastics)

Features a locking mechanism to ensure a leakproof closure under all circumstances. Graduated in milliliters and ounces.

**FREE FREIGHT WHEN YOU BUY 14+ CASES**

Item No.	Vial Size	Qty	Qty Break	Your Cost
<b>3541-00</b>	4oz	Case of 240	1-13	<b>77.32</b>
			14+	<b>69.08</b>
<b>3540-17</b>	10oz	Case of 100	1-13	<b>47.69</b>
			14+	<b>42.61</b>




### Floating Raft for Vials

Floating rafts for 2oz, 3oz, or 4oz sample vials

Item No.	Vial Size	Size	Qty Break	Your Cost
<b>3540-35</b>	2oz	24	1-99	<b>3.92</b>
		4x6	100+	<b>3.47</b>
<b>3540-38</b>	3oz	20	1-99	<b>3.79</b>
		4x5	100+	<b>3.35</b>
<b>3540-41</b>	4oz	12	1-89	<b>4.06</b>
		4x3	90+	<b>3.59</b>

## 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 ½ 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. 



## PET Sampling and Storage Jar





### 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
3041-60	individually bagged, with paper tab	case/100	1-9	<b>30.35</b>
			10+	<b>27.30</b>
3041-80	Bulk pack, paper sterility tab	case/100	1-9	<b>32.24</b>
			10+	<b>30.44</b>

Item No.	Description	Qty	Qty Break	Your Cost
3041-90 	non-sterile	24	1-4	<b>38.34</b>
			5+	<b>31.37</b>
3041-92 	sterile	24	1-4	<b>79.39</b>
			5+	<b>66.15</b>

## Large Sterile Screw Cap Specimen Cup (Cardinal Health)

12 oz (355 mL) capacity plastic container with molded-in graduations. Each container has a metal screw-on leakproof cap. Case of 50. 



Item No.	Qty	Your Cost
3041-21	case/50	<b>236.61</b>

## Larger Sterile Snap Cap Specimen Cup (BD 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.	Your Cost
3041-30	<b>280.67</b>

## 120 mL Sterile Tite-Rite Specimen Cup

These polypropylene containers are the ultimate in leak-tight storage and transport of liquids. An expanded inner liner in the screwcap is designed to compress against the uppermost walls and top rim of the container thereby providing an air-tight seal.

- Molded graduation marks
- Leak-Resistant
- Attached White Screw Cap
- ID Label with Tab Seal

Item No.	Size	Qty	Your Cost
3041-25	120mL (4oz)	case/300	<b>142.48</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.

Item No.	Description	Qty	Qty Break	Your Cost
3031-50	w/sodium thiosulfate tablet	case/200	1-13	<b>112.86</b>
			14+	<b>90.17</b>
3031-55	w/o sodium thiosulfate tablet	case/200	1-13	<b>93.92</b>
			14+	<b>82.17</b>





## 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	Size inches	Qty	Qty Break	Your Cost
3031-00	01040	With tablet	4/118	100mL	3 x 7 1/4	100 per case; 25 per dispenser pack	1-9	<b>57.35</b>
						case/100	10+	<b>46.85</b>
3031-05	01254	With tablet	10/296	300mL	4 1/2 x 9	case/100		<b>160.30</b>
3031-02	01402	stand-up with tablet	4/118	100mL	3 x 7 1/4	100 per case; 25 per dispenser pack	1-9	<b>40.19</b>
						case/100	10+	<b>37.25</b>
3031-07	01403	stand-up with tablet	10/296	300mL	4 1/2 x 9	case/100		<b>75.57</b>

Find more water sampling supplies in our **Water and Wastewater Testing** category

**Beginning on Page 213**



## Sterile Swab System (Copan)

This 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 a 4" breakable plastic shaft. Gamma irradiated for sterility. A certificate of analysis is supplied with each lot.

**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.

Individually wrapped.

Item No.	Swab Length	Qty	Qty Break	Your Cost
3664-30	3 1/2" / 95 mm	pack/50	1-9	<b>84.37</b>
			multi. of 10	<b>70.72</b>



## 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 polyester 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	Qty Break	Your Cost
3059-70	case of 100	1-3	<b>231.33</b>
		4+	<b>219.76</b>



## 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 (See chart to the right.)

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	Qty Break	Your Cost
3059-81	10	cs/250	1-3	<b>309.08</b>
			4+	<b>234.03</b>



## Choose From Our Extensive Selection of Swab Systems



### Sterile Dry Applicator Collection Device (Puritan)

*Polyester tip has excellent collection and release properties*

- Sterile
- 6" polyester tip swab is securely attached to the cap
- Reclosable transport tube
- CE marked for medical use, ISO 9001:2008, ISO 13485:2003
- Case of 100

Item No.	Mfr Item No.	Qty Break	Your Cost
<b>3059-46</b>	25-806 1PD BT	1-4 Multi. of 5	<b>74.70</b> <b>69.71</b>



### CultureSwab Collection and Transport System (BD)

*All-in-one swabs for the collection and transport of aerobes or anaerobes*

Designed to collect, preserve and transport specimen. Each system includes a 5 1/4" swab application used to collect the sample and a tube into which the applicator is placed after collection.

Swabs are provided in a nitrogen-flushed sterile pouch with tamper-evident seals.

Item No.	Product Description	Unit of Measure	Your Cost
<b>BBL220115</b>	CultureSwab™ without media	Pack of 100	<b>53.84</b>



### 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.	Your Cost
<b>3059-38</b>	<b>137.08</b>

### 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
- Individually wrapped



3059-02



3059-06

Item No.	Mfr Item No.	Description	Volume	Qty	Qty Break	Your Cost
<b>3059-01</b>	25-83004-PD NB	Neutralizing Buffer	4 ml	pack/50	1-5 Multi. of 6	<b>85.78</b> <b>72.85</b>
<b>3059-02</b>	25-83010-PD NB	Neutralizing Buffer	10 ml	pack/50	1-5 Multi. of 6	<b>87.25</b> <b>74.08</b>
<b>3059-03</b>	25-83004-PD BS	Butterfield's Solution	4 ml	pack/50	1-5 Multi. of 6	<b>87.26</b> <b>74.09</b>
<b>3059-04</b>	25-83010-PD BS	Butterfield's Solution	10 ml	pack/50	1-5 Multi. of 6	<b>91.10</b> <b>77.35</b>
<b>3059-05</b>	25-83004-PD LB	Lethen Broth	4 ml	pack/50	1-5 Multi. of 6	<b>81.72</b> <b>69.41</b>
<b>3059-06</b>	25-83010-PD LB	Lethen Broth	10 ml	pack/50	1-5 Multi. of 6	<b>96.24</b> <b>81.72</b>
<b>3059-07</b>	25-83004-PD BPW	Buffered Peptone Water	4 ml	pack/50	1-5 Multi. of 6	<b>85.62</b> <b>72.70</b>
<b>3059-08</b>	25-83010-PD BPW	Buffered Peptone Water	10 ml	pack/50	1-5 Multi. of 6	<b>86.46</b> <b>73.06</b>

### EnviroMax Plus® Foam Tip Swab Kits (Puritan)

Strong, flexible handle shaft are available with a pointed tip 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	Qty Break	Your Cost
<b>3059-12</b>	25-88050 PFB UW	EnviroMax Plus® pre-moistened pointed foam tip	pack/25	1-9 multi. of 10	<b>79.07</b> <b>69.52</b>

800-328-8378

#### ACCESSORIES: FOR SAMPLING JARS



More Sample Bottles see pages 79, 218.

SAMPLING SUPPLIES

153


**3060-35**

**3060-30**

**PRLWD425D**

**3060-42**

## Tongue Depressors and Splints

Extremely economical! Popular for a wide variety of laboratory sampling and application procedures. Made from northern hardwood and feature very smooth, splinter free surfaces.

### Key Features

- Wooden tongue depressors are made of northern hardwood
- Tongue depressors feature smooth surfaces
- Wooden splints are also of hardwood
- Non-Sterile, Bulk Packed

Item No.	Size	Qty	Qty Break	Your Cost
<b>Tongue Depressors</b>				
<b>3060-30</b>	4 1/2" x 3/8"	Case of 1000	1-9	<b>18.00</b>
			Multiples of 10	<b>14.41</b>
<b>3060-35</b>	6" x 11/16"	Pack of 500	1-9	<b>15.97</b>
			Multiples of 10	<b>12.77</b>
<b>HWP706</b>	6" x 3/4"	Case of 1200		<b>48.03</b>
<b>Wood Splints</b>				
<b>PRLWD425D</b>	4-1/2" x 1/4"	Pack of 500		<b>9.86</b>

## Tongue Depressors (McKesson)

*Individually Wrapped Tongue Depressors Offer Sterile Sampling For A Fraction Of The Cost*

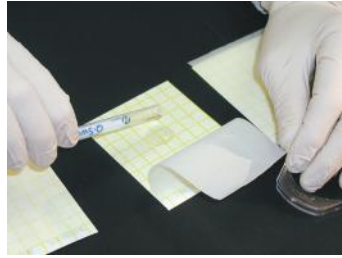
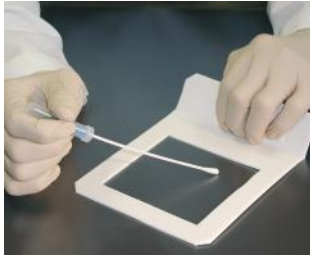
Individually Wrapped Tongue Depressors Offer Sterile Sampling. Extremely economical! Popular for a wide variety of laboratory sampling and application procedures. Odorless and tasteless white birch.

Item No.	Description	Size	Qty	Qty Break	Your Cost
<b>3060-42</b>	sterile ind. wrapped	6" X 11/16"	case/1000	1-9	<b>104.16</b>
				Multiples of 10	<b>83.33</b>

## Applicators, Cotton Tip (Puritan)

Item No.	Description	Size	Tip Style	Stick Type	Qty	Qty Break	Your Cost
<b>HWP25-803-2WC</b>	sterile, 2 swabs	3 in.	Cotton	Wood	pack/200		<b>20.89</b>
<b>HWP25-806-1PD</b>	sterile, individually	6 in.	Darcon	Plastic	pack/100		<b>22.12</b>
<b>HWP25-806-1WD</b>	sterile, individually	6 in.	Polyester	Wood	case/1000		<b>104.77</b>
<b>3060-05</b>	sterile, individually	6 in.	Cotton	Plastic	case/1000	1-9	<b>130.01</b>
						Multiples of 10	<b>104.01</b>
<b>3060-07</b>		6 in.	Cotton	Plastic	case/2000	1-9	<b>140.59</b>
						Multiples of 10	<b>112.46</b>
<b>3060-10</b>	sterile, individually	6 in.	Cotton	Wood	case/1000	1-9	<b>120.22</b>
						Multiples of 10	<b>96.19</b>
<b>3060-12</b>	sterile, 2 swabs	6 in.	Cotton	Wood	case/2000	1-9	<b>132.61</b>
						Multiples of 10	<b>106.08</b>
<b>3060-15</b>	non-sterile,	6 in.	Cotton	Wood	case/1000	1-9	<b>19.12</b>
						Multiples of 10	<b>15.30</b>
<b>3060-16</b>	non-sterile large-tip	6 in.	Cotton	Wood	case/500	1-9	<b>13.11</b>
						Multiples of 10	<b>10.46</b>


**3060-16**
**3060-42**



## Q-Swab™ Sample Collection Devices (Hygiena)

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	List Price
3663-03	Buffered Peptone water	319.05
3663-15	Lethen universal neutralizing medium	318.03

## Broad Spectrum Microtabs II™ (Advanced Instruments)



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	59.71
		25-49	52.35
		50+	47.91

## 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	Qty Break	Your Cost
3059-62	Amies Medium w/o Charcoal	1-9	54.43
		Multiples of 10	34.99
3059-66	Stuart's Liquid Medium	1-9	57.16
		Multiples of 10	36.75



## 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>137.13</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>78.20</b>
					2+	<b>69.60</b>

Item No.	Mfr Item No.	Description	Your Price
<b>4380-51</b>	C06115WA	Ice Chest with Cover	<b>485.70</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	Qty Break	Your Cost
<b>3042-90</b>	4 / 118	5 1/2 x 3 / 140 x 76	9.5/241		<b>14.85</b>
<b>3042-92</b>	40 / 1183	5 x 7 1/2 / 127 x 191	12 / 305	1-2	<b>147.52</b>
				3+	<b>137.68</b>



## Scoops, Polypropylene (Bel-Art Scienceware)

Rigid, strong and smooth. Steam autoclavable at 250°F.

Item No.	Bowl, inch	Handle, inch	Capacity, cc	Qty	Your Cost
<b>3062-20</b>	3 1/2 X 1 1/2 X 1 1/4	1 7/8	75	pack/12	<b>32.14</b>
<b>3062-22</b>	5 X 2 X 2	2 1/2	200	pack/12	<b>33.41</b>
<b>3062-24</b>	8 X 4 3/4 X 3	4	1100	pack/6	<b>37.68</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	Your Cost
<b>3062-30</b>	pack/6	<b>108.94</b>

## Sterile Sampler Scoops (Argos Technologies)




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	Qty Break	Your Cost
3042-12	2oz (60 mL)	1 X 3 X 1 1/2	7	1-4	<b>131.33</b>
				5+	<b>114.24</b>
3042-14	4oz (125 mL)	1 X 3 X 1 3/4	7 1/2	1-4	<b>179.96</b>
				5+	<b>170.96</b>
3042-16	8oz (250 mL)	2 X 5 X 2	7 1/2		<b>286.44</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	Qty Break	Your Cost
3042-17	60mL (2oz)	25 x 76 x 38mm (1 x 3 x 1 1/2")	203cm (8")	case/100		<b>217.73</b>
3042-18	125mL (4oz)	25 x 89 x 44mm (1 x 3 1/2 x 1 3/4")	216cm (8 1/2")	case/100		<b>247.50</b>
3042-19	250mL (8oz)	51 x 127 x 51mm (2 x 5 x 2")	221cm (8 11/16")	case/100	1-4	<b>343.29</b>
					5+	<b>384.81</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)	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")	1-3	<b>215.95</b>
			4+	<b>204.38</b>
3042-36	125 mL (4 oz)	9.1 x 4.6 x 3.1 cm (3.5 x 1.75 x 1.25")	1-3	<b>322.65</b>
			4+	<b>305.33</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 whirl-type sterile bag for sample transport. Ideal for food, pharmaceutical and environmental sampling. Case of 50. 

Item No.	Qty Break	Your Cost
3042-50	1-4	<b>111.18</b>
	5+	<b>101.64</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.	Qty Break	Your Cost
3042-52	1-4	<b>140.07</b>
	5+	<b>130.57</b>



## Sampling Spoons

**Why pay more? Heavyweight spoons available in white or black to help stand out in a wide variety of samples.**

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.

The dark black spoons really stand out in a wide variety of samples, reducing the chance of forgetting or losing them in a sample.



Item No.	Description	Color	Capacity, overflow	Stem Length	Qty	Qty Break	Your Cost
4387-00	heavyweight teaspoon	white	7 mL	5 13/16" / 148 mm	case/1000	1-9	<b>150.14</b>
						10+	<b>120.73</b>
4387-10	heavyweight teaspoon	black	7 mL	5 13/16" / 148 mm	case/1000	1-9	<b>150.14</b>
						10+	<b>120.73</b>



## Sterile Sampling Spoons (Nasco)

Super economical, durable plastic sterile spoons are suitable for many sampling procedures. Packed 20 per sterile bag; pack of 100 (5 bags).

Item No.	Description	Qty Break	Your Cost
3042-40	spoons	1-9	<b>21.98</b>
		10+	<b>20.17</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	Qty Break	Your Cost
3042-20	0.25 teaspoon — 1.23 mL	1-4	<b>243.27</b>
		5+	<b>222.40</b>
3042-22	0.50 teaspoon — 2.46 mL	1-4	<b>360.58</b>
		5+	<b>399.17</b>
3042-24	1.00 teaspoon — 4.93 mL		<b>324.86</b>
3042-26	1.00 tablespoon — 14.79 mL		<b>303.83</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



3042-28	X-tra Large and Strong Rounded Tip – 25 mL case/25	1-4	<b>75.18</b>
		5+	<b>68.73</b>





### Disposable smartSpatula® (LevGo)

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	Your Cost
3160-80	blue	standard	210/8.3	pk/300	31.65
3160-82	opaque	standard	210/8.3	pk/300	31.65
3160-85	green	macro	310/12.2	pk/150	36.67



### 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	Qty Break	Your Cost
3160-90	opaque	210/8.3	pk/100	1-4	112.21
				5+	99.01



### 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.	Your Cost
3160-30	11.62



Find security seals at [weberscientific.com](http://weberscientific.com)

### 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	Your Cost
3042-30	Pack/100	200.96
3042-31	Pack/50	108.85



### 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	Your Cost
3060-55	30 cm/11.8"	63.68



3160-45

### Economy Lab Scoop

Stainless steel. 6" (150 mm) long.

Item No.	Length	Your Cost
3160-45	6" / 150 mm	3.48



### Economy Spatula

Stainless steel, polished, one side is a spoon and the other side is flat.

Item No.	Length	Your Cost
3160-70	6" / 150 mm	2.02
3160-73	8" / 200 mm	3.20



Left to Right:  
3038-03, -09, -06



## Sterile Dipper Samplers (Dynalon)

Enable sterile sampling and transportation of liquid without the risk of contamination with the Dynalon Sterile Dipper Samplers. They are designed for sample collection and dispatch from one source, thus eliminating the risk of cross-contamination. They are available in transparent polystyrene and the handles are easily removable, facilitating transport. All are supplied sterile by irradiation and are individually wrapped to ensure complete sterility.

	3038-03	3038-06	3038-09
Container Material	clear PS	clear PS	clear PS
Cap Material	PP	metal	metal
Handle Length	15.2"/385mm	15.2"/385mm	13"/330mm
Container Height	3.7"/93mm	3"/76mm	4.7"/121mm
Diameter	1.2"/30mm	2"/50mm	2.6"/65mm

Item No.	Capacity	Unit of Measure	Qty Break	Your Cost
3038-03	30mL	Case of 50	1-14	<b>140.65</b>
			15+	<b>123.04</b>
3038-06	100mL	Case of 50	1-14	<b>183.11</b>
			15+	<b>157.31</b>
3038-09	250mL	Case of 50	1-12	<b>240.85</b>
			13+	<b>208.31</b>



## Dippers with Removable Handle (Gosselin)

These sterilized polypropylene dipping containers are 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 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	Qty Break	Your Cost	Qty Break	Your Cost
3037-12	case/250	1-14	<b>375.82</b>	15+	<b>327.01</b>
3037-18	case/150	1-14	<b>273.88</b>	15+	<b>238.30</b>
3037-21	case/100	1-14	<b>213.19</b>	15+	<b>185.50</b>



## DispoDipper Sampling Tubes (Bürkle)

Manufactured in a cleanroom, DispoDipper Sampling Tubes are specially designed for disposable use and their blue color makes them perfect for use in food, animal feed, and pharmaceutical industries. The scaled sample container can be used for an exact measurement, then after sampling the container can be closed and is leakproof. The closed handle structure ensures secure handling.

	3038-13	3038-16	3038-19
Volume	50mL (1.5oz.)	100mL (3.5oz.)	250mL (8oz.)
Cap Diameter	40mm (1.57")	53mm (2.09")	72mm (2.83")
Dimensions	3.86 x 16.42"	3.86x16.34"	4.57x16.89"
Material	Blue PP	Blue PP	Blue PP
Immersion Depth	270mm (10.63")	270mm (10.63")	270mm (10.63")
Packaging	Individually wrapped, sterilized by gamma rays		
Quality Control	Production and packaging according to clean room class 7. Complies with FDA regulations.		

Item No.	Capacity	Unit of Measure	Your Cost
3038-13	50mL	Pack of 20	<b>61.09</b>
3038-16	100mL	Pack of 20	<b>84.24</b>
3038-19	250mL	Pack of 20	<b>95.61</b>

### Easy-to-Use and Transport



Unpack the sampler and detach the cover at the predetermined breaking point from the handle.



Extract the sample using the sample container.



Securely close with the cover.



Break off handle at the predetermined breaking point for easy and space-saving transport.



## 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	Your Cost
<b>3065-22</b>	3 foot	<b>46.53</b>
<b>3065-24</b>	6 foot	<b>94.22</b>
<b>3065-26</b>	12 foot	<b>184.06</b>



## 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	Your Cost
<b>3065-33</b>	3 foot handle	<b>60.31</b>
<b>3065-35</b>	6 foot handle	<b>78.53</b>
<b>3065-38</b>	Extra 500 mL screw-on cup	<b>14.42</b>



## "Bacti-Kit" Single-Service Sampling Tubes (Dairy Technology)

Sterile, disposable sampling straws are economical and easy to use. Ideal for sanitarians and field men as these are convenient and sanitary to carry between stops. No possibility of bacteriostatic effect of incompletely rinsed washing compounds.

Cardboard tube dispensers feature a white cap on one end and a black cap on the other to help prevent loss of caps in testing samples. Single service provides confidence in the reliability of bacteria counts by those being sampled. Extra length insures representative samples from tanks. Pack of 250 straws; 10 tubes X 25 straws per tube. Individually wrapped.

Item No.	Length inches	O.D. inches	Qty Break	Your Cost	Qty Break	Your Cost
<b>3030-00</b>	24	1/4	1-5	<b>85.31</b>	multiples of 6	<b>76.51</b>
<b>3030-18</b>	18	1/4	1-5	<b>80.77</b>	multiples of 6	<b>73.99</b>



## Milk Sampling Dipper

Stainless steel with hanging hook & overflow hole. One piece construction means no joint where handle and bowl meet, eliminating sample residue from collecting and growing bacteria. Double pour spouts.

Item No.	Capacity	Handle Length	Your Cost
<b>3062-34</b>	20 mL	30"	<b>159.82</b>



## 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.

Item No.	Your Cost
<b>3062-08</b>	<b>306.85</b>



## Dipper with Graduations

1 1/2 foot handle. 500 mL graduated cup. 2 pour spouts. PVC handle grip. High density polyethylene

Item No.	Your Cost
<b>3056-19</b>	<b>37.44</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 11/16" to 1/2". Overall length is 7 1/2".

Item No.	Your Cost
<b>3062-16</b>	<b>175.98</b>



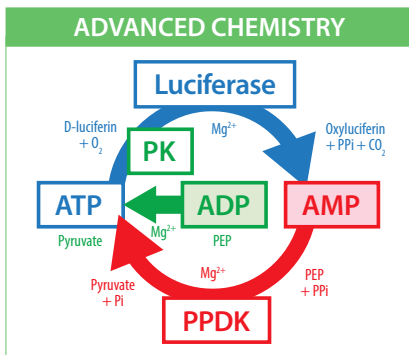


## Lumitester™ Smart A3 Sanitation System (Kikkoman)

Only Kikkoman's new Lumitester™ Smart A3 Sanitation System, distributed by Weber Scientific, detects ATP+ADP+AMP with one swab to give you the whole picture. Its patented A3 Technology has been proven to detect residues and microorganisms that others miss.

### The proof is in the testing

Independent laboratory testing confirms that the Kikkoman A3 technology provides detection of residues at levels much lower than other tests on the market. Using residue from many different foods, laboratory testing proved that Kikkoman A3 technology produced a test result (relative light units - RLU) an order of magnitude or higher than competitive products. In many of the foods tested, Kikkoman A3 technology showed a strong presence of residue while the competitive products produced test results below typical action levels showing that Kikkoman A3 can reduce the risks from false negative results.



**Eliminate Contamination**  
Sanitation is critical to food safety and ineffective cleaning can affect the appearance and taste of food, harbor microorganisms and promote the production of biofilms. So, if your sanitation system only detects ATP, you're missing potential contaminants.

ATP can be unstable and decompose into ADP and AMP. This means conventional systems that test for ATP alone may fail to find the true presence of contamination and may produce false negatives. Only the breakthrough chemistry in Kikkoman A3 technology detects ATP, ADP and AMP - more than any other product out there. Assure better surface sanitation and support a more effective sanitation program that reduces the presence of resident organisms and the risks from food pathogens.

### Features

- Provides real-time feedback and facilitates long-term data analysis
- Optimizes and verifies that cleaning procedures are working
- Assists in developing and improving process and risk assessment programs (i.e. HACCP & GMPs)

### Specifications

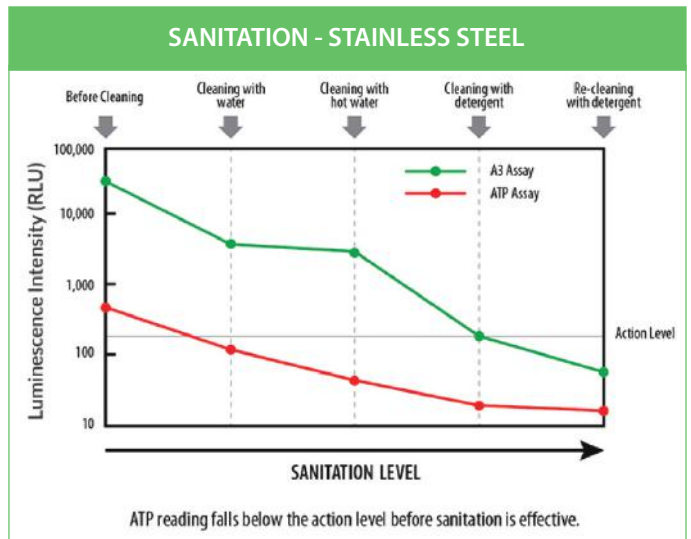
- Available Calibration Kit for in-house confirmation of calibration
- Powerful software included
- Small, lightweight, handheld instrument
- Powered by 2 x AA batteries for several months of uninterrupted use
- Removable read chamber design allows for easy cleaning
- Durable outside shell and sealed keypad to protect against splashes and wear
- Original one year warranty includes parts and labor (additional coverage available)

### Common Threshold Setting

- Food contact soft surface 500-1000 rlu
- Food contact stainless surface 200-400 rlu
- Food service hands 1500-3000 rlu
- Hospital 1000-2000-rlu
- Total ATP Water 200-500 rlu

### Powerful Data Analysis Software package is included

- 100 programmable test plans
- 200 programmable user IDs
- 251 programmable locations per test plan
- 5,000 programmable test locations



## Lumitester™ Smart (Kikkoman)

For a Sanitary Environment in  
All Workplaces

- Hygiene monitoring in three easy steps
- Visualize the data with App
- Access from anywhere with cloud storage

### ATP+ADP+AMP with A3 Detection

#### MEASURE:

Easy-to-use, results within 10 seconds

##### Step 1: Swab

- Swab the sample and insert the swab into main body

##### Step 2: Measure

- Shake well and insert into the Lumitester

##### Step 3: Analyze

- Measurements (RLU) displayed within 10 seconds



#### UNDERSTAND:

##### App to continuously monitor multiple data

Recorded data can be displayed in time-series by registering with our specialized App. Inspection pass rates are automatically graphed and improvements can be visualized. Employees will be more conscious of hygiene, and will maintain a high standard of environmental sanitation, which will help build greater trust in your business.

#### CONNECT:

##### Centralized multi-site data with cloud data management

Data will be stored in the cloud and can be accessed from anywhere in the world. This will allow fast detection and response to any problems that may arise.

Item No.	Mfr. Item No.	Description	Qty Break	Your Cost
5300-01	61234	Lumitester™ Smart	1	1,448.99
			2+	1,241.99



Item No.	Description	Qty	Qty Break	Your Cost
5300-10	LuciPac™ A3 Pen Swab System	Case/100	1	258.56
		(20 x 5 aluminum bags)	2+	240.53
5300-11	LuciPac™ A3 Pre-Moistened Surface Swab System	Case/100	1	258.56
		(20 x 5 aluminum bags)	2+	240.53
5300-15	LuciPac™ A3 Pen Aqua Swab System – layered flange tip for water sampling Total ATP	Case/100	1	258.56
		(20 x 5 aluminum bags)	2+	240.53
5300-20	Lumitester™ Calibration Kit			565.48

#### Detection - A3 vs. Competitors

ATP in meat, seafood, egg and fruit is decomposed into ADP and AMP during processing increasing levels of ADP and AMP. The A3 Sanitation System showed superior sensitivity and stability for detection of food residues compared to competitive ATP tests.



Videos, additional literature, and more  
available at [weberscientific.com/A3](http://weberscientific.com/A3)





## EnSURE™ Touch

### EnSURE™ Touch Quality Monitoring System (Hygiena)

#### A Complete Environmental Monitoring Solution

The EnSURE Touch features superior performance, sensitivity, innovative design and functionality upgrades including:

- Responsive 5" shatter-proof touch screen that works while wearing gloves.
- Re-designed user interface that functions like a smart phone and configures to fit any facility or network of facilities.
- Wi-Fi capabilities and wireless sync technology for secure data transfer to new cloud-based software.
- Collection and storage of important testing data such as room number, line name, cleaner used, and more.
- Unique and extremely easy to use Re-test function.
- Training remote teams with built-in screen sharing technology.
- Automatic updates and calibration check reminders.

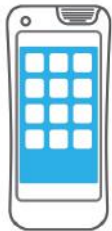
The EnSURE Touch is designed with its users in mind. Incorporating key design features and customization options, it is easily setup for industries like food and beverage manufacturing, healthcare, food service, hospitality, and many more.

The EnSURE Touch is accompanied by the latest version of Hygiena's SureTrend Data Analysis Software, SureTrend Cloud. The updated software is available in cloud-based or desktop formats and enables users to monitor, track, and trend testing results across one or multiple facilities, schedule automatic reports, and easily configure one or hundreds of monitoring systems from a single SureTrend account.

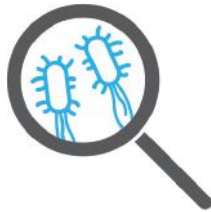
### SureTrend™



### Key Benefits:



**Intuitive Smartphone Design**



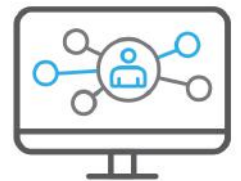
**Multiple Food Safety & Quality Tests**



**Centralized Cloud-Based Reports**



**Palm-Size Technology**



**Internet-Enabled Remote Training**



#### Always Ready, Always Reliable

Centralize all your environmental monitoring tests in one cloud-based location, giving you a complete 360-degree view of your food safety program.

Item No.	Description	Qty Break	Your Cost
3661-60	EnSURE Touch Luminometer	1	<b>2,264.66</b>
		2+	<b>2,123.12</b>
3661-62	CalCheck LED Calibration Verification		<b>758.62</b>

#### ACCESSORIES:



ATP Hygiene Monitoring Swabs see page 160.  
Micro-Snap see page 30.



## SureTrend™

**SureTrend™ data analysis software** allows you and all your stakeholders to monitor plant hygiene whenever and wherever you want, and it's free with every Hygiena™ luminometer.

Use SureTrend to:

- Track test results
- Quickly identify problem areas
- Analyze sanitation effectiveness
- Automatically generate reports
- Maintain records for regulatory compliance
- Facilitate continuous improvement



### See everything you need on the dashboard.

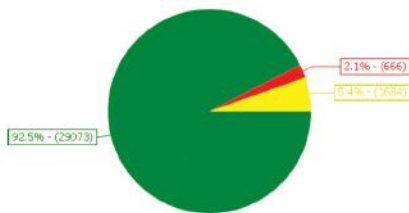
The SureTrend dashboard appears at launch and can be configured so you can monitor results in the areas that need attention in seconds. The dashboard displays Pass/Caution/Fail results and failed test results by location or plan. Trend graphs help you confirm corrective actions were taken, anticipate fail results, and react to contamination sooner.

### Chart your way to perfect hygiene.

SureTrend makes charting easy with over 30 pre-programmed reports. Choose any one of the template reports commonly used in the food and beverage industry, and then you can customize and save reports to your favorites. Export PDFs for easy sharing or open data sets in Excel® for further data analysis.

### Trending

Use SureTrend to identify cleaning trends, contamination spikes, and corrective actions. Take control of your program and confidently reduce repeat cleaning sessions and downtime for faster production and reduced costs.



### Tracking

Monitor equipment, track changes to cleaning procedures, and generate reports for management or record keeping to facilitate continuous improvement.

### Build your network.

Install SureTrend on a network server and link devices, departments, and even plants for convenient communication and collaboration.

### Create a global location directory for your HACCP program.

The global location directory allows HACCP coordinators to create a global list of all locations and test plans that should be tested in a facility, making them accessible to all plants. By standardizing test locations, facility comparison is easier than ever.



### Let us randomize your plan.

Let SureTrend generate test plans by randomly selecting locations from a list and giving you statistical coverage over a given time period. Randomization is an ideal feature for facilities that can't test every location every day, but want to monitor 100% of locations.

## SystemSURE Plus™ Sanitation Monitoring System (Hygiena) Specifically for ATP Hygiene Monitoring

SystemSURE Plus is the next generation system of the world's best-selling SystemSURE II ATP sanitation monitoring system. With improved functionality, new software, and increased memory, the SystemSURE Plus meets the demands of the largest and smallest companies around the world.



### Benefits

- Most cost-effective ATP sanitation monitoring system available
- Provides real-time feedback and facilitates long-term data analysis
- Optimizes and verifies that cleaning procedures are working
- Assists in developing and improving process and risk assessment programs (ie. HACCP & GMPs)
- No scheduled yearly maintenance necessary
- Available Calibration Control Kit for in-house confirmation of calibration
- Complimentary SureTrend Software

### Features

- Sensitive - Detects down to 1 femtomole (1 x 10<sup>-15</sup> moles) of ATP
- Advanced photodiode technology - Internal solid state detector is not affected by drops or shakes
- Storage: 100 programmable test plans, 200 programmable user IDs, 251 programmable locations per test plan, 5,000 programmable test locations
- Small, lightweight, handheld instrument (0.57 lbs., 7 x 18. x 3 cm)
- Quick-test mode enables ad-hoc testing
- Large screen with back-light and optional BOLD text
- Powered by 2 x AA batteries for several months of uninterrupted use
- Connects to software via USB
- Removable read chamber design allows for easy cleaning
- Durable outside shell and sealed keypad to protect against splashes and wear
- Original one year warranty includes parts and labor (additional coverage available)

Item No.	Mfr Item No.	Description	Qty Break	Your Cost
3661-80	SS3	SystemSURE Plus	1	1,888.65
			2+	1,723.39
3661-82	CABLEUSB	Smart USB Cable w/Driver Software		72.39

Videos on how and where you can use ATP cleaning verification to improve your sanitation monitoring are available at [weberscientific.com](http://weberscientific.com)



800-328-8378

### ACCESSORIES: FOR HYGIENE MONITORING



Hycheck Test Kits see website.  
AquaSnap Test Device see page 218.  
AllerSnap Test Device see page 5.

SANITATION SUPPLIES

165

**BEST  
SELLER**

## ATP Hygiene Monitoring Swabs (Hygiena)

All-in-one test which detects low levels of ATP (Adenosine Triphosphate)



### 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 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 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	Your Cost
<b>3661-75</b>	US2020	UltraSnap	case/100	<b>276.28</b>
 <b>3661-92</b>	CK25	Positive Control Kit	pack/25	<b>193.27</b>
 <b>3661-87</b>	SSCC03	Swab Cooler	each	<b>64.31</b>

### NEW AOAC-RI certification!

Key findings from the third party study:


- UltraSnap™ had very low limits of detection – down to 0.77 RLU
- UltraSnap™ detected ATP on surfaces at dilutions of 1:1,000 or lower
- UltraSnap™ produces consistent results with no statistically significant variability



## SuperSnap™ (Hygiena)

### The Next Level of ATP Detection

- High Sensitivity – 4X more sensitive than UltraSnap
- 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
  - Breaks through biofilms
  - Detects very small amounts of ATP and organic residues
  - Suitable for allergen monitoring –detects residues at levels down to 1 – 100 PPM, which is similar to the detection capabilities of specific allergen tests
- 100% recyclable plastics - low carbon footprint

Item No.	Description	Qty	Your Cost
 <b>3661-76</b>	SuperSnap	case/100	<b>327.69</b>
<b>3661-60</b>	EnSURE Luminometer		<b>1,988.34</b>
<b>3661-80</b>	SystemSURE Plus		<b>1,888.65</b>



## CrossCheck Acid Phosphatase Test (Hygiena)


CrossCheck is a rapid bioluminescent 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. For use with EnSURE monitoring system.

#### 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	Your Cost
 <b>3661-88</b>	CX-3000	CrossCheck Acid Phosphatase Test	Pk/10	<b>344.24</b>



## ZymoSnap ALP Alkaline Phosphatase Test (Hygiena)

### Detects down to 0.001% raw milk

ZymoSnap measures alkaline phosphatase (ALP) enzyme activity in milk products to verify pasteurization efficiency in 10 minutes.

- Patented snap-valve technology and liquid-stable reagent
- 100% recyclable test device
- For use with EnSURE monitoring system
- Detects down to .001% raw milk
- Detects below regulatory limits (<350 mU/L)
- Clear, reliable results even at low levels (25-100mU/L)

Item ZS-ALP-PC (a positive control) is recommended for use with ZymoSnap. Please call 800-328-8378 for details.

Item No.	Mfr Item No.	Qty	Your Cost
 <b>4161-90</b>	ZS-ALP	Case/100	<b>312.07</b>

### ACCESSORIES: ADDITIONAL SWABS



Micro-Snap see page 30.

AquaSnap ATP Water Testing Device see page 218.

## SpotCheck Plus™ Glucose and Lactose Residue Test (Hygiena)

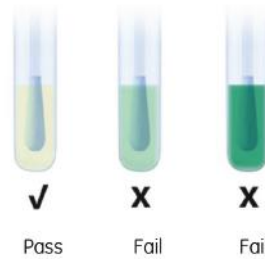
SpotCheck Plus detects the presence of glucose and lactose on a surface as a rapid indicator of surface hygiene. Simply swab a surface, release the reagent, and if any residue containing glucose and/or lactose is present, the reagent will turn green. The more contamination present, the quicker the color change and darker the color. SpotCheck Plus instantly validates the hygiene of a surface, allowing immediate corrective action to be taken if necessary. If it turns green, it isn't clean!

### Benefits:

- ✓ All-in-one device
- ✓ Easy-to-interpret color results
- ✓ No instrumentation necessary
- ✓ Results in 60 seconds
- ✓ Pre-moistened swab for reliable collection, recovery, and detection
- ✓ 100% recyclable
- ✓ 18 month shelf life at refrigerated temperatures (2-8°C)
- ✓ 4 week shelf life at room temperatures (21-25°C)

### Sensitivity:

- ✓ Detects down to 2.5 μmoles D-glucose or 5.0 μmoles lactose in 60 seconds
- ✓ Disregard any color change after 2 minutes



Item No.	Description	Qty	Qty Break	Your Cost
3660-12	SpotCheck Plus glucose lactose residue test device	pack/100	1	249.47

### 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.

## PRO-Clean™ Rapid Protein Food Residue Test (Hygiena)

### 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 protein 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	250.61





## 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	Your Cost
<b>3077-09</b>	CM-240	10-200 ppm	10-50-100-200 ppm	<b>5.27</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	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	1-9 10+	<b>7.17</b> <b>5.83</b>
<b>3077-11</b>	QT-10	2-chain quat types	0-400 ppm	0-100-200-300-400 ppm		<b>5.92</b>
<b>3077-12</b>	QT-40	4-chain quat types	0-500 ppm	0-150-200-400-500 ppm		<b>6.92</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)	Qty Break	Your Cost
<b>5049-03</b>	2997	Alkalinity	0-180	50	0, 40, 80, 120, 180	1-9 10+	<b>14.67</b> <b>12.85</b>
<b>5049-06</b>	2999	Chlorine Dioxide	0-10	50	0, 0.25, 0.5, 1, 3, 10	1-9 10+	<b>14.52</b> <b>13.96</b>
<b>5049-09</b>	3002	Chlorine Dioxide	0-500	50	0, 10, 25, 50, 100, 250, 500	1-9 10+	<b>12.98</b> <b>12.51</b>
<b>5049-45</b>	2964-G	Chlorine, Free, Low Range	0-10	25	0, 0.25, 0.5, 1, 3, 5, 10	1-9 10+	<b>8.95</b> <b>8.09</b>
<b>5049-48</b>	3031	Chlorine, High Range	0-800	50	0, 50, 100, 250, 500, 800	1-9 10+	<b>24.73</b> <b>21.72</b>
<b>5049-12</b>	2979	Chlorine, Total	0-5	50	0, 0.5, 1, 3, 5	1-9 10+	<b>14.65</b> <b>14.10</b>
<b>5049-15</b>	2981	Hardness, Low Range	0-180	50	0, 30, 60, 120, 180	1-9 10+	<b>15.24</b> <b>14.63</b>
<b>5049-21</b>	3000	Peracetic Acid	0-160	50	0, 10, 20, 40, 60, 85, 160	1-9 10+	<b>13.28</b> <b>12.78</b>
<b>5049-42</b>	3000LR	Peracetic Acid, Low Range	0-50	50	0, 5, 10, 20, 30, 50	1-9 10+	<b>13.11</b> <b>12.62</b>
<b>5049-54</b>	3000HR	Peracetic Acid, High Range	0-1000	50	0, 50, 100, 250, 500, 1000	1-9 10+	<b>12.51</b> <b>12.06</b>
<b>5049-51</b>	2984LR	Peroxide	0-50	25	0, 1, 3, 10, 30, 30, 50	1-9 10+	<b>14.82</b> <b>14.28</b>
<b>5049-18</b>	2974	pH, Wide Range	4-10 (pH)	50	4, 5, 6, 7, 8, 9, 10	1-9 10+	<b>15.53</b> <b>14.91</b>
<b>5049-58</b>	2934	QAC (Quaternary Ammonia Compound) test strips	0-80 0-800	50	0, 10, 20, 40, 80 0, 100, 200, 400, 800	1-9 10+	<b>9.99</b> <b>9.59</b>

### ACCESSORIES: FOR SANITATION AND SAFETY SUPPLIES



More pH Test Strips see pages 119.  
Water Test Kits see page 219.  
Water Test Strips see page 216.

## 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	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	1-9	<b>15.58</b>
						10+	<b>14.47</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	1-9	<b>15.58</b>
						10+	<b>14.47</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	1-9	<b>14.02</b>
						10+	<b>13.02</b>
4312-15	480022	Chlorine, free	1-120	0, 1, 2, 5, 10, 20, 40, 80, 120	bottle/50	1-9	<b>11.69</b>
						10+	<b>10.85</b>
4312-20	480024	Chlorine, free high range	0-750	0, 25, 50, 100, 200, 300, 400, 500, 750	bottle/50	1-9	<b>11.69</b>
						10+	<b>10.85</b>
4312-18	480124	Chlorine, free	0-2000	0, 25, 50, 200, 500, 800, 1000, 1500, 2000	bottle/50	1-9	<b>11.69</b>
						10+	<b>10.85</b>
4312-50	480018	Iodine	0-5	0, 0.02, 0.05, 0.1, 0.2, 0.3, 0.4, 0.5, 1, 2, 3, 4, 5	bottle/50	1-9	<b>13.25</b>
						10+	<b>12.31</b>
4312-54	480065	Peracetic Acid	0-100	0, 2, 5, 10, 20, 30, 40, 100	bottle/50	1-9	<b>9.89</b>
						10+	<b>8.17</b>
4312-55	480066	QAC (Quaternary Ammonia)	0-1000	0, 100, 150, 200, 300, 350, 400, 1000	bottle/50	1-9	<b>8.42</b>
						10+	<b>7.84</b>
4312-56	481234	Ozone	0 - >0.5	0, 0.05, 0.1, 0.2, 0.3, 0.4, >0.5	bottle/50	1-9	<b>16.37</b>
						10+	<b>15.19</b>
4310-28	481015	Peroxide	0-4	0.05, 0.3, 0.5, 1.0, 2.0, 4.0	bottle/50	1-9	<b>15.83</b>
						10+	<b>14.72</b>
4310-26	480014	Peroxide	0-100	0, 0.5, 2, 5, 10, 25, 50, 100	bottle/50	1-9	<b>12.46</b>
						10+	<b>11.57</b>



### Hydrion Chlorine Test Strips (Micro Essentials)

Hydrion chlorine test strips measure the concentration of free chlorine in sanitizing solutions.

Item No.	Mfr Item No.	Description	Range, ppm	Qty per Vial	Your Cost
3077-17	CH-1000	Chlorine test strips 0-1000	0-50-100-250-500-800-1000	100	<b>12.56</b>
3077-15	CH-300	Chlorine test strips 0-300	0-25-50-100-200-300	100	<b>11.01</b>



### 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>12.39</b>
					20+	<b>11.11</b>
4310-15	2948-BJ	Iodine test strips	12, 25, 50, 100	200 strips	1-19	<b>10.76</b>
					20+	<b>7.98</b>
4310-22	2951	QAC (Quaternary Ammonia Compound) test strips	50, 100, 200, 400	100 strips	1-19	<b>10.53</b>
					20+	<b>7.90</b>
4310-23	3072-J	QAC (Quaternary Ammonia Compound) test strips	0, 100, 200, 300, 400, 500	100 strips	1-19	<b>10.98</b>
					20+	<b>8.85</b>
5049-57	2951HR	QAC (Quaternary Ammonia Compound), High Range	200, 400, 600, 1000, 1500	50 strips	1-9	<b>11.59</b>
					10+	<b>9.94</b>





## The VersaClenz All-In-One Hand Hygiene System

### 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	Qty Break	Your Cost
4339-10	AD10048C	VersaClenz Touchless Dispenser - White	1-5	<b>61.31</b>
			6+	<b>57.90</b>
4339-12	AD10048BC	VersaClenz Touchless Dispenser - Black	1-5	<b>61.31</b>
			6+	<b>57.90</b>
4339-15	MD10030C	VersaClenz Manual Dispenser - White	1-5	<b>25.23</b>
			6+	<b>23.82</b>
4339-17	MD10030BC	VersaClenz Manual Dispenser - Black	1-5	<b>29.68</b>
			6+	<b>28.52</b>
4339-20	KTS1010	Floor Stand - Standard		<b>110.06</b>
4339-21	KTS1011	Floor Stand - EZ-Change		<b>144.41</b>
4339-22	KTS1012	Floor Stand - Video		<b>402.72</b>
4339-24	JPP10088	Catch Tray - Black		<b>7.53</b>
4339-25	JPP10091	Catch Tray - Translucent		<b>7.54</b>
4339-26	USP20026	Tabletop Display Stand		<b>24.87</b>

## VERSACLENZ CARTRIDGES

### Alpet E3 Plus Hand Sanitizer Spray (Best Sanitizers)

**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	Qty Break	Your Cost
4339-01	SO10039	pack/6	1000 mL cartridges	1	<b>94.22</b>
			Versaclenz	2+	<b>82.45</b>

### Alpet E2 Sanitizing Foam Soap (Best Sanitizers)

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-xylene) 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	Your Cost
4339-05	SO10029	pack/6	1250 mL cartridges	<b>95.79</b>
			Versaclenz	



### 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	Qty Break	Your Cost
4336-05	SA10013	50 gal.		1	1,245.21
				2+	1,162.19
4336-08	SA10014	gallon	requires pump kit (#4336-16)	1-3	33.86
				4+	30.64
4336-11	SA10012	liter	requires pump sprayer (#4336-17)	1-5	14.41
				6+	13.82

Item No.	Mfr Item No.	Qty	Comments	Your Cost
4336-16	KT10011	each	pump kit fits gallon bottles, reusable	11.71
4336-17	JPP10007	each	atomizing, metered pump sprayer for liter bottle, reusable	7.72

### 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
4336-34	MD10012	freestanding	683.57
4336-31	MD10105	wall-mount	257.98

### AlcoSCRUB® Foam Antiseptic Hand Cleansers (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	Qty Break	Your Cost
4336-80	AlcoSCRUB Foam Instant Antiseptic Hand Cleanser (32 oz, 946 mL foaming bottle w/pump top)	Each	1-7 8+	25.75 23.91
4336-81	Wall bracket for 32 oz foaming bottle	Each		3.49

### AlcoSCRUB® Gel Antiseptic Hand Cleansers (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	Qty Break	Your Cost
4336-55	16 oz (473 mL) pump bottle	1-11 12+	12.66 11.76
4336-60	32 oz (969 mL) pump bottle	1-11 12+	15.67 14.29

### 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	106.60

## 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	Your Cost
<b>4338-33</b>	SO10042	pack/12	250mL Bottle w/pump	<b>160.23</b>
<b>4339-04</b>	SO10036	pack/6	1250 mL cartridges Versaclenz	<b>82.45</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
<b>4329-27</b>	16 oz. / 473 mL	<b>14.40</b>



## Bacdown® Handsoap (Decon)

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
<b>4326-10</b>	1 liter dispensing pump jar	1-11 Multiples of 12	<b>27.18</b> <b>22.99</b>
<b>4326-20</b>	5 liter	1-3 Multiples of 4	<b>96.35</b> <b>81.50</b>



## AutoMyst 2 Touchless Hand Sanitizer Dispenser (Best Sanitizers)

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. Includes Pump Sprayer (#4336-17), (Alpet E3 liter size (#4336-11) or SMA0016U order separately).



Item No.	Mfr Item No.	Description	Your Cost
<b>4336-38</b>	AD10061	Dispenser w/ 4 D-batteries	<b>90.36</b>
<b>4336-40</b>	JPP10090	Optional tray	<b>5.72</b>

## HACCP Q E2 Sanitizing Liquid Soap (Best Sanitizers)

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

Can be used with **4336-28** ( dispenser – wall mount )

Item No.	Mfr Item No.	Description	Your Cost
<b>4338-26</b>	SO10003	1 gallon bottle case/4	<b>90.74</b>
<b>4338-27</b>	SO10002	55 Gallon Drum	<b>963.64</b>
<b>4338-30</b>	KT10011S	Liquid Soap Pump Kit	<b>10.19</b>
<b>4338-31</b>	USP20105-P	Drum Pump - Plastic	<b>41.26</b>
<b>4338-32</b>	USP20106-S	Drum Pump - Stainless Steel	<b>191.60</b>

### No-Rinse Sanitizing Multi-Surface Wipes Softpack (Sani-Professional)

Help stop "Listeria monocytogenes" with a 60-second Sanitizing solution. Sani Professional® No-Rinse Sanitizing Wipes are pre-moistened, ready-to-use wipes saturated with 380 ppm quaternary ammonium chloride. This product is EPA-registered, Food Code Compliant and effectively removes 99,999% of the most common foodborne pathogens within 60 seconds. It is used to sanitize hard, nonporous food contact surfaces and non-food contact surfaces without requiring a rinse. The product is disposable, which helps reduce the risk of cross-contamination.



- Improved wipe material that's now better at picking up food debris
- Faster drying formula
- Red color-coded packaging to ensure proper use
- For sanitizing hard, non-porous food contact surfaces
- EPA registered and U.S. Food Code compliant
- Available in 72 count softpack, 9" x 8" wipe size

Item No.	Mfr Item No.	Qty	Qty Break	Your Cost
4337-34	M30472	pack/72	1-11	83.31
			Multi of 12	72.93
4337-38	P015500	Wall Mount Bracket	Each	15.23

### 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	Your Cost
4337-39	Extra heavy duty wipes in dispensing canister	90 wipes/can 6 canister/case	108.39
4337-41	Standard wipes in dispensing canister	160 wipes/can 6 canister/case	108.39
4337-32	Lockable wall bracket for canister		22.88

### Wall-Mounted Sanitizer Stations (Best Sanitizers)

Item No.	Mfr Item No.	Description	Your Cost
4337-80	USP10255	SS Bracket for Wipe Canister	123.08
4337-81	USP10256	SS Bracket for Wipe Canister and Quart Bottle	133.90
4337-82	USP10257	SS Bracket for Wipe Canister, Quart Bottle, and Liter Bottle	201.95

### No-Rinse Sanitizing Multi-Surface Wipes (Sani Professional)

Easy and convenient with no mixing, measuring, or rinsing - No-Rinse Sanitizing Multi-Surface Wipes provides the best method to prevent foodborne illness.

- Effectively sanitizes hard, non-porous food contact and food preparation surfaces.
- New formula is 2X as potent
- Controls cross contamination
- Just wipe and let dry. Drying time is 50% faster
- Consistently deliver an average of 380 ppm of quat sanitizing solution... wipe after wipe!
- Now effective against LISTERIA (the first wipe of its kind)
- Kills Staphylococcus aureus, E. coli and Shigella boydii in 60 seconds
- FDA Food Code Compliant
- USEPA registered and approved
- Eliminate airborne food contamination hazards associated with sprays
- Convenient where water use is limited
- 95 Count, 7.75" x 9" wipe size
- 175 Count, 7.75" x 5" wipe size



Item No.	Mfr Item No.	Description	Qty	Qty Break	Your Cost
4337-33	P56784	Wipes	95 per canister	1-5 multi. of 6	63.61 55.70
4337-40	P010801	3-in-1 Sani-Bracket®	each		34.55
4337-36	P66784	Probe size wipes	175 per canister	1-5 6+	76.35 61.10

### Alcohol, Iso-Propyl, 70% (2-Propanol)

70% solution (v/v). Widely used for effective disinfecting. ACS Grade.

Item No.	Qty	Qty Break	Your Cost
4113-20	4 liter	1-3	87.54
ACS Grade		4+	73.89
4113-25	20 liter		214.97
4113-26	55 gallon		836.00



### 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	Qty Break	Your Cost
4113-73	22 / 660	1-3 Multiples of 4	6.86 6.24
4113-76	32 / 960	1-11 Multiples of 12	6.24 5.89



## 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.

Item No.	Description	Qty Break	Your Cost
4336-82	SmartStep Sanitizing Unit	1-4	<b>2,357.24</b>
		5+	<b>2,209.98</b>
4336-83	SmartStep Sanitizing Unit with Handle	1-4	<b>3,516.98</b>
		5+	<b>3,297.26</b>
4336-84	SmartStep Sanitizing Unit with Boot Scrubber and Handle	1	<b>4,886.54</b>
		2+	<b>4,581.24</b>
4336-85	SmartStep Boot Scrubber with Handle	1-4	<b>2,430.44</b>
		5+	<b>2,278.60</b>

## HACCP SmartStep2™ Dual Footwear Sanitizing Unit (Best Sanitizers)

### Reduce Cross-Contamination from Footwear.

The new HACCP SmartStep2™ Dual Footwear Sanitizing Unit is a foot-operated system that requires no electricity, and uses compressed air to deliver an atomized spray of Alpet® D2 Surface Sanitizer and Alpet® D2 Quat-Free Surface Sanitizer to the bottom of footwear soles. Each application provides ample coverage to footwear soles, yet uses only 0.4 ounces of chemical (0.2 oz per boot) which minimizes chemical waste and improves moisture control.



Collection basin is easily accessed for cleaning.

- Compact footprint (27 in. L x 33 in. W x 44 in. H)
- Sturdy stainless steel construction with high quality components throughout
- Uses compressed air and requires no electricity
- Made in the USA
- Dual footwear, walk-through design provides greater throughput
- Eight atomizing spray nozzles (four per boot) provide ample coverage to footwear soles
- Unit will not activate until both feet are in place

Item No.	Description	Qty Break	Your Cost
4336-86	SmartStep2 Dual Footwear Sanitizing Unit	1-4	<b>5,994.25</b>
		5+	<b>5,848.48</b>



## 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	<b>59.83</b>
4330-22	24" X 32" X 7/8"	chlorine resistant rubber	<b>132.89</b>
4330-25	7" X 10"	fiberglass sign, "Notice: Use Footbath to Ensure Product Safety"	<b>34.29</b>
4330-38	32" X 39" X 2"	chlorine resistant rubber	<b>236.33</b>
4330-40	32" X 39" X 2 1/2"	standard rubber; 5.5 gal capacity	<b>160.02</b>

## QAC - Quaternary Ammonia Compound

Preferred solution for sanitizing.

Item No.	Qty	Your Cost
4330-50	gallon	<b>47.27</b>

## Best Refillable Wiping System (Best Sanitizers)

Use with any of Best Sanitizers' surface cleaning and sanitizing products in bulk

Best Sanitizers' refillable wiping system comes with a reusable canister and 6 rolls of wipes to a case. Wipes come in a 160 count canister.

When the canister goes empty, just reorder the 6-pack of refill rolls and reuse the durable canister to save money and reduce waste. The wipes in each canister come dry. Add 1.25 quarts of either Alpet D2, Alpet D2 Quat-Free, Alpet E3 Plus or the product of your choice to the wipes to create the wiping system of your choosing.

- Dry wipes in a 160 count canister
- Fill with the product of your choice
- Reusable canister w/ spring-loaded lid to prevent drying
- Best suited for food processing, food service, grocery, and industrial hygiene



Item No.	Description	Qty	Your Cost
4337-90	Best Refillable Wiping System	case/6	<b>89.92</b>
4337-91	Wiping System Refill	case/6	<b>57.02</b>

## Alpet® D2 Quat-Free Surface Sanitizer and Cleaner (Best Sanitizers)

New Alpet® D2 Quat-Free Surface Sanitizer is a ready-to-use, no-rinse, fast acting, food contact and non-food contact surface cleaner and sanitizer. It is highly evaporative and ideal for water sensitive equipment and dry environments. It leaves no unsightly residue, and is an effective sanitizer for those processors who can't use quat.

- Clean, Sanitize and Disinfect food contact and non-food contact surfaces with one product
- Ready-to-Use, no-rinse required
- 62.5% Ethanol formula
- Highly Evaporative and ideal for low moisture environments and water sensitive equipment
- Kills 99.999% of 8 tested pathogens in 60 seconds on food contact surfaces, including rubber gloves
- 10 Second Kill on non-food contact surfaces, including rubber footwear
- 5 Minutes to Disinfect non-food contact surfaces
- NSF listed D2 classification
- EPA registered
- Kosher, Pareve and Halal certified



## Alpet® Quat Sanitizer (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.	Description	Qty Break	Your Cost
4337-60	SS10032	Quart Bottles with spray trigger included. Case of 12		135.68
4337-55	SS10031	5 gallon pail w/spigot	1-2 3+	165.95 147.09
4337-57	SS10031-BSS	5 gallon pail for use with SmartStep & Defender	1-2 3+	181.52 160.88
4337-50	SS10030	50 gallon drum (bulk or refill)	1 2+	1,061.66 941.02

Item No.	Mfr. Item No.	Description	Your Cost
4337-20	SS10020	50 gallon drum	681.32
4337-21	SS10019	5 gal Pail w/spigot	87.82
4337-22	SS10018	4x 1 gal	81.60

## 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.	Description	Qty Break	Your Cost
4337-05	SS10001	50 gal. drum	1 2+	829.34 749.46
4337-10	SS10002	5 gal. tote with spigot	1-2 3+	139.55 122.58
4337-09	SS10002-BSS	5 gal. pail with hose for use w/SmartStep	1-2 3+	149.91 131.68
4337-11	SS20001	2.5 gal. secondary empty pail for refill from bulk		167.13
4337-15	SS10003	quart complete with trigger sprayer. Case of 12		132.37
4337-17	SS10004	secondary empty quart bottle with trigger sprayer		51.55

## 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	Qty Break	Your Cost
4335-10	1 gallon	1-3	<b>72.34</b>
		Multiples of 4	<b>69.20</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>32.75</b>
4325-38 	5 liter	<b>97.47</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.**

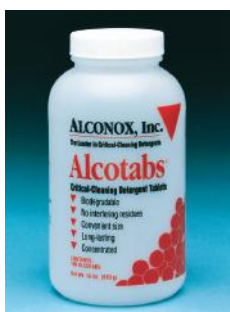
A chemical analysis for residues of MICRO-90, with a limit of detection of 10 ppm, detected **no** MICRO-90 residues. Also, X-ray activation analysis of surfaces cleaned with MICRO-90 indicate that less than one third of a monolayer of MICRO-90 is left on Pyrex® glass after 4 rinses.

**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.



### 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.	Qty Break	Your Cost
4325-28	1-5	<b>51.82</b>
	6+	<b>49.56</b>

Item No.	Qty	Your Cost
4320-15	liter	<b>33.52</b>
4320-25	4 liter	<b>85.45</b>
4320-30	5 gallon	<b>362.09</b>



**SOAKING SOLUTION**

**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



**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.	Qty	Qty Break	Your Cost
4325-16	Gallon / 3.87 L	1-3	88.92
		Multiples of 4	84.36

Item No.	Your Cost
4324-15	51.26

**HAND WASHING**

**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.



**Hand-Wash Non-Phosphate Cleaner (Haemo-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.	Qty	Your Cost
4325-70	5 liter	84.75

Item No.	Mfr Item No.	Qty	Qty Break	Your Cost
4320-44	026-058	5 lb.	1-5	36.10
			Multiples of 6	31.28

**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).



**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.



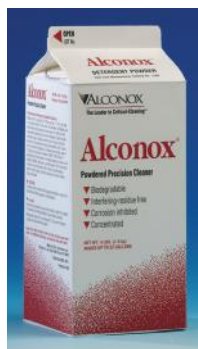
Item No.	Qty	Qty Break	Your Cost	Qty Break	Your Cost
4325-40	quart	1-11	39.92	Multiples of 12	38.44
4325-50	gallon	1-3	95.44	Multiples of 4	90.39

Item No.	Qty	Qty Break	Your Cost
4325-80	4 lb.	1-8	70.40
		multiples of 9	67.56
4325-82	25 lb.	1-2	259.65
		3+	246.19

**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	Qty Break	Your Cost	Qty Break	Your Cost
4325-10	4 lb.	1-8	69.57	multi. of 9	66.78
4325-20	25 lb.	1	277.43	2+	263.20

## DISHWASHER

### Dishwasher Non-Sudsing Detergent (Haemo-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.	Qty Break	Your Cost
4320-38	1-5	43.61
	Multiples of 6	37.77

### Dri-Contrad® Dishwasher Powder Detergent (Decon)

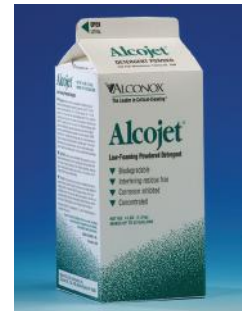
Highly effective. Non-foaming formulation for automatic labware washing machines. Offers total clean-up of proteins and most stubborn contaminants both organic and inorganic. Rapidly soluble: will not cake in the dispenser, nor leave "gritty" deposits on cleaned surfaces. Totally rinseable and chlorinated to minimize biohazard. Non-corrosive. Highly concentrated.



Item No.	Qty	Your Cost
4325-30	2 kg	38.76
4325-34	5 kg	83.76

### 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	Qty Break	Your Cost
4325-24	4 lb.	1-8	61.59
		multiples of 9	59.03
4325-26	25 lb.	1-2	203.67
		3+	196.07

## DISINFECTANT

### RNase AWAY Surface Decontaminant (Thermo Scientific)

Eliminates RNase and DNA from laboratory surfaces. Ideal for decontaminating apparatus, bench-tops, glassware, and plasticware, and reduces dependency on carcinogenic DEPC treatments and saves time needed to bake glassware. Key Features Use on pipettes, gel boxes, or RNA or DNA prep areas Leaves no residue to interfere with gel polymerization or staining Chemically stable and nonabrasive Contains no strong acids.



Item No.	Size	Unit of Measure	Your Cost
MBP7000	8.5oz / 250mL Bottle	Case of 12	863.29

### DNA AWAY Surface Decontaminant (Thermo Scientific)

Allows the easy removal of DNA and DNase contamination from laboratory workspaces, instruments, pipettes, glassware, plasticware, and surfaces that cannot be autoclaved. This solution does not include strong acids or abrasives and will not damage plastic surfaces. Solution does not leave a residue when used as directed. Use before performing PCR or working with DNA for a DNA-free work area.



Item No.	Size	Unit of Measure	Your Cost
MBP7010	8.5oz / 250mL Bottle	Case of 12	690.06



### DisCide Ultra Quaternary Ammonium Disinfecting Towelettes

Hospital-level, one-step, ready-to-use quaternary ammonium, intermediate high-level alcohol-based disinfectant. With this intermediate level surface disinfectant and decontaminant cleaner, you can accelerate the way you disinfect clinical settings. In just 60 seconds, DisCide Ultra is effective against TB, viruses (HBV, HCV, RSV, HIV-1), bacteria (MRSA, VRE, E. coli), and fungi (C. albicans).

Listed with the United States Food and Drug Administration and registered with the Environmental Protection Agency (EPA), DisCide Ultra meets disinfection requirements of the federal Occupational Safety and Health Administration's (OSHA) Bloodborne Pathogen Standard.

Item No.	Size	Unit of Measure	Your Cost
PHC10DIS	Pop-Up Canister; 10.5" x 10.5" Sheet x 60	Pack of 60 towelettes	14.78

**Activate 10:1 Institutional Bleach Dilution Systems**

**Cartridge system automatically provides 10:1 water-to-bleach solution**

A convenient solution for labs or other facilities that continuously need to disinfect surfaces. The system provides 5.25% household bleach in conformance with Center for Disease Control guidelines. One cartridge comes pre-filled with concentrated bleach formula; other cartridge is filled with tap water. Bleach is automatically diluted to a 10:1 water-to-bleach solution as it's sprayed so the solution is always fresh and effective.

Special lemon-scented bleach formula cleans, spreads, and adheres to surfaces better than ordinary bleach. Bleach cartridges are easy to install and come in refill packs for convenience.

Bleach starter kit **TAK77062** includes: six 11-oz. bleach cartridges, two sprayer heads and two 11-oz. water bottles.

Sprayer pack **TAK77006** includes six sprayer heads and six 11-oz. water bottles.

Bleach refill pack **TAK77012** includes 12 bleach cartridges.



Item No.	Description	Unit of Measure	Your Cost
<b>TAK77062</b>	10:1 Bleach Starter Kit	Each	<b>159.21</b>
<b>TAK77006</b>	Sprayer Pack (includes 6 sprayer heads & 6 empty bottles for water)	Pack of 6	<b>353.14</b>
<b>TAK77012</b>	Accessory: Bleach Refills; 12 Cartridges per Pack	Pack of 12	<b>90.65</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 wipers remove soils & liquids from face & hands

Item No.	Sheet size	Sheets per box	Qty	Your Cost
<b>4337-03</b>	11" X 10"	120	case/10 boxes	<b>102.60</b>



**Kimwipes® (Kimberly Clark)**

Lint-free laboratory tissues in dispenser box.

Item No.	Sheet size	Sheets per box	Qty	Qty Break	Your Cost
<b>3066-05</b>	4 1/2" X 8 1/2"	280	case/60	1-2	<b>322.87</b>
			boxes	3+	<b>276.76</b>
<b>3066-15</b>	15" X 17"	140	case/15	1-2	<b>205.39</b>
			boxes	3+	<b>178.00</b>

Additional size and ply options available at [weberscientific.com](http://weberscientific.com)



**Alcohol Wipes (Covidien)**

2 ply 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
<b>4350-20</b>	Case/4000	1	<b>80.25</b>
		2+	<b>53.50</b>

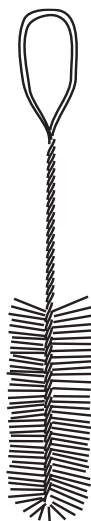
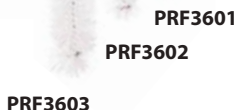
**Kimwipes® Holder (Heathrow Scientific)**

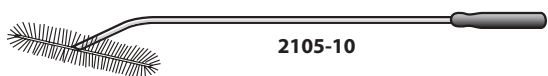
Small or large clear acrylic holders. Either can be mounted on a bench or wall. The small version attaches with double back tape and the larger version with screws. The mounting materials are included.



Item No.	Size	Your Cost
<b>3066-30</b>	small	<b>17.55</b>
<b>3066-31</b>	large	<b>33.47</b>




**2102-20**
**PRF3600**

**2105-36**

**PRF3601**
**PRF3602**
**PRF3603**

**PRF3617**
**PRF3616**

**2105-10**

**2102-06**

**2102-12**

**2102-15**

## Stainless-Steel Micro Tube Brush

Tapered designed for cleaning small diameter tubes such as microtubes.

Item No.	Bristle Dia.	Bristle L	Length	Unit of Measure	Your Cost
<b>PRF3600</b>	1/4" to 1/2"	3"	7"	Each	<b>5.72</b>

## Test Tube Brush, Adjustable

Stiff-bristle brush cleverly adjusts to fit most size tubes.

Item No.	Bristles	Length	Qty Break	Your Cost
<b>2102-20</b>	Adjustable to fit most test tubes	8 1/2"	1-11	<b>5.67</b>
			12+	<b>4.50</b>

## Test Tube Brushes

High-quality polyester fibers

Item No.	Bristle Dia.	Bristle L	Length	Unit of Measure	Your Cost
<b>PRF3601</b>	1/2"	3"	8"	Each	<b>4.66</b>
<b>PRF3602</b>	3/4"	3 1/2"	9"	Each	<b>6.27</b>
<b>PRF3603</b>	1 3/8"	4"	11 1/2"	Each	<b>4.79</b>

## Cylinder Brushes

Made of black bristles for extended durability. Heavy gauge galvanized wire handle.

Item No.	Bristle Dia.	Bristle L	Length	Qty Break	Your Cost	Qty Break	Your Cost
<b>2105-30</b>	2"	5"	13"	1-11	<b>11.68</b>	12+	<b>10.93</b>
<b>2105-33</b>	2"	5"	15"	1-11	<b>9.03</b>	12+	<b>8.47</b>
<b>2105-36</b>	2 3/8"	6"	20"	1-11	<b>13.45</b>	12+	<b>12.62</b>

## Stainless-Steel Radial Tip Cylinder Brushes

White polyester twisted in stainless-steel wire for efficient cleaning of bottles, cylinders, jars, and large test tubes. The dense radial tip cleans the bottoms effectively while protecting glassware.

Item No.	Bristle Dia.	Bristle L	Length	Bristle Color	Your Cost
<b>PRF3616</b>	2"	5"	11"	White	<b>8.96</b>
<b>PRF3617</b>	2"	5"	13"	White	<b>9.00</b>
<b>PRF3618</b>	2 3/8"	6"	20"	White	<b>17.75</b>

## 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.

Item No.	Bristle Dia.	Bristle L	Length	Your Cost
<b>2105-10</b>	1 1/2"	4"	16"	<b>11.10</b>

## Stainless-Steel Hygienic Flask Brushes

Angled handle to fit easily into flask or bottle necks, bending to allow brush to fit the container's shape. Sized to fit into standard laboratory flask bottles. Manufactured with stainless-steel wire and white polyester fiber. FDA and USDA approved materials

Item No.	Bristle Dia.	Bristle L	Length	Flask Size	Your Cost
<b>PRF3651</b>	1 3/8"	3 1/2"	12"	250mL	<b>10.20</b>
<b>PRF3652</b>	1 1/2"	4"	14"	500mL	<b>12.18</b>
<b>PRF3653</b>	1 3/4"	5"	17"	1000mL	<b>11.11</b>

## Foam Laboratory Brushes (BrushTech)

Special formula foam does not absorb water and will not become soggy or limp. Will not scratch, chip, break or mar your labware. They are claimed to last 10 times longer than traditional brushes.

Item No.	Length	Description	Qty Break	Your Cost
<b>2102-06</b>	16"	bendable brush for flasks and small cylinders	1-11	<b>7.73</b>
			12+	<b>6.23</b>
<b>2102-12</b>	10"	short handle brush for beakers	1-11	<b>7.26</b>
			12+	<b>5.90</b>
<b>2102-15</b>	19"	long handle brush for large cylinders	1-11	<b>8.22</b>
			12+	<b>6.58</b>



## Versi-Dry Lab Soakers (Thermo Scientific)

*Useful as a tray, drawer or shelf liner*

Highly absorbent pads contain thousands of Thirsty Cells® that quickly absorb spills. Versi-Dry is available in standard and super absorbencies. Standard absorbs 750 mL of liquid per square meter and Super Versi-Dry absorbs 1,050 mL of liquid per square meter. Use it as a tray, drawer, or shelf liner or to wipe up spills. Cushioned surface minimizes breakage of glass labware when dropped or tipped over

Super Versi-Dry has a durable cloth-like top layer that won't fall apart even when wet. It is strong enough to be used as a floor soaker.

All Versi-Dry products have a polyethylene backing which is waterproof and resistant to chemicals. Backing grips the bench top surface for a flat, non-slip work area.

Item No.	Absorbency	Size	Packaging	Unit of Measure	Your Cost
<b>NAL74018</b>	Super	18" x 20"	Pre-cut Mats	Pack of 50	<b>277.20</b>
<b>NAL62080</b>	Standard	18" x 20"	Pre-cut Mats	Case of 350	<b>214.42</b>
<b>NAL62050</b>	Standard	20" x 300'	Roll in Dispenser	Case of 1	<b>186.48</b>

## 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.	Size	Unit of Measure	Your Cost
<b>4334-70</b>	20" x 50'	1 Roll	<b>87.06</b>

## Workstation Lab Mat (Heathrow Scientific)

Each mat is reversible, with one side being a combination gridded and smooth surface and the other a smooth surface only; they are also available in 2 colors. The gridded surface is ideal for tube staging, preventing movement of small objects and securing items such as reservoirs, pipette tip boxes, assay plates, etc. Its personal size is easy to transport and allows users to easily create and protect temporary work areas such as keeping benchtops clean and safe from stains, spills, and wear. The lip around the end can hold approximately 250 mL of liquid. Workstation Lab Mats are reusable which helps reduce waste making it more environmentally friendly compared to disposable mats and saves money by eliminating the need for repeated purchases.



- Anti-skid surface helps keep the mat and items in place
- Noise dampening, reducing sounds from the vibration of common benchtop equipment
- Made from durable FDA food grade silicone material that creates a stain resistant washable working surface
- Protect countertops from hot items up to 200°C (392°F)
- Mats can be rolled up for compact storage
- Small footprint, 12 x 14.9 x 0.1 in, accommodating most work spaces

Item No.	Mat Color	Your Cost
<b>HEA120747</b>	Blue	<b>40.16</b>
<b>HEA120748</b>	Purple	<b>40.16</b>

## Silicone Lab Mat (Heathrow Scientific)

*Metal insert keeps stir bars from wandering!*

Helps keep benchtops clean and safe from stains, spills and wear. Save money by eliminating the need for repeated



purchases of disposable paper mats. The mat is cleaned using any standard disinfectant by simply wiping it, or putting it in a dishwasher. A designated area with an internal metal insert keeps stir bars from wandering around the working surface. A lip design around the outer edge of the mat helps contain spillage that may occur when in use keeping benchtops safe and clean. Made from FDA food grade silicone.

- Protect countertops from hot items up to 200°C (392°F)
- General chemical resistance from moderate oxidizing chemicals, concentrated sodium hydroxide (NOT RESISTANT to many solvents, oils, concentrated acids and dilute sodium hydroxide)
- Mat can be rolled up for compact storage
- Autoclavable at 121° for 15 minutes
- Washable with standard disinfectants in sinks or dishwashers
- Dimensions: 35 cm x 60 cm (14 in x 23.5 in), 2 mm thick

Item No.	Mat Color	Your Cost
<b>1118674</b>	Side One: solid blue, Side Two: solid white	<b>48.89</b>
<b>4334-80</b>	Side One: solid yellow, Side Two: blue design on grey	<b>48.25</b>
<b>4334-85</b>	Side One: solid purple, Side Two: grey design on purple	<b>48.25</b>



### 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	Graduations	Qty Break	Your Cost
<b>3028-09</b> (NSF)	-40° to +160°F	2°F		<b>9.39</b>
<b>3028-10</b> (NSF)	+25° to +125° F	2°F		<b>8.94</b>
<b>3028-13</b>	+25° to +125° F	1°F		<b>5.63</b>
<b>3028-17</b> (NSF)	0° to +220° F	2°F	1-24 25+	<b>9.89</b> <b>8.25</b>
<b>VEE81550</b>	50 to 550°F	5°F		<b>6.01</b>
<b>VEE81110</b>	-10° to +110°C	1°C		<b>6.01</b>
<b>VEE81070</b>	-40° to +70°C	1°C		<b>6.01</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	Graduations	Qty Break	Your Cost
<b>3028-19</b>	25 to 125°F	1°	1-24 25+	<b>17.58</b> <b>14.05</b>
<b>3028-20</b>	-40 to 160°F	2°	1-24 25+	<b>17.67</b> <b>14.12</b>
<b>3028-21</b>	0 to 220°F	2°	1-24 25+	<b>17.58</b> <b>14.05</b>
<b>3028-22</b>	-10 to 110°C	2°	1-24 25+	<b>17.58</b> <b>14.05</b>

### Clean Lab Wipes

Premoistened with a blend of pure, reagent-grade 70% isopropyl alcohol and 30% reagent-grade deionized water. Ideal for cleaning Strong, nonwoven cloth is soft and lint-free – will not scratch surfaces. Ideal for cleaning temperature probes.

Item No.	Wipe Size	Qty	Your Cost
<b>CTL2065</b>	6" x 7.5"	100 / canister	<b>21.86</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	Graduations	Qty Break	Your Cost
<b>3028-11</b>	-10 to 110°C	2°	1-24 25+	<b>14.54</b> <b>11.24</b>
<b>3030-40</b>	0 to 120°F	2°	1-24 25+	<b>14.48</b> <b>11.18</b>
<b>3030-46</b>	25 to 125°F	1°	1-24 25+	<b>14.48</b> <b>11.18</b>
<b>3030-49</b>	0 to 220°F	2°	1-24 25+	<b>14.48</b> <b>11.18</b>



*up to 48"  
long*

### Super Long Stem Dial Thermometer

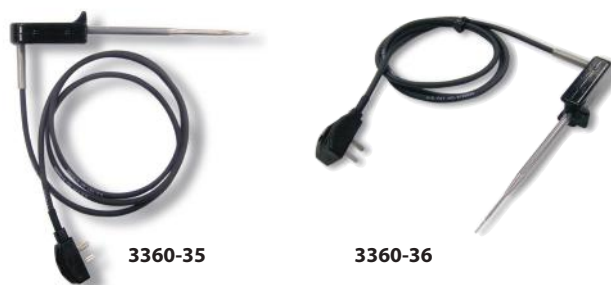
3" dial. 2°F subdivisions. Accuracy is ± one subdivision.

Item No.	Range	Stem Length inches/mm	Your Cost
<b>3030-20</b>	-40 to 160°F	12"/305mm	<b>32.21</b>
<b>3030-22</b>	0 to 200°F	36"/914mm	<b>118.61</b>
<b>3030-24</b>	0 to 200°F	48"/1220mm	<b>156.02</b>

**ACCESSORIES:**


Specialty Dial Thermometers see page 188.





## 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	Qty Break	Your Cost
3360-25	35132	AquaTuff 351	DuraNeedle	1-2	<b>298.97</b>
		Wrap & Stow		3+	<b>278.35</b>
3360-27	35140	AquaTuff 351	MicroNeedle	1-2	<b>298.97</b>
		Wrap & Stow		3+	<b>278.35</b>
3360-30	35232	AquaTuff 352	DuraNeedle	1-2	<b>354.30</b>
		Wrap & Stow		3+	<b>329.87</b>

### 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	Qty Break	Your Cost
3360-35	55032	AquaTuff DuraNeedle	1-2	<b>114.41</b>
			3+	<b>106.78</b>
3360-36	55040	AquaTuff MicroNeedle	1-2	<b>114.41</b>
			3+	<b>106.78</b>



## 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:

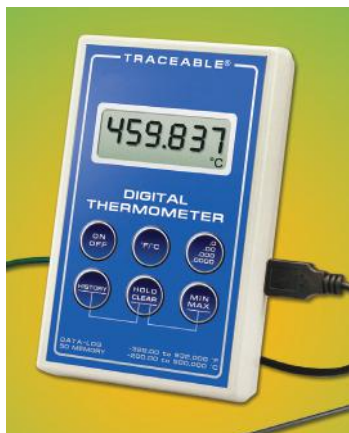
Accuracy	$\pm 0.5^\circ\text{F}$ ( $\pm 0.3^\circ\text{C}$ ) over entire measurement range at ambient temperatures between $68$ to $86^\circ\text{F}$ ( $20$ to $30^\circ\text{C}$ )
Temperature	$-100$ to $999^\circ\text{F}$ ( $-73$ to $537^\circ\text{C}$ )
Certifications	CE Marking, NSF
Warranty	Five years; one year for probe
Battery	2 AAA batteries

Item No.	Mfr. Item No.	Thermometer Description	Probe Description	Qty Break	Your Cost
3360-40	35100-K	AquaTuff 351	N/A	1-2	<b>248.87</b>
				3+	<b>231.70</b>
3360-42	35200-K	AquaTuff 352	N/A	1-2	<b>302.84</b>
				3+	<b>281.95</b>



## Traceable® Platinum Ultra-Accurate Digital Thermometer (Traceable)

*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	Your Cost
3517-66	6412	With s.s. handle probe	610.73
3517-68	6422	Replacement s.s. handle probe	410.03
3517-69	6423	Replacement bullet probe	338.57

## PRECISION Pt100 Digital Thermometer (Thermco)

The ACCD370P Single Probe Precision RTD Digital Thermometers can be used as a Laboratory Temperature Standard, for the verification and calibration of liquid-in-glass, digital and dial bi-metal thermometer; as well as laboratory instruments such as freezers, refrigerators, incubators, ovens, etc. The PRECISION - Pt100's are traceable to NIST Standards and is furnished with a certificate proving traceability. The ACCD370P is loaded with the features requested by most laboratories.



Inputs	Pt100, 4-wire
Measuring range	-100°C to +300°C (-148~572°F)
Accuracy	±0.4°C (system accuracy)
Resolution	0.1°C 0.1°F
Connectors	DIN 45326 8-pole
Working temperature	0°C to +50°C
Display	2-Line LCD
Housing	Plastic (ABS)
Dimensions (LxWxH)	150 x 66 x 31 mm
Weight	350 g
Power supply	3 x 1.5 Volt AAA
Batterie life	apprx. 100 hr

Item No.	Mfr Item No.	Description	Your Cost
3530-60	ACCD370P		391.34
3530-62	ACCD370PFC	-100/300°C Digital NIST, Cert@-20,0,4,25,37,56,95,121°C	572.89

## Need help finding the right thermometer for your application?



Let us know! Weber Scientific account managers are lab experts that can help suggest the right products for your unique facility and application. We encourage you to contact us by phone or email to discuss your individual needs.

MaryBeth Karczynski  
Sales Manager  
800-328-8378  
mkarczynski@weberscientific.com

## 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.	Qty Break	Your Cost
3000-70	1-2	137.72
	3+	128.55

## Folding Thermometer (Comark P19W)

The Comark P19W folding thermometer is a waterproof digital thermometer designed for quick food temperature checks in busy kitchens. The thermometer is compact enough for your pocket and features an integrated hang hole and magnetic back for convenient storage options. Ideal for a wide variety of food temperature checks with a temperature measurement range of -58°F to 572°F (-50°C to 300°C).



### Key Features

- 4.5" Stainless Steel Folding Probe
- Three Buttons: HOLD, °C/°F, CAL
- 90 second auto-off feature.
- Resolution: 0.1 °C/°F.
- Temperature Accuracy: ±0.9°F (±0.5°C) in range between 14 to 212°F (-10 to 100°C).
- Battery: 1 x AAA 1.5V included.
- 180° auto-rotating display.

Item No.	Your Cost
3370-21	94.56

## Antimicrobial Waterproof Type K Thermocouple Food Thermometer (Comark C48) With BioCote® based antimicrobial agent molded right into the case!

The Comark C48 Type K Thermometer is designed for HACCP programs in foodservice and food processing. The IP65 rated thermometer is waterproof and dust-proof and is accurate to 1°F. The C48 accepts a large variety of probes for probing hot and cold foods, testing grill surfaces and checking air temperatures in coolers or ovens.

The high and low alarm function will alert you to temperatures measured outside of pre-programmed parameters.

The C48 thermometer has a data hold button that freezes the current reading on the screen - useful when the temperature has to be recorded.

A new feature is the maximum/minimum function. By pressing the max/min button it is possible to recall the maximum and minimum temperatures recorded.

Comark's C48 thermometer has a handy countdown timer that is activated from the set-up menu, the instrument will beep for 30 seconds at the end of the countdown period.

Comark uses BioCote®, the only antimicrobial solution to be awarded HACCP International Certification, to provide an important extra level of surface protection against cross-contamination.



Measurement Range	-328°F to +2502°F / -200°C to +1372°C
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	One year

Item No.	Qty Break	Your Cost
3370-30	1-2	205.15
	3+	175.42

## 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 available separately.** One year warranty.



Range:	-40° to 1000°F switchable to -40° to 500°C
Accuracy:	±2°F, ±1°C

Item No.	Qty Break	Your Cost
3370-10	1-2	186.29
	3+	159.29





## 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.	Qty Break	Your Cost
<b>3370-75</b>	TTM41	1-4	<b>70.45</b>
		5+	<b>61.64</b>

## 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.	Qty Break	Your Cost
<b>3516-71</b>	ACCD0553DIG	1	<b>50.86</b>
		2+	<b>44.49</b>



## 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.	Qty Break	Your Cost
<b>3370-76</b>	DTT361-01	1-2	<b>47.00</b>
		3+	<b>40.28</b>



## 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) which- ever 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.	Qty Break	Your Cost
<b>3572-20</b>	1-2	<b>112.33</b>
	3+	<b>106.14</b>
<b>3572-22</b> With NIST traceable certificate of accuracy	1	<b>221.03</b>
	2+	<b>193.39</b>

## Weber Scientific 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
<b>3520-65</b>	PMO Thermometer, C°	6 / 152	<b>1,151.66</b>
<b>3520-65F</b>	PMO Thermometer, F°	6 / 152	<b>1,395.91</b>
<b>3520-67</b>	PMO Thermometer, C°	12 / 305	<b>1,467.56</b>
<b>3520-67F</b>	PMO Thermometer, F°	12 / 305	<b>1,350.42</b>
<b>3520-77</b>	6" Replacement Probe*	6 / 152	<b>325.60</b>
<b>3520-79</b>	12" Replacement Probe*	12 / 305	<b>343.69</b>
<b>3520-85</b>	Power supply		<b>50.34</b>
<b>3520-88</b>	Water resistant protective cover		<b>79.04</b>
<b>3520-90</b>	Protective hard plastic case with foam inserts for thermometer and probe		<b>139.74</b>
<b>3520-92</b>	Service Kit includes Windows Software, USB Cable & Adaptor, 9V battery, battery charger, AC adaptor, protective case (only available to Regulatory end-users)		<b>537.43</b>

\* 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



3540-39

	3540-29 Cooler - Freezer	3540-39 Indoor/Outdoor
Temp. Range	-10 to 80° F	-40 to 120° F, -40 to 50° C
Humidity Range	0 to 100%	0 to 100%
Danger Zone	41 to 80° F	

Item No.	Mfr. Item No.	Description	Qty Break	Your Cost
3540-29	10-212-159-8	Cooler - Freezer	1-2	<b>52.33</b>
			3+	<b>49.07</b>
3540-39	10-212-150-8	Indoor-Outdoor	1-2	<b>49.10</b>
			3+	<b>46.03</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>27.07</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



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	Qty Break	Your Cost
3028-56	Milk Tanker Thermometer	1	<b>288.94</b>
		2+	<b>256.82</b>
3518-10	Dairy Production Thermometer	1	<b>267.90</b>
		2+	<b>238.13</b>
3518-00	Beer Production Thermometer	1	<b>265.16</b>
		2+	<b>235.68</b>
3028-58	Milk Tanker Thermometer, Certified	1	<b>377.01</b>
		2+	<b>335.10</b>
3518-12	Dairy Production Thermometer, Certified	1	<b>382.58</b>
3518-01	Beer Production Thermometer, Certified	1	<b>340.07</b>
		2+	<b>213.12</b>

### ACCESSORIES:



Long Stem Dial Thermometers see page 182.



## Traceable® Extra-Extra Long-Probe Waterproof Thermometer (Traceable)

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.	Your Cost
3517-70	6406	225.75

## 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.

**HARD TO FIND ITEM!**



Item No.	Your Cost
3029-90	301.42

## Mini TempTest® Infrared Thermometer (Digi-Sense)

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.

Includes traceable certificate.



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.	Qty Break	Your Cost
3571-60	1-9	64.14
	10+	58.13

## Traceable® Mini-Infrared Thermometer with Pocket Clip (Traceable)

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.	Your Cost
3571-55	4480	66.20


**3572-30**

## 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°F and 150°F
- NIST traceable factory calibration
- Selectable between F° and C°
- Auto power off
- Soft carrying case
- One year warranty

Infrared Range	-40° to 536°F; -40° to 280°C
Resolution	0.1° F or C
Accuracy	+/- 1° C (1.5° F) of reading from 32 to 150° F with 1/10th degree resolution Below 32° F: +/- 1° C (+/- 2° F) +/- 0.1 degree F and above 150° F: +/- 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	Qty Break	Your Cost
<b>3572-30</b>	Infrared Thermometer	1-2	<b>78.06</b>
		3+	<b>68.30</b>
<b>3572-32</b>	With NIST traceable certificate of accuracy	1	<b>172.14</b>
		2+	<b>150.61</b>


**3572-24**

**NEW!**  
**DUAL LASER**

## 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

Item No.	Description	Qty Break	Your Cost
<b>3572-24</b>	Dual laser infrared thermometer	1-2	<b>81.63</b>
		3+	<b>71.43</b>
<b>3572-25</b>	With NIST traceable certificate of accuracy	1-2	<b>196.53</b>
		3+	<b>171.96</b>


**Easy to read display**

## Infrared Thermometer for Body and Surface Temperature

Multifunctional infrared thermometer which can be used to measure the temperature of humans, surfaces, and animals. It can quickly measure the target temperature and display the accurate measurement in as little as one second.

- **Multi-Purpose:** can measure human body temperature, skin temperature, surface temperature, liquid temperature
- **Fast & Accurate:** 1 second accurate temperature measurement, measurement deviation up to +/- 0.2 °C
- **Non-contact:** 3-5cm measurement distance, without contact with human skin allowing healthier and safer measuring while preventing cross-contamination.
- **Measurement Range varies by mode:**  
Body: 32 - 42.5°C Surface: 0-100°C

Item No.	Description	Your Cost
<b>3573-10</b>	Infrared thermometer	<b>17.00</b>


**3432-20**

Find more infrared thermometers at [weberscientific.com](http://weberscientific.com)

## 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.	Qty Break	Your Cost
3000-65	50336-K	1-2	90.19
		3+	84.17



#### 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.	Qty Break	Your Cost
3029-53	50335-K	1-2	78.74
		3+	73.49



### 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.	Qty Break	Your Cost
3000-76	31901-K	1-2	55.63
		3+	51.90

### Small Needle Immersion Probes

Small diameter probes are ideal for small prod-  
ucts 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 sec-  
onds in liquids.

Item No.	Mfr. Item No.	Qty Break	Your Cost
3000-82	50209-K	1-2	106.12
		3+	99.04



#### Micro Needle - Chisel Tip (also known as the McDonald's® probe)

Fast response for hamburgers or small products.  
Maximum temperature (tip) 500°F. Small diam-  
eter probe with a shaft length of 3.75"/95mm.  
Response time is 1 second in liquids.

Item No.	Mfr. Item No.	Qty Break	Your Cost
3029-52	50207-K	1-2	64.37
		3+	60.09



#### 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.	Qty Break	Your Cost
3029-54	50101-K	1-2	214.77
		3+	200.47

### 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 tempera-  
ture (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.	Qty Break	Your Cost
3000-55	39138-K	1-2	38.96
		3+	36.36



#### 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.	Qty Break	Your Cost
3029-57	50701-K	1-2	221.21
		3+	206.45



#### 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.	Qty Break	Your Cost
3000-60	50405-K	1-2	69.79
		3+	65.15



**These recorders couldn't be easier to operate, and are an affordable way to ensure safe temperatures in transit.**

### 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	Qty Break	Your Cost
3510-39	10 day	each	1-39	<b>20.32</b>
			multiples of 40	<b>13.55</b>
			multiples of 80	<b>12.22</b>
3510-46	40 day	each	1-39	<b>20.32</b>
			multiples of 40	<b>13.55</b>
			multiples of 80	<b>12.22</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	Qty Break	Your Cost
3510-05	5 day	1-19	<b>17.23</b>
		multiples of 20	<b>11.48</b>
3510-10	10 day	1-19	<b>17.23</b>
		multiples of 20	<b>11.48</b>
3510-20	20 day		<b>17.48</b>
3510-21	30 day	1-19	<b>17.23</b>
		multiples of 20	<b>11.48</b>
3510-22	60 day	1-19	<b>17.23</b>
		multiples of 20	<b>11.48</b>



## FlashLink® USB PDF Reusable Data Logger with or without Probe (DeltaTRAK)



- 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 free software
- Data can be transferred to a PC and analyzed using optional DeltaTrak FlashLink® Program Manager Software available for purchase (Item# 3550-68 below).

Measurement Range	-40°F to 185°F (-40°C to 85°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	32,496 points
Data Download Time	5 seconds typical for 32,496 points
Programmable Alarm Levels	High & Low levels over entire range, displayed on LCD
Battery	Two AAA Lithium batteries
Dimensions/Body	1.575" x 3.66" x 0.94" (40mm x 93mm x 24mm)
Casing	ABS plastic
Weight	2.56 oz. (72.57 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	IP64 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 current operating system Adobe Reader
Download Requirements	Direct USB connection to PC

Item No.	Mfr Item No.	Description	Qty Break	Your Cost
3550-65	20908	Single internal sensor	1-9	63.06
			10+	56.76
3550-66	40515	Single internal sensor plus sharp external probe. With 1 meter cable	1-9	105.46
			10+	94.92
3550-68	21027	FlashLink® Program Manager Software		58.18



3360-85

Find TraceableLIVE®  
WiFi Datalogging  
Refrigerator/Freezer  
Thermometers at  
[weberscientific.com](http://weberscientific.com)

## LogTag® 8K Temperature/Humidity Data Logger

**NEW!**



Reusable. Measures and stores up to 8000 sets of high-resolution humidity and temperature readings. This data logger is equipped with a unique humidity & temperature sensor arrangement providing fast reaction time to humidity & temperature change and a real time clock which provides date/time stamps for each temperature reading. Easy to use; in-transit inspections can be recorded at the push of a button.

Item No.	Temp. Range	Accuracy	UoM	Your Cost
8071-01	-40°C to +85°C	0.1%RH & 0.1°C/°F	Each	84.47
<b>Accessory (Required)</b>				
8081-01	LogTag USB Interface Cradle		Each	62.66

## LogTag® 16K Temperature/Humidity Data Logger

**NEW!**



Reusable. Measures and stores up to 16,000 sets of high-resolution humidity and temperature readings over a measurement range of 0~100%RH and -30°C to +70°C (-22°F to +158°F). The display shows current temperature & humidity readings, alarm status, and recording status.

By pushing the "Review" button, the user can check minimum and maximum Temperature & Humidity readings for the trip, and the duration of any Temperature & Humidity recordings in the Alarm range.

Accuracy: Calibrated accuracy of ±0.3°C from +40 to -40°C, 2% RH from 20% RH to 80% RH

Item No.	Temp. Range	UoM	Your Cost
8071-02	-30°C to +70°C	Each	126.15
<b>Accessory (Required)</b>			
8081-01	LogTag USB Interface Cradle	Each	62.66

## LogTag® Single-Use USB PDF Probe-Less Temperature Data Logger

**NEW!**



Single-use. Measures and stores real time temperature readings over a measurement range of -30°C to +60°C (-22°F to +140°F). 8,000-log memory with a shelf life of up to two years before configuration (in standard hibernation mode) and a 6-month operating life.

Plugs directly into the computer USB for easy configuration by the user for a wide range of recording and alert conditions. Upon download, it automatically generates a fully detailed PDF report with the option to download the data using the freely available LogTag Analyzer software for a more detailed analysis. Data downloaded using the LogTag Xpress can be uploaded and viewed in LogTag Online without the need for creating an account.

Item No.	Temp. Range	UoM	Your Cost
8075-01	-30°C to +60°C (-22°F to +140°F)	Each	26.14


**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	1 oz (20g)	
Warranty	One year	

Item No.	Description	Your Cost
<b>3513-02</b>	Humidity and Temperature USB Datalogger	<b>153.12</b>
<b>3513-05</b>	Temperature only USB Datalogger	<b>113.50</b>



## HiTemp 135°C 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 required 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	Your Cost
<b>3512-40</b>	HiTemp 135°C Temperature Data Logger	<b>536.99</b>
<b>3512-48</b>	HiTemp 135°C Temperature Data Logger With NIST Certification	<b>657.30</b>
<b>3512-41</b>	Software & cable (required)	<b>174.43</b>
<b>3512-43</b>	Replacement battery	<b>81.91</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	Your Cost	Recording Time for Charts	°F Chart Item No. (pk/60)	Your Cost	°C Chart Item No. (pk/60)	Your Cost
3510-51	SL4350	7 day/24 hour	352.04	24 hour 7 day	3510-71 3510-72	69.06 69.06	3510-76 3510-77	69.06 70.64
3510-53	SL4350 w/N300	7 day/24 hour with 3-point NIST Traceable calibration	496.93	24 hour 7 day				

### Optional Accessories for TempTrace Recorder:

Item No.	Description	Qty	Your Cost
3510-64	Red Pens	6	77.22

## AccuTherm VFC SmartLOG 2021 Data Logger w/ Wireless Temperature Sensors

**No More Routing Wires Through Fridge or Freezer Doors, an Industry First!**

Monitors vaccines up to 30' away. Simply place the wireless temperature sensors in pharmaceutical or vaccine storage units and monitor the current temperature in real time on the SmartLOG® color display. The wireless sensors have a self-contained Glycol buffer bottle (CDC required) on top of the transmitter and are serialized and traceable to NIST from AccuTherm's own ISO17025 calibration laboratory.

Large easy-to-read color touch screen to show the current min/max temperature of up to 2 remote wireless sensors (order 2nd sensor separately, **8079-02**), their signal and battery strength, plus the ambient room temperature and humidity. Connecting the Data Logger to a WiFi networks allows users to remotely view the SmartLOG Dashboard with any web browser on a PC or smartphone that is connected to the same network. This eliminates the need for a remote cloud service and associated subscription fees.

Users can receive SMS and Email Alerts for temperature excursions, power loss, or low battery, and messages are also sent when conditions return to normal. There is also an option to send 2 daily status reports (1am or 1pm or both) via SMS and email showing current temperature, min/max temperatures and times, plus power status of each sensor and the DDL unit. The SmartLog digital data logger is a self-contained data logger that requires no PC software to generate complete PDF reports and was engineered from the ground up specifically to meet today's CDC's and VFC's requirements for monitoring critical temperature of valuable vaccines and pharmaceuticals.

Item No.	Temp. Range	Accuracy	UoM	Your Cost
8079-01	-40°C to 50°C	±0.5°C	Each	226.23
<b>Accessory</b>				
8079-02	Optional Second or Replacement Wireless Vaccine Bottle Sensor		Each	113.13



**Wireless temperature sensor with glycol buffer bottle**  
Ideal for vaccine and pharmaceutical storage

### SmartLOG Dashboard



Review your data with SmartLOG – No subscription fees!



## Traceable® Hi-Accuracy Refrigerator Thermometer (Traceable)

**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	Your Cost
3513-30	4238	1 bottle probe	137.63
3513-31	4239	2 bottle probes	146.64
3513-32	4240	2 probe sensors	118.68



3513-40



3513-45

## Traceable® Monitoring Thermometer (Traceable)

**Accuracy to ±1.8°F or ±1.0°C with alarm**

Designed for monitoring liquids, air, gas, or semisolids in water baths, refrigerators, freezers, incubators, and tanks. User may select °F or °C. Features minimum and maximum memory and alarm. Triple display simultaneously shows current, high and low temperatures. Minimum and maximum memory feature permits monitoring conditions overnight, weekends, or any time period. Unit reads ambient temperature or probe temperature. Range is from -58.0 to 158.0°F and -50.0 to 70.0°C. Resolution is to 1° and accuracy is ±1°. 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).

High and low temperature alarm may be set in 1° increments. The alarm sounds when the temperature rises above or falls below the set points. Alarm continues to sound for up to 12 hours, even if temperature returns to the setpoint range. 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. Sensor measures 3/16" wide, 7/8" long.

The monitoring thermometer includes Velcro® to attach to any surface. 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. Velcro® and magnetic strips are provided for mounting of both thermometer and bottle sensor. Supplied with an AA alkaline battery for continuous, 1-year, "always on" monitoring and a Traceable® Certificate. Case is high-impact, chemical-resistant ABS plastic. Unit measures 2 3/4 x 4 1/4 x 3/4 inches and weighs 4 ounces.

### 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:	4 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

Item No.	Mfr Item No.	Description	Your Cost
3513-40	4048	Monitoring thermometer supplied with submersible probe and 10-foot cable.	74.22
3513-45	4127	Refrigerator-Freezer thermometer supplied with probe in a sealed bottle and 10-foot cable.	84.22
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.)	96.17



## Traceable® Excursion-Trac™ Data-logging Thermometers (Traceable)

**Rolling memory structure, maintains most recent 525,600 temperature observations**

- 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
- 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	Your Cost
3513-06	6430	Excursion-Trac™ Therm, 1 bottle	216.00
3513-07	6431	Excursion-Trac™ Therm, 2 bottle	214.95
3513-08	6432	Excursion-Trac™ Therm, 1 Bullet™	144.22
3513-09	6433	Excursion-Trac™ Therm, 2 Bullet™	183.43
3513-10	6434	Excursion-Trac™ Therm, 1 bottle and 1 Bullet™	189.43
3513-11	6435	Excursion-Trac™ Therm, 1 stainless-steel	195.00
3513-12	6436	Excursion-Trac™ Therm, 2 stainless-steel	205.71

## Traceable® Jumbo Refrigerator-Freezer Thermometer (Traceable)

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	Qty Break	Your Cost
3516-36	4548	bottle probe	1-3	89.67
			4+	84.64
3516-38	4148	probe with 10' cable		85.45

## Traceable® Digital Jumbo Display Thermometer (Traceable)

**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

Multi-point calibration on an individually-numbered Traceable® Certificate which assures accuracy from our 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.

Item No.	Description	Your Cost
3513-81	Bottle probe	82.45




## 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.


<http://www.weberscientific.com>

**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.	Qty Break	Your Cost
3056-88	Incubator	Bio Glycol	20 to 50	0.5	135/5.3	1-5	<b>57.53</b>
						6+	<b>47.67</b>
3056-90	Incubator	Bio Glycol	40 to 90	0.5	138/5.4	1-5	<b>57.53</b>
						6+	<b>47.67</b>
3517-45	Room/Incubator	Bio Glycol	15 to 30	0.1	180/7		<b>44.63</b>
3517-50	Incubator	Bio Glycol	25 to 45	0.1	190/7.1	1-5	<b>93.15</b>
						6+	<b>76.85</b>
3056-91	Refrigerator	Bio Glycol	-5 to 15	0.5	125/5	1-5	<b>57.53</b>
						6+	<b>47.67</b>
3517-40	Refrigerator	Bio Glycol	-2 to 10	0.1	180/4.9	1-5	<b>93.15</b>
						6+	<b>76.85</b>
3056-94	Freezer	Bio Glycol	-30 to 0	0.5	115/4.5	1-5	<b>57.53</b>
						6+	<b>47.67</b>
3517-35	Freezer	Bio Glycol	-25 to -5	0.1	210/8.3	1-5	<b>93.83</b>
						6+	<b>77.42</b>
3056-96	Oven	Sand	24 to 130	1.0*	135/5.3	1-5	<b>57.53</b>
						6+	<b>47.67</b>
3517-55	Oven	Sand	95 to 115	0.1	200/7.9	1-5	<b>58.73</b>
						6+	<b>59.95</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.	Qty Break	Your Cost
3056-72	Incubator	Bio Glycol	20 to 50	0.5	135/5.3	1-5	<b>57.53</b>
						6+	<b>47.67</b>
3517-25	Room/Incubator	Bio Glycol	15 to 30	0.1	180/7.1	1-5	<b>92.94</b>
						6+	<b>76.66</b>
3517-30	Incubator	Bio Glycol	25 to 45	0.1	190/7.5	1-5	<b>92.94</b>
						6+	<b>76.66</b>
3056-75	Refrigerator	Bio Glycol	-5 to 15	0.5	125/4.9	1-5	<b>57.53</b>
						6+	<b>47.67</b>
3517-20	Refrigerator	Bio Glycol	-2 to 10	0.1	180/7.1	1-5	<b>92.94</b>
						6+	<b>76.66</b>
3056-78	Freezer	Bio Glycol	-30 to 0	0.5	115/4.5	1-5	<b>57.53</b>
						6+	<b>47.67</b>
3517-15	Freezer	Bio Glycol	-25 to -5	0.1	210/8.3	1-5	<b>92.94</b>
						6+	<b>76.66</b>
3517-32	Oven	Sand	50 to 115	0.5	245/9.6	1-5	<b>75.71</b>
						6+	<b>62.47</b>
3056-80	Ultra-Low	Sand	-90 to 20	1.0	145/5.7	1-5	<b>57.53</b>
						6+	<b>47.67</b>
3056-83	Oven	Sand	24 to 130	1.0	135/5.3	1-5	<b>57.53</b>
						6+	<b>47.67</b>
3056-84	Ultra-High	Sand	35 to 180	1.0	180/7.1	1-5	<b>72.25</b>
						6+	<b>59.88</b>

### IMPORTANT NOTE:

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 & CANADA.

## 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
- Complete with certificate of compliance



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	Qty Break	Your Cost
3514-01	Freezers	-20.0°C	Bio Glycol	1-3	45.63
				4+	42.58
3514-02	Refrigerators	+4.0°C	Bio Glycol	1-3	45.63
				4+	42.58
3514-03	Ambient	+22.0°C	Bio Glycol	1-3	45.63
				4+	42.58
3514-04	Incubators	+37.0°C	Bio Glycol	1-3	45.63
				4+	42.58
3514-05	Dry Blocks	+37.0°C	Mineral Oil	1-3	45.63
				4+	42.58
3514-06	Dry Blocks	+95.0°C	Mineral Oil	1-3	45.63
				4+	42.58
3514-07 Supra	Freezers	-20.0°C	Bio Glycol	1-3	56.46
				4+	52.70
3514-08 Supra	Refrigerators	+4.0°C	Bio Glycol	1-3	56.46
				4+	52.70
3514-09 Supra	Ambient	+22.0°C	Bio Glycol	1-3	56.46
				4+	52.70
3514-10 Supra	Incubators	+37.0°C	Bio Glycol	1-3	56.46
				4+	52.70
3514-11 Supra	Dry Blocks	+37.0°C	Mineral Oil	1-3	56.46
				4+	52.70
3514-12	Freezers	-20.0°C	Sand	1-3	45.63
				4+	42.58
3514-13	Refrigerators	+4.0°C	Sand	1-3	56.46
				4+	52.70
3514-14	Ambient	+22.0°C	Sand	1-3	45.63
				4+	42.58
3514-15	Incubator	+37.0°C	Sand	1-3	45.63
				4+	42.58
3514-16 Supra	Freezers	-20.0°C	Sand	1-3	56.46
				4+	52.70
3514-17 Supra	Refrigerators	+4.0°C	Sand	1-3	56.46
				4+	52.70
3514-18 Supra	Ambient	+22.0°C	Sand	1-3	56.46
				4+	52.70
3514-19 Supra	Incubators	+37.0°C	Sand	1-3	56.46
				4+	52.70



## Traceable® Digital-Bottle™ Refrigerator/Freezer Thermometer (Traceable 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.	Your Cost
3550-30	73.02

## Traceable® Refrigerator Thermometer (Traceable 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.

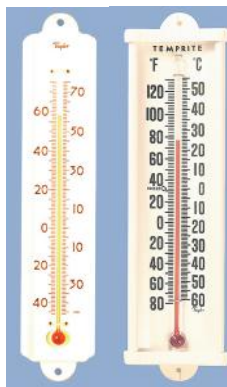
Item No.	Description	Your Cost
3513-62	Econo Thermometer, accuracy ±1°C	26.20



## 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.	Qty Break	Your Cost	Qty Break	Your Cost
3550-20	1-99	5.76	100+	3.78



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	Your Cost
3540-10	-40 to 70°F. / -40 to 20°C.	39.37
3540-20	-30 to 120°F. / -35 to 50°C	35.39

## 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.	Your Cost
3550-10	6.99

## Traceable® Digital Humidity/ Temperature Meter (Traceable 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 weekends, 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. 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.	Your Cost
3515-35	100.43

## FlashCheck® Min-Max Alarm Digital Thermometer (DeltaTRAK)

The FlashCheck® Min-Max Alarm Digital Thermometer is an economical and convenient quality assurance tool for continuous monitoring of temperature controlled environments or for spot checking specific areas. The stereo jack gold plated sensor cable ensures accurate and reliable temperature readings. The min/max memory stores the lowest and highest readings for instant recall. Alarms are alerted with an audible and/or visual alarm. It features a fast-responding stainless steel probe with a 10 foot (3 meter) durable cable that detaches from the base unit for easy installation.

**Applications:** Freezers, refrigerators, display cases, storage and packing areas, water tanks and coolers.



Measurement Range	-58°F to 158°F (-50°C to 70°C)
Operating Range	14°F to 122°F (-10°C to 50°C)
Accuracy	±1.8°F (±1.0°C)
Resolution	0.1°F (0.1°C)
Display Reading Update	17 Seconds
Battery (included)	AA Battery, user replaceable
Sensor cable	9.84ft x 0.08in Dia (3 meters x 2mm Dia)
Certification/Calibration	CE mark, NIST traceable, RoHS, WEEE

Item No.	Mfr Item No.	Your Cost
3029-88	12217	42.46



## Fahrenheit Pocket Thermometer (Taylor 9840)

Features: 4¾" 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.	Qty Break	Your Cost
3028-31	1-4	14.91
	5-19	12.91
	20+	11.65

## 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.	Qty Break	Your Cost
3028-29	1-9	17.29
	10-19	15.47
	20+	12.74

## 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.	Qty Break	Your Cost
3028-01	KM14	1-4	24.14
		5+	20.57

## Traceable® Waterproof Dual-Scale Probe Thermometer (Traceable 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	Qty Break	Your Cost
3516-50	Thermometer, accuracy ±1.5°C	1-4	36.49
		5+	34.52
3516-52	Ultra Thermometer, accuracy ±0.4°C		50.69

## Thermometer/Clock/Humidity Monitor (Traceable)

A unique unit that simultaneously displays time of day, temperature, and humidity. Clock displays AM/PM or 24-hour military time to the exact minute with 0.01% accuracy. The triple display makes noting changes easy. At the touch of a key, memory recalls highest and lowest temperature and humidity readings. Permits monitoring conditions overnight, on weekends, or any time period. Internal sensors make it ideal for use in hoods, storerooms, clean rooms, incubators, drying chambers, and environmental cabinets.

Supplied with Traceable® Certificate, 1-year battery, built-in stand, and wall mount.



Item No.	Qty	Your Cost
CTL4040	Each	69.26

## Traceable® T-Handle Digital Thermometer (Traceable)

- 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.	Qty Break	Your Cost
3516-11	1-4	23.08
	5+	20.76

## Traceable® Lollipop Shock and Waterproof Thermometer

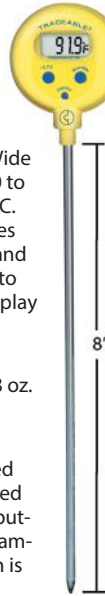
(Traceable 4371/4378)

### 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	Your Cost
3516-60	Lollipop Thermometer, accuracy ±1°C	47.80
3516-62	Ultra Lollipop Thermometer, accuracy ±0.4°C	95.45

## 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	IP65
Certification	CE Mark, NSF Certified
Warranty	One year limited

Item No.	Qty Break	Your Cost
3029-85	1-4	24.01
	5+	22.74

## 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.	Qty Break	Your Cost
3029-80	1-4	31.80
	5+	29.54

## Waterproof Digital Pocket Thermometer (Taylor 9842FDA)

- Temperature range -40°F to 450°F or -40°C and 230°C.
- 1.5mm FDA recommended probe tip diameter.
- On/Off button and auto shut off to conserve battery life.
- Thinner probe makes a smaller puncture into the food.
- Anti-microbial plastic storage case inhibits growth of bacterial odor and mold.
- 5" stainless steel stem.
- Waterproof.
- Recalibratable - complies with HACCP requirements.
- 1.5 volt battery included.
- NSF listed.



Item No.	Qty Break	Your Cost
3029-73	1-4	33.43
	5-19	28.65
	20+	25.61

## 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 pocket cover with pocket clip. Factory calibration is N.I.S.T. traceable by lot. Recalibration is possible in the battery compartment.



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.	Qty Break	Your Cost
3029-84	1-4	17.15
	5+	16.20

## 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.	Qty Break	Your Cost
3516-70	1-9	34.07
	10+	29.81



## FlashCheck® Reduced Needle Tip Probe Thermometer (DeltaTRAK 11089)

This Reduced Needle 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 ideal for measuring temperature of thin mass foods such as meat patties, chicken nuggets and fish fillets, per FDA Food Code 4-302.12(B).
- Needle tip provides extremely fast response time
- °C/°F switchable scale at the touch of a button
- Pocket clip for portability

Measurement	Range -40°F to 311°F (-40°C to 155°C)
Accuracy	±0.9°F (-40°F to +14°F); ±0.5°F (+14°F to +68°F); ±0.9°F (+69°F to +122°F); ±1.8°F (+123°F to +311°F)
Resolution	0.1°F (0.1°C)
Display Reading	Update Every 2 Seconds
Display Size	1.5in W x 0.5in H (38mm W x 12.7mm H)
Probe	Stainless steel needle tip probe, dia 0.1in (2.5mm), Probe stem length 3.90in (99mm)
Calibration	Factory calibrated to NIST
Battery	1.5V button
Battery Saver	Automatic shut off after 10 minutes
Regulatory Compliance	NSF, RoHS-compliant device and NIST traceable HACCP tool
Body	ABS plastic
IP Rating	IP56 Rated

Item No.	Qty Break	Your Cost
3028-02	1-4	19.26
	5+	17.76

## Traceable® Waterproof Digital Thermometer (Traceable)

- 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.	Qty Break	Your Cost
3516-17	1-4	39.16
	5+	32.63





## 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	Qty Break	Your Cost
3516-30	DT400	-20°C to +200°C	±0.5°C/1°F	5"	1-4	<b>43.62</b>
	<b>waterproof</b>	-4°F to +400°F			5+	<b>37.16</b>
3028-35	PDQ400	-20°C to +200°C	±0.5°C/1°F	3"	1-4	<b>41.51</b>
	<b>waterproof</b> 5 year warranty	-4°F to +400°F			5+	<b>35.36</b>
3516-34	PDT300	-50° to +150°C	± 1°C , ±2°F	3"	1-9	<b>32.55</b>
	<b>water resistant</b>	-58°F to +300°F			10+	<b>32.04</b>
3028-32	300	-40° to +150°C	± 1°C , ±2°F	5"	1-4	<b>21.79</b>
	<b>water resistant</b>	-40°F to +300°F			5+	<b>18.56</b>
3028-33	300B	-40° to +150°C	± 1°C , ±2°F	5"		<b>23.62</b>
	<b>water resistant</b> w/rubber boot	-40°F to +300°F				



## Long Stem Digital Thermometers (Traceable)

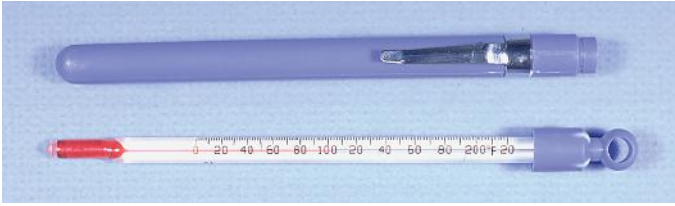
Each thermometer features a high-impact, chemical-resistant ABS plastic case with a 13/16" diameter, stainless steel probe with a 0.14" diameter, and a brilliant ¼" high LCD, which is easy to read.

They are supplied with an individually serial-numbered Traceable certificate, provided from an ISO 17025 calibration laboratory accredited by A2LA. This certificate indicates traceability to standards provided by the National Institute of Standards and Technology (NIST).

Item No.	Range	Stem Length	Accuracy	Your Cost
3516-20	-50° to 150°C	11.375"	±1°C	<b>59.24</b>
3516-22	-50° to 300°C	11.375"	±0.5°C (at tested points)	<b>87.51</b>
CTL4052	-50° to 150°C	8"	±1°C	<b>41.74</b>
CTL4352	-50° to 150°C	8"	±0.2°C (at tested points)	<b>72.68</b>

# Liquid-in-Glass Thermometers

LIQUID-IN-GLASS



3530-20

## Red Liquid Pocket Thermometers with Case

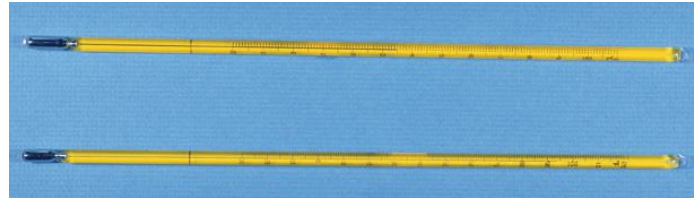
With white back. Total immersion. Length: 6" (155 mm).

Item No.	Range °F	Div °	Qty Break	Your Cost
3530-30	25 to 125	2	1-9	<b>6.21</b>
			10+	<b>4.95</b>
3530-20	0 to 220	2		<b>10.79</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>6.28</b>
					10+	<b>5.28</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 °	Qty Break	Your Cost
3028-50	-30 to 120°F.	1	1-2	<b>14.51</b>
			3+	<b>11.63</b>
3028-65	-20 to 110°C.	1	1-2	<b>10.36</b>
			3+	<b>10.36</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	Qty Break	Your Cost
3028-89	80 to 135°C	0.5°	200 mm	autoclaves	1	<b>106.63</b>
					2+	<b>93.32</b>
3028-90	0 to 220°F	2°	140 mm	dishwashers	1	<b>80.61</b>
					2+	<b>70.53</b>
3028-91	-10 to 200°C	1°	305 mm	hot air ovens	1	<b>112.60</b>
					2+	<b>98.51</b>
3028-92	-20 to 150°C	1°	165 mm	autoclaves	1	<b>160.64</b>
					2+	<b>140.57</b>
3028-93	40 to 300°F	2°	140 mm	autoclaves	1	<b>76.70</b>
					2+	<b>67.12</b>
3028-94	200 to 500°F	5°	140 mm	hot air oven	1	<b>98.92</b>
					2+	<b>86.57</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:

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 & CANADA.

MAXIMUM REGISTERING

## 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.

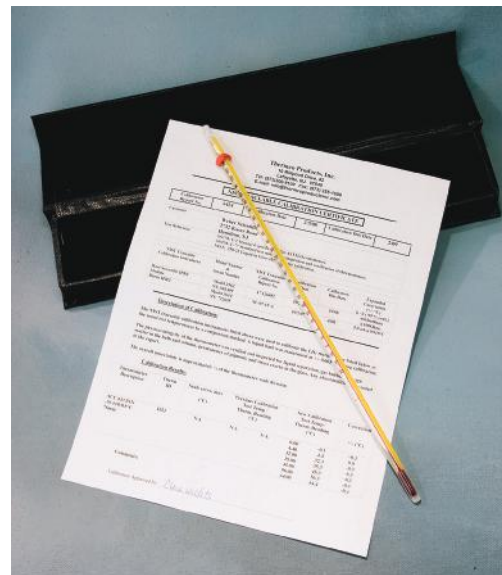
**\*NIST - National Institute of Standards and Technology, formerly NBS, National Bureau of Standards**

## 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>568.31</b>
<b>3027-66</b>	-1 to 101°C	0.1°	0, 4.4, 32, 64	76	610/24	spirit	<b>568.31</b>
<b>3520-07</b>	-20° to 110°C	0.5°	0, 4, 32	76	305/12	mercury	<b>261.29</b>
<b>3520-09</b>	-20° to 110°C	0.5°	0, 4, 32	76	305/12	spirit	<b>261.36</b>
<b>3520-12</b>	-20° to 110°C	0.5°	0, 4, 32, 45, 56	76	305/12	mercury	<b>280.65</b>
<b>3520-14</b>	-20° to 110°C	0.5°	0, 4, 32, 45, 56	76	305/12	spirit	<b>380.83</b>
<b>3520-17</b>	-20° to 110°C	0.5°	0, 4, 32, 35, 45, 56, 64	76	305/12	mercury	<b>502.46</b>
<b>3520-19</b>	-20° to 110°C	0.5°	0, 4, 32, 35, 45, 56, 64	76	305/12	spirit	<b>502.46</b>
<b>3520-22</b>	-20° to 110°C	0.5°	0, 7, 72	76	305/12	mercury	<b>201.46</b>
<b>3520-24</b>	-20° to 110°C	0.5°	0, 7, 72	76	305/12	spirit	<b>261.29</b>
<b>3520-27</b>	-1 to 201°C	0.5°	0, 170	76	430/17	mercury	<b>275.46</b>
<b>3520-29</b>	-1 to 201°C	0.5°	0, 170	76	430/17	spirit	<b>207.14</b>
<b>3520-32</b>	0° to 220°F	0.5°	32, 45, 161	76	380/15	mercury	<b>261.29</b>
<b>3520-34</b>	0° to 220°F	0.5°	32, 45, 161	76	380/15	spirit	<b>261.29</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	61.78	3027-51	61.78
2 Temperature Points	3029-09	102.85	3027-52	102.85
3 Temperature Points	3029-10	102.85	3027-53	102.85
4 Temperature Points	3029-11	102.85	3027-54	102.85
5 – 9 Temperature Points	3029-12	123.57	3027-55	123.57
10 – 15 Temperature Points	3029-13	161.78	3027-56	161.78
Bottle Thermometers	3029-14	51.42	3027-57	51.42
Digital Pasteurization Thermometers			3029-15	235.59
Ultra-Accurate Wide-Range Thermometers			3029-16	235.59

## 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	98.18
3027-61	-30 to 220°F	1°	100	152	381/15	spirit	235.57
3027-80	-30 to 120°F	1°	56	76	305/12	mercury	97.72
3027-81	-30 to 120°F	1°	56	76	305/12	spirit	97.12
3027-83	30 to 214°F	0.2°	100	76	610/24	mercury	206.80
3027-84	30 to 214°F	0.2°	100	76	610/24	spirit	209.37
3027-86	0 to 230°F	2°	100	76	305/12	mercury	97.14
3027-87	0 to 230°F	2°	100	76	305/12	spirit	96.89
3027-89	-20 to 110°C	1°	37	76	305/12	mercury	97.14
3027-90	-20 to 110°C	1°	37	76	305/12	spirit	97.09
3028-63	-20 to 110°C	0.5°	37	76	305/12	mercury	113.68
3028-64	-20 to 110°C	0.5°	37	76	305/12	spirit	113.93
3027-92	-38 to 50°C	0.1°	0	total	610/24	mercury	203.47
3027-95	-1 to 101°C	0.1°	56	76	610/24	mercury	343.31
3027-96	-1 to 101°C	0.1°	56	76	610/24	spirit	241.16

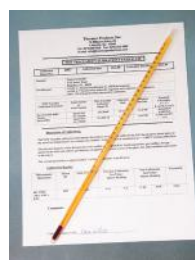
### IMPORTANT NOTE:

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 & CANADA.

## 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.



	<b>3028-60</b>
Range	80 to 135°C
Div°	0.5
Length	200 mm
Calibration Point	120°

Item No.	Your Cost
3028-60	165.27



## 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.	Your Cost
4334-32	36.68

### ACCESSORIES:



Uncalibrated Maximum Registering Thermometers see page 197.

## 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	Qty Break	Your Cost
3028-70	-20 to 110°C	1	305 mm	76 mm	mercury	general lab		<b>31.49</b>
3028-72	-20 to 110°C	0.5	305 mm	76 mm	mercury	general lab	1 2+	<b>61.84</b> <b>54.11</b>
3028-73	-20 to 110°C	1	305 mm	76 mm	spirit	general lab	1 2+	<b>47.13</b> <b>41.25</b>
3028-75	0 to 230°F	2	305 mm	76 mm	mercury	general lab		<b>31.49</b>
3028-78	0 to 230°F	2	305 mm	76 mm	spirit	general lab	1 2+	<b>49.12</b> <b>42.99</b>
3028-80	20 to 100°C	1	305 mm	76 mm	mercury	incubator/water bath with immersion enlargement, arrows at critical temps		<b>49.76</b>
3028-82	-10 to 220°C	0.5	385 mm	total	mercury	hot air oven sterilization		<b>37.31</b>
3028-84	0 to 100°C	0.5	225 mm	35 mm	mercury	block incubator, shallow immersion, Charm, Delvo, SNAP	1 2+	<b>75.80</b> <b>66.35</b>
3028-85	24 to 57°C	0.5	175 mm	35 mm	mercury	block incubator, shallow immersion, Penzyme	1 2+	<b>76.19</b> <b>66.65</b>
3028-86	34.5 to 46°C	0.1	237 mm	76 mm	mercury	coliform incubator with arrows at critical temperatures		<b>74.63</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	Your Cost
3028-46	610 mm (24")	<b>41.17</b>
3028-49	305 mm (12")	<b>31.08</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.	Your Cost
3036-60	<b>19.29</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.	Your Cost
3036-54	<b>62.10</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".

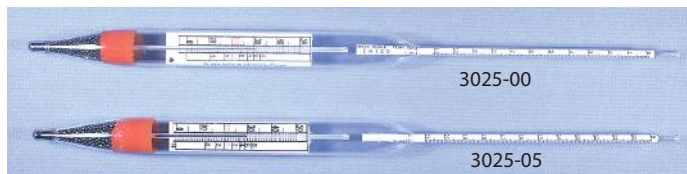


Item No.	Range °C	Divisions °C	Length in./mm	Immersion in./mm
3518-30	18 to 60	0.5	5 / 125	1.4 / 35
3518-40	50 to 110	0.5	6.5 / 165	1.4 / 35

Item No.	Your Cost
3518-30	<b>71.12</b>
3518-40	<b>74.90</b>

#### IMPORTANT NOTE:

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 & CANADA.



## 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 %	Your Cost
3025-00	0-12	0.1	29.56
3025-05	9-21	0.1	59.21



## 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	Your Cost
3024-86	0.895 to 1.0	300 mm	0.001	28.27
3024-87	0.650 to 1.000	300 mm	0.005	28.67
3024-88	1.000 to 1.220	300 mm	0.002	28.27
3024-89	1.200 to 1.420	300 mm	0.002	28.67



## 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	248.87
3048-18	Beer/Wort	8 to 16	0.1	330mm/13"	25mm	248.87
3048-19	Beer/Wort	16 to 24	0.1	330mm/13"	25mm	248.87

## 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.	Your Cost
3036-38	109.63



## Lactometers

For determining solids in milk.

Item No.	Your Cost
3036-00	78.22
3036-04	104.24

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	Your Cost
3036-40	0 - 100%	saturation	1.0%	Glass	22.72
3036-42	0 - 100%	saturation	1.0%	Plastic	85.06
3036-44	0 - 26.5%	weight	0.5%	Plastic	85.06

## 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	29.68
3048-16	1200	65 x 450	53.97



## 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.	Qty Break	Your Cost
3036-55	9391	1-4	29.91
		5+	25.30





## Large Display Water Resistant Stopwatch (Sper Scientific)

This stopwatch is shock and water resistant and has a large 5/8" high display for good visibility. 1/100 second resolution stopwatch with split time display. Also features an alarm clock with chime, calendar and 12 or 24 hour time modes. The rounded, ergonomic design fits neatly in your hand.

Large, easy to read LCD Display. Time, date, day of week display, with 12/24 hour format. 1/100 second stopwatch with split time display. Daily alarm and hourly chime available.

Dimensions are 2 1/4" x 3" x 3/4" and weight is 1.5oz.

Lanyard, instructions, and button cell battery are included.



Item No.	Description	Your Cost
4010-45	large display water resistant stopwatch	35.64
4010-47	serialized with NIST traceable certificate of compliance	63.11

## 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	Your Cost
4010-20	count up/down timer	17.09

## Traceable® Outlet Controller (Traceable)

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	Your Cost
4010-06	Outlet controller	53.25

## 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	Your Cost
4010-52	water resistant stopwatch	12.97
4010-54	water resistant stopwatch with NIST traceable certificate of compliance	36.12

## 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	Your Cost
4010-15	large display timer	28.91
4010-17	serialized with NIST traceable certificate of compliance	46.62

## Original™ Traceable® Lab Timer (Traceable)

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.	Description	Your Cost
4011-10		81.23

## Four Channel Traceable Alarm Timer (Traceable)

The Four-Channel Traceable Alarm Timer Stopwatches feature multiple channels that allow for easy independent programming.

Keep an eye on your timer from across the lab with a readily visible, extra-large display. This timer is versatile and can be placed virtually anywhere, simply use the magnetic clip to clip onto your lab coat, stand it up on a shelf, or secure it to any metal surface.

Maximum of 100 hours per channel. Each channel features a distinct, sixty-second, easy-to-hear alarm. Once the alarm sounds, the timer will count up automatically! This allows you to see any elapsed time at-a-glance.

The handy memory button recalls the last timer setting for convenient repeat use. All four channels have the capability to be used simultaneously, making this timer perfect for multitasking.

Large 3 1/4" display shows any single timing channel of your choice, along with the clock. High decibel alarm sounds for one minute or can be silenced with the push of a button.

- Includes stopwatch, time-out and time of day clock
- Memory returns to previously programmed time
- 2 year silver oxide battery included



Item No.	Description	Your Cost
4010-30	4 channel timer	19.29
4010-32	serialized with NIST traceable certificate of compliance	36.34

## Triple Timers

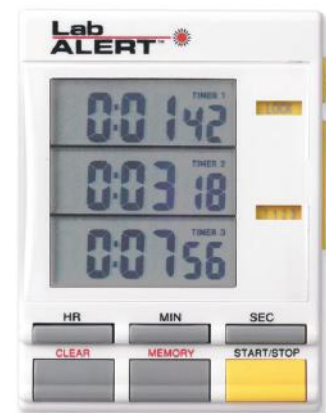
Our Triple Timers have three channels that count down independently or simultaneously. A unique, audible alarm provides an alert when time is complete; the timer automatically counts up after zero to show time elapsed since alarm.

The Triple timers allow a maximum of 20 hours per channel. Memory recalls previous interval settings and a time-out feature pauses the count. The timer can also display clock and/or stopwatch (to 1/100 sec).

Each timer includes a AAA battery with approx. 2-year life – order replacement batteries separately. Dimensions: 2 1/2" x 3 3/8" x 7/8".

- Unique ring when time is up.
- Easy-clean brushed stainless steel.
- Monitor times for 3 different experiments -- channels can be started independently or simultaneously

Item No.	Your Cost
ETL891	32.44



## Traceable® Flashing LED Big-Digit Dual Channel Timer (Traceable)

### 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.	Your Cost
4011-07	38.30



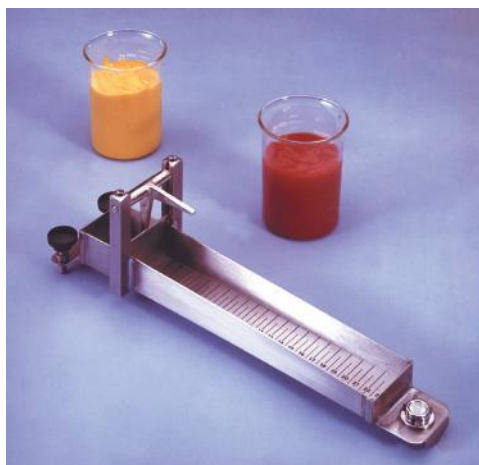


## Zahn Viscometers

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.

Item No.	Cup No.	Orifice, In.	Type liquid	Zahn Range, Seconds (25°C.)	Range, Cent. Stokes	Your Cost
<b>3410-01</b>	1	0.078	very thin	45-80	18-56	<b>317.81</b>
<b>3410-02</b>	2	0.108	thin	25-80	40-230	<b>359.85</b>
<b>3410-03</b>	3	0.148	medium	20-75	150-790	<b>341.92</b>
<b>3410-04</b>	4	0.168	heavy	20-80	220-1100	<b>277.63</b>
<b>3410-05</b>	5	0.208	very heavy	20-75	460-1725	<b>238.78</b>

**HARD TO FIND ITEM!**



## Bostwick Consistometer (CSC Scientific)

*For standardizing production lots*

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
<b>4412-50</b>	<b>971.03</b>

## Positive displacement pipettes are ideal for difficult to move viscous samples



### Microman E (Gilson)

Working like a syringe, capillary pistons eliminate the air cushion between the sample and the disposable piston, providing 100% protection against pipette contamination and producing accurate, reproducible, and precise results every time. Ideal for difficult to move viscous samples.

Item No.	Model No.	Volume	Your Cost
<b>GSNFD10001</b>	M10E	1 - 10 $\mu$ L	<b>562.13</b>
<b>GSNFD10003</b>	M50E	20 - 50 $\mu$ L	<b>562.13</b>
<b>GSNFD10004</b>	M100E	10 - 100 $\mu$ L	<b>562.13</b>
<b>GSNFD10005</b>	M250E	50 - 250 $\mu$ L	<b>562.13</b>
<b>GSNFD10006</b>	M1000E	100 - 1000 $\mu$ L	<b>559.78</b>



### Microman Capillary Pistons (Gilson)

Pre-assembled. The below options are all sterilized, see our website for non-sterile option.

Item No.	For use w/ model	Packaging	Your Cost
<b>GSNF148413</b>	M10E	2 packs of 96 tips	<b>149.33</b>
<b>GSNF148713</b>	M50E	2 packs of 96 tips	<b>390.32</b>
<b>GSNF148415</b>	M100E	2 packs of 96 tips	<b>149.33</b>
<b>GSNF148714</b>	M250E	2 packs of 96 tips	<b>390.32</b>
<b>GSNF148180</b>	M1000E	2 packs of 91 tips	<b>149.33</b>





## 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



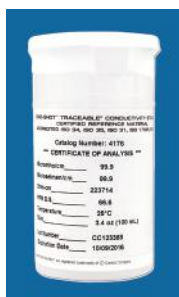
Unit of Measure	Range	Resolution	Accuracy
Dissolved Oxygen mg/L	0 - 20.0 mg/L	0.1 mg/L	±0.4 mg/L
Oxygen % in Air (for calibration reference)	0-100.0% O <sub>2</sub>	0.1% O <sub>2</sub>	±0.7% O <sub>2</sub>
Temperature °F	32-122°F	0.1°F	±1.5°F
Temperature °C	0-50°C	0.1°C	±0.8°C

Item No.	Mfr Item No.	Description	Your Cost
5010-10	850045	DO Pen	328.02
5010-11	850089	Replacement probe head	12.56
5010-12	840044	Replacement electrolyte	15.51

## Traceable® One-Shot™ Conductivity Standards (Traceable)

### 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	Your Cost
5030-61	4175	10	6 x 100mL	64.59
5030-62	4176	100	6 x 100mL	62.42
5030-63	4177	1000	6 x 100mL	49.56

## Dissolved Oxygen Meter Kit (Sper Scientific 850081DOK)

Measures dissolved oxygen to determine water quality in environmental testing, labs, industrial and municipal waste water, aquariums and fish hatcheries. The back-lit display simultaneously displays dissolved oxygen (in % or mg/L) and temperature readings (in °C or °F). Automatic temperature compensation as well as manual compensation for salinity and altitude. Features simple one-button calibration to air. DO probe heads include built in membranes and screw on and off for easy replacement. Also functions as a pH, ORP, Conductivity, TDS or Salinity meter when used with the optional probes.



Comes in a hard carrying case complete with DO probe, 2 spare probe heads, electrolyte, instructions and a 9V battery. EPA Equivalency Method: 360.1.

Unit of Measure:	Range:	Resolution:	Accuracy:
DO:	0 to 20 mg/L	0.1	±0.4
O <sub>2</sub> in Air:	0 to 100.0%	0.1	±0.7
Temperature:	0 to 50°C / 32 to 122°F	0.1	±0.8°C / ±1.5°F

Item No.	Mfr Item No.	Description	Your Cost
5010-20	850081DOK	DO Meter Kit	389.06

## 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
5210-10	RQflex™ meter	1,681.57

Item No.	Test Strip, Pack of 50	Range (ppm)	Your Cost
5210-29	ascorbic acid	25 - 450	129.85
5210-53	nitrate, low range	3 - 90	156.69
5210-50	nitrate, high range	5 - 225	200.25
5210-56	nitrite	0.5 - 25	189.16
5210-59	peracetic acid	1 - 22.5	189.16
5210-62	peroxide	0.2 - 20	164.60

800-328-8378

### ACCESSORIES: FOR WATER ANALYSIS



pH Test Strips see pages 113, 162, 208.  
Sanitizer Test Strips see pages 162 - 163.

WATER TESTING

213

## Digital Pocket Colorimeter™ DR300 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 DR300 really can be carried in your pocket! Weighing in at only .25 kg (0.55 lbs.), it even floats if accidentally dropped in water.



Lamp	Light Emitting Diode (LED)
Detector	Silicon Photodiode
Wavelength	528 ± 2 nm chlorine, Free and Total 600 ± 2 nm ozone
Filter Bandwidth	15 nm
Absorbance Range	0 to 2.5 Abs
Sample Cell Pathlength	1 cm and 25 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	34mm H x 69mm W x 157mm D
Net Weight	0.25 kg (0.55 lbs)
Power	4 AAA alkaline batteries, approximate battery life of 5000 tests
Compliance	European CE Mark
Warranty	2 years

### Ordering Information

Each Pocket Colorimeter comes in a sturdy custom carrying case and includes a manual. Reagents sold separately.

Item No.	Description	Range mg/L	Accuracy mg/L	Method	No. of Tests	Your Cost
<b>5151-00</b>	Chlorine, Free (F) <sup>DW</sup> & Total (T) <sup>DW,WW</sup>	0.1 - 10	0.01 - 10	DPD	100	<b>802.87</b>
<b>5151-01</b>	Ozone	0.01 - 0.25 0.01 - 0.75	0.01 - 10	Indigo Trisulfonate	50 (25 per method)	<b>802.87</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)

### Reagents

Item No.	Description	Range	Method	No. of Tests	Your Cost
<b>H21055-69</b>	Chlorine, free	0-2.00	DPD	100	<b>32.14</b>
<b>H21056-69</b>	Chlorine, total	0-2.00	DPD	100	<b>35.12</b>
<b>H25160-25</b>	Ozone, Low Range AccuVac	0-0.25	Indigo	25	<b>52.04</b>
<b>H25170-25</b>	Ozone, Mid Range AccuVac	0-0.75	Trisulfonate	25	<b>57.80</b>

## 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 ±3% of reading plus ±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.



5151-35



5151-36



5151-39

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	±3% of reading plus ±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>69.35</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>69.35</b>
<b>5151-38</b>	HI711-25	Reagents for 25 tests (Total Cl <sup>2</sup> )	pk/25	<b>18.35</b>
<b>5151-39</b>	HI701-25	Powder reagents for 25 tests (Free Cl <sup>2</sup> )	pk/25	<b>18.35</b>
<b>5151-40</b>	HI731318	Cuvette cleaning cloths	pk/4	<b>18.32</b>
<b>5151-41</b>	HI731331	Glass cuvettes	pk/4	<b>27.51</b>
<b>5151-42</b>	HI731353	Caps for cuvettes	pk/4	<b>37.25</b>
<b>5151-43</b>	HI93703-50	Cuvette cleaning solution, 230 mL	each	<b>32.30</b>

**NEW!**

SPECTROPHOTOMETER

## DR 3900 Spectrophotometer (Hach)

**Optimized for safe processes and consistent, quick and accurate water analysis results.**

Benchtop visible spectrum (320 – 1100 nm), split beam spectrophotometer with over 220 pre-programmed methods optimized for laboratory water analysis.

### Guided Procedures

The DR3900 Spectrophotometer simplifies water analysis by providing users with step-by-step guides that guide them through the testing process. This guarantees consistent and precise outcomes.

### RFID Technology\*

The state-of-the-art Radio Frequency Identification (RFID) Technology enables hands-free calibration updates by autonomously recognizing the log, expiration, and calibration curves associated with each Hach chemistry sample. It also enables the traceability of each measurement. (8104-02 model only).

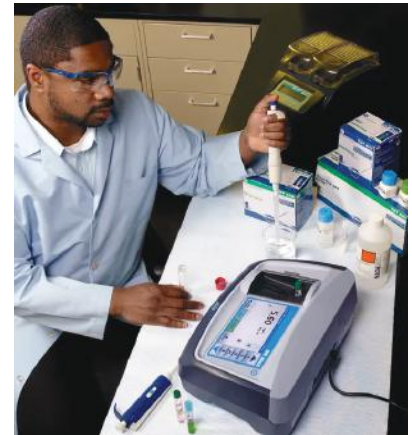
### Clarus Enabled

The instrument connects to Clarus™, Hach's innovated Water Intelligence System, which allows for the seamless integration and management of instruments, data, and processes at any time and in any location. The result is enhanced operational efficiency and increased confidence in the resulting data.

### Flexible Connectivity

Built with 1 ethernet and 3 USB ports, the DR 3900 easily connects to the computer and is programmed to seamlessly interface with Hach WIMS™ or any LIMS system.

- Optimized for safe processes and accurate results.
- Large color touchscreen display allows easy setup and navigation.
- RFID technology eliminates sample mix-ups and provides better sample traceability.
- Built with 1 ethernet and 3 USB ports, so easily connects to your computer.
- 200+ tests available including EPA compliant parameters such as ammonia, COD, chlorine and more.
- Data-logger with 2000 measured values (Result, Date, Time, Sample ID, User ID)
- Includes: Spectrophotometer DR3900, adapter A for 1 in. round and 1 cm square cells, matched pair of 1 in. square glass sample cells, light shield, dust cover, printed basic user manual and benchtop power supply with 115 and 230V power cords.



Item No.	Product Description	Your Cost
8104-02	DR 3900 Spectrophotometer with RFID Technology for easy method update, sample ID, and Certificate of Analysis	<b>Call for Quote</b>
8104-01	DR 3900 Spectrophotometer without RFID Technology	

## Parameter List and Reagent Sets *Colorimeter Reagent Sets*

Parameter	Range	Qty/pk	Item No.	Your Cost
Bromine and Chlorine, Total (USEPA)	0 - 4.50 mg/L Bromine 0 - 2.00 mg/L Chlorine	100	<b>H21056-69</b>	<b>35.12</b>
Bromine (AccuVac®) and Chlorine, Total (AV) (USEPA)	0 - 4.50 mg/L Bromine 0 - 2.00 mg/L Chlorine	25	<b>H25030-25</b>	<b>45.56</b>
Chlorine, Free, HR	0 - 5.00 mg/L	100	<b>H14070-99</b>	<b>37.08</b>
Chlorine, Total, HR	0 - 5.00 mg/L	100	<b>H14064-99</b>	<b>40.41</b>
Chlorine, Free (USEPA)	0 - 2.00 mg/L	100	<b>H21055-69</b>	<b>32.14</b>
Chlorine, Free (AV) (USEPA)	0 - 2.00 mg/L	25	<b>H25020-25</b>	<b>47.09</b>
Oxygen Demand, Chemical, HR (USEPA) ⚠	0 - 1500 mg/L	25	<b>H21259-25</b>	<b>72.17</b>
Ozone, LR (AV)	0 - 0.25 mg/L	25	<b>H25160-25</b>	<b>52.04</b>
Ozone, MR (AV)	0 - 0.75 mg/L	25	<b>H25170-25</b>	<b>57.80</b>

HR: High Range MR: Mid Range LR: Low Range USEPA: USEPA accepted or approved AV: AccuVac

**Additional Reagent Sets for Copper (Bicinchoninate), Fluoride, Total Iron, Nitrate, Ammonia Nitrogen, Oxygen Demand, Phosphorus & Zinc available at [weberscientific.com](http://weberscientific.com).**

REAGENT SETS





## 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	Qty Break	Your Cost
5049-30	2994	Iron & Copper	0-5 (Iron)	0, 0.3, 0.5, 1, 3, 5	25	1-9	<b>25.64</b>
			0-3 (Copper)	0, 0.3, 0.6, 1, 3	25	10+	<b>24.69</b>
5049-36	2987	pH & Total Chlorine	4-10 (pH)	4, 5, 6, 7, 8, 9, 10	25		<b>10.75</b>
			0-50 (TCl)	0, 1, 5, 10, 20, 50	25		
5049-39	2996	Nitrate & Nitrite	0-50 (Nitrate)	0, 5, 10, 25, 50 (NO <sub>3</sub> -N)	25	1-9	<b>19.00</b>
			0-10 (Nitrite)	0, 0.5, 1, 5, 10 (NO <sub>2</sub> -N)	25	10+	<b>18.24</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	Your Cost
4315-50	5-in-1			bottle/50	<b>37.57</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 (NH <sub>3</sub> -N)	0-6 ppm	0, 0.25, 0.5, 1, 3, 6	bottle/25	<b>48.43</b>
4315-60	Chlorine, free	0-10 ppm	0, 0.5, 1, 2, 4, 10	bottle/50	<b>37.84</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	<b>25.62</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	<b>45.07</b>
	Nitrite	0-3 ppm	0, 0.15, 0.3, 1, 1.5, 3		
4315-75	Phosphate (PO <sub>4</sub> )	0-50 ppm	0, 5, 15, 30, 50	bottle/50	<b>49.86</b>



## Titrets® Test Kits

Titrets® test kits use reverse titration to quantify concentrations in aqueous samples. Kits contain 30 ampoules with valve assemblies, accessory solutions (when necessary), sample cup, Titrettor device, instructions, and MSDS.

Item No.	Mfr Item No.	Description	Range, ppm(mg/l)	Your Cost
4318-10	K-4520	Water Hardness test kit	20 - 200	<b>76.29</b>



## eXact® Strip Micro Ozone

Dipping the eXact® strip into a photometer cell, the exact amount of reagent is released into the water causing a change in color or turbidity. The change is measured by an eXact® photometer giving the user fast and accurate results.

Item No.	Mfr. Item No.	Qty	Your Cost
4312-57	486634	Bottle of 100 tests	<b>15.64</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)	Your Cost
4314-10	lead	20 - 500	<b>204.04</b>
4314-15	nitrate	10 - 500	<b>117.27</b>
4314-20	nitrite, high range	1 - 80	<b>155.36</b>
4314-30	peroxide	0 - 25	<b>136.02</b>
4314-32	peroxide	100 - 1000	<b>186.49</b>
4314-35	sulfate	200 - 1600	<b>150.11</b>
4314-40	total hardness, low range	50 - 370	<b>166.51</b>
4314-45	total hardness, high range	85 - 430	<b>188.84</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.	Your Cost
3036-70	72.86

## Taylor - R-0002-C DPD Reagent #2

2 oz in a dropper bottle.



Item No.	Size	Your Cost
5151-11	2 oz.	15.90

## Quantab® Chloride Titrators (Hach)

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.	Mfr Item No.	Range	NaCl % / Cl-ppm	Qty	Your Cost
4315-15	27449-40	low	0.005 - .10 / 30 - 600	40 strips	105.18
4315-20	27513-40	high	0.05 - 1.0 / 300 - 6000	40 strips	102.82

## DPD TESTABS® (LaMotte)

Widely used tablet format for determining Free and Total chlorine in water.

Item No.	Mfr. Item No.	Description	Qty	Qty Break	Your Cost
5050-20	6999J	DPD #1 Rapid Tablets	case/100	1-9	20.80
		Free Chlorine		10+	20.02
5050-25	6905J	DPD #3 Rapid Tablets	case/100	1-9	20.80
		Total Chlorine		10+	20.02
5051-07	6197-H	Chlorine DPD TESTABS #3 (50 ct)	Each		12.00

## 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	Your Cost
5049-70	7191-01	Peracetic Acid/Hydrogen Peroxide Test Kit <ul style="list-style-type: none"> <li>• Peracetic Acid Titrant 60 mL</li> <li>• Sulfuric Acid 30 mL</li> <li>• Ferrioin 15 mL</li> <li>• Hydrogen Peroxide Titrant 2x3 mL</li> <li>• Potassium Iodide 30 mL</li> <li>• Test Tube, 5-10-25 mL, plastic, w/cap</li> </ul>	83.80

### Peracetic Test Kit Components

Item No.	Mfr. Item No.	Description	Qty	Your Cost
5049-71	S-6155-H	Peracetic Acid Titrant	60 mL	10.49
⚠ 5049-72	6141WT-G	Sulfuric Acid	30 mL	10.62
5049-73	6410-E	Ferrioin	15 mL	9.32
⚠ 5049-74	5650LWT-G	Hydrogen Peroxide Titrant	2x3 mL	15.76
5049-75	6521-G	Potassium Iodide 20% Solution	30 mL	16.32



## ACCESSORIES: CHLORINE TESTING



Chlorine Test Strips see pages 168 - 169.  
Salt Refractometers see website.

## COD Test Reagents (Hach)

### USEPA-Approved Dichromate COD Method

Item No.	Description	Your Cost
<b>Reagent Vials</b>		
H21259-25	High Range (0 to 1500 mg/L), 25/pk	72.17
H21259-15	High Range (200 to 1500 mg/L), 150/pk	387.90
H21258-25	Low Range (0 to 150 mg/L), 25/pk	72.17
H24158-15	Ultra-Low Range (1 to 40 mg/L), 150/pk	502.86
H12186-29	COD Standard Solution, 300 mg/L, 200 mL	44.40

## BOD Test Reagents (Hach)

Item No.	Description	Your Cost
H14865-10	BOD Standard, 10 mL ampules; pk/16.	81.88
H2533-35	Nitrification Inhibitor, 35 gram.	43.33
H14160-66	Nutrient Buffer Pillows, for preparing 300 mL; pk/50.	21.20
H14863-98	BOD Nutrient Buffer Pillows, prepares 19 L; 25/pk	116.19



## Biological Oxygen Demand Bottles (Wheaton)

Use for incubating diluted samples of sewage, sewage effluents, polluted water, and industrial waste.

These biological oxygen demand (B.O.D.) bottles are used to determine the amount of oxygen required during stabilization of decomposing organic matter by aerobic action. They are made from borosilicate glass for higher chemical resistance and have a 300 mL capacity. See website for numbered, bar coded, and additional stopper options.

Item No.	Description	Qty	Your Cost
TCW227497-00G	300 mL BOD Bottle; Unnumbered; Glass Pennyhead Stopper	24/cs	410.39



## PolySeed® Testing Capsules

Convenient, fast, and cost-effective BOD<sub>5</sub> analysis with consistent results. Provides a uniform standard for the degradation of both industrial and municipal waste for biochemical oxygen demand testing. Formulated according to The Standard Methods for Examination of Water and Wastewater.

Item No.	Packaging	Your Cost
3052-15	50 Capsules/BX	187.65

## AquaSnap™ ATP Water Testing Device (Hygiena)

### Sensitive Water Quality Analysis in 15 Seconds

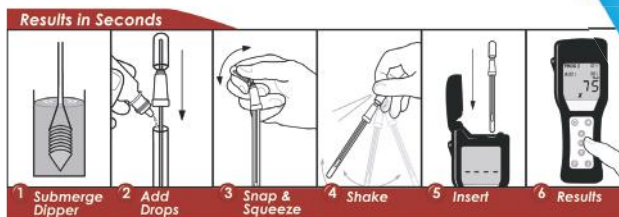
AquaSnap is an easy-to-use ATP liquid test compatible with Hygiena luminometers. The device is available in two formats: Free and Total. AquaSnap Free measures dissolved ATP that is free in solution (non-microbial ATP). AquaSnap Total measures both free ATP in solution and microbial ATP (non-microbial 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
- ✓ 15 months shelf life at refrigerated temperatures (2-8°C)
- ✓ 4 weeks at room temperature (21-25°C)
- ✓ Results in 15 seconds



For use with Hygiena ATP Testing Devices see page 164

Item No.	Description	Mfr. Item No.	Qty	List Price
3661-95	Total ATP	AQ-100X	pack/100	305.45
3661-96	Free ATP	AQ-100FX	pack/100	305.45



## LuciPac A3 ATP Water Testing Device (Kikkoman)

Item No.	Description	Qty	Qty Break	Your Cost
5300-15	LuciPac™ A3 Pen Aqua Swab System – layered flange tip for water sampling Total ATP	Case/100	1	258.56
		(20 x 5 aluminum bags)	2+	240.53

For use with Lumitester™ Smart A3 Sanitation System see page 162



### ACCESSORIES: FOR BOD TESTING



BOD Incubator see page 13.  
Luminometers see pages 162 - 165.



## EasyDisc Water Microbiology Tests - YEA, PCA, R2A (IDEXX)

### Heterotrophic plate counts in 48 hours

- No equipment, autoclaving, or agar preparation
- Twelve (12)-month shelf life eliminates waste and improves workflow
- Smaller plate size reduces plastic waste by more than half
- Bright blue colonies make reading the tests faster than traditional methods
- Less than 1 minute of hands-on time
- Simplified procedure minimizes chance of contamination
- Minimal quality control (QC) compared to traditional methods
- Built-in gridlines make reading the test easier than traditional methods

Choose from three tests:

**EasyDisc YEA Test:** Results for drinking and source water in 44 hours at 36°C or 68 hours at 22°C. Easy-to-count blue colonies, designed to correlate with ISO 6222.

**EasyDisc PCA Test:** Results for drinking water and source water in 48 hours at 35°C. Easy-to-count blue colonies, designed to correlate with pour plate method (SM 9215) using plate count agar.

**EasyDisc R2A Test:** Results for medical and/or pharmaceutical waters in 5-7 days at 20-28°C. Easy-to-count blue colonies, designed to correlate with the pour plate method (SM 9215) using Reasoner's 2 agar.

Item No.	Description	Qty	Your Cost
WYEA25	EasyDisc YEA Test Kit	25/Pack	122.15
WYEA100	EasyDisc YEA Test Kit	100/Pack	438.57
WPCA25	EasyDisc PCA Test Kit	25/Pack	112.65
WPCA100	EasyDisc PCA Test Kit	100/Pack	409.65
WR2A25	EasyDisc R2A Test Kit	25/Pack	112.66
WR2A100	EasyDisc R2A Test Kit	100/Pack	409.65



## Pseudalert™ (IDEXX)

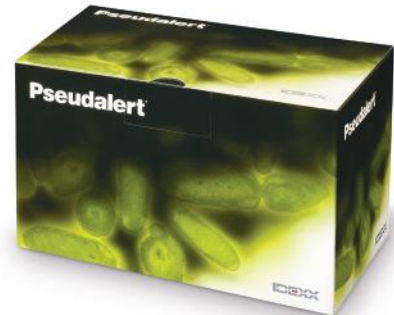
### Detect and quantify Pseudomonas aeruginosa in just 24 hours

*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	Your Cost
WPSE020	For 100 mL sample	20 snap packs	169.87
WPSE200	For 100 mL sample	200 snap packs	1,393.99

## 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. (Traditional standard methods agar plates can only count up to 300 CFU)

#### 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	125.53
WHPC-100	pack of 10 multi-dose media vessels and 100 SimPlates	331.73
WSW-10	100 mL Bottles of Sterile Water, Case/10	42.07

# 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.
- 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**

**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)

(WP020 & 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)

(WP020-18 & 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 intensity. 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.





**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.







## Colilert and Colisure P/A

Item No.	Description	Qty	Qty Break	Your Cost
<b>WP020</b>	Colilert Presence/Absence	20 tests	1	<b>145.65</b>
			2+	<b>137.22</b>
<b>WP100</b>	Colilert Presence/Absence	100 tests	1	<b>628.67</b>
			2+	<b>600.95</b>
<b>WP200</b>	Colilert Presence/Absence	200 tests	1	<b>1,232.10</b>
			2+	<b>1,183.47</b>
<b>WP020-18</b>	Colilert 18-hour Presence/Absence	20 tests	1	<b>165.23</b>
			2+	<b>155.91</b>
<b>WP200-18</b>	Colilert 18-hour Presence/Absence	200 tests	1	<b>1,320.68</b>
			2+	<b>1,247.31</b>
<b>WCLS20</b>	Colisure Presence/Absence	20 tests	1	<b>162.78</b>
			2+	<b>155.61</b>
<b>WCLS200</b>	Colisure Presence/Absence	200 tests	1	<b>1,308.72</b>
			2+	<b>1,234.98</b>

## Also available - Colilert pre-dispensed Most Probable Number (MPN) format

Item No.	Description	Qty	Your Cost
<b>W100</b>	Colilert Pre-Dispensed MPN	100 disp. 10 mL tubes of pre-dispensed reagent in carrier trays, for ten 10-tube MPN	<b>220.80</b>
<b>W102</b>	Comparator Colilert MPN	10 mL test tube of yellow/fluorescence Colilert comparator	<b>21.65</b>
<b>W200</b>	Colilert Pre-Dispensed MPN	200 disp. 10 mL tubes of pre-dispensed reagent in carrier trays, for twenty 10-tube tests	<b>397.66</b>

## Sterile Sample Containers

Item No.	Description	Qty	Your Cost
<b>WV120-20</b>	Polystyrene Vessel, Tear-Off Label	20 high clarity 120 mL polystyrene vessels without sodium thiosulfate; w/tear-off label	<b>22.08</b>
 <b>WV120-200</b>	Polystyrene Vessel, Tear-Off Label	200 high clarity 120 mL polystyrene vessels without sodium thiosulfate; w/tear-off label	<b>161.42</b>
<b>WV120SB-20</b>	Polystyrene Vessel, Shrink-Band	20 high clarity 120 mL polystyrene shrink-banded vessels without sodium thiosulfate	<b>22.08</b>
 <b>WV120SB-200</b>	Polystyrene Vessel, Shrink-Band	200 high clarity 120 mL polystyrene shrink-banded vessels without sodium thiosulfate	<b>161.42</b>
<b>WV120SBST-20</b>	Polystyrene Vessel, Shrink-Band, w/ST	20 high clarity 120 mL polystyrene shrink-banded vessels with sodium thiosulfate	<b>22.08</b>
 <b>WV120SBST-200</b>	Polystyrene Vessel, Shrink-Band, w/ST	200 high clarity 120 mL polystyrene shrink-banded vessels with sodium thiosulfate	<b>161.42</b>
<b>WV120ST-20</b>	Polystyrene Vessel, Tear-Off Label, w/ST	20 high clarity 120 mL polystyrene vessels with sodium thiosulfate; w/tear-off label	<b>22.08</b>
 <b>WV120ST-200</b>	Polystyrene Vessel, Tear-Off Label, w/ST	200 high clarity 120 mL polystyrene vessels with sodium thiosulfate; w/tear-off label	<b>161.42</b>
<b>WV120SBAF-200</b>	Polystyrene Vessel, Shrink-Band	200 high clarity 120 mL polystyrene shrink-banded vessels with Anti-foam	<b>185.87</b>

## Accessories

Item No.	Description	Qty	Your Cost
<b>WAFDB</b>	Antifoam Solution	20 mL Dropper Bottle	<b>22.21</b>
<b>WKIT1001</b>	Quanti-Cult Q.C. Test Kit	Contains 3 E. coli, 3 K. Pneumonise, 3 P. Aeruginosa	<b>227.83</b>
<b>WL160</b>	Hand Held U.V. Lamp	6 watt U.V. lamp with tube and A.C. cord	<b>159.31</b>
<b>WL161</b>	Bulb	1 Replacement bulb for Hand Held U.V. Lamp	<b>52.57</b>
<b>WL200</b>	Pocket U.V. Fluorescent Lamp	4 watt battery powered U.V. lamp. 4 AA batteries (not included)	<b>51.07</b>
<b>WP104</b>	Comparator Colilert/Colilert-18	Vessel filled with 100 mL Colilert color and fluorescence comparator for distinguishing positive from negative test	<b>10.30</b>
<b>WVR20</b>	Vessel Rack	Nylon coated wire rack for up to 20 polystyrene vessels	<b>51.21</b>
<b>3432-00</b>	Rechargeable UV Lamp	Portable/Rechargeable UV Lamp 365 NM, 6 watt	<b>718.19</b>

Sample of Colilert Reagent and Vessel available upon request.

### ACCESSORIES: FOR COLIFORM



Additional Water Sampling Supplies see page 151 - 152.  
UV absorbing goggles see page 125.

## 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		142.98
WCMB24-100-20	Colilert 24/Quanti-Tray Combo	pack/20		175.65
WQT-2K	Quanti-Tray 2000; 97 well format	case/100	1	203.64
			2+	182.99
WCMBCLS-2K-20	Colisure/Quanti-Tray2K Combo	pack/20		216.42
WCMBCLS-100-20	Colisure/Quanti-Tray Combo	pack/20		206.24
WCMB18-2K-20	Colilert 18/Quanti-Tray2K Combo	pack/20		202.20
WCMB24-2K-20	Colilert 24/Quanti-Tray2K Combo	pack/20		187.93
WQTSPLUS	Quanti-Tray® Sealer PLUS; one year warranty	each	1	5,890.96
			2+	4,889.58
WQTC	Quanti-Tray Comparator	each		14.63
WQT2KC	Quanti-Tray 2000 Caparator	each		15.61
WCM10	UV Viewing Cabinet	each		261.44

## 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	Qty	Qty Break	Your Cost
WENT20	20 snap packs for 100 mL water samples	1		183.32
			2+	172.53
WENT200	200 snap packs for 100 mL water samples	1		1,536.77
			2+	1,451.40
WCMBENT-100-20	20-pack of Enterolert/ Quanti-Tray Combo			206.25
WCMBENT-2K-20	20-pack of Enterolert/ Quanti-Tray2K Combo			216.52



## Prepared Media (Hach)

Choose from ready-to-use 2 mL PourRite™ glass ampules or practical plastic ampules.

Item No.	Ampule Type	Description	Test	Qty	Your Cost
<b>H26084-20</b>	Glass	m-ColiBlue24® Broth, EPA	Total Coliform/E. coli	pack/20	<b>103.97</b>
<b>H23735-20</b>	Glass	m-Endo Broth	Total Coliform	pack/20	<b>66.01</b>
<b>H24285-20</b>	Glass	m-FC Broth w/Rosolic Acid	Fecal Coliform	pack/20	<b>66.01</b>
<b>H26084-50</b>	Plastic	m-ColiBlue24® Broth, EPA	Total Coliform/E. coli	pack/50	<b>262.84</b>
<b>H23735-50</b>	Plastic	m-Endo Broth	Total Coliform	pack/50	<b>157.27</b>
<b>H23732-50</b>	Plastic	m-FC Broth	Fecal Coliform	pack/50	<b>153.84</b>
<b>H24285-50</b>	Plastic	m-FC Broth w/Rosolic Acid	Fecal Coliform	pack/50	<b>153.37</b>
<b>H24283-50</b>	Plastic	m-Green YM Broth	Yeast and Mold	pack/50	<b>157.27</b>
<b>H23738-50</b>	Plastic	m-TGE	Heterotrophic Bacteria	pack/50	<b>153.84</b>

Other MF media and packaging available on [weberscientific.com](http://weberscientific.com)



## Envirochek HV Sampling Capsules (Pall)

*For retention of Cryptosporidium and Giardia*

Field-friendly, disposable option for surface water parasite testing or other applications. They consist of a polycarbonate housing containing a polyester hydrophilic membrane. The capsule is completely self contained; the filter element does not need to be handled or cut apart, preventing cross-contamination.

The capsule method results in a smaller pellet after elution, requiring less analysis time and cost. Recovery of target organisms is typically greater than 70%, and the 1.0 µm pore size helps to eliminate false negatives.

Capsules are 100% integrity tested and serialized for traceability. Meets requirements for U.S. EPA Long Term 2 Enhanced Surface Water Treatment Rule (LT2).

Item No.	Unit of Measure	Your Cost
<b>GEL12098</b>	Pack of 25	<b>4,211.53</b>



## AquaPrep Groundwater Sampling Capsules and Devices (Pall)

*Optimized for minimal background in dissolved metals analysis of water samples.*

Easiest and most efficient way to meet filtration requirements of the U.S. EPA for 0.45µm filtration. Self-contained, disposable units eliminate the time and hazards associated with cleaning filter holders. Capsules have Metal

Analysis Certification on 48 metals printed on each package. Designed for the preparation of ground water samples for dissolved metal analysis. EFA of 19.6cm<sup>2</sup> makes AquaPrep devices perfect for samples with relatively low levels of particulate matter. Recommended for moderately silty and particulate-laden groundwater.

600 cm<sup>2</sup> effective filtration area. 6.9 cm diameter, 14.5 cm length.

Item No.	Membrane Material	Unit of Measure	Your Cost
<b>GEL12176</b>	Supor	Pack of 10	<b>587.86</b>



## 111 Glass Microfiber Filter Papers (Ahlstrom)

Fine particle retention with high filtration speed and a good loading capacity. Grade 111 is used in general laboratory filtration including atmospheric and water pollution monitoring such as intake controls,

ozone-level, and water effluents. Grade 111 is also well suited for filtration of water and protein, testing of algae, bacteria cultures, and for radioimmunoassay with weak beta emitters.

- Retention: 1.2µm
- Filtration Speed: 53 sec/100mls (Herzberg), 130 mls/min (Rapidity)
- Very High Loading Capacity
- Equivalent to Grade GF/A

Item No.	Size	Qty	Your Cost
<b>8000-01</b>	5.5 cm	Pack of 100	<b>35.29</b>
<b>8000-02</b>	7.0 cm	Pack of 100	<b>42.56</b>
<b>8000-03</b>	9.0 cm	Pack of 100	<b>60.33</b>
<b>8000-04</b>	12.5 cm	Pack of 100	<b>107.42</b>

## Sterile 47mm Gridded Disc Filters (Foxy Life Sciences)

EZBio® 47mm gridded disc filters are used for microbiology analysis of water and other liquids in the food, beverage, and pharmaceutical industries. The material of the gridded membrane is mixed cellulose ester and gridded with a 0.45µm pore size. Each gridded disc filter is sterilized by gamma irradiation and individually packaged. All materials comply with USP Class VI Standards and FDA compliances. Filter Diameter: 47mm. Filter Pore Size: .45µm. Filter Material: MCE



Item No.	Mfr. Item No.	Qty	Qty Break	Your Cost
<b>3046-06</b>	36E-3613-OEM	pk/100	1-9	<b>68.52</b>
			10+	<b>58.45</b>

### ACCESSORIES: FOR WATER AND WASTEWATER

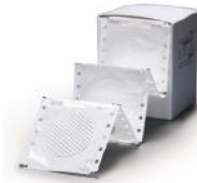


Additional Culture Media see pages 50 - 55.  
99mL Sterile Water see pages 48 - 49.



## Microsart® e.motion Sterile 47 mm Membrane Filters (Sartorius)

The Microsart® e.motion membrane filters are suitable for the use with the Microsart® e.motion dispenser. The filters are individually sterile-sealed on a band without any protective paper. The special pleating as well as the shape of the sealing of the band of membrane filters ensures a uniform dispensing of the individual membrane filters.



Designed to accurately detect and quantify *Enterococci*, *E. Coli*, *Pseudomonas aeruginosa*, and *Campylobacter* microorganisms in liquid samples. For environmental/water testing "food & beverage".

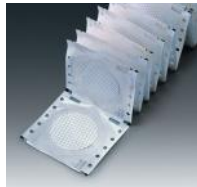
- Outstanding recovery rates for microorganisms
- 0.45 µm are acc. to ISO 7704
- Multi-fit: Fits into other dispensers
- Gamma irradiated, 25 kGray

Item No.	Mfr. Item No.	Description	Qty	Qty Break	Your Cost
3046-02	114H6Z-47-SCM	White with black grid; high flow membrane	pack/300	1	236.71
				2+	219.11

## Sterile 47 mm Membrane Filters (Sartorius)

### Outstanding recovery rates for microorganisms

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	Qty Break	Your Cost
3046-05	114H6-47-ACN	White with black grid; high flow membrane	pack/100	1-9	65.38
				Multi. of 10	52.29
3046-09	13006-47-ACN	Gray for yeast and molds	pack/100	1-9	91.87
				Multi. of 10	73.48

## 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	132.00
				Multi. of 10	106.29

## Disposable MicroFunnel™ (Pall)

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 Metrical® membrane (47 mm, 0.45 µm).

Item No.	Description	Qty	Your Cost
3053-91	MicroFunnel™	pack/50	348.65
3053-92	MicroFunnel™ adaptor	pack/3	99.84

## Sterile Petri Dishes (Pall)

**Available with or without preloaded 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	Your Cost
3053-55	7245	With absorbent pads	pk/100	68.46
3053-57	7242	Without absorbent pads	pk/100	60.45
3053-59	7232	Without absorbent pads	cs/500	209.98

## Mixed Cellulose Ester Circle ME25 Range Membranes (Whatman)

Composed of cellulose nitrate. These membranes are characterized by a smoother and more uniform surface than pure nitrocellulose filters and the color contrast provided by the filter surface facilitates particle detection to minimize eye fatigue. The ME range has a lower cellulose acetate content compared to the WME range of membranes. Sterile for critical applications.

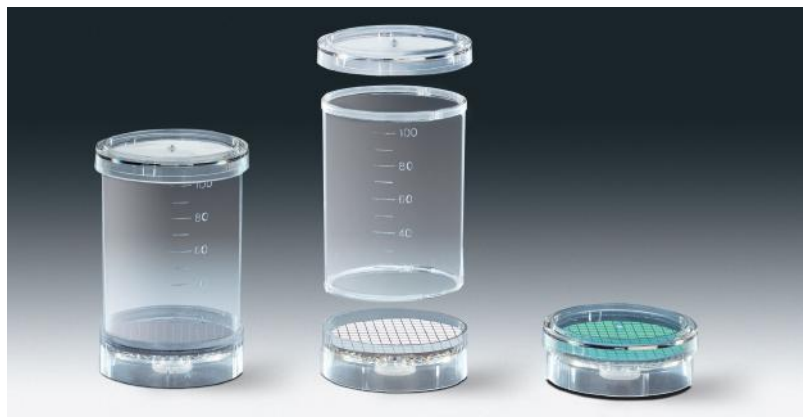
Item No.	Mfr. Item No.	Qty	Your Cost
3053-42	White/Black Grid 3.1mm, Sterile, 0.45µm, 47mm	Pack of 1000	1,039.00



## Membrane Tweezers (Sartorius)

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.

Item No.	Mfr. Item No.	Your Cost
3046-35	16625	60.70



## 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


**3048-20**

## 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®, 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>888.72</b>

## Hand Vacuum Pump

Reads in both cm and inches of mercury. Easy vacuum release valve with disconnecting the pump.



Item No.	Pump Rate	Your Cost
<b>3053-66</b>	15mL/stroke	<b>60.16</b>

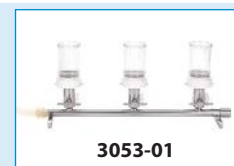
Item No.	Mfr Item No.	Description	Pore Size	Qty	Qty Break	Your Cost
<b>3046-30</b>	16401-47-06-VK	Monitor with 47 mm white membranes and black grid. Packaged 2 layers of 24	0.45 µm	Case/48	1 2+	<b>104.52</b> <b>86.20</b>
<b>3046-31</b>	16403-47-06-VK	Monitor with 47 mm gray (black when wet) membranes and white grid. Packaged 2 layers of 24	0.45 µm	Case/48	1 2+	<b>104.52</b> <b>86.20</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	1 2+	<b>215.56</b> <b>177.73</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		<b>138.47</b>
<b>3046-29</b>	16403-47-06-K	Monitor with 47 mm gray (black when wet) membranes and white grid. Packaged 4 bags of 12	0.45 µm	Case/48		<b>140.48</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		<b>204.78</b>
<b>3048-20</b>	17846-ACK	Nylon Hydrophilic Syringe filters Individ. wrapped. 25 mm dia.	0.45µm	pack/50		<b>125.81</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	1 2+	<b>134.66</b> <b>111.03</b>
<b>3046-33</b>	16414	Monitor Adapter, silicone		each		<b>21.26</b>



## Filter Unit, Type A (Nalgene)

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>166.55</b>



Find Filter Manifolds at [weberscientific.com](http://weberscientific.com)

## ACCESSORIES: MEMBRANE FILTRATION



60 x 15 mm Petri Dishes see page 41.

## Filtering Bottle, 10000ml Borosilicate Glass (United Scientific)

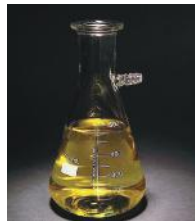
With its thick glass walls and sturdy construction, this 10L bottle/flask is perfect for filtering large volumes of liquid. The thick walls and design enables this flask to withstand vacuum filtration without imploding. Graduated in 1000ml increments on a scale from 2000ml to 8000ml with an accuracy of +/- 5%. Neck size fits a #13 rubber stopper. The hose barb has an O.D. of 1/2".



Item No.	Mfr Item No.	Description	Your Cost
2058-08	FFB5340-10000	Filtering Bottle, 10000ml	353.44
3061-50	RST13-H	# 13 Rubber Stopper with one hole for Filtering Bottle	15.28

## 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	29.53
			2+	19.88
2058-11	1000	138 x 245	1	44.04
			2+	29.48

## 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.	Description	Mfr Item No.	Your Cost
2058-12	Flask	389410000	50.50
2058-13	Tubing coupler connects item 2058-12 (polypropylene flask) with 3053-66 (hand vacuum pump)		1.01

## 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		11.14
2058-29	Stopper fits 2058-10		9.25
2058-30	Stopper fits 2058-11		10.03

## MicroCheck® II Beverage Monitors (Pall/Gelman)

### Easy-to-use Disposable Filter Funnel to Meet Microbial Analysis Needs for Beverages

- Can convert to a Petri dish for culturing or easily remove the membrane for placing on separate agar dish.
- Ready to use; simply remove from box and place directly on a filter manifold. No need for rubber stoppers or adapters.
- Volume graduations are marked clearly for easy reading
- Volume graduations marked externally on the funnel to prevent potential hold-up of organisms, meets guidelines listed in Standard Methods for the Analysis of Water and Wastewater, current edition.
- Sterilization, Gamma Irradiated



Item No.	Mfr Item No.	Pore Size	Details	Qty.	Your Cost
3054-00	4761	0.45 µm	Monitor with 47 mm white GN-6 Metrical membrane, Black grid	Case/50	168.69
3054-04	4763	0.45 µm	Monitor with 47 mm Metrical black membrane, white grid	Case/50	163.93
3054-06	4764	0.8 µm	Monitor with 47 mm Metrical black membrane, white grid	Case/50	163.93

## 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	Your Cost
3053-73	4247	150	293.97
3053-75	4242	300	330.97
3053-77	4238	500	432.39

## Tygon® S3™ E-3603 Laboratory Tubing

### Phthalate-free Formulation

- Outstanding chemical resistance
- Contains no BPA or phthalates
- Hold U.C. 5 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	6.13
			Multi.of 50	4.12
3058-21	3/8" ID x 9/16" OD x 3/32" Wall (for use with 2058-12)	1 foot	1-49	8.30
			Multi.of 50	5.73





## 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
<b>3065-12</b>	<b>159.22</b>

### Accessories:

Item No.	Description	Your Cost
<b>3065-14</b>	Bottom section w/ valve	<b>83.92</b>
<b>3065-15</b>	Extension sections,each	<b>53.53</b>
<b>3065-16</b>	Top section w/rope	<b>52.61</b>
<b>3065-90</b>	6' Spiral brush	<b>47.15</b>

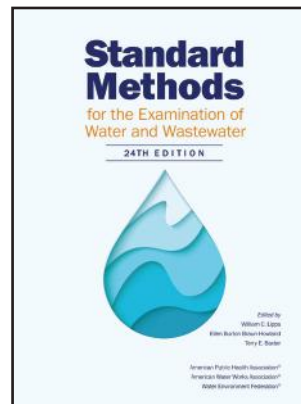


## EASY PLATE PREPARED MEDIA



**Coliform (5300-51) &  
E. coli / Coliform (5300-52)**

**See more on page 43**



## Standard Methods for the Examination of Water and Wastewater, 24th Edition

Weber Scientific always strives to bring you the latest edition of the Standard Methods for the Examination of Water and Wastewater.

In the 24th edition (2022), more than 90% of methods were revised to clarify procedures, update nomenclature, and ensure consistency from the 23rd edition (2017). Four entirely new sections provide much-needed information on biological toxin analysis, the determination of hydrogen peroxide and peracetic acids, and the detection of *Naegleria*

*fowleri*. This edition also boasts a major reorganization in three parts, making methods easier to access.

Published by the American Public Health Association, American Water Works Association, and Water Environment Federation, Standard Methods for the Examination of Water and Wastewater, 24th edition, is the culmination of thousands of hours of volunteer effort by experts in the field of environmental water analysis.

Updates to the 24th edition include:

- 10 new or updated methods across Part 7000 Radioactivity
- 11 new or updated methods in Part 4000 Inorganic Nonmetallic Constituents
- 45 new or updated methods across Part 9000 Microbiological Examination
- 4 new sections (9750 *Naegleria fowleri*; 4500-H<sub>2</sub>O<sub>2</sub> Hydrogen Peroxide; 4500-PAA Peracetic Acid; 10110 Algal Toxin Analysis: MC and NOD)
- 82 new or updated methods in total

Item No.	Your Cost
<b>3069-70</b>	<b>426.62</b>