



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

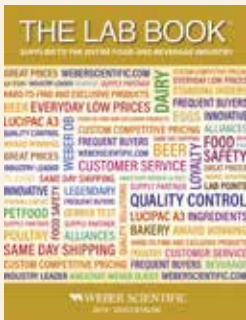
Weber Scientific distributes laboratory supplies and equipment throughout North America and is focused on the specialized testing needs of the food and beverage industries.

This 51-page Brewing Industry Catalog features some of our most popular products for the brewer's lab. You'll find many more specialized products by browsing our extensive online buyer's guide at weberscientific.com. And if you can't find what you're looking for, please let us know! We welcome the opportunity to quote on your special requests.

- **Legendary for great prices.** We offer some of the best prices in the industry without committing to any complicated or long-term contracts.
- **Free freight upgrades.** Receive expedited service nationwide at our expense – not yours.
- **Frequent Buyers Program.** Our way to express appreciation for your continued support.
- **100% Satisfaction Guarantee.** Count on it! We've worked hard since 1959 to earn your trust.

CONTENTS

| | |
|-------------------------------|----|
| ATP Testing | 3 |
| Allergen Testing | 5 |
| Microscopy | 6 |
| Bacteriological Testing | 8 |
| Labware | 20 |
| Consumables | 26 |
| Apparatus | 27 |
| Analytical Equipment | 36 |
| Thermometers | 45 |
| Chemicals | 46 |
| Water Testing | 47 |
| Ordering Information | 51 |



Weber Scientific 2019-20 Catalog

Be certain to request your FREE copy of this essential 265-page buyer's guide dedicated to Food, Beverage and Water Testing Equipment and Supplies.

To request your FREE copy ...

Call 800-328-8378 8:00 a.m. to 5:00 p.m. Eastern Time (or 609-584-7677)

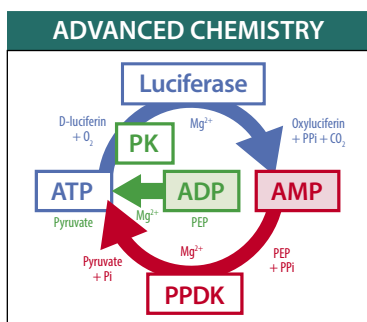
Or go online at www.weberscientific.com/literature

LuciPac™ A3 Sanitation System (Kikkoman)

Only Kikkoman's new LuciPac 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

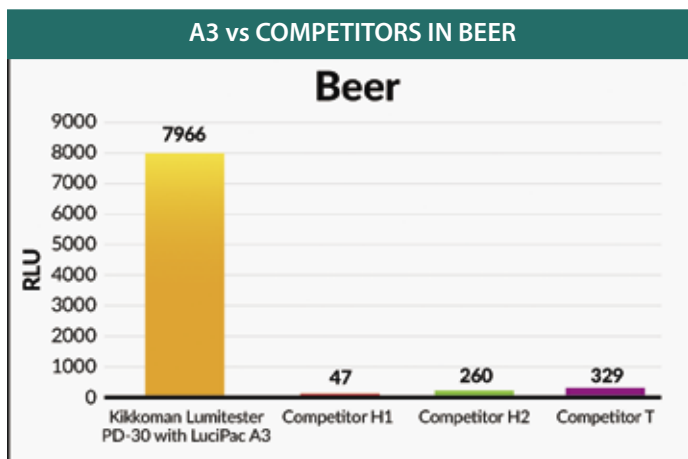
Independent laboratory testing confirms that the Kikkoman A3 technology provides detection of residues at levels much lower than other tests on the market. Using residue from many different foods, laboratory testing proved that Kikkoman A3 technology produced a test result (relative light units - RLU) 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 bio-films. 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.



Detection - LuciPac 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 LuciPac A3 showed superior sensitivity and stability for detection of food residues compared to competitive ATP tests.

Contact us to find out what you've been missing and receive our FREE white paper.

NOW AOAC approved

The most advanced sensitivity and detection sanitation hygiene system available

Features

- Highly cost effective sanitation monitoring
- 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

- No scheduled yearly maintenance necessary
- Available Calibration Control Kit for in-house confirmation of calibration
- Powerful software included
 - Connects to software via USB
- 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
- 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)

SPECIAL OFFER

Own the LuciPac™ Lumitester™ for FREE!

Simply commit to purchase one hundred swabs per month for a full year and we'll give you an instrument at no charge. Please contact us for more information.



Also available is a Trade Up Program

Learn more about switching and the LuciPac™ Lumitester™ Trade Up Program from any competitive luminometer system.

Switch systems and save!

| Item No. | Description | Qty | Qty Break | Your Cost |
|----------|--|---------------------------------|-----------|----------------|
| 5300-00 | LuciPac™Lumitester™ | | 1 | 1282.93 |
| | | | 2+ | 1100.00 |
| 5300-10 | LuciPac™ A3 Pen Swab System | Case/100 (20 x 5 aluminum bags) | 1 | 235.48 |
| | | | 2+ | 219.06 |
| 5300-15 | LuciPac™ A3 Pen Aqua Swab System – layered flange tip for water sampling Total ATP | Case/100 (20 x 5 aluminum bags) | 1 | 235.48 |
| | | | 2+ | 219.06 |
| 5300-20 | Lumitester™ Control Kit | | | 515.00 |



EnSURE™ Multi-Parameter Luminometer (Hygiena)

EnSURE™ is a quality monitoring system that uses one instrument platform to collect, analyze, and report data from multiple quality indicators. Using new state-of-the-art technology and patented designs, the EnSURE system is a simple-to-use, flexible, and accurate quality monitoring system.

- **Rapid results**
 - 15 seconds for ATP
 - 7 hours or less for microbes
- **Sensitive detection levels**
 - To 0.1 femtomoles of ATP with Supersnap
 - To 1-5 CFU for microbes
 - 2X more sensitive than systemSURE PLUS
- **Memory capacity**
 - 100 test plans
 - 2000 user IDs
 - 5000 test locations



SystemSURE Plus™ Sanitation Monitoring System (Hygiena)

Specifically for ATP Hygiene Monitoring

- Detects to 1.0 femtomoles of ATP
- Has most of the other features as the EnSURE instrument for ATP analysis
- One year warranty

| Item No. | Mfr Item No. | Description | List Price |
|----------|--------------|-----------------------------------|------------|
| 3661-72 | ENSURE | EnSURE Luminometer | 1759.50 |
| 3661-80 | SS3 | SystemSURE Plus | 1526.65 |
| 3661-82 | CABLEUBS | Smart UBS Cable w/Driver Software | 42.65 |

ATP Hygiene Monitoring Swabs (Hygiena)

All-in-one test which detects low levels of ATP (Adenosine Triphosphate)



SuperSnap™ is super sensitive.

- High Sensitivity – 4X more sensitive than UltraSnap

| Item No. | Mfr Item No. | Description | Qty | List Price |
|----------|--------------|-------------|----------|------------|
| 3661-76 | SUS300 | SuperSnap | case/100 | 271.85 |



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 | List Price |
|----------|--------------|-------------------------------|----------|------------|
| 3661-75 | US2020 | Ultrasnap | case/100 | 229.20 |
| 3661-91 | PCD4000 | Positive/Negative Control Set | each | 346.50 |
| 3661-92 | CK25 | Positive Control Kit | pack/25 | 95.95 |
| 3661-87 | SSCC03 | Swab Cooler | each | 37.35 |

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



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.

Product Features

- Detects down to 103 CFU
- Easy-to-use Snap-Valve™ technology - snap & squeeze
- 15 month shelf life at refrigerated temperatures (2-8°C)
- 4 week shelf life at room temperature (21-25°C)
- Results in 15 seconds

Applications

- CIP systems
- Water quality assessment
- Bioburden testing

| Item No. | Description | Mfr. Item No. | Qty | Qty Break | List Price |
|----------|-------------|---------------|----------|-----------|------------|
| 3661-95 | Total ATP | AQ-100X | pack/100 | 1 | 252.70 |
| 3661-96 | Free ATP | AQ-100FX | pack/100 | 1 | 252.70 |

PRO-Clean™ Rapid Protein Food Residue Test (Hygiena) S
 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 | List Price |
|----------|----------|------------|
| 3660-70 | pack/100 | 207.90 |



ALLERGEN TESTING

Gliadin Competitive Allergen Test Kit (RIDASCREEN®/r-biopharm)

The world's only gluten test for beer

Use for the analysis of fermented and hydrolyzed food (e.g. beer, starch syrup, starch, malt extract, sour-dough, soy sauce) which are declared as "gluten-free". The competitive enzyme immunoassay quantitates peptide fragments of prolamins from wheat (gliadins), rye (secalin) and barley (hordein). The used R5 monoclonal antibody recognizes, among others, the potentially toxic sequence QQFPF, which occurs repeatedly in the prolamins molecules.



The official standard method for gluten determination, according to the Codex Alimentarius, is an ELISA which uses the R5 antibody (Mendez); this requirement is fulfilled by this test. Single, small peptide sequences (motifs) cannot be detected by a sandwich ELISA format, because at least two epitopes are necessary for a sandwich ELISA. However, with a competitive format, single peptide fragments can be detected. The RIDASCREEN® standard material is a hydrolysate (mixture of wheat, rye and barley).

There is no cross-reaction with soy, oats, corn, rice, millet, teff, buckwheat, quinoa and amaranth.

The RIDASCREEN® Gliadin Competitive is approved by the following associations:

- AACCI 38-55.01
- TTB ruling number 2012-2 for beer
- AOECs Standard R5 ELISA for hydrolyzed food
- MEBAK Method 2.6.5 beer analysis

Specifications

| | |
|--------------------------|--|
| Test Format | Microtiter plate with 96 wells (12 strips with 8 removable wells each) |
| Standard Range | 0 ng/ml (zero standard), 10 ng/ml, 30 ng/ml, 90 ng/ml, 270 ng/ml gliadin |
| Sample Preparation | homogenization, extraction |
| Incubation Time | 40 min |
| Detection Limit | Limit of detection: 1.36 mg/kg (ppm) Gliadin |
| Limit of quantification: | 5 mg/kg (ppm) Gliadin |

| Item No. | Description | Qty | Your Cost |
|----------|---------------------------------------|------|-----------|
| 3665-38 | Gliadin Competitive Allergen Test Kit | each | 600.00 |

MICROSCOPY



Mobile Device Mount for Microscopes

- Easily mount your mobile device to your microscope eyepiece
- Flexible design is compatible with most mobile phones on the market
- Capture quality images of what you're seeing through your eyepiece on your microscope with ease

Attaches to any microscope eyepiece with an outer diameter 23.2mm or larger, creating a mount that is compatible with almost any standard microscope on the market.

| Item No. | Mfr Item No. | Your Cost |
|----------|--------------|-----------|
| 2003-69 | AD-TMD | 32.84 |



2003-12

2003-14



2003-20

2003-30



2003-50



2003-25

Economy Clinical Microscopes (VanGuard)

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

Brightfield Compound Microscopes (VanGuard)

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



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

| Item No. | Mfr Item No. | List Price | % Off List | Your Cost |
|----------|--------------|------------|------------|----------------|
| 2003-12 | 1113AML | 756.00 | 30 | 529.20 |
| 2003-14 | 1220CM | 935.00 | 30 | 654.50 |
| 2003-20 | 1221CM | 1355.00 | 30 | 948.50 |
| 2003-30 | 1421BRI | 1908.00 | 30 | 1335.60 |
| 2003-50 | 1431BRI | 2007.00 | 30 | 1404.90 |
| 2003-25 | 1223CM | 1950.00 | 30 | 1365.00 |



Hemocytometer for Cell Counting

ASBC Method for microscopic yeast cell counting

An H-shaped moat form two counting areas, or plateaus. A "V" slash reduces the possibility of overflow.

Cell Depth: 0.100mm +/- 2% (1/10mm)

Volume: 0.1 Microliter

Ruling Pattern: Improved Neubauer, 1/400 Square mm

Rulings cover 9 square millimeters. Boundary lines of the Neubauer ruling are the center lines of the groups of three. The central square millimeter is ruled into 25 groups of 16 small squares, each group separated by triple lines, the middle one of which is the boundary. The ruled surface is 0.10mm below the cover glass, so that the volume over each of the 16 small squares is .00025 cubic mm.



| Item No. | Description | Qty | Your Cost |
|----------|---------------------------------------|---------|-----------|
| 3048-12 | Hemocytometer with standard lines | each | 125.13 |
| 3048-11 | Hemocytometer with bright lines | each | 182.88 |
| 3048-13 | Cover slips, 20 x 26 mm, 0.4 mm thick | pack/10 | 31.99 |

Methylene Blue 1% Stain

Widely used for many general staining procedures.

| Item No. | Size | Your Cost |
|----------|--------|-----------|
| 3047-03 | 500 mL | 26.99 |




Gram Stain Kit (BD Diagnostics)

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



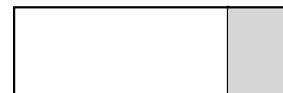
| Item No. | Qty/pk | List Price | % Off List | Your Cost |
|----------|--|------------|------------|-----------|
| 2004-78 | 4-step four 250 mL bottles (with stabilized Gram Iodine, Crystal Violet, Safranin and Decolorizer) | 62.57 | 10 | 56.31 |

Gram Stain Replacement Components (BD Diagnostics)

| Item No. | Mfr Item No. | Description | Qty/pk | Your Cost |
|---|--------------|--------------------|------------|-----------|
|  2004-80 | 212527 | Decolorizer | 4 X 250 mL | 54.81 |
|  2004-82 | 212525 | Crystal Violet | 4 X 250 mL | 61.19 |
|  2004-84 | 212531 | Safranin | 4 X 250 mL | 57.41 |
| 2004-87 | 212542 | Iodine, stabilized | 4 X 250 mL | 67.31 |

Microscope Slides, Disposable

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



| Item No. | Qty | List Price | % Off List | Qty Break | Your Cost |
|----------|-------|------------|------------|-----------|-----------|
| 2011-01 | pk/72 | 21.02 | 50 | 1-19 | 10.51 |
| | | | 60 | 20+ | 8.41 |

#1 Cover Glasses

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

| Item No. | Qty | List Price | % Off List | Qty Break | Your Cost |
|----------|---------|------------|------------|-------------|-----------|
| 2012-25 | 1 oz/pk | 25.42 | 50 | 1-9 | 12.71 |
| | | | 62 | mult. of 10 | 9.66 |



Lens Paper

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

| Item No. | List Price | % Off List | Qty Break | Your Cost |
|----------|------------|------------|-----------|-----------|
| 2033-04 | 2.72 | 20 | 1-9 | 2.18 |
| | | 40 | 10+ | 1.63 |



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 | 41.51 |

Hand Tally Counter

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

| Item No. | List Price | % Off List | Qty Break | Your Cost |
|----------|------------|------------|-----------|-----------|
| 3045-05 | 45.00 | 76 | 1-4 | 10.80 |
| | | 81 | 5+ | 8.55 |





3091-10



3091-20



3091-15

Brew Plate™ Microbe Testing Kits (Bioplast Manufacturing)

The easy-to-use beer testing kits are engineered to detect microbes that spoil beer during the brewing process, saving the brewer valuable time and money. The kits consist of various pre-filled plated agar based media, tubes and other supplemental items that allow the brewer to detect a broad collection of wild yeast strains, aerobic bacteria and anaerobic bacteria. Each kit is designed to provide the ability to test each batch at up to five different testing points. If contamination is found, the brewer can send in the provided ID return sample transport pack to Brew Plate Laboratories for complimentary microbe identification.

- Convenient and easy-to-use
- Test each batch at up to five different testing points in the brewing process

Complimentary microbe identification with each kit purchased

The Silver Microbe Testing Kit offers a broad-spectrum media (LMDA) that allows the brewer to detect the major wild yeasts and bacteria strains known to cause contamination during the brewing process.

The Gold Microbe Testing Kit provides five plates (each with four quadrants) and five tubes of semi-solid media.

The Platinum Microbe Testing kit provides five sets of three plates each (15 plates)

Each kit contains a plate for yeast (quad-plate), aerobic bacteria (bi-plate), and anaerobic bacteria (bi-plate).

| Item No. | Mfr. Item No. | Description | Your Cost |
|----------|---------------|---|-----------|
| 3091-10 | BREWPLT-SILV | Brew Plate™ Silver Kit: 5 Plates - 5 Testing Points - 1 Free ID | 99.00 |
| 3091-20 | BREWPLT-GOLD | Brew Plate™ Gold Kit: 5 Plates - 5 Tubes - 5 Testing Points - 1 Free ID | 119.00 |
| 3091-15 | BREWPLT-PLAT | Brew Plate™ Platinum Kit: 15 Plates - 5 Testing Point - 1 Free ID | 139.00 |

Brew Plate™ Bulk Sleeve - Aerobic Bi-Plate (Bioplast Manufacturing)

These plates are used for the detection of aerobic (lives with oxygen) bacterial contamination found in your brew.

Quadrant 1: Lee's Multi-Differential Agar (LMDA) detects bacteria and yeast contamination. LMDA detects lactic acid producing bacteria including Lactobacillus and Acetobacter species, which produce acids that change the media color from green to yellow.

Quadrant 2: MacConkey Agar (MAC) detects enteric or coliform bacteria, including E.coli and Klebsiella species.



| Item No. | Mfr Item No. | Description | Qty | Your Cost |
|----------|-------------------|------------------|-----------------------|-----------|
| 3091-34 | BREWPLT-BULK-AEBP | Aerobic Bi-Plate | 25 Plates - 1 Free ID | 74.00 |

Brew Plate™ Bulk Sleeve - Anaerobic Bi-Plate (Bioplast Manufacturing)

These plates are used for the detection of anaerobic (lives without oxygen) bacterial contamination found in your brew.

Quadrant 1: Lee's Multi-Differential Agar (LMDA) detects bacteria and yeast contamination. LMDA detects lactic acid producing bacteria including Lactobacillus and Acetobacter species, which produce acids that change the media color from green to yellow.

Quadrant 2: Hsu's Lactobacillus/Pediococcus Agar (HLP) detects Lactobacillus and Pediococcus bacteria, major bacterial contaminants encountered during the brewing process. For optimal growth, an anaerobic gas generator sachet should be used during incubation.



| Item No. | Mfr Item No. | Description | Qty | Your Cost |
|----------|-------------------|--------------------|-----------------------|-----------|
| 3091-32 | BREWPLT-BULK-ANBP | Anaerobic Bi-Plate | 25 Plates - 1 Free ID | 74.00 |

Brew Plate™ Bulk Sleeve - Yeast Aerobic Bi-Plate (Bioplast Manufacturing)

These plates are used to detect the most common yeast and bacterial species that may contaminate your brew.

Quadrant 1: Contains an antibiotic, Chloramphenicol, which prevents the growth of bacteria and selects for the growth of yeast.

Quadrant 2: Contains an antifungal, Cycloheximide, which prevents the growth of yeast and selects for the growth of bacteria.



| Item No. | Mfr Item No. | Description | Qty | Your Cost |
|----------|-------------------|------------------------|-----------------------|-----------|
| 3091-28 | BREWPLT-BULK-YABP | Yeast Aerobic Bi-Plate | 25 Plates - 1 Free ID | 74.00 |

Brew Plate™ Bulk Sleeve - Yeast Aerobic Quad Plate (Bioplast Manufacturing)

These plates are used for the detection of both yeast and bacterial contamination found in your brew.

Quadrant 1: Lin's Cupric Sulfate Media (LCSM) detects non-Saccharomyces wild yeast and inhibits the growth of brewer's yeast.

Quadrant 2: Lee's Multi-Differential Agar (LMDA) detects bacteria and yeast contamination. LMDA detects lactic acid producing bacteria including Lactobacillus and Acetobacter species, which produce acids that change the media color from green to yellow.

Quadrant 3: Lin's Wild Yeast Media (LWYM) detects all wild yeast including wild Saccharomyces strains and inhibits brewer's yeast.

Quadrant 4: Wallerstein Nutrient Media (WLN) is non-selective and detects all wild yeast, pitching yeast and some bacterial strains that are common brew contaminants.



| Item No. | Mfr Item No. | Description | Qty | Your Cost |
|----------|-------------------|--------------------------|-----------------------|-----------|
| 3091-26 | BREWPLT-BULK-YAQP | Yeast Aerobic Quad Plate | 25 Plates - 1 Free ID | 74.00 |

Brew Plate™ Bulk Sleeve - Funk Quad Plate (Bioplast Manufacturing)

These plates are used for the detection of all yeasts and bacteria found in your funky brew.

- Allows the brewer to detect a broad collection of wild yeast strains
- Plated agar
- Send in the sample to Brew Plate Laboratories for microbe identification



Each quadrant is made up of different media that detects various species.

Quadrant 1: Wallerstein Nutrient Media (WLN) is non-selective and detects all wild yeast, pitching yeast and some bacterial strains that are common in brew.

Quadrant 2: Lee's Multi-Differential Agar (LMDA) detects lactic acid producing bacteria including Lactobacillus and Acetobacter species. Acid producers are easily detected by a change in the media color from green to yellow.

Quadrant 3: Hsu's Lactobacillus/Pediococcus Agar (HLP) detects Lactobacillus and Pediococcus bacteria. For optimal growth, an anaerobic gas generator sachet should be used during incubation.

Quadrant 4: Lin's Cupric Sulfate Media (LCSM) detects non-Saccharomyces wild yeast and inhibits the growth of brewer's yeast.

| Item No. | Mfr Item No. | Description | Qty | Your Cost |
|----------|-------------------|-----------------------|-----------------------|-----------|
| 3091-36 | BREWPLT-BULK-FNQP | 25 Plates - 1 Free ID | 25 Plates - 1 Free ID | 74.00 |

Brew Plate™ Bulk Sleeve - Yeast Quad Plate (Bioplast Manufacturing)

These plates are used for the detection of all yeast contamination found in your brew.

Each quadrant is made up of different media that detect various species of yeast.



Quadrant 1: Lin's Cupric Sulfate Media (LCSM) detects non-Saccharomyces wild yeast and inhibits the growth of brewer's yeast.

Quadrant 2: Lin's Wild Yeast Media (LWYM) detects all wild yeast including wild Saccharomyces strains and inhibits brewer's yeast.

Quadrant 3: Lysine Media (LM) detects all wild yeast strains, including strains that may not grow on the Lin's media.

Quadrant 4: Wallerstein Nutrient Media (WLN) is non-selective and detects all wild yeast, pitching yeast and some bacterial strains that are common brew contaminants.

| Item No. | Mfr Item No. | Description | Qty | Your Cost |
|----------|-------------------|-----------------------|-----------------------|-----------|
| 3091-24 | BREWPLT-BULK-YQPL | 25 Plates - 1 Free ID | 25 Plates - 1 Free ID | 74.00 |

Brew Plate™ Bulk Sleeve - HLP Tubes (Bioplast Manufacturing)

These tubes are filled with semi-solid Hsu's Lactobacillus/Pediococcus Agar (HLP) used for the detection of anaerobic (lives without oxygen) bacterial species that contaminate your brew.

HLP semi-solid agar detects Lactobacillus and Pediococcus bacteria, which are the major bacterial contaminants encountered during the brewing process. A sample placed within the HLP semi-solid agar allows for anaerobic-like (microaerophilic) conditions, which is an optimal growth condition for these bacteria.



| Item No. | Mfr Item No. | Qty | Your Cost |
|----------|-------------------|---------|-----------|
| 3091-30 | BREWPLT-BULK-HLPT | pack/25 | 74.00 |

Brew Plate™ Digital Incubator (Bioplast Manufacturing)

The Brew Plate Digital Incubator is 115V, weighs 15lbs and is compact at 13.2 x 14.5 x 18.7 inches. The incubator provides a clean, temperature controlled environment for the growth of organisms including yeast and bacteria. Set the temperature to 30°C and incubate brew plates for the most efficient growth results.



| Item No. | Mfr Item No. | Your Cost |
|----------|-------------------|-----------|
| 3091-05 | BREWPLT-DIGINCU-H | 399.00 |



Farber Pham Diastatic Medium (FPDM)

Features of this new medium:

- A wide variation of diastaticus strains will grow on FPDM, including those that will not grow on LCSM, as confirmed by PCR analysis
- FPDM promotes stronger growth of diastaticus colonies as compared to LCSM alone
- Growth becomes visible as soon as 48 hours after inoculation when incubated at 30°C
- FPDM is confirmed to inhibit multiple strains of traditional brewing yeast
- Samples can be taken from fermenting beer, finished beer, yeast slurries, and environmental swabs
- Diastaticus strains which promote over-attenuation produce zones of clearing around colonies, allowing easier identification
- FPDM will detect diastaticus strains regardless of the strain's ability to sporulate or over-attenuate

In conjunction with University of the Sciences, Weber Scientific is pleased to announce the launch of a novel microbiological media for the detection and enrichment of *Saccharomyces cerevisiae* var. *diastaticus*. *Saccharomyces cerevisiae* var. *diastaticus* is a wild yeast contaminant which represents a major beer spoilage threat. Product contamination has led to costly product recalls as infection may lead to off-flavors, over-attenuation, and over-carbonation, potentially causing gushing beer, exploding packages, or non-compliance with federal reporting of alcohol by volume. Unlike Lin's Cupric Sulfate Medium (LCSM), this new formulation supports growth of all diastaticus strains tested and inhibits the growth of traditional brewer's yeast. Brewers can now access a quick and reliable method to test for diastaticus contamination at all points of the brewing process.







| Item No. | Description | Qty | Your Cost |
|----------|--------------------------------|-----------|-----------|
| 3118-90 | Farber Pham Diastaticus Medium | 500 grams | 185.00 |



Beer Culture Media

Culture Media for the Brewing Industry For the cultivation of microorganisms of significance

Choose from a wide selection including UBA, WL Nutrient and Differential, Barney Miller and many more.

| Description | Brand | Qty | Mfr Item No. | Weber Item No. | List Price | % Off List | Your Cost |
|--|-------------------|----------|--------------|----------------|------------|------------|---------------|
| Bacteriological Agar | Alpha Biosciences | 500 gram | A01-102 | 3116-12 | 167.41 | 50 | 83.71 |
| Barney Miller Agar | Alpha Biosciences | 500 gram | B02-125 | 3116-20 | 208.54 | 30 | 145.98 |
| For detection of beer spoilage organisms. | Alpha Biosciences | 2 Kg | B02-125 | 3116-21 | 729.61 | 30 | 510.73 |
| Crystal Violet Stock Solution  | Weber | 100 ML | | 3118-12 | | | 9.95 |
| For use with Lin's Wild Yeast Medium (LWYM) Item# 3118-11 | | | | | | | |
| Cycloheximide Crystals  | Ameresco | 5 gram | 94271-5G | 3118-61 | | | 121.58 |
| Ultra pure media antibiotic for inhibition of brewing yeast. | Ameresco | 1 gram | 94271-1G | 3118-60 | | | 53.21 |
| HLP Medium (Hsu's Lactobacillus and Pediococcus Medium) | Weber | 500 gram | | 3118-05 | 133.18 | 20 | 106.54 |
| Allows for the detection of Lactobacillus and Pediococcus species, while restricting the growth of culture yeast. | | | | | | | |
| LCSM (Lin's Cupric Sulfate Medium)  | Weber | 500 gram | | 3118-08 | 260.08 | 30 | 182.06 |
| For detection and quantification of non-saccharomyces wild yeast populations in brewing culture yeast. | | | | | | | |
| LMDA (Lee's Multi-Differential Agar)  | Weber | 500 gram | | 3118-17 | 111.94 | 20 | 89.55 |
| Used for the detection and enumeration of yeast and bacteria in the beer. | | | | | | | |
| LWYM (Lin's Wild Yeast Medium)  | Weber | 500 gram | | 3118-11 | 260.08 | 30 | 182.06 |
| For detection and quantification of saccharomyces wild yeast populations in brewing culture yeast. | | | | | | | |
| MacConkey Agar | BBL | 500 gram | 211387 | 3087-23 | 97.39 | 15 | 82.78 |
| | Alpha Biosciences | 500 gram | M13-106 | 3116-47 | 71.15 | 30 | 49.81 |
| Malt Extract Agar | Difco | 500 gram | 211220 | 3087-26 | 132.55 | 15 | 112.67 |
| Isolating, cultivating and enumerating yeasts and molds. | Alpha Biosciences | 500 gram | M13-113 | 3116-51 | 103.72 | 30 | 72.60 |
| MRS Agar | Difco | 500 gram | 288210 | 3097-43 | 122.92 | 15 | 104.48 |
| Isolation and cultivation of Lactobacilli. | Alpha Biosciences | 500 gram | L12-103 | 3116-36 | 91.26 | 50 | 45.63 |
| MRS Broth | Alpha Biosciences | 500 gram | L12-104 | 3116-33 | 81.91 | 50 | 40.96 |
| Broth Formulation of MRS agar for cultivation of Lactobacilli. | Difco | 500 gram | 288130 | 3095-45 | 105.95 | 15 | 90.06 |
| Nutrient Broth | Difco | 100 gram | 233000 | 3097-79 | 55.71 | 15 | 47.35 |
| Cultivation of microorganisms. | Difco | 500 gram | 234000 | 3097-77 | 126.50 | 15 | 107.53 |
| | Alpha Biosciences | 500 gram | N14-103 | 3116-56 | 82.50 | 50 | 41.25 |
| | Alpha Biosciences | 2 Kg | N14-103 | 3116-57 | 328.90 | 50 | 164.45 |
| Universal Beer Agar | Difco | 500 gram | 285610 | 3097-60 | 128.94 | 20 | 103.15 |
| Cultivation of microorganisms significant in the brewing industry | Alpha Biosciences | 500 gram | U21-100 | 3116-26 | 102.28 | 30 | 71.60 |
| | Alpha Biosciences | 2 Kg | U21-100 | 3116-27 | 390.29 | 30 | 273.20 |
| WL Differential Agar (WLD Medium) For use in the selective isolation of bacteria encountered in brewing and industrial fermentation processes. | Criterion | 500 gram | C7291 | 3115-81 | 98.27 | 30 | 68.79 |
| WLD Medium  (Wallerstein Laboratories Differential Medium) | Weber | 500 gram | | 3118-20 | 66.95 | 44 | 37.49 |
| For selective isolation and enumeration of bacteria encountered in breweries and industrial fermentations. | | | | | | | |
| WL Nutrient Agar (WLN Medium) For the cultivation of yeasts, molds and bacteria encountered in brewing and fermentation processes. | Alpha Biosciences | 500 gram | W23-102 | 3116-28 | 40.16 | 35 | 26.10 |
| | Alpha Biosciences | 2 Kg | W23-102 | 3116-29 | 145.98 | 35 | 94.89 |
| Wort Agar | Difco | 500 gram | 211671 | 3097-85 | 135.43 | 15 | 115.12 |
| Cultivation and enumeration of yeasts | | | | | | | |
| Yeast Extract | Alpha Biosciences | 500 gram | Y25-101 | 3116-81 | 80.43 | 60 | 32.17 |
| Provides a maximum of nutrients for bacterial growth. | | | | | | | |



NBB® Prepared Culture Media for Beer (Döhler)

Ready-to-use agar or broth



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

Suitable for detection in:

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

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

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

NBB-A, Agar

Solid agar medium for pouring agar plate after simple liquefaction.

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

NBB-B, Broth

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

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

NBB-C, Concentrated Broth

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

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

NBB-B-AM, Broth

Liquid culture medium for detection of indicator bacteria from biofilms.

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

Specifications

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

| Item No. | Mfr Item No. | Description | Qty. | Your Cost |
|----------------|--------------|---|------------|---------------|
| 3118-75 | 2.04709.782 | NBB-A Glass Bottles | 9 x 250 mL | 102.70 |
| 3118-76 | 2.04710.782 | NBB-B Glass Bottles | 9 x 250 mL | 101.00 |
| 3118-77 | 2.04723.646 | NBB-B Glass Tubes | 20 x 10 mL | 36.25 |
| 3118-78 | 2.04711.782 | NBB-C Glass Bottles | 9 x 250 mL | 109.40 |
| 3118-79 | 2.04716.462 | NBB-P Powder, Bagged | 300 gram | 142.81 |
| 3118-80 | 7.85420.782 | NBB-PCR Glass Bottles | 9 x 250 mL | 116.25 |
| 3118-81 | 2.11753.244 | Brewers QCheck® Kit | | 139.35 |
| | | 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 | |
| 3118-82 | 2.04706.782 | NBB-B-Am Glass Bottles | 9 x 250 mL | 101.00 |
| 3118-83 | 2.04706.646 | NBB-B-Am Glass Tubes | 20 x 10 mL | 36.25 |



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 | 55.71 |
| | | | | 10-19 | 52.19 |
| | | | | 20+ | 50.64 |
| 3050-21 | 100 X 15 mm (83 mm diameter) | Fully Stackable 20 sleeves/25 units each | case/500 | 1-9 | 55.71 |
| | | | | 10-19 | 52.19 |
| | | | | 20+ | 50.64 |
| 3050-10 | 100 X 15 mm (83 mm diameter) | Slippable 20 sleeves/ 25 units each | Case/500 | 1-9 | 55.71 |
| | | | | 10-19 | 52.19 |
| | | | | 20+ | 50.64 |
| 3050-11 | 100 X 15 mm (83 mm diameter) | I-plate (2 sections) Slippable 20 sleeves/ 25 units each | Case/500 | 1-9 | 75.76 |
| | | | | 10+ | 70.35 |
| 3050-25 | 100 X 10 mm (83 mm diameter) | Space Saver Semi-Stackable 25 sleeves/ 30 units each | Case/750 | 1-9 | 83.79 |
| | | | | 10-19 | 78.69 |
| | | | | 20+ | 74.33 |
| 3051-10 | 150 X 15 mm (136 mm diameter) | Slippable 10 sleeves/10 units each | case/100 | 1-15 | 56.05 |
| | | | | 16+ | 43.87 |
| 3051-15 | 60 X 15 mm (54 mm diameter) | Fully Stackable 25 sleeves/20 units each | case/500 | 1-19 | 64.74 |
| | | | | 20+ | 54.65 |

Sterile Inoculating Loops

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



| Item No. | Size | Qty | Color code | List Price | % Off List | Qty Break | Your Cost |
|----------|-----------------|--------|------------|------------|------------|-----------|--------------|
| 2023-05 | 0.001 mL / 1 µl | pk/500 | blue | 90.55 | 15 | 1 | 76.97 |
| | | | | | 25 | 2+ | 67.91 |
| 2023-06 | 0.001 mL / 1 µl | pk/250 | blue | 82.15 | 60 | 1-3 | 32.86 |
| | | | | | 66 | 4+ | 27.93 |
| 2023-10 | 0.01 mL / 10 µl | pk/500 | yellow | 110.46 | 15 | 1 | 93.89 |
| | | | | | 25 | 2+ | 82.85 |
| 2023-11 | 0.01 mL / 10 µl | pk/250 | yellow | 82.15 | 60 | 1-3 | 32.86 |
| | | | | | 66 | 4+ | 27.93 |



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 | List Price | % Off List | Qty Break | Your Cost |
|----------|--|---------------|------------|------------|-----------|--------------|
| 2023-15 | Rigid dark green inoculating loop | 1 µL/0.001 mL | 98.42 | 19 | 1 | 79.72 |
| | | | | 28 | 2+ | 70.86 |
| 2023-20 | Rigid dark blue inoculating loop | 10 µL/0.01 mL | 98.42 | 19 | 1 | 79.72 |
| | | | | 28 | 2+ | 70.86 |
| 2023-25 | Flexible light green inoculating loop | 1 µL/0.001 mL | 98.42 | 19 | 1 | 79.72 |
| | | | | 28 | 2+ | 70.86 |
| 2023-35 | Flexible light blue inoculating loop | 10 µL/0.01 mL | 98.42 | 19 | 1 | 79.72 |
| | | | | 28 | 2+ | 70.86 |

Sterile T-Shaped Cell Spreaders

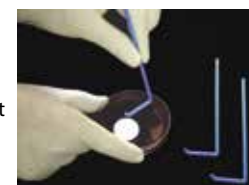
Plastic spreaders are designed for spreading and dispersing liquids across the surface of agar culture plates. Smooth rounded surfaces prevent any cutting or gouging of agar during inoculation of culture plates. The T-shape design facilitates that even pressure is applied across the entire length of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



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

Sterile Bacterial Cell Spreader

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



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

Sterile Pipets, Polystyrene, Serological Type 

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. Made in the U.S.A.



| Item No. | Description | Length (inches) | Graduation Interval (mL) | Negative Graduations | Tip O.D. (mm) | Qty | List Price | % Off List | Qty Break | Your Cost |
|----------|---|-----------------|--------------------------|----------------------|---------------|-----------|------------|------------|---------------|---------------|
| 3018-31 | 1 mL Standard | 11.0 | 0.01 | no | 3.35 | pack/1000 | 277.17 | 58 | 1-3 | 116.41 |
| | 64 | | | | | | | 4+ | 99.78 | |
| 3018-32 | 2 mL Standard | 11.125 | 0.01 | yes | 3.73 | pack/1000 | 279.54 | 58 | 1-3 | 117.41 |
| | 64 | | | | | | | 4+ | 100.63 | |
| 3018-39 | 5 mL Standard | 13.721 | 0.10 | yes | 3.35 | pack/500 | 211.07 | 58 | 1 | 88.65 |
| | 64 | | | | | | | 2+ | 75.99 | |
| 3018-41 | 10 mL Standard | 13.65 | 0.10 | yes | 3.30 | case/500 | 244.13 | 58 | 1 | 102.53 |
| | 64 | | | | | | | 2+ | 87.89 | |
| 3018-12 | 10 mL Wide-Tip | 13.65 | 0.10 | yes | 3.0-3.4 | case/500 | 244.25 | 58 | 1 | 102.59 |
| | 64 | | | | | | | 2+ | 87.93 | |
| 3018-51 | 25 mL Standard | 12.24 | 0.25 | yes | 4.78 | case/200 | 229.42 | 58 | 1 | 96.36 |
| | 64 | | | | | | | 2+ | 82.59 | |
| 3019-33 | 1 mL Standard Individually Wrapped | 11.0 | 0.01 | no | 3.35 | case/1000 | 355.38 | 58 | 1 | 149.26 |
| | 64 | | | | | | | 2+ | 127.94 | |
| 3019-34 | 2 mL Standard Individually Wrapped | 11.125 | 0.10 | yes | 3.73 | pack/1000 | 359.94 | 58 | 1 | 151.17 |
| | 64 | | | | | | | 2+ | 129.58 | |
| 3019-43 | 5 mL Standard Individually Wrapped | 13.721 | 0.10 | yes | 3.35 | case/200 | 99.45 | 58 | 1-3 | 41.77 |
| | 64 | | | | | | | 4+ | 35.80 | |
| 3019-44 | 10 mL Standard Individually Wrapped | 13.65 | 0.10 | yes | 3.30 | pack/200 | 109.58 | 58 | 1-3 | 46.02 |
| | 64 | | | | | | | 4+ | 39.45 | |
| 3019-52 | 10 mL "Shorty"-Tip Individually Wrapped | 9.06 | 0.10 | yes | | pack/200 | 213.58 | 58 | 1 | 89.70 |
| | 64 | | | | | | | 2+ | 76.89 | |
| 3019-49 | 10 mL Wide-Tip Individually Wrapped | 13.65 | 0.10 | yes | | pack/200 | 108.49 | 58 | 1-3 | 45.57 |
| | 64 | | | | | | | 4+ | 39.06 | |
| 3019-45 | 25 mL Standard Individually Wrapped | 12.24 | 0.25 | yes | 4.78 | pack/200 | 225.86 | 58 | 1 | 94.86 |
| | 64 | | | | | | | 2+ | 81.31 | |
| 3019-46 | 50 mL Standard Individually Wrapped | 14.495 | | yes | 5.49 | pack/100 | 335.28 | 58 | 1-3 | 140.82 |
| | 64 | | | | | | | 4+ | 120.70 | |

Fast-Release Pipet Pump™III (Bel-Art Scienceware 37904)

Improved user friendly shape for maximum comfort and ease of use. Thumb wheel conveniently located to aspirate and dispense gradually while fast release trigger provides rapid dispensing. Resistant to acids, alkalis and solvents, and is easily disassembled for thorough cleaning. No blow out feature.



| Item No. | Fits Pipets, up to mL | Color Coded | List Price | % Off List | Your Cost |
|----------|-----------------------|-------------|------------|------------|--------------|
| 3016-22 | 2 | blue | 26.75 | 20 | 21.40 |
| 3016-24 | 10 | green | 26.75 | 20 | 21.40 |
| 3016-26 | 25 | red | 36.45 | 20 | 29.16 |

Fast-Release Pipet Pump (Bel-Art Scienceware)

Provides easy pipetting and features a rapid-release lever. Use only with pipets calibrated to contain (no blow out feature). Rotating the knurled thumbwheel draws up or dispenses liquid.



| Item No. | Fits Pipets, up to mL | Color Coded | List Price | % Off List | Your Cost |
|----------|----------------------------|-------------|------------|------------|--------------|
| 3016-47 | 2 | blue | 31.98 | 20 | 25.58 |
| 3016-48 | 10 | green | 31.98 | 20 | 25.58 |
| 3016-49 | 25 | red | 42.48 | 20 | 33.98 |
| 3016-43 | Replacement Chuck | | | | 6.28 |
| 3016-41 | Replacement Chuck Mounting | | | | 3.69 |

Proline® Plus Mechanical Pipettors (Sartorius – formerly Biohit)

Highest accuracy and precision for today's demanding laboratories

Both adjustable and fixed volume models

- Autoclavable
- User calibratable
- Wide range of sizes – up to 10 mL on fixed volume model!
- Compatible with a wide range of tips
- Ergonomic design with light pipetting forces, comfortable handle and finger support for reduced risk of strain injuries
- For both right or left handed users
- Easy-to-read volumes
- Single channel
- IVD/CD certification
- 2 year warranty

Adjustable volume pipettor

- Easy to read display, easy volume change and quick turn
- Increased safety with volume lock preventing accidental volume changes while pipetting



| Item No. | Color Code (to match tips) | Mfr Item No. | Volume Range (µl) | Increment (µl) | Test Volumes (µl) | Inaccuracy (%) | Imprecision (%) |
|----------------|----------------------------|--------------|-------------------|----------------|-------------------|--------------------|--------------------|
| 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 |
| 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 |
| 3185-18 | Blue | 728070 | 100 - 1000 | 1.00 | 1000 / 500 / 100 | 0.60 / 0.60 / 1.00 | 0.20 / 0.20 / 0.40 |
| 3185-22 | Green | 728080 | 500 - 5000 | 10.0 | 5000 / 2500 / 500 | 0.50 / 0.60 / 2.00 | 0.20 / 0.30 / 0.60 |
| 3185-24 | Gray | 728515 | 5 | - | 5 | 1.30 | 1.20 |
| 3185-26 | Gray | 728520 | 10 | - | 10 | 0.80 | 0.80 |
| 3185-28 | Blue or Aqua | 728567 | 500 | - | 500 | 0.30 | 0.20 |
| 3185-30 | Blue or Aqua | 728570 | 1000 | - | 1000 | 0.30 | 0.20 |
| 3185-32 | Green | 728575 | 2000 | - | 2000 | 0.30 | 0.15 |
| 3185-34 | Green | 728580 | 5000 | - | 5000 | 0.30 | 0.15 |
| 3185-36 | Red | 728590 | 10 ml | - | 10000 | 0.60 | 0.20 |



| Item No. | List Price | % Off List | Qty Break | Your Cost |
|----------------|------------|------------|-----------|---------------|
| 3185-13 | 255.00 | 30 | 1 | 178.50 |
| | | | 35 | 165.75 |
| 3185-15 | 255.00 | 30 | 1 | 178.50 |
| | | | 35 | 165.75 |
| 3185-16 | 255.00 | 30 | 1 | 178.50 |
| | | | 35 | 165.75 |
| 3185-18 | 255.00 | 30 | 1 | 178.50 |
| | | | 35 | 165.75 |
| 3185-22 | 255.00 | 30 | 1 | 178.50 |
| | | | 35 | 165.75 |
| 3185-24 | 192.00 | 25 | 1 | 144.00 |
| | | | 30 | 134.40 |
| 3185-26 | 192.00 | 25 | 1 | 144.00 |
| | | | 30 | 134.40 |
| 3185-28 | 192.00 | 25 | 1 | 144.00 |
| | | | 30 | 134.40 |
| 3185-30 | 192.00 | 25 | 1 | 144.00 |
| | | | 30 | 134.40 |
| 3185-32 | 192.00 | 25 | 1 | 144.00 |
| | | | 30 | 134.40 |
| 3185-34 | 192.00 | 25 | 1 | 144.00 |
| | | | 30 | 134.40 |
| 3185-36 | 192.00 | 25 | 1 | 144.00 |
| | | | 30 | 134.40 |



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 | List Price | % Off List | Qty Break | Your Cost | |
|---|--------------------------|--------------|-----------|--------------------------|---------|-----------------|-----------------|------------|------------|-----------|--------------|--------------|
| 3017-20 | Wide stem; non-sterile | 3.5 | 25 | 6 / 150 | 3 | 0.5 | pk/500 | 27.29 | 36 | 1-9 | 17.47 | |
| | | | | | | | | | | 44 | Multi. of 10 | 15.28 |
| 3017-18  | Wide stem; Sterile | 3.5 | 21 | 6.3 / 160 | 3 | 0.5 | pk/500 | 79.47 | 50 | 1-4 | 39.74 | |
| | | | | | | | | | | 54 | 5-9 | 36.56 |
| | | | | | | | | | | 57 | Multi. of 10 | 34.17 |
| 3017-11 | Wide stem; Sterile | 3.5 | 21 | 6.3 / 160 | 3 | none | pk/500 (pks 20) | 37.52 | 50 | 1-9 | 18.76 | |
| | | | | | | | | | | 60 | Multi. of 10 | 15.01 |
| 3017-29 | Narrow stem; non-sterile | 3.5 | 25 | 6 / 150 | 1 | 0.25 | pk/500 | 26.83 | 36 | 1-9 | 17.17 | |
| | | | | | | | | | | 44 | Multi. of 10 | 15.02 |
| 3017-27  | Narrow stem; Sterile | 3.5 | 21 | 6.3 / 160 | 1 | 0.25 | pk/500 | 79.47 | 50 | 1-4 | 39.74 | |
| | | | | | | | | | | 54 | 5-9 | 36.56 |
| | | | | | | | | | | 57 | Multi. of 10 | 34.17 |
| 3017-12 | Narrow stem; Sterile | 3.5 | 21 | 6.3 / 160 | 1 | 0.25 | pk/500 (pks 20) | 36.18 | 50 | 1-9 | 18.09 | |
| | | | | | | | | | | 60 | Multi. of 10 | 14.47 |



Optifit™ Tips for Pipettor (Sartorius-Biohit)

Tips fit Biohit, 3M® Electronic and most other pipet brands 

In liquid handling, the pipette and the tip always form a system. Perfect tip fitting and sealing to the pipette secures the best possible accuracy and precision. These tips provide excellent reproducibility and accuracy and are suitable for use with most other pipette brands.

- Highest quality virgin polypropylene
- Material used in tips, trays and racks (polypropylene) is 100% recyclable
- Air-tight plastic wrapping for maximal purity - wrapping is regular waste
- Flip-top boxes can be easily opened and closed using a single hand
- Color coding of the tip trays allows for easy matching with a suitable Biohit pipette
- RNase, DNase and endotoxin free certified by lot number.
- Labels indicate tip volume, tip type, lot number, etc.
- Fully traceable, CE/IVD certified



| Item No. | Mfr Item No. | Description | Color Code (to match Pipettor) | Volume Range, ul | Length | Qty |
|----------|--------------|-----------------------------|--------------------------------|------------------|---------|--------------|
| 3185-72 | 790014 | Non-Sterile, Bulk in Box | Gray | 0.1-10 | 31.5 mm | 1000 Tips |
| 3185-71 | 790011 | Pre-Sterilized, Single Tray | Gray | 0.1-10 | 31.5 mm | 10 x 96 Tips |
| 3185-75 | LH-B790204 | Non-Sterile, Bulk in Box | Yellow | 0.5-200 | 51 mm | 960 Tips |
| 3185-73 | 790201 | Pre-Sterilized, Single Tray | Yellow | 0.5-200 | 51 mm | 10 x 96 Tips |
| 3185-41 | LH-B790354 | Non-Sterile, Bulk in Box | Orange | 5-350 | 54 mm | 960 Tips |
| 3185-42 | 790350 | Non-Sterile, Single Tray | Orange | 5-350 | 54 mm | 10 x 96 Tips |
| 3185-44 | 790351 | Pre-Sterilized, Single Tray | Orange | 5-350 | 54 mm | 10 x 96 Tips |
| 3185-46 | 790352 | Non-Sterile, Refill Tower | Orange | 5-350 | 54 mm | 10 x 96 Tips |
| 3185-48 | 790353 | Pre-Sterilized, Refill Pack | Orange | 5-350 | 54 mm | 15 X 96 Tips |
| 3185-51 | LH-B791004 | Non-Sterile, Bulk in Box | Blue | 10-1000 | 71.5 mm | 480 Tips |
| 3185-52 | 791000 | Non-Sterile, Single Tray | Blue | 10-1000 | 71.5 mm | 10 x 96 Tips |
| 3185-54 | 791001 | Pre-Sterilized, Single Tray | Blue | 10-1000 | 71.5 mm | 10 x 96 Tips |
| 3185-56 | 791002 | Non-Sterile, Refill Pack | Blue | 10-1000 | 71.5 mm | 10 x 96 Tips |
| 3185-58 | 791003 | Pre-Sterilized, Refill Pac | Blue | 10-1000 | 71,5 mm | 10 X 96 Tips |
| 3185-62 | 791020 | Non-Sterile, Single Tray | Aqua - Wide tip | 10-1000 | 68.5 mm | 10 x 96 Tips |
| 3185-64 | 791021 | Pre-Sterilized, Single Tray | Aqua - Wide tip | 10-1000 | 68.5 mm | 10 x 96 Tips |
| 3185-66 | 780304 | Non-Sterile, Single Tray | Green | 100-5000 | 150 mm | 10 x 50 Tips |
| 3185-68 | 780305 | Pre-Sterilized, Single Tray | Green | 100-5000 | 150 mm | 10 x 50 Tips |
| 3185-79 | LH 780316 | Non-Sterile, Bulk in Box | Red | 1000-10000 | 161 mm | 250 Tips |

| Item No. | List Price | % Off List | Qty Break | Your Cost |
|----------|------------|------------|-----------|-----------|
| 3185-72 | 37.00 | 20 | 1-4 | 29.60 |
| | | | 30 | 25.90 |
| 3185-71 | 107.00 | 20 | 1-4 | 85.60 |
| | | | 30 | 74.90 |
| 3185-75 | 36.00 | 15 | 1-4 | 30.60 |
| | | | 25 | 27.00 |
| 3185-73 | 70.00 | 25 | 1-4 | 52.50 |
| | | | 35 | 45.50 |
| 3185-41 | 36.00 | 15 | 1-4 | 30.60 |
| | | | 25 | 27.00 |
| 3185-42 | 101.00 | 20 | 1-4 | 80.80 |
| | | | 30 | 70.70 |
| 3185-44 | 96.00 | 20 | 1-4 | 76.80 |
| | | | 30 | 67.20 |
| 3185-46 | 47.00 | 25 | 1-4 | 35.25 |
| | | | 35 | 30.55 |
| 3185-48 | 86.00 | 25 | 1-4 | 64.50 |
| | | | 35 | 55.90 |
| 3185-51 | 22.00 | 15 | 1-4 | 18.70 |
| | | | 25 | 16.50 |
| 3185-52 | 68.00 | 20 | 1-4 | 54.40 |
| | | | 30 | 47.60 |
| 3185-54 | 86.00 | 20 | 1-4 | 68.80 |
| | | | 30 | 60.20 |
| 3185-56 | 40.00 | 25 | 1-4 | 30.00 |
| | | | 35 | 26.00 |
| 3185-58 | 65.00 | 30 | 1-4 | 45.50 |
| | | | 40 | 39.00 |
| 3185-62 | 70.00 | 20 | 1-4 | 56.00 |
| | | | 30 | 49.00 |
| 3185-64 | 92.00 | 20 | 1-4 | 73.60 |
| | | | 30 | 64.40 |
| 3185-66 | 160.00 | 28 | 1-4 | 115.20 |
| | | | 38 | 99.20 |
| 3185-68 | 190.00 | 30 | 1-4 | 133.00 |
| | | | 40 | 114.00 |
| 3185-70 | 153.00 | 30 | 1-4 | 107.10 |
| | | | 40 | 91.80 |
| 3185-79 | 117.00 | 20 | 1-4 | 93.60 |
| | | | 30 | 81.90 |



Maxymum Recovery Universal Fit Filter Pipet Tips (Corning) 

- Volume: 100, 200, 300, and 1000 microliter
- Color: clear
- Pre-sterilized; autoclavable; racked
- Certified RNase, DNase, and endotoxin free

This Maxymum Recovery universal fit filter tip is for research grade pipettors, applications requiring high accuracy and reproducibility. Ideal for transferring viscous DNA, RNA, and protein solutions. All tips feature the "Uni-grip" design, which assures an airtight seal with most major brands of pipettors.

| Item No. | Fits Pipettor, µL | Packaging | List Price | % Off List | Qty Break | Your Cost |
|----------|-------------------|---|------------|------------|-----------|-----------|
| 3184-05 | 100 | 96 Tips/Rack, 10 Racks, sterile | 107.31 | 30 | 1-4 | 75.12 |
| | | | | | 40 | 64.39 |
| 3184-06 | 200 | 96 Tips/Rack, 10 Racks, sterile | 107.31 | 30 | 1-4 | 75.12 |
| | | | | | 40 | 64.39 |
| 3184-07 | 300 | 96 Tips/Rack, 10 Racks, sterile | 107.31 | 30 | 1-4 | 75.12 |
| | | | | | 40 | 64.39 |
| 3184-10 | 1000 | 100 Tips/Rack, 10 Racks, sterile | 103.32 | 30 | 1-4 | 72.32 |
| | | | | | 40 | 61.99 |



Sterile Biosart® 100 Disposable Monitors (Sartorius)

Specially designed for microbiological testing of beverages and water

These ready-to-use sterile Monitors incorporate a 0.45 µm membrane filter and cellulose pad. Using the supplied adaptor they are placed onto the base of a vacuum manifold. (Fits Sartorius, Millipore, S & S and Gelman.) After filtration, just remove the 100 mL funnel to convert the Monitor into a petri dish.

The major area of application is microbiological analysis of relatively large sample volumes that have a low number of microbes. The quantity can represent either the total bioburden or the detection and quantification of specific microorganisms. The counts are expressed in colony-forming units per 1 mL sample volume (CFU/mL).

- Safe & reliable: Sterile, individually packaged available, validated, certified membrane filters
- Saves time: Ready to connect; easy to use and practical handling features
- Economy: High flow rate, large filtration area, high total throughput
- Saves money: Only needs a minimal amount of equipment

| Item No. | Mfr Item No. | Description | Pore Size | Qty | List Price | % Off List | Qty Break | Your Cost |
|----------------|-----------------|--|-----------|---------|------------|------------|-----------|---------------|
| 3046-30 | 16401-47-06-VK | Monitor with 47 mm white membranes and black grid. Packaged 2 layers of 24 | 0.45 µm | Case/48 | 115.00 | 43 | 1 | 65.55 |
| | | | | | | 53 | 2+ | 54.05 |
| 3046-31 | 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 | 115.00 | 43 | 1 | 65.55 |
| | | | | | | 53 | 2+ | 54.05 |
| 3046-27 | 16401-47-06-ACK | Monitor with 47 mm white membranes and black grid. Individually wrapped | 0.45 µm | Case/48 | 235.00 | 43 | 1 | 133.95 |
| | | | | | | 53 | 2+ | 110.45 |
| 3046-28 | 16401-47-07-K | Monitor with 47 mm white membranes and black grid. Packaged 4 bags of 12 | 0.2 µm | Case/48 | 153.00 | 43 | | 87.21 |
| 3046-29 | 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 | 153.00 | 43 | | 87.21 |
| 3046-32 | 16403-47-06-ACK | Monitor with 47 mm gray (black when wet) membranes and white grid. Individually wrapped | 0.45 µm | Case/48 | 235.00 | 43 | 1 | 133.95 |
| | | | | | | 53 | 2+ | 110.45 |
| 3048-20 | 17846-ACK | Nylon Hydrophilic Syringe filters Indiv. wrapped 25 mm dia. | 0.45µm | pack/50 | 135.00 | 30 | | 94.50 |
| 3046-34 | 16401-47-06-K | Monitor with 47 mm white membranes and black grid. Packaged 4 bags of 12 | 0.45 µm | Case/48 | 148.00 | 43 | 1 | 84.36 |
| | | | | | | 53 | 2+ | 69.56 |
| 3046-33 | 16414 | Monitor Adapter, silicone | | each | | | | 15.99 |



Vacuum-Pressure Diaphragm Pump (Gast)

Free-air capacity of 1.1 cfm

- Oil-less – runs dry
- Pressure and vacuum gauges
- Shaded-pole, ball bearing type, fan-cooled motor
- Thermal overload switch to protect the pump system

Specifications

| | |
|--------------------|--|
| Max vacuum | 25.5" Hg |
| Max pressure (psi) | 60 |
| Free-air capacity | 1.1 cfm (31.2 L/min) |
| Port size | 1/4" NPT(F), 3/8" hose barb on gauges |
| Max temperature | 100°F (38°C) |
| Motor type | permanent split capacitor |
| Duty cycle | Continuous |
| hp | 1/8 |
| Wetted parts | Aluminum, stainless steel, NORDEL®, and NOMEX® |
| Noise level (dB) | 68 |
| Dimensions | 7-5/8"L x 5-1/8"W x 10-1/4"H |
| Amps | 4.2 |
| Power | 115 VAC, 60 Hz |
| Stages | Single |

| Item No. | Your Cost |
|----------------|---------------|
| 3054-50 | 608.00 |



Hand Vacuum Pump with Gauge

Reads in both cm and inches of mercury. Easy vacuum release valve with disconnecting the pump. Pumping rate is 15 mL per stroke.

| Item No. | Your Cost |
|----------------|--------------|
| 3053-66 | 36.35 |

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 | List Price | % Off List | Qty Break | Your Cost |
|----------|---------------|-----------------------------|----------|------------|------------|--------------|--------------|
| 3046-05 | 114H6-47-ACN | White with black grid; high | pack/100 | 122.00 | 60 | 1-9 | 48.40 |
| | | | | | 68 | Multi. of 10 | 39.04 |
| 3046-09 | 13006-47-ACN | Gray for yeast and molds | pack/100 | 122.00 | 60 | 1-9 | 48.40 |
| | | | | | 68 | Multi. of 10 | 39.04 |

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 | 96.69 |
| | | | | Multi. of 10 | 77.86 |

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 | 223.93 |
| 3061-50 | RST13-H | # 13 Rubber Stopper with one hole for Filtering Bottle | 12.50 |

Tygon® S3™ E-3603 Laboratory Tubing

Phthalate-free Formulation

- Outstanding chemical resistance
- Contains no BPA or phthalates
- Hold U.C. S full vacuum at room temperature
- Lot-to-lot consistency for reproducible results
- Non-oxidizing and non-contaminating
- New bio-based formulation delivers the same excellent performance
- Smooth, polished inner wall
- Slips easily over fittings and grips securely for simple lab set-ups



| Item No. | Size | Qty | Qty Break | Your Cost |
|----------|---------------------------------|--------|-------------|-------------|
| 3058-19 | 5/16" ID x 1/2" OD x 3/32" Wall | 1 foot | 1-49 | 5.46 |
| | | | Multi.of 50 | 3.52 |
| 3058-21 | 3/8" ID x 9/16" OD x 3/32" Wall | 1 foot | 1-49 | 6.00 |
| | | | Multi.of 50 | 4.15 |

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 | 19.06 |
| | | | 2+ | 15.65 |
| 2058-11 | 1000 | 138 x 245 | 1 | 27.89 |
| | | | 2+ | 22.77 |

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. | List Price | % Off List | Your Cost |
|----------|--|--------------|------------|------------|--------------|
| 2058-12 | Flask | 389410000 | 34.10 | 10 | 30.69 |
| 2058-13 | Tubing coupler connects item 2058-12 (polypropylene flask) with 3053-66 (hand vacuum pump) | | | | 0.81 |

Weber Filter Flask Stopper

Stopper with hole fits 2058-10, -11, -12 Filter Flasks.

| Item No. | Description | Your Cost |
|----------|----------------------|--------------|
| 2058-21 | Stopper fits 2058-12 | 10.00 |
| 2058-29 | Stopper fits 2058-10 | 8.30 |
| 2058-30 | Stopper fits 2058-11 | 9.00 |



Filter Funnel Manifold

These manifolds feature individual release valves to allow removal of membranes without tearing. The aluminum provides great durability.

6-place Pall/Gelman

3-place Sartorius/Combisart



| Item No. | Mfr Item No. | Descrip. | Material | List Price | % Off List | Your Cost |
|----------------|--------------|----------|------------------------------|------------|------------|----------------|
| 3053-84 | 15403 | 6-place | aluminum | 2535.83 | 20 | 2028.66 |
| 3053-83 | 16842 | 3-place | aluminum and stainless steel | 1265.00 | 15 | 1075.25 |

47 mm Magnetic Filter Funnel (Pall/Gelman 4201)

Patented twin magnet design ensures a no-leak seal between the funnel body and stem. Autoclavable polysulfone. 300 mL capacity. All funnels come without lids.



| Item No. | Mfr Item No. | Capacity, mL | List Price | % Off List | Your Cost |
|----------------|--------------|--------------|------------|------------|---------------|
| 3053-73 | 4247 | 150 | 321.41 | 14 | 276.41 |
| 3053-75 | 4242 | 300 | 309.69 | 20 | 247.75 |
| 3053-77 | 4238 | 500 | 341.04 | 20 | 272.83 |

GasPak™ EZ Gas Generating Container System (BD Diagnostics)

Cultivation of Anaerobic Bacteria

The GasPak™ EZ Gas Generating Container Systems are multi-use systems that produce atmospheres suitable to support the primary isolation and cultivation of anaerobic, microaerophilic, or capnophilic bacteria by use of gas generating sachets inside multi-use incubation containers. The system offers bio-performance and reliability without the need for a catalyst or activation procedure. The GasPak EZ Gas Generating Sachet contains all the ingredients needed to create a specific atmosphere for specimen incubation. The sachet and specimens are placed in the clear, stackable, plastic GasPak EZ Incubation Container. The container is sealed and the sample is incubated.



| Item No. | Mfr. Item No. | Description | Qty | List Price | % Off List | Your Cost |
|----------------|---------------|---|----------|------------|------------|---------------|
| 3098-50 | 260678 | GasPak EZ Anaerobe Container System Sachets | pack/20 | 80.12 | 10 | 72.11 |
| 3098-51 | 260001 | GasPak EZ Anaerobe Container System Sachets w/Indicator | pack/20 | 76.81 | 10 | 69.13 |
| 3098-52 | 260683 | GasPak EZ Anaerobe Pouch System | pack/20 | 112.50 | 10 | 101.25 |
| 3098-53 | 260680 | GasPak EZ Campy Container System Sachets | pack/20 | 84.77 | 10 | 76.29 |
| 3098-54 | 260685 | GasPak EZ CampyPouch™ System | pack/20 | 102.49 | 10 | 92.24 |
| 3098-55 | 260679 | GasPak EZ CO ₂ Container System Sachets | pack/20 | 80.12 | 10 | 72.11 |
| 3098-56 | 260684 | GasPak EZ CO ₂ Pouch System | pack/20 | 97.03 | 10 | 87.33 |
| 3098-59 | 271051 | GasPak Dry Anaerobe Indicator Strips | pack/100 | 100.20 | 10 | 90.18 |
| 3098-57 | 260672 | GasPak EZ Large Incubation Container | each | 144.76 | 10 | 130.28 |
| 3098-63 | 260674 | GasPak EZ Large Incubation Rack | each | 84.16 | 10 | 75.74 |
| 3098-58 | 260671 | GasPak EZ Standard Incubation Container | each | 132.98 | 10 | 119.68 |
| 3098-62 | 260673 | GasPak EZ Standard Incubation Rack | each | 79.70 | 10 | 71.73 |
| 3098-60 | 260002 | GasPak EZ Small Incubation Container | each | 98.86 | 10 | 88.97 |
| 3098-61 | 260003 | GasPak EZ Small Incubation Rack | each | 67.32 | 10 | 60.59 |

Captair® Smart Ductless Filtering Fume Hoods (Erlab)

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

Your Safety is Guaranteed!

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

Reduces Costs

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

Many models and configurations to choose from

Covers a wide range of sizes and configurations

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




How it works

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

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

Laminar Flow Hoods available at weberscientific.com

| | | | | |
|--|--|--|--|---|
|  <p>The Erlab Safety Program: As part of our commitment to you, every Erlab product includes these services.</p> | <p>Valiquest Determine the most appropriate filtration product for total safety during your processes</p> | <p>Valipass Certify and secure the usage of the unit(s) at installation</p> | <p>Valiguard Work with you to be sure your unit(s) is at peak operating performance</p> | <p>eGuard App Enhance your safety with our remote mobile solutions</p> |
|--|--|--|--|---|

| Item No. | Mfr. Item No. | Description | Dimensions (W x D x H) inches | Your Cost |
|----------|---------------|--|--|----------------|
| 4013-02 | 321SMART | Fume Hood | Ext. 31 1/2 x 24 3/8 x 43 3/4 Min. 50 5/8 Max | 3749.00 |
| 4013-03 | 391SMART | Fume Hood | Ext. 39 5/8 x 24 3/8 x 43 3/4 Min. 50 5/8 Max | 4459.00 |
| 4013-04 | 481SMART | Fume Hood | Ext. 49 5/8 x 24 3/8 x 43 3/4 Min. 50 5/8 Max | 5699.00 |
| 4013-06 | 392SMART | Fume Hood | Ext. 39 5/8 x 29 1/2 x 52 3/4 Min. 59 5/8 Max | 5999.00 |
| 4013-07 | 483SMART | Fume Hood | Ext. 51 x 29 1/2 x 52 3/4 Min. 59 5/8 Max | 7149.00 |
| 4013-08 | 633SMART | Fume Hood | Ext. 63 3/4 x 29 1/2 x 52 3/4 Min. 59 5/8 Max. | 8299.00 |
| 4013-09 | 714SMART | Fume Hood | Ext. 71 5/8 x 29 1/2 x 52 3/4 Min. 59 5/8 Max | 9749.00 |
| 4013-21 | SMART321GL | Accessory - 321 Smart Glass Work Surface | | 201.00 |
| 4013-22 | SMART391GL | Accessory - 391 Smart Glass Work Surface | | 254.00 |
| 4013-23 | SMART481GL | Accessory - 481 Smart Glass Work Surface | | 307.00 |
| 4013-25 | SMART392GL | Accessory - 392 Smart Glass Work Surface | | 285.00 |
| 4013-26 | SMART483GL | Accessory - 483 Smart Glass Work Surface | | 328.00 |
| 4013-27 | SMART633GL | Accessory - 633 Smart Glass Work Surface | | 434.00 |
| 4013-28 | SMART714GL | Accessory - 714 Smart Glass Work Surface | | 498.00 |
| 4013-34 | SMART391MOBI | Accessory - 391 Smart Mobile Cart | | 986.00 |
| 4013-36 | SMART481BENCH | Accessory - 481 Smart Benchcap | | 1007.00 |
| 4013-38 | SMART392BENCH | Accessory - 392 Smart Benchcap | | 986.00 |
| 4013-39 | SMART483BENCH | Accessory - 483 Smart Benchcap | | 1039.00 |
| 4013-40 | SMART633BENCH | Accessory - 633 Smart Benchcap | | 1092.00 |
| 4013-41 | SMART714BENCH | Accessory - 714 Smart Benchcap | | 1357.00 |
| 4013-15 | GF4.AS | Carbon Filter - Organics | | 491.00 |
| 4013-16 | GF4.BE | Carbon Filter - Organics and Acids | | 742.00 |
| 4013-17 | GF4.HP | HEPA Filter | | 499.00 |



Graduated Cylinders, Economy

Polypropylene. One piece construction with molded graduations. Accuracy meets Federal Specifications NNN-C-940. Autoclavable.

| Item No. | Capacity mL | Subdivision mL | Qty | List Price | % Off List | Qty Break | Your Cost |
|----------|-------------|----------------|------|------------|------------|-----------------|--------------|
| 2078-76 | 50 | 1 | each | 7.30 | 20 | 1-11 | 5.84 |
| | | | | | 30 | Multiples of 12 | 5.11 |
| 2078-80 | 100 | 1 | each | 9.05 | 20 | 1-11 | 7.24 |
| | | | | | 30 | Multiples of 12 | 6.34 |
| 2078-84 | 250 | 2 | each | 10.10 | 20 | 1-11 | 8.08 |
| | | | | | 30 | Multiples of 12 | 7.07 |
| 2078-88 | 500 | 5 | each | 13.80 | 20 | 1-5 | 11.04 |
| | | | | | 30 | Multiples of 6 | 9.66 |
| 2078-92 | 1000 | 10 | each | 19.30 | 20 | 1-5 | 15.44 |
| | | | | | 30 | Multiples of 6 | 13.51 |



Graduated Cylinders (Nalgene 3662)

Translucent and autoclavable polypropylene with black, easy to read molded-in graduations. Excellent accuracy meets ASTM Class B and ISO Standard 6706 requirements. Broad hexagonal base resists tipping. Shatterproof.

| Item No. | Capacity mL | Subdivision mL | Tolerance± mL | Qty | List Price | % Off List | Qty Break | Your Cost |
|----------|-------------|----------------|---------------|------|------------|------------|-----------------|--------------|
| 2078-36 | 50 | 1 | ± .05 | each | 55.14 | 50 | 1-17 | 27.57 |
| | | | | | | 62 | Multiples of 18 | 20.95 |
| 2078-40 | 100 | 1 | ± 1.0 | each | 58.32 | 50 | 1-11 | 29.16 |
| | | | | | | 62 | Multiples of 12 | 22.16 |
| 2078-44 | 250 | 2 | ± 2.0 | each | 78.34 | 50 | 1-11 | 39.17 |
| | | | | | | 62 | Multiples of 12 | 29.77 |
| 2078-48 | 500 | 5 | ± 4.0 | each | 103.41 | 50 | 1-7 | 51.71 |
| | | | | | | 62 | Multiples of 8 | 39.30 |
| 2078-52 | 1000 | 10 | ± 6.0 | each | 129.08 | 50 | 1-5 | 64.54 |
| | | | | | | 62 | Multiples of 6 | 49.05 |



2077-67

Volumetric Graduated Cylinders, Class A (United Scientific)

Class A glassware at a phenomenal price

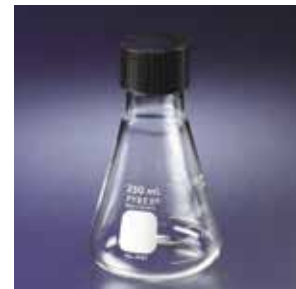
- ASTM E-1272
- Borosilicate glass
- Hexagonal Base
- "Batch Certified"
- Certificate of Conformity with results of the analysis
- Bumper guard included

| Item No. | Size, mL | Graduations, mL | List Price | % Off List | Qty Break | Your Cost |
|----------|----------|-----------------|------------|------------|-----------|---------------|
| 2077-60 | 10 | 0.2 | 18.58 | 50 | 1-2 | 9.29 |
| | | | | 55 | 3+ | 8.36 |
| 2077-61 | 25 | 0.5 | 26.11 | 50 | 1-2 | 13.06 |
| | | | | 55 | 3+ | 11.75 |
| 2077-62 | 50 | 1.0 | 28.26 | 50 | 1-2 | 14.13 |
| | | | | 55 | 3+ | 12.72 |
| 2077-63 | 100 | 1.0 | 31.80 | 50 | 1-2 | 15.90 |
| | | | | 55 | 3+ | 14.31 |
| 2077-64 | 250 | 2.0 | 43.82 | 50 | 1 | 21.91 |
| | | | | 55 | 2+ | 19.72 |
| 2077-65 | 500 | 5.0 | 81.58 | 50 | 1 | 40.79 |
| | | | | 55 | 2+ | 36.71 |
| 2077-66 | 1000 | 10.0 | 143.38 | 50 | 1-2 | 71.69 |
| | | | | 55 | 3+ | 64.52 |
| 2077-67 | 2000 | 20.0 | 218.61 | 50 | 1-2 | 109.31 |
| | | | | 55 | 3+ | 98.37 |

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 |
|----------|-------------|-------------------|-------------|-------------------------|-------------------|-------------------|------|-----------------------|----------------|
| 2071-01 | 250 | 50-100 | 25 | 81 | 135 | 38-430 | each | 1-5 Multiples of 6 | 29.44 18.68 |
| 2071-05 | 500 | 100-500 | 50 | 102 | 186 | 38-430 | each | 1-5 Multiples of 6 | 29.83 18.94 |
| 2071-08 | 1000 | 250-1000 | 50 | 128 | 215 | 38-430 | each | 1-5 Multiples of 6 | 33.82 22.66 |
| 2071-14 | 2000 | 600-2000 | 200 | 161 | 273 | 38-430 | each | 1 Multiples of 2 | 61.18 38.83 |



Replacement Screw Cap for Erlenmeyer Flasks

| | | | |
|---------|---------|--------|------|
| 2071-10 | Kimble | 28-410 | 3.01 |
| 2071-11 | Corning | 38-430 | 2.86 |

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 | List Price | % Off List | Qty Break | Your Cost |
|----------|-------------|-----------------------|----------------|-------------|------|------------|------------|-------------------------|----------------|
| 2058-01 | 125 | 50 - 125 | 25 | 5 | each | | | 1-11 Multiples of 12 | 6.30 4.00 |
| 2059-01 | 250 | 50 - 200 | 25 | 6 | each | | | 1-11 Multiples of 12 | 6.02 3.82 |
| 2060-01 | 500 | 100 - 500 | 50 | 7 | each | | | 1-5 Multiples of 6 | 9.07 5.76 |
| 2063-01 | 1000 | 250 - 1000 | 50 | 9 | each | | | 1-5 Multiples of 6 | 12.23 7.76 |
| 2063-06 | 2000 | 600 - 1800 | 200 | | each | | | 1-3 Multiples of 4 | 28.78 18.27 |
| 2063-11 | 4000 | 1000 - 4000 | 500 | | each | 75.94 | 25 | | 56.96 |



2060-01

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 | List Price | % Off List | Qty Break | Your Cost |
|----------|-------------|-----------------------|----------------|---------|------------|------------|-----------------------|----------------|
| 2050-00 | 50 | 10 - 40 | 10 | pack/12 | 49.84 | 25 | | 37.38 |
| 2052-00 | 100 | 20 - 80 | 10 | pack/12 | 56.36 | 20 | | 45.09 |
| 2055-00 | 250 | 25 - 200 | 25 | pack/12 | 49.64 | 25 | | 37.23 |
| 2056-01 | 600 | 50 - 500 | 50 | each | | | 1-5 Multiples of 6 | 7.40 4.69 |
| 2057-01 | 1000 | 50 - 1000 | 50 | each | | | 1-5 Multiples of 6 | 13.94 8.85 |
| 2057-06 | 2000 | 200-1800 | 100 | each | | | 1-3 Multiples of 4 | 27.64 17.55 |



Graduated Beakers, Griffin (Nalgene 1201)

Polypropylene, translucent and autoclavable beakers are virtually unbreakable. Silk-screened graduations. Excellently designed for general laboratory use.

| Item No. | Capacity mL | Subdivision mL | Qty | List Price | % Off List | Your Cost |
|----------|-------------|----------------|---------|------------|------------|-----------|
| 2077-06 | 50 | 10 | pack/12 | 89.54 | 50 | 44.77 |
| 2077-10 | 100 | 10 | pack/12 | 109.68 | 50 | 54.84 |
| 2077-14 | 250 | 25 | pack/6 | 98.11 | 50 | 49.06 |
| 2077-18 | 600 | 100 | pack/4 | 121.89 | 50 | 60.95 |
| 2077-22 | 1000 | 100 | pack/3 | 115.35 | 50 | 57.68 |





Media Storage Bottles (Kimble)

Popular general use bottles have permanent white enamel graduations and marking spots and are provided with a wide opening (about 30 mm ID). Polypropylene linerless cap provides a flexible secure seal and the polypropylene drip-free pouring ring also protects the rim of the bottle. All bottles, caps and pour-rings can be autoclaved repeatedly. Available in a case of 10.

| Item No. | Size mL | Grad. mL | Div. mL | Apprx. OD in/mm | Apprx. Height in/mm | Cap Color | List Price | % Off List | Your Cost |
|----------|---------|----------|---------|-----------------|---------------------|-----------|------------|------------|---------------|
| 2074-02 | 100 | 20-80 | 10 | 2.2/56 | 3.9/100 | blue | 97.13 | 25 | 72.85 |
| 2074-03 | 250 | 50-200 | 25 | 2.8/70 | 5.4/138 | blue | 106.92 | 25 | 80.19 |
| 2074-06 | 500 | 100-400 | 50 | 3.4/86 | 6.9/176 | blue | 127.82 | 25 | 95.87 |
| 2074-09 | 1000 | 100-900 | 50 | 4.0/101 | 8.9/225 | blue | 155.44 | 25 | 116.58 |



| Item No. | Description | Qty | List Price | % Off List | Your Cost |
|----------|---------------|---------|------------|------------|--------------|
| 2074-45 | blue caps | pack/10 | 37.52 | 18 | 30.77 |
| 2074-46 | white caps | pack/10 | 37.63 | 18 | 30.86 |
| 2074-47 | orange caps | pack/10 | 37.63 | 18 | 30.86 |
| 2074-23 | pouring rings | pack/10 | 13.57 | 18 | 11.13 |



Wash Bottles, Wide Mouth (Bel-Art Scienceware)

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

| Item No. | Capacity mL/oz. | Qty | List Price | % Off List | Your Cost |
|----------|-----------------|---------|------------|------------|--------------|
| 2076-03 | 250/8 | pack/12 | 56.80 | 20 | 45.44 |
| 2076-06 | 500/16 | pack/6 | 33.65 | 20 | 26.92 |
| 2076-09 | 1000/32 | pack/3 | 25.90 | 20 | 20.72 |



Wash Bottles, Unitary

Translucent and unbreakable low density polyethylene, with a built-in delivery tube making it a one-piece wash bottle. Available as a pack of 12.

| Item No. | Capacity | Graduated Interval | List Price | % Off List | Qty Break | Your Cost |
|----------|----------|--------------------|------------|------------|-----------|--------------|
| 4410-03 | 250 mL | 50 mL | 58.29 | 40 | 1-2 | 34.97 |
| | | | | 49 | 3+ | 29.73 |
| 4410-06 | 500 mL | 100 mL | 70.56 | 40 | 1-2 | 42.34 |
| | | | | 49 | 3+ | 35.99 |

Wide Mouth Polypropylene Reagent Bottles (United Scientific)

Polypropylene bottles are rigid, translucent, have excellent contact clarity, and can be autoclaved.

| Item No. | Mfr Item No. | Capacity (ml) | Height (mm) | Neck Dia. I.D. (mm) | Cap Size (mm) | Qty | List Price | % Off List | Qty Break | Your Cost |
|----------|--------------|---------------|-------------|---------------------|---------------|----------|------------|------------|-----------|---------------|
| 2075-08 | 33311 | 30 | 62 | 21 | 28 | pack/12 | 28.13 | 35 | 1-5 | 18.29 |
| | | | | | | | | 48 | 6+ | 14.63 |
| 2075-09 | 33306 | 60 | 73 | 21 | 28 | pack/12 | 28.14 | 35 | 1-5 | 18.29 |
| | | | | | | | | 48 | 6+ | 14.63 |
| 2075-10 | 33307 | 125 | 100 | 28 | 38 | pack/12 | 44.30 | 35 | 1-5 | 28.80 |
| | | | | | | | | 48 | 6+ | 23.04 |
| 2075-11 | 33308 | 250 | 137 | 33 | 43 | pack/12 | 63.78 | 35 | 1-5 | 41.46 |
| | | | | | | | | 48 | 6+ | 33.17 |
| 2075-12 | 33309 | 500 | 149 | 43 | 53 | pack/12 | 87.73 | 35 | 1-5 | 57.02 |
| | | | | | | | | 48 | 6+ | 45.62 |
| 2075-13 | 33310 | 1000 | 218 | 53 | 63 | pack/6 | 88.60 | 35 | 1-5 | 57.59 |
| | | | | | | | | 48 | 6+ | 46.07 |
| 2075-14 | 33307 | 125 | 100 | 28 | 38 | case/500 | 734.31 | 35 | 1 | 477.30 |
| | | | | | | | | 48 | 2+ | 381.84 |
| 2075-15 | 33308 | 250 | 137 | 33 | 43 | case/250 | 631.26 | 35 | 1 | 410.32 |
| | | | | | | | | 48 | 2+ | 328.26 |
| 2075-22 | 33309 | 500 | 149 | 43 | 53 | case/125 | 463.52 | 35 | 1 | 301.29 |
| | | | | | | | | 48 | 2+ | 241.03 |




Economy Graduated Pitchers

Autoclavable polypropylene. Raised graduations.

| Item No. | Capacity mL | Grad. mL | Top I.D. | Height | List Price | % Off List | Qty Break | Your Cost |
|----------------|-------------|----------|---------------|---------------|------------|------------|-----------|--------------|
| 2057-40 | 250 | 10 | 3.3" (83 mm) | 3.9" (99 mm) | 5.66 | 30 | 1-11 | 3.96 |
| | | | | | | 50 | 12+ | 2.83 |
| 2057-43 | 500 | 10 | 3.8" (97 mm) | 5" (126 mm) | 5.90 | 30 | 1-11 | 4.13 |
| | | | | | | 50 | 12+ | 2.95 |
| 2057-45 | 1000 | 10 | 4.5" (114 mm) | 6.7" (170 mm) | 5.98 | 30 | 1-5 | 4.19 |
| | | | | | | 50 | 6+ | 2.99 |
| 2057-49 | 2000 | 20 | 5.9" (150 mm) | 8.3" (212 mm) | 8.63 | 30 | 1-5 | 6.04 |
| | | | | | | 50 | 6+ | 4.32 |
| 2057-51 | 5000 | 250 | 7.2" (184 mm) | 8.9" (225 mm) | 37.67 | 30 | 1-5 | 26.37 |
| | | | | | | 50 | 6+ | 18.84 |



Disposable Culture Tubes, Screw Neck Finish (Kimble 73750)

Borosilicate glass. Screw caps must be ordered separately. 

| Item No. | Approx. O.D. mm | Approx. Length mm | Overflow Capacity mL | Approx. GPI Thread Finish | Inner Pack Qty | Case Qty | List Price | % Off List | Your Cost |
|----------------|-----------------|-------------------|----------------------|---------------------------|----------------|----------|------------|------------|---------------|
| 3014-48 | 13 | 100 | 8 | 13-415 | 500 | 1000 | 400.04 | 55 | 180.02 |
| 3014-50 | 16 | 150 | 20 | 15-415 | 250 | 1000 | 425.45 | 40 | 255.27 |
| 3014-54 | 20 | 150 | 30 | 18-415 | 250 | 500 | 337.99 | 45 | 185.89 |



Disposable Screw Caps (Kimble 73800)

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

| Item No. | GPI Thread Finish | List Price | % Off List | Your Cost |
|----------------|-------------------|------------|------------|---------------|
| 3014-58 | 13-415 | 144.62 | 35 | 94.00 |
| 3014-60 | 15-415 | 151.61 | 35 | 98.55 |
| 3014-64 | 18-415 | 187.62 | 35 | 121.95 |



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 | 79.20 |
| | | | | | 2+ | 67.32 |
| 3013-48 | 13 X 100 / 1/2 X 4 | 8 | Screw | 500, 20 bags of 25 | 1 | 176.45 |
| | | | | | 2+ | 150.50 |
| 3013-69 | 17 X 100 / .7 X 4 | 14 | Snap | 1000, 40 bags of 25 | 1 | 172.00 |
| | | | | | 2+ | 146.20 |
| 3013-76 | 16 X 120 / .6 X 5 | 15 | Screw | 750, 5 packs of 150 | 1 | 290.96 |
| | | | | | 2+ | 247.31 |
| 3013-65 | 16 X 125 / .6 X 5 | 19 | Screw | 500, 20 bags of 25 | 1 | 169.57 |
| | | | | | 2+ | 144.63 |





3013-81



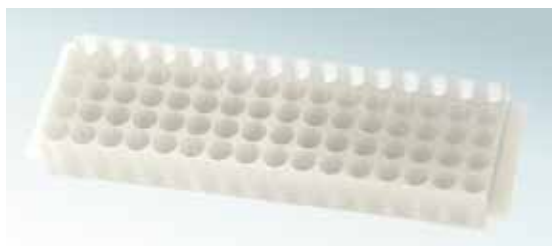
3013-92



3189-10



3014-04



3014-24

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. | Mfr. Item No. | Capacity | Size, mm | Packaging | Qty | Qty Break | Your Cost |
|----------|---------------|----------|----------|---------------------------------------|----------|-----------|--------------|
| 3013-81 | T121-5 | 15mL | 17 X 118 | 50pcs sterile rack, 10 racks per case | Case/500 | 1 | 61.00 |
| | | | | | | 2+ | 55.45 |
| 3013-82 | T121-3 | 15mL | 17 X 118 | 25pcs sterile bag, 20 bags per case | Case/500 | 1 | 44.00 |
| | | | | | | 2+ | 40.00 |
| 3013-91 | T124-5 | 50mL | 29 X 115 | 25pcs sterile rack, 20 racks per case | Case/500 | 1 | 75.00 |
| | | | | | | 2+ | 70.91 |
| 3013-92 | T124-3 | 50mL | 29 X 115 | 25pcs sterile bag, 20 bags per case | Case/500 | 1 | 60.00 |
| | | | | | | 2+ | 50.73 |

PCR Reaction Tube Strips (Simport)

PCR Reaction Tube Strips are made of polypropylene with individually attached caps. The strip includes 8 integral 0.2 ml tubes with ultra-thin sidewalls and bottoms for more uniform and efficient temperature transfer.

Can be easily opened and closed with one hand, their positive sealing will fully protect the contents from evaporation during the whole thermal cycle. The cap has an integral seal preventing contamination with surface of lid.

While more easily handled than single tubes, the strip will precisely fit standard well spacing and can also be used with 8-channel hand-held pipettors. Packed in tamperproof resealable bags.

| Item No. | Mfr Item No. | Capacity (ml) | Qty | Your Cost |
|----------|--------------|---------------|----------|--------------|
| 3189-10 | T320-2N | 0.2 | case/125 | 77.21 |

SureSeal Microcentrifuge Tubes

Microcentrifuge tubes are made of premium polypropylene plastic allowing for a crystal clear tube and centrifugal strength. They feature a secure-snap cap that ensures a strong seal and eliminates leakage and evaporation.

Capable of withstanding boiling temperatures up to 121°C and freezing down to -80°C. Microcentrifuge tubes are RNase, DNase & Pyrogen free.

| Item No. | Mfr Item No. | Capacity (ml) | Qty | List Price | % Off List | Qty Break | Your Cost |
|----------|--------------|---------------|----------|------------|------------|-----------|-------------|
| 3014-04 | C2000 | 1.5 | case/500 | 12.90 | 30 | 1-9 | 9.03 |
| | | | | | 40 | 10+ | 7.74 |

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

| Item No. | Mfr Item No. | Description | Qty | Your Cost |
|----------|--------------|-------------------------|----------|--------------|
| 3189-20 | 111730 | 2mL screwcap microtubes | pack/100 | 14.48 |

Microtube Racks 80-Well (Heathrow Scientific)

Popular fraction-collector-plate style rack

- Made of polypropylene
- Easily fill and transfer 80 tubes in compact arrangement
- Compact arrangement (5 x 16 array)
- Molded-in coordinates to aid organization
- Autoclavable

| Item No. | Mfr Item No. | Tube Size | Well Dia. | Size L x W x H | Color | Qty | Your Cost |
|----------|--------------|-----------|-----------|---------------------|---------|-----------|--------------|
| 3014-24 | HS29025A | 1.5/2.0 | 11 mm | 22.5 x 6.7 x 2.8 cm | Natural | Pack of 5 | 15.60 |

Super Polyfoil™ Autoclaving Wrap (Bel-Art Scienceware)

Polyester backed foil provides a chemically inert barrier to cover vessels for autoclaving, incubating or storage. Resistant to punctures, tears and corrosion. Super Polyfoil™ is great for clinical, research and industrial uses. A thermoplastic layer is laminated to 1mil foil, which folds easily and flattens without kinking. The polyester film blocks any possible pinholes, resists organic solvents and caustic agents and complies with FDA regulations governing direct food contact application. 100 sheets per pack.



| Item No. | Size | List Price | % Off List | Your Cost |
|----------|-------------------------------|------------|------------|-----------|
| 3068-85 | 102 x 102mm (4" x 4") | 35.70 | 20 | 28.56 |
| 3068-86 | 130 x 130mm (5 1/8" x 5 1/8") | 46.55 | 20 | 37.24 |

Parafilm® Dispenser

Designed to offer superior protection from the blade while in use. Safety is especially important on this model, as it features a super sharp blade for easy cutting. The sturdy transparent acrylic housing allows monitoring of the film supply. Holds one or two 2" rolls or one 4" roll.



| Item No. | List Price | % Off List | Your Cost |
|----------|------------|------------|-----------|
| 3068-70 | 129.79 | 30 | 90.85 |



Poxygrid® Labware Drain Stand (Bel-Art Scienceware 18805)

Three rows of hairpin-loop supports (14 in all) hold labware with 18mm I.D. necks or larger. With polystyrene drip tray. May also be wall mounted. 16 3/4" X 6 1/2" X 19" (43 X 17 X 48 cm). Shipping weight 4 1/2 lbs. (2 kg).

| Item No. | List Price | % Off List | Your Cost |
|----------|------------|------------|-----------|
| 3311-10 | 105.60 | 15 | 89.76 |



Drying-Draining Rack (United Scientific Supplies)

The plastic draining rack provides an excellent option for the post-wash draining of tubes and bottles. The back plate has 20 pegs to hold your tubes/bottles and a rack featuring a wastewater tray and drain. 20" H X 14" W X 3" D (508 x 356 x 76 mm)

| Item No. | Your Cost |
|----------|-----------|
| 3311-30 | 103.00 |

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 | 35.32 |
| 3068-91 | 6 X 6 / 152 | 1 mil 0.001 / 0.025 | case/500 | 74.72 |
| 3068-92 | 8 X 8 / 203 | 1.5 mil 0.0015 / 0.04 | case/500 | 129.11 |
| 3068-93 | 12 X 12 / 305 | 1.5 mil 0.0015 / 0.04 | case/500 | 287.14 |

Parafilm® Sealing Film

Flexible, self-sealing sheet material commonly used to seal flasks, tubes, petri dishes, etc. Translucent, odorless, tasteless and with good chemical resistance. At 70°F it can be stretched 200% and will return partially to its original length. At 180 to 200°F it softens sufficiently to make an adhesive bond between papers, cloths, etc. Supplied in dispenser carton. 4" X 250' roll.



| Item No. | Your Cost |
|----------|-----------|
| 3068-60 | 47.03 |

Safety Pipet Filler

Three valves control vacuum for filling and delivering. Fits practically all pipets. Available in either natural rubber, or silicone rubber for a softer feel and greater chemical resistance.



| Item No. | Description | Color | List Price | % Off List | Qty Break | Your Cost |
|----------|----------------|-------|------------|------------|-----------|-----------|
| 3016-30 | Natural Rubber | black | 32.40 | 69 | 1-9 | 10.04 |
| | | | | | 10+ | 7.78 |
| 3016-40 | Silicone | black | 42.73 | 65 | 1-4 | 14.96 |
| | | | | | 5+ | 11.54 |
| | | | | | 73 | 7.78 |
| 3016-32 | Natural Rubber | red | 32.40 | 69 | 1-9 | 10.04 |
| | | | | | 10+ | 7.78 |
| | | | | | 76 | 7.78 |
| 3016-42 | Silicone | red | 42.73 | 65 | 1-4 | 14.96 |
| | | | | | 5+ | 11.54 |
| | | | | | 73 | 7.78 |
| 3016-34 | Natural Rubber | blue | 32.40 | 69 | 1-9 | 10.04 |
| | | | | | 10+ | 7.78 |
| | | | | | 76 | 7.78 |





4332-15



4332-05



4332-48



4333-65



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.

Powder-Free Exam Grade - Light Blue – 4.5 mil thick.

| Item No. | Size | Qty | Qty Break | Your Cost |
|----------|---------|----------|-----------------|-------------|
| 4332-15 | small | pack/100 | 1-9 | 7.00 |
| | | | multiples of 10 | 6.00 |
| 4332-16 | medium | pack/100 | 1-9 | 7.00 |
| | | | multiples of 10 | 6.00 |
| 4332-17 | large | pack/100 | 1-9 | 7.00 |
| | | | multiples of 10 | 6.00 |
| 4332-18 | x-large | pack/100 | 1-9 | 7.00 |
| | | | multiples of 10 | 6.00 |

Powder-Free Exam Grade - Cobalt – 3.0 mil thick.

| Item No. | Size | Qty | Qty Break | Your Cost |
|----------|---------|----------|-----------------|--------------|
| 4332-05 | small | pack/250 | 1-9 | 12.90 |
| | | | multiples of 10 | 10.25 |
| 4332-06 | medium | pack/250 | 1-9 | 12.90 |
| | | | multiples of 10 | 10.25 |
| 4332-07 | large | pack/250 | 1-9 | 12.90 |
| | | | multiples of 10 | 10.25 |
| 4332-08 | x-large | pack/230 | 1-9 | 12.90 |
| | | | multiples of 10 | 10.25 |

Powder-Free Exam Grade - Light Blue – 3.8 mil thick.

| Item No. | Size | Qty | Qty Break | Your Cost |
|----------|---------|----------|-----------------|-------------|
| 4332-00 | small | pack/100 | 1-9 | 5.69 |
| | | | multiples of 10 | 4.88 |
| 4332-01 | medium | pack/100 | 1-9 | 5.69 |
| | | | multiples of 10 | 4.88 |
| 4332-02 | large | pack/100 | 1-9 | 5.69 |
| | | | multiples of 10 | 4.88 |
| 4332-03 | x-large | pack/100 | 1-9 | 5.69 |
| | | | multiples of 10 | 4.88 |

Powder-Free Food Grade - Black – 5.0 mil thick.

| Item No. | Size | Qty | Qty Break | Your Cost |
|----------|---------|----------|-----------------|-------------|
| 4333-65 | small | pack/100 | 1-9 | 8.59 |
| | | | multiples of 10 | 7.50 |
| 4333-66 | medium | pack/100 | 1-9 | 8.59 |
| | | | multiples of 10 | 7.50 |
| 4333-67 | large | pack/100 | 1-9 | 8.59 |
| | | | multiples of 10 | 7.50 |
| 4333-68 | x-large | pack/100 | 1-9 | 8.59 |
| | | | multiples of 10 | 7.50 |

Weber Scientific Disposable Powder-Free Vinyl Gloves

Non-latex alternative offers a flexible ambidextrous fit. Strong and durable. Rolled cuff for easy donning. Smooth finish and 5 mil thickness. 9.5" length. Dispenser box.

| Item No. | Size | Qty | Qty Break | Your Cost |
|----------|---------|----------|------------------|-------------|
| 4331-30 | small | pack/100 | 1-9 | 4.20 |
| | | | multiples of 10 | 3.50 |
| | | | multiples of 100 | 2.99 |
| 4331-32 | medium | pack/100 | 1-9 | 4.20 |
| | | | multiples of 10 | 3.50 |
| | | | multiples of 100 | 2.99 |
| 4331-34 | large | pack/100 | 1-9 | 4.20 |
| | | | multiples of 10 | 3.50 |
| | | | multiples of 100 | 2.99 |
| 4331-36 | x-large | pack/100 | 1-9 | 4.20 |
| | | | multiples of 10 | 3.50 |
| | | | multiples of 100 | 2.99 |





Sterile Screw Cap Specimen Cup (Covidien)

Individually bagged with sterility paper tab. The paper tab cup ensures inside sterility until the tab is broken when the cap is unscrewed. It is ecologically designed to reduce packaging waste and is a good value. 4 1/2 ounce (120 mL) capacity with molded-in graduations in ounces and milliliters. Leak proof positive closing screw cap. Frosted write-on area on the polyethylene cap.

| Item No. | Description | Qty | Qty Break | Your Cost |
|----------------|-------------------------------------|----------|------------|------------------------------|
| 3041-60 | individually bagged, with paper tab | case/100 | 1-9 10+ | 26.43 23.79 |
| 3041-80 | paper sterility tab | case/100 | 1-9 10+ | 28.09 26.52 |



Kimwipes® (Kimberly Clark)

Lint-free laboratory tissues in dispenser box.

| Item No. | Sheet size | Sheets per box | Qty | List Price | % Off List | Qty Break | Your Cost |
|----------------|-----------------|----------------|---------------|------------|------------|-----------------|--------------------------------|
| 3066-05 | 4 1/2" X 8 1/2" | 280 | case/60 boxes | 493.45 | 58 | 1-2 64 3+ | 207.25 177.64 |
| 3066-15 | 15" X 17" | 140 | case/15 boxes | 284.49 | 40 | 1-2 48 3+ | 170.69 147.93 |

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 | Qty Break | Your Cost |
|----------------|--------------|----------|----------|-----------|------------------------------|
| 3254-20 | 10334345 | 15 | pack/100 | 1 2+ | 35.93 31.32 |
| 3254-21 | 10334347 | 18.5 | pack/100 | 1 2+ | 41.53 36.21 |
| 3254-22 | 10334351 | 24 | pack/100 | 1 2+ | 60.76 52.97 |

Filter Paper, Crepe Fluted Circles

Qualitative for gelatinous and coarse precipitates. Folded. Pack of 100.

| | |
|--------------------|--------|
| Flow Rate | Fast |
| Particle Retention | 25 µm |
| Porosity | Coarse |
| Diameter | 240 mm |



| Item No. | List Price | % Off List | Your Cost |
|----------------|------------|------------|--------------|
| 3009-20 | 109.39 | 20 | 87.51 |

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 | 97.53 |

Distillation Kit Graham Condenser, 5000mL

All glass parts are made from Heavy Borosilicate Glass. Sold without thermometer.

- Round Bottom Flask 5000 ml with 24/40 joint - 1 pc
- Round Bottom Flask 3000 ml with 24/40 joint - 1 pc
- 3-Way Distilling Adaptor 24/40 joint - 1 pc
- Vacuum Adaptor Bent 105 deg. 24/40 joint - 1 pc
- Condenser Graham 500 mm, 24/40 joint - 1 pc
- PTFE Thermometer Adaptor for 24/40 joint - 1 pc
- Support Stand 6 inch x 9 inch base with rod 20 inch - 2 Sets
- Extension Clamp - 3 pc
- Clamp Holder - 3 pc
- Keck Clamps - 4 pc
- Pennyhead 24/40 Joint Stopper is included in case. The kit needs to be used without the thermometer adaptor.



| Item No. | Size | Your Cost |
|----------------|---------|---------------|
| 3058-01 | 5000 mL | 413.45 |

Weber Scientific Sterile Sampling Bags

These sterile bags have a number of changes over the previous style:

- Significantly reduced prices!
- Expanded assortment of sizes and styles.
- Bags have just one seam instead of three.
- Puncture proof tabs are longer for more secure closing.
- Heavier weight plastic.



We're confident that you'll enjoy the lower pricing and updated features of this new style bag.



| Item No. | Capacity | | Size | | Description | Thickness mil | Qty/ pack | List Price | % Off List | Your Cost |
|----------|----------|------|------------|-----------|-----------------|---------------|-----------|------------|------------|---------------|
| | Oz. | mL | Inches | mm | | | | | | |
| 3032-51 | 2 | 58 | 3 X 5 | 75 X 125 | write-on | 2.25 | 500 | 46.19 | 30 | 32.33 |
| 3033-51 | 4 | 118 | 3 X 7 1/4 | 75 X 185 | write-on | 2.25 | 500 | 47.54 | 30 | 33.28 |
| 3033-50 | 4 | 118 | 3 X 7 1/4 | 75 X 185 | plain | 2.25 | 500 | 44.26 | 30 | 30.98 |
| 3034-51 | 18 | 532 | 4 1/2 X 9 | 115 X 230 | write-on | 2.25 | 500 | 75.84 | 30 | 53.09 |
| 3034-50 | 18 | 532 | 4 1/2 X 9 | 115 X 230 | plain | 2.25 | 500 | 66.44 | 30 | 46.51 |
| 3034-77 | 24 | 710 | 6 X 9 | 150 X 230 | write-on | 3 | 500 | 105.42 | 30 | 73.79 |
| 3034-75 | 24 | 710 | 6 X 9 | 150 X 230 | plain | 3 | 500 | 92.57 | 30 | 64.80 |
| 3033-20 | 55 | 1627 | 7 1/2 X 12 | 190 X 300 | write-on | 4 | 250 | 87.70 | 30 | 61.39 |
| 3033-21 | 55 | 1627 | 7 1/2 X 12 | 190 X 300 | plain | 4 | 250 | 71.03 | 30 | 49.72 |
| 3033-30 | 100 | 2957 | 14 X 10 | 356 X 254 | write-on | 4 | 250 | 139.47 | 30 | 97.63 |
| 3033-25 | 184 | 5442 | 15 X 20 | 381 X 508 | plain | 4 | 100 | 66.45 | 30 | 46.52 |
| 3033-41 | 24 | 710 | 6 X 9 | 150 X 230 | write-on filter | 4 | 250 | 120.73 | 30 | 84.51 |
| 3033-42 | 55 | 1627 | 7.5 X 12 | 190 X 300 | write-on filter | 4 | 250 | 143.49 | 30 | 100.44 |
| 3033-43 | 69 | 2041 | 7.5 X 15 | 190 X 381 | write-on filter | 4 | 250 | 168.51 | 30 | 117.96 |

Whirl-Pak® Sterile Sampling Stand-up Bags (Nasco)

Works like a beaker or bottle without the cost or storage constraints.

- 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.
- Worry-free, no-leak closure for sample integrity
- Wire tabs hold top open for easy access to add or remove sample for testing or analysis
- Convenient Write-On Strip
- More Effective Than Bottles And Beakers



| Item No. | Mfr Item No. | Capacity | | Size | | Description | Thickness mil | Qty/ pack | List Price | % Off List | Your Cost |
|----------|--------------|----------|-----|-----------|-----------|---------------------------------------|---------------|-----------|------------|------------|--------------|
| | | Oz. | mL | Inches | mm | | | | | | |
| 3033-70 | 01364 | 4 | 118 | 3 X 7 1/4 | 75 X 185 | write-on strip (doubles as fill line) | 2.5 | 500 | 64.30 | 10 | 57.87 |
| 3034-55 | 01365 | 18 | 532 | 4 1/2 X 9 | 115 X 230 | write-on strip | 3 | 500 | 97.00 | 10 | 87.30 |



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

ALL-AMERICAN Portable Sterilizers (WAFCO)

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

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

3058-20



3058-22

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

<http://www.weberscientific.com>

Need replacement parts for this product?
 Visit weberscientific.com or please call 800-328-8378 for assistance.

| Item No. | Mfr. Item No. | Capacity | Description | Power | List Price | % Off List | Your Cost |
|----------------|---------------|-----------------|-----------------------------------|-----------------------|------------|------------|----------------|
| 3058-20 | 50X | 25qt./24 liter | Hi-power, 60-minute bell timer | 120 V 50/60 Hz, 1650W | 1055.99 | 25 | 791.99 |
| 3058-22 | 75X | 41 qt./39 liter | Hi-power; 64% greater capacity | 120 V 50/60 Hz, 1650W | 1365.99 | 25 | 1024.49 |
| 3058-23 | 2180 | | Optional support base for 3058-20 | | | | 65.71 |
| 3058-25 | 4180 | | Optional support base for 3058-22 | | | | 75.71 |



3058-30



3058-32

BioClave™ Benchtop Autoclaves (Biomega)

Compact and economical

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

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

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

| Model | BioClave 16 | BioClave Mini |
|---------------------|--|--|
| Chamber Volume | 16 L | 8 L |
| Chamber Dimensions | 9 x 13.75 in. / 23 x 35 cm | 6.7 x 12.5 in. / 17 x 31 cm |
| Tray Dimensions | 6.5 x 10.75 in. / 16.5 x 27 cm | 4.75 x 9.75 in. / 12 x 24.8 cm |
| Exterior Dimensions | 22 x 17.5 x 15.7 in. / 56 x 44.5 x 40 cm | 20 x 13.5 x 12.9 in. / 51 x 34 x 33 cm |
| Weight | 89 lbs / 40 kg | 74 lbs / 33 kg |
| Electrical | 120/230V, 50-60 Hz / 1600W | |

| Item No. | Description | List Price | % Off List | Your Cost |
|----------------|---------------------------|------------|------------|----------------|
| 3058-30 | BioClave 16 | 5295.00 | 15 | 4500.75 |
| 3058-32 | BioClave 8 | 3859.00 | 15 | 3280.15 |
| 3058-34 | BioClave Printer | 267.00 | 15 | 226.95 |
| 3058-36 | Replacement Printer Paper | 36.00 | 15 | 30.60 |

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 10⁵. 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 | 104.00 |
| | | 2+ | 93.60 |

Self-Contained Biological Indicator Ampule (Crosstex)

Choose from populations of 10⁴

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



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

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

| Item No. | Description | Qty | Qty | Your Cost |
|------------|-----------------|---------|-----|-----------|
| ❄️ 4300-01 | 10 ⁴ | pack/15 | 1-4 | 55.17 |
| | | | 5+ | 49.71 |
| ❄️ 4300-02 | 10 ⁴ | pack/50 | 1 | 130.24 |
| | | | 2+ | 117.32 |

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 | 120.60 |
| | | | | 5+ | 85.15 |

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 | 47.64 |
| | | | | 5+ | 44.16 |
| 3057-20 | 24" x 30" / 610 x 760 | 17 gal/64.35 L | pack/100 | 1-4 | 119.70 |
| | | | | 5+ | 110.93 |
| 3057-22 | 24" x 36" / 610 x 910 | 22 gal/83.28 L | pack/100 | 1-4 | 128.95 |
| | | | | 5+ | 119.50 |

Poxygrid® Biohazard Bag Holder (Bel-Art Scienceware)

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

| Item No. | Diameter inches | Height inches | Fits bag | List Price | % Off List | Your Cost |
|----------|-----------------|---------------|-----------|------------|------------|-----------|
| 3057-28 | 7.3 | 20.5 | 12" x 24" | 66.85 | 10 | 60.17 |
| 3057-30 | 14.6 | 23.5 | 24" x 30" | 80.95 | 10 | 72.86 |
| 3057-32 | 14.6 | 29.5 | 24" x 36" | 84.65 | 10 | 76.19 |



Clavies® Autoclave Gloves (Bel-Art Scienceware)

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

| Item No. | Overall Length | Qty | List Price | % Off List | Your Cost |
|----------|----------------|------|------------|------------|--------------|
| 3057-12 | 13" | pair | 33.50 | 15 | 28.48 |
| 3057-14 | 18.5" | pair | 45.60 | 15 | 38.76 |

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. 18 month warranty.



3055-60



3055-80

DIGITAL MODELS

| Item No. | Capacity cu. ft. | Interior size W x H x D inches / cm | Exterior size W x H x D inches / cm | Temp. range | Controller accuracy | Shelf positions | List Price | % Off List | Qty Break | Your Cost |
|----------|------------------|-------------------------------------|-------------------------------------|--------------------------|---------------------|-----------------|------------|------------|-----------|---------------|
| 3055-60 | 0.7 | 12x10x10 | 13x15x10.75 | 5° above ambient to 60°C | ±0.5°C | 8 | 690.00 | 14 | 1 | 593.40 |
| | | 30.5x25.4x25.4 | 33.0x28x27.3 | | | | | 18 | 2+ | 565.80 |
| 3055-70 | 2.0 | 18x16x12 | 19x21x13 | 5° above ambient to 60°C | ±0.5°C | 14 | 855.00 | 14 | 1 | 735.30 |
| | | 45.7x40.6x30.5 | 48.3x53.3x33 | | | | | 18 | 2+ | 701.10 |

ANALOG MODELS

| Item No. | Capacity cu. ft. | Interior size W x H x D inches / cm | Exterior size W x H x D inches / cm | Temp. range | Controller accuracy | Shelf positions | List Price | % Off List | Qty Break | Your Cost |
|----------|------------------|-------------------------------------|-------------------------------------|--------------------------|---------------------|-----------------|------------|------------|-----------|---------------|
| 3055-80 | 0.7 | 12x10x10 | 13x15x10.75 | 5° above ambient to 60°C | ±0.1°C | 8 | 435.00 | 14 | 1 | 374.10 |
| | | 30.5x25.4x25.4 | 33.0x28x27.3 | | | | | 18 | 2+ | 356.70 |
| 3055-90 | 2.0 | 18x16x12 | 19x21x13 | 5° above ambient to 60°C | ±0.1°C | 14 | 560.00 | 14 | 1 | 481.60 |
| | | 45.7x40.6x30.5 | 48.3x53.3x33 | | | | | 18 | 2+ | 459.20 |

Autoclave Sterility Indicating Tape

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



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

Autoclave Chamber Brite® Cleaner (Heidolph)

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



| Item No. | Qty Break | Your Cost |
|----------|-----------|---------------|
| 3057-40 | 1 | 113.00 |
| | 2+ | 101.71 |

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.



| | |
|-----------------------|---|
| Temp. Range | Ambient +1°C to 60°C (H model) Ambient -15°C to 60°C* (HC model) |
| Temp. Accuracy: | 0.5°C (at 37°C) |
| Temp. Uniformity: | +/- 1°C (at 37°C) |
| Temp. Increment: | 1°C |
| Platform Dimensions: | 9.5 x 11.5 in./ 23.5 x 29 cm |
| Operating Temp. Range | +4 to +65°C |
| Exterior dimensions: | 13.2 x 14.5 x 18.7 in. / 33.5 x 37 x 47.5 cm |
| Interior: dimensions | 10.3 x 9.3 x 12.8 in. / 26 x 23.5 x 32.5 cm |
| Capacity: | 20L, (0.75 cu. ft.) |
| Weight: | 15 lbs / 6.5 kg |
| Electrical: | 120V, 60Hz |
| Warranty: | 2 Years |

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

| Item No. | Mfr. Item No. | Description | List Price | % Off List | Your Cost |
|----------|---------------|----------------------------------|------------|------------|-----------|
| 3055-00 | H2200-H | Digital Incubator, Heat Only | 479.00 | 15 | 407.15 |
| 3055-01 | H2200-HC | Digital Incubator, Heat and Cool | 725.00 | 15 | 616.25 |

Vortex Mixer

Economical and powerful

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



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

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

| Item No. | Description | List Price | % Off List | Qty Break | Your Cost |
|----------|--------------|------------|------------|-----------|-----------|
| 3067-83 | Vortex Mixer | 244.00 | 15 | 1 | 207.40 |
| | | | 20 | 2+ | 195.20 |
| 3067-84 | 3" Flat Head | 34.00 | 15 | | 28.90 |

Digital Hotplates, Stirrers & Hotplate Stirrers
(Benchmark Scientific)

Exceptionally durable, chemical resistant white ceramic work surface.

The digital hotplates, stirrers and hotplate-stirrers feature an exceptionally durable, chemical resistant, white ceramic work surface. 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. 24 month manufacturers warranty.

| Item No. | 3067-64 | 3067-67 | 3067-60 |
|---------------------------|---|--------------------|------------|
| Description | Hotplate Stirrer | Hotplate | Stirrer |
| Temp Range | Ambient +5 - 380°C | Ambient +5 - 380°C | N/A |
| Stirring Speed Range, RPM | 150 - 1500 | N/A | 150 - 1500 |
| Surface Depth x Width | 7" x 7" (17.8 cm x 17.8 cm) | | |
| Size DxHxW | 7.5" x 11.5" x 4" (18 cm x 27.9 cm x 10.1 cm) | | |
| Electrical Data | 115V or 230V, 50-60Hz 500W | | |

| Item No. | Mfr Item No. | Description | List Price | % Off List | Your Cost |
|----------|--------------|--|------------|------------|-----------|
| 3067-64 | H3770-HS | Hot Plate Stirrer | 374.00 | 15 | 317.90 |
| 3067-67 | H3770-H | Hot Plate | 245.00 | 15 | 208.25 |
| 3067-60 | H3770-S | Stirrer | 245.00 | 15 | 208.25 |
| 3067-61 | H3770-TP | Optional Temperature Probe | 104.00 | 15 | 88.40 |
| 3067-62 | H3770-ROD | Optional support rod | | | 39.00 |
| 3067-63 | H3770-CS | Clamp assembly with support rod and clamps for securing thermometer/probes | | | 66.86 |



3067-67



3067-60



3067-64

Scienceware® Stirring Bar

(Bel-Art Scienceware 37110)

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



| Item No. | Size | List Price | % Off List | Your Cost |
|----------|----------------|------------|------------|-----------|
| 3068-15 | 1" x 5/16" | 5.40 | 20 | 4.32 |
| 3068-20 | 1 1/2" x 5/16" | 5.95 | 20 | 4.76 |
| 3068-25 | 2" x 5/16" | 7.40 | 20 | 5.92 |

Spinbar® Magnetic Retrievers

(Bel-Art Scienceware)

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



| Item No. | Size | List Price | % Off List | Your Cost |
|----------|-------------|------------|------------|-----------|
| 3310-05 | 12" (305mm) | 15.15 | 20 | 12.12 |
| 3310-10 | 18" (457mm) | 17.55 | 20 | 14.04 |

Magnetic Stir Bar Arrester (Bel-Art Scienceware)

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



| Item No. | List Price | % Off List | Your Cost |
|----------|------------|------------|-----------|
| 3310-20 | 22.80 | 20 | 18.24 |

Compact Scale (Ohaus CS Series)



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

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

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

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

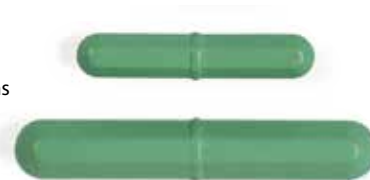
| Item No. | Description | List Price | % Off List | Qty Break | Your Cost |
|----------|----------------|------------|------------|-----------|-----------|
| 1067-10 | 2000 g x 1.0 g | 159.00 | 23 | 1 | 122.43 |
| | | | 25 | 2+ | 119.25 |
| 1067-17 | 200 g x 0.1 g | 159.00 | 23 | 1 | 122.43 |
| | | | 25 | 2+ | 119.25 |
| 1067-18 | 5000 g x 1.0 g | 204.00 | 23 | 1 | 157.08 |
| | | | 25 | 2+ | 153.00 |
| 1067-20 | AC adaptor | | | | 60.00 |

Extra Strong Stir Bar

(Bel-Art Scienceware)

Reduce spinout in viscous solutions

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



| Item No. | Mfr Item No. | Size inches/ mm | List Price | % Off List | Your Cost |
|----------|--------------|----------------------|------------|------------|-----------|
| 3068-07 | 37102-1238 | 1/2 x 3/8 / 13 x 9.5 | 8.60 | 20 | 6.88 |
| 3068-08 | 37102-138 | 1 x 3/8 / 25.4 x 9.5 | 12.60 | 20 | 10.08 |
| 3068-09 | 37102-0238 | 2 x 3/8 / 51 x 9.5 | 26.75 | 20 | 21.40 |
| 3068-10 | 37102-0003 | 3 x 1/2 / 76 x 130 | 31.00 | 20 | 24.80 |

Spinpak® Stirring Bar Assortment

(Bel-Art Scienceware 37163)

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



| Item No. | List Price | % Off List | Your Cost |
|----------|------------|------------|-----------|
| 3068-11 | 41.50 | 20 | 33.20 |

Non-Contact Stirring Bar Retriever

(Bel-Art Scienceware)

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



| Item No. | Your Cost |
|----------|-----------|
| 3310-15 | 10.31 |

QualiTru Aseptic Liquid Flow Solutions

Ensures a high quality sample every-time

QualiTru is the reliable aseptic access solution for Breweries –Line sampling for wild yeast and spoilage bacteria. Yeast culture management.

The QualiTru system is used worldwide in many different industry sectors. Our cost-effective, easy-to-use line of aseptic sampling equipment provides the brewery the assurance that their microbial testing is based on accurate sampling. The QualiTru 12-port system can also be used for adding ingredients. The QualiTru Probe Septum provides access for temperature probes to ensure all processing parameters are reached.

The QualiTru System is easily installed and its low profile design and positive sealing of surfaces makes in-place cleaning simple. Available in both 7 and 12 port configurations, the single-track needle channels reduce the risk of cross-contamination due to multiple samples from a single channel. Aseptic ports come sterilized by ethylene oxide. They are heat stable up to 280°F and pressure stable to 150psi.

TruStream Sampling Kit

| Item No. | Mfr Item No. | Description | Your Cost |
|----------|--------------|---|-----------|
| 3064-15 | 114108 | 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 | 31.69 |



3064-15

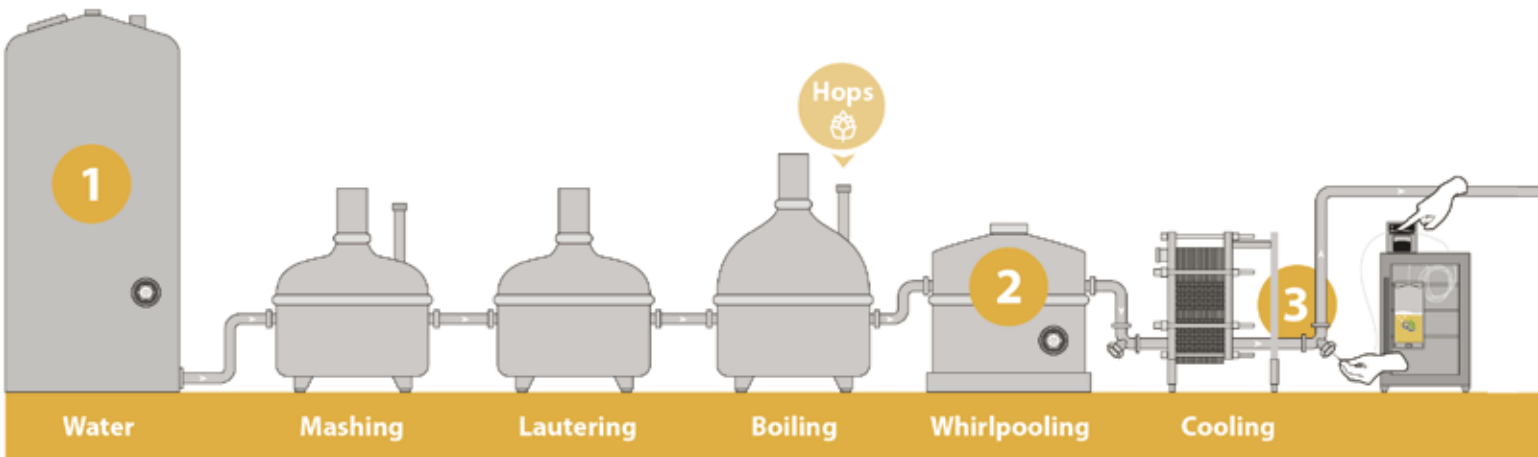


3064-18

Sterile Sampling Membranes

| 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 | 250°F. | 150 psi/ 200 hours | 1-99 100+ | 8.00 6.50 |
| 3064-19 | 110021 | TruStream7 Septa (high temp) sampling membrane, sterile, ind. wrapped | silicone | 300°F. | 150 psi/ 200 hours | 1-99 100+ | 11.42 10.41 |
| 3064-20 | 310121 | Dust cover for 7 port sampling membrane. | | | | | 1.45 |
| 3064-99 | 310011 | Wrench for aseptic sampler | | | | | 35.00 |

Craft Beer processor Application Sites



1 Incoming water sampling
 Installed via a QualiTru TruStream Sanitary Port to test for water ions (calcium, magnesium, sulfate, sodium, chloride, and bicarbonates) and microorganisms counts.

2 Whirlpooling
 Installed via a QualiTru TruStream Sanitary Port to test wort for specific gravity, turbidity and microbiological contamination.

3 Wort Cooling and Peristaltic Pump
 Installed via an inline QualiTru TruStream Sanitary Port to test for microbiological contamination. The peristaltic pump is the key to a controlled sample volume of wort that is collected into the QualiTru Sterile Collection Bags. Since the sampling is a constant flow, you get a complete representative sample of all wort that enters the fermentation tank for the most dependable quality sample available.

4 Fermentation Tank
 Installed via a QualiTru Sanitary Recessed Port in the fermentation tank to obtain an aseptic sample at various times throughout the fermentation process.

QualiTru TruStream Sanitary Ports

All elbow and tank fittings, complete with membrane housing nut, are stainless steel and tooled for a precise fit. Line sampling, and effective CIP, is best accomplished when the sampler is located in an elbow. Elbows are available either tri-clamp (clamp not included) or butt weld. Tank fitting installation can be in outer well or door.

| Item No. | Description | * Your Cost |
|----------|-----------------------------|-------------|
| 3064-21 | tri-clamp elbow, 1 1/2" | 429.80 |
| 3064-23 | tri-clamp elbow, 2" | 434.80 |
| 3064-25 | tri-clamp elbow, 2 1/2" | 527.80 |
| 3064-27 | tri-clamp elbow, 3" | 569.80 |
| 3064-31 | butt weld elbow, 1 1/2" | 429.80 |
| 3064-33 | butt weld elbow, 2" | 464.80 |
| 3064-35 | butt weld elbow, 2 1/2" | 527.80 |
| 3064-37 | butt weld elbow, 3" | 569.80 |
| 3064-39 | tank fitting, non-insulated | 177.80 |
| 3064-41 | tank fitting, insulated | 450.80 |
| 3064-43 | tri-clamp end cap, 1 1/2" | 296.80 |
| 3064-46 | tri-clamp end cap, 2" | 296.80 |
| 3064-49 | tri-clamp end cap, 2 1/2" | 302.40 |

* Possible price volatility due to stainless steel tariffs.



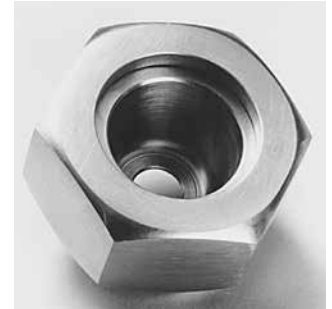
3064-21 to 27



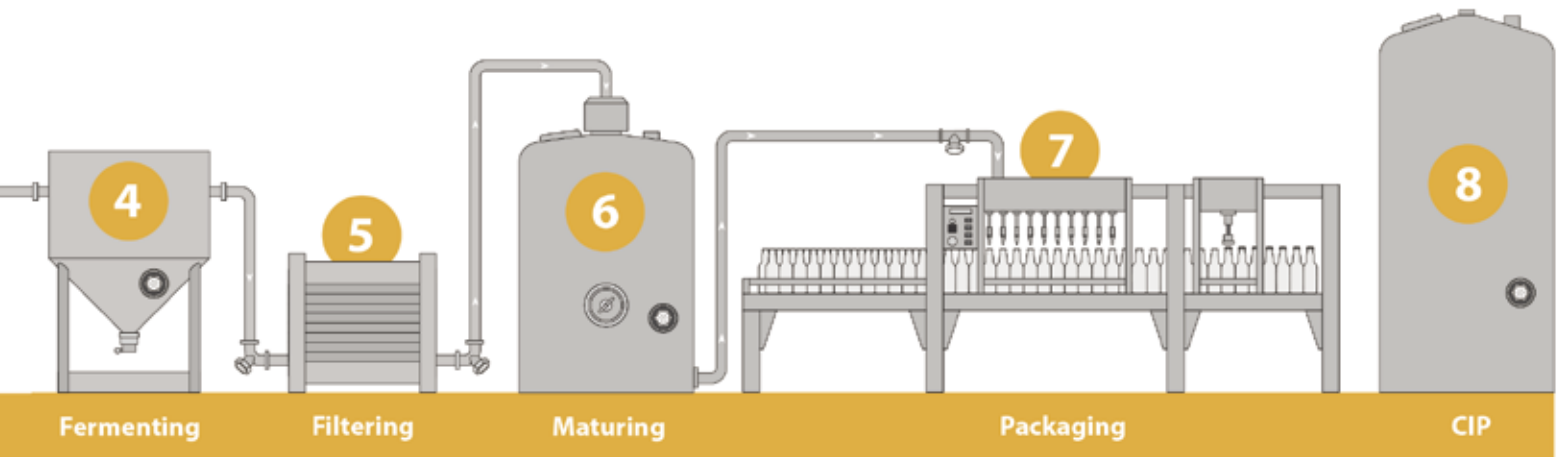
3064-41



3064-31 to 37



3064-39



5 Filtering
 Installed via a QualiTru TruStream Sanitary Port before and after each piece of equipment as part of a system diagnostic function to check for alcohol, turbidity, yeast counts and microbiological contamination.

6 Finished Product Sampling
 Installed via a QualiTru TruStream Sanitary Recessed Port in the finished goods tank to obtain quality samples throughout the beer maturation process.

7 Filler
 Install a QualiTru TruStream Sanitary Port just prior to the filler to obtain a quality sample. Can also be used to check the effectiveness of the system CIP process.

8 Clean in Place (CIP)
 Install a QualiTru TruStream Sanitary Port to sample CIP rinse water to ensure the effectiveness of the process.

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 | List Price | % Off List | Your Cost |
|----------|---------------|----------------------|------------|------------|-----------|
| 3806-57 | 850062 | Test Tube pH Pen | 44.00 | 15 | 37.40 |
| 3806-58 | 850063 | Test Tube ATC pH Pen | 59.00 | 15 | 50.15 |

HALO® Wireless Beer pH Meter (Hanna)

Easily measure pH in mash, wort, and finished beer with the HALO Wireless Beer pH Meter. This HALO is designed for home and craft beer makers.

The specialized electrode features a durable titanium body, high temperature glass sensor, and an extendable cloth type junction for renewable electrode life. All readings are transmitted directly to your Apple or Android device or the edge® blu.

- Take laboratory grade pH and temperature measurements using your smart phone or tablet.
- HALO's smart system tells you when your electrode needs cleaning or calibration.
- High Temperature (HT) glass can stand up to the effects of elevated temperatures leading to longer probe life.
- Renewable Cloth Junction. If clogged, simply clear the junction by extracting 1/8" of the junction from the electrode to expose a new portion, resulting in a renewed junction.
- The titanium body offers increased durability that is ideal for rough environments.
- Display of beer pH and temperature updated every second. Readings are automatically saved to a history file every hour, limited only by the available memory on the device.

| Specifications | |
|-----------------------------------|--|
| Body Material | titanium |
| Electrolyte | gel |
| Range | pH: 0.00 to 13.00 |
| Body Length / Overall Length | 120 mm / 183 mm |
| Recommended Operating Temperature | 0 to 80°C (32 to 176°F) |
| Environment | 0.0 to 50.0°C (32.0 to 122.0°F), electronic module is not waterproof |
| Temperature Sensor | integrated |
| Connection | Bluetooth Smart (Bluetooth 4.0), 10 m (33') range |
| Battery Type/Life | CR2032 3V lithium ion / approximately 500 hours |
| Applications | beer, mash, wort |
| Warranty | 6 months |

| Item No. | Mfr. Item No. | Description | Your Cost |
|----------|---------------|------------------------------|-----------|
| 3804-92 | FC2142 | HALO® Wireless Beer pH Meter | 235.00 |

Order online at weberscientific.com

Ordering – a simple one-time account set-up is all it takes!

- ✓ **Account personalization**
- ✓ **Enhanced navigation**
- ✓ **Simplified ordering in a secure environment**
- Login to access your account information
- Simple online express ordering
- Receive email notification
- View order status
- Track shipping
- View your complete order history

REGISTER TODAY

edge™ Tablet pH Meter Kit (Hanna)

A pH meter with the power of a tablet computer for only \$399!

- 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 |
|----------------|--------------|--|---------------|
| 3804-55 | HI2020-01 | pH kit includes Single ceramic, double junction, high temperature glass, refillable pH electrode with double junction (Weber #3804-56) | 409.00 |
| | | <ul style="list-style-type: none"> • Benchtop docking station with electrode holder, wall-mount cradle, USB cable, 5 VDC power adapter and instruction manual • 2 sachets of pH 4 buffer solutions • 2 sachets of pH 7 buffer solutions • 2 sachets of pH 10 buffer solutions • Electrode cleaning solutions • Quality certificate | |

| Item No. | Mfr Item No. | Description | Your Cost |
|----------------|--------------|---|---------------|
| 3804-56 | HI11310 | Single ceramic, double junction, refillable pH electrode with temperature sensor | 145.00 |
| 3804-57 | HI11311 | Single ceramic, double junction, refillable pH electrode with temperature sensor and matching. Features Sensor Check which will notify you of glass breakage. | 165.00 |
| 3804-58 | HI12300 | Double junction, gel filled, PEI body, pH electrode with temperature sensor | 105.00 |
| 3804-59 | HI12301 | PEI body, double junction, gel filled pH electrode with temperature sensor and matching pin | 115.00 |
| 3804-60 | 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 | 185.00 |
| 3804-61 | 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 | 195.00 |

| | |
|----------------------------------|---|
| Range | 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 |
| Resolution | standard mode: 0.01 pH; 0.001 pH; basic mode: 0.1 mV |
| Accuracy | ±0.01 pH; ±0.002 pH; ±0.2 mV |
| Calibration Points | 5 in standard mode; 3 in basic mode |
| Calibration Buffers | 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 |
| Temperature Compensation | ATC (-5.0 to 100.0°C; 23.0 to 212.0°F) |
| Electrode Diagnostics | standard mode: probe condition, response time and out of calibration range, glass and reference junction diagnostics (HI 11311 & HI 12301 only) |
| Temperature | |
| 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 |
| Additional Specifications | |
| 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 |

ExStik™ Pocket pH Meter

(Extech PH100)

Waterproof flat surface electrode works with liquids, semi-solids or solids!

This pocket-size meter has many advanced features:

- Simultaneous temperature display with a range of 23° to 194°F (-5 to 90°C).
- The flat electrode tests as little as one drop and allows for a wide range of direct surface pH measurement.
- Memory stores and recalls 15 labeled readings and saves last calibrated value.
- Analog bargraph originates at neutral point (pH 7) and fluctuates to the left or right depending upon pH value.
- Smart chip alerts user to recalibrate with “CAL” display, and predicts pH electrode performance with “RENEW” indicator when replacement is needed.
- Display indicates when reading has stabilized.
- Annunciator lists buffer values of last calibration.

Complete with protective sensor cap, sample cup, includes four CR2032 lithium ion batteries; replacement 3039-51 and neck-strap.



SPECIFICATIONS

| | |
|-----------------------------|--------------------------|
| Range | 0.00 to 14.00 |
| Resolution | 0.01 |
| Accuracy | ±0.01 |
| Replaceable Electrode | Yes |
| Waterproof/Splash Resistant | Waterproof |
| Calibration Button | Yes—3 pts |
| Hold Button | Yes |
| Battery Life | Long-life |
| Auto-Off | Yes |
| Size, inches/mm | 6.8" x 1.5"; 173 x 38 mm |
| Warranty | One year |

| Item No. | Description | Your Cost |
|----------------|-----------------------|---------------|
| 3805-70 | Waterproof | 124.98 |
| 3805-71 | Replacement Electrode | 57.49 |



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.

Refillable ExStik™ Pocket pH Meter

(Extech PH110)

Has all the same features as the PH100 (3805-70) but with a refillable pH electrode that can be reused by refilling the reference solution once it depletes. This allows for continuous high accuracy using fresh reference solution, and eliminates the concern of electrode shelf life. Refilling is fast and easy.

Specifications

| | |
|-----------------------------|--------------------------|
| Range | 0.00 to 14.00 |
| Resolution | 0.01 |
| Accuracy | ±0.01 |
| Replaceable Electrode | Yes |
| Waterproof/Splash Resistant | Waterproof |
| Calibration Button | Yes—3 pts |
| Hold Button | Yes |
| Battery Life | Long-life |
| Auto-Off | Yes |
| Size, inches/mm | 6.8" x 1.5"; 173 x 38 mm |

| Item No. | Your Cost |
|----------------|---------------|
| 3805-72 | 162.48 |

Refillable electrode



Replacement Electrode

for 3805-72 (Extech PH115)

| Item No. | Your Cost |
|----------------|--------------|
| 3805-74 | 59.57 |

Reference Refill Solution

for 3805-72 (Extech PH113)

Includes 1.5mL bottle KCl, 2 reference junctions and 2 removal tools.

| Item No. | Your Cost |
|----------------|--------------|
| 3805-60 | 21.66 |



| 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 x 1.5" 165x38mm | 6.5 x 1.5" 165x38mm |

| Item No. | Mfr Item No. | Description | List Price | % Off List | Your Cost |
|----------------|--------------|-------------|------------|------------|--------------|
| 3806-70 | 850050 | non-ATC | 42.00 | 20 | 33.60 |
| 3806-72 | 850051 | ATC | 51.00 | 20 | 40.80 |

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.



| Item No. | 3806-35 |
|-----------------------------|------------------------|
| 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 x 1.5" 165x38mm |

| Item No. | Mfr Item No. | Description | List Price | % Off List | Your Cost |
|----------|--------------|---|------------|------------|-----------|
| 3806-35 | 35364-30 | pHTestr 30, 0.01 pH resolution with temperature display | 127.30 | 20 | 101.84 |
| 3806-40 | 35624-38 | replacement electrode for pHTestrs™ | 77.75 | 20 | 62.20 |
| 3806-56 | 35634-50 | replacement electrode for pH Spear | 213.50 | 20 | 170.80 |



Sure-Flow Epoxy pH Electrode (Orion 9165BNWP) Refillable; Waterproof BNC

Recommended Use: General purpose, ideal for dirty, difficult samples such as soils, sludges, colloids, viscous solutions. Detachable bulb guard included. Easy to clean junction never clogs. Ag/AgCl internal reference system.

| Item No. | List Price | % Off List | Qty Break | Your Cost |
|----------|------------|------------|-----------|-----------|
| 3802-35 | 312.00 | 18 | 1 | 255.84 |
| | | 20 | 2+ | 249.60 |



ROSS® Triode™ Ultra pH/ATC Glass pH Electrode (Thermo Orion 8302BNUMD) Refillable; BNC-MiniDin

Recommend use: General purpose pH where long-life is a must. Ultra means double the life and double the warranty.

| Item No. | List Price | % Off List | Qty Break | Your Cost |
|----------|------------|------------|-----------|-----------|
| 3802-12 | 614.00 | 18 | 1 | 503.48 |
| | | 20 | 2+ | 491.20 |



Triode™ pH/ATC Epoxy pH Electrode (Thermo Orion 9157BNMD)

Refillable; BNC-MiniDin
 Recommend use: Routine pH.

| Item No. | List Price | % Off List | Qty Break | Your Cost |
|----------|------------|------------|-----------|-----------|
| 3802-17 | 398.00 | 18 | 1 | 326.36 |
| | | 20 | 2+ | 318.40 |



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 | List Price | % Off List | Your Cost |
|----------|-----------------|------------|------------|-----------|
| 3815-28 | Single-junction | 99.40 | 20 | 79.52 |
| 3815-29 | Double-junction | 148.10 | 20 | 118.48 |



Gel Filled Epoxy pH Electrode (Oakton 35801-00) Sealed-non refillable; BNC

One year warranty.
Recommended Use: Economical electrode for field, clean water, and general purpose applications.

| Item No. | List Price | % Off List | Your Cost |
|----------|------------|------------|-----------|
| 3815-31 | 55.65 | 20 | 44.52 |



Frequent Buyers Program

About our Frequent Buyers Program.

You'll receive Electronic Frequent Buyers points – called Lab-Points – with every purchase of \$50.00 or more from Weber Scientific. Collect enough points to get terrific FREE gifts.

It's easy to redeem your Lab-Points. Register for the Electronic Frequent Buyer Program by creating a user name and password on this website (<https://frequentbuyers.weberscientific.com>). If you have any questions about our Frequent Buyers Program, please call 800-328-8378.

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

AquaMate 8000 UV-Vis Spectrophotometer (Thermo Scientific Orion)

Highly versatile with a compact design, intuitive operation and innovative features

This high quality, reliable spectrophotometer incorporates advanced features and functions for the ultimate flexibility in operation. Operators can readily create their own custom methods.

An included USB stick contains over 260 preprogrammed methods for easy and convenient measurements using Orion AQUAfast, Merck, CHEMetrics or Hach chemistries. You can download any or all of the preprogrammed methods you want.



Versatility:

- Pre-programmed methods can also be adapted for new chemistries or operators can create their own custom methods and calibration curves
- Instruments allow a one-point adjustment on any preprogrammed method to correct for variations in batch reagent chemistries
- Wide variety of vial sizes can be used, including 10mm square vials, 20 and 50mm rectangular vials and an adjustable round vial holder that accommodates 13, 16, and 24mm round vials
- Three USB connections provide the options to store methods and data to a USB memory stick, transfer data to a computer, and print hard copy data to an external printer
- System is compatible with ink jet and laser printers with HP PCL 5 or greater

Verification:

- Performance verification tests ensure wavelength accuracy and instrument functionality
- Each verification report gives the time, date and instrument serial number in accordance with GLP and GMP
- Built-in wavelength accuracy test is compatible with either the internal lamp or external calibrated standards
- Built-in test methods for stray light, noise and resolution are available to validate instrument performance further

| | |
|------------------------|---|
| Optical Design | Dual beam – internal reference detector |
| Optical Detector | Type Dual silicon photodiodes |
| Spectral Bandwidth | 1.8 nm |
| Lamp (typical life) | Xenon flash lamp (5 years) |
| Photometric: | |
| Accuracy (Photometric) | ±0.005A at 1.0A; <0.00025 at 0.0A |
| Drift | <0.0005A/hr |
| Linearity | Up to 3.5A at 260nm |
| Noise | <0.00050 at 1.0 A; <0.00080 at 2.0 A RMS at 260nm |
| Range (Photometric) | -0.5 to 5.0 A ; -1.5 to 125 %T; ±9999 C |
| Stray Light | <0.08 %T at 220nm and 340nm; <0.1 %T at 340nm and 400nm; <1.0 %T at 198nm Voltage 100 to 240V |
| Wavelength: | |
| Accuracy | ±1.0nm |
| Min. Data Interval | 0.2; 0.5; 1.0; 2.0; 3.0; 5.0nm |
| Range | 190 to 1,100nm |
| Repeatability | ±0.5nm Wavelength Scan Speed 10 to 4,200nm/min |
| Scanning Speed | 10 to 4,200 nm/nm |
| Slew Speed | 11,000nm/min |

| Item No. | Mfr Item No. | Description | List Price | % Off List | Qty Break | Your Cost |
|----------|--------------|---------------------------------|------------|------------|-----------|-----------|
| 3811-00 | AQ8000 | AquaMate 8000 spectrophotometer | 7442.00 | 17 | 1 | 6176.86 |
| | | | | 22 | 2+ | 5804.76 |

Includes: Methods on USB memory stick, Three-position cell holder, User documentation, Dust cover, USB cable, 110V, 220V and 240V power cords.

UV-Transparent Disposable Cuvettes (BrandTech Scientific)

Eliminate the need for cleaning, and the associated risk of sample carryover and cross-contamination. BRAND's UV-transparent, disposable cuvettes replace expensive, fragile quartz cuvettes and are excellent for DNA, RNA, and protein analysis between 230-900nm. Made from a proprietary polycyclical olefin, they can be used with most polar solvents, acids and alkaline solutions.



Filling Volume Min. / Max.: 2.5mL / 4.5mL
Window Dimensions: 10 x 35 mm

| Item No. | Mfr Item No. | Light Path, mm | Qty | List Price | % Off List | Your Cost |
|----------|--------------|----------------|----------|------------|------------|-----------|
| 2013-80 | 759170 | 10 | pack/100 | 86.40 | 16 | 72.58 |

Spectrophotometer Cuvette

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. Matched cells fall well within the accepted pathlength standard of ±0.01mm. Cells exhibit a transmission tolerance within 1.5% at 200nm.



- Far UV Quartz
- Wavelength Range of 170–2700 nm
- Fully Heat-Fused Construction
- External dimensions: 12.5W x 12.5L x 45H mm
- Internal dimensions: 10W x 10L mm
- Sold individually

| Item No. | 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 | 132.89 |
| 2011-73 | 12.5W x 3.5L x 45H mm | 10W x 1L mm | 1 mm | 0.35 mL | Pack/2 | 399.99 |
| 2011-75 | 12.5W x 12.5L x 45H mm | 10W x 10L mm | 10 mm | 3.5 mL | Pack/2 | 556.92 |

Everyday Low Prices

When you do business with Weber Scientific you'll find high quality at our legendary Everyday Low Prices. We make doing business easy.



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.

| Item No. | Description |
|----------|--|
| 3077-02 | 0-14 pH with readings at each whole pH |
| 3077-06 | 0-6.0 pH with readings at each half and whole pH number |
| 3077-08 | 5.5-8 pH with readings at every .2 to .3 interval |
| 3077-07 | 5-9 pH with readings at each half pH number |
| 3077-03 | 6.5-13 pH with readings at each half and whole pH number |

| Item No. | Mfr Item No. | List Price | % Off List | Qty Break | Your Cost |
|----------|--------------|------------|------------|-----------|-----------|
| 3077-02 | 9800 | 17.25 | 30 | 1-5 | 12.08 |
| | | | 40 | 6+ | 10.35 |
| 3077-06 | 9200 | 17.25 | 30 | 1-5 | 12.08 |
| | | | 40 | 6+ | 10.35 |
| 3077-08 | 9700 | 17.25 | 30 | 1-5 | 12.08 |
| | | | 40 | 6+ | 10.35 |
| 3077-07 | 9400 | 17.25 | 30 | 1-5 | 12.08 |
| | | | 40 | 6+ | 10.35 |
| 3077-03 | 9600 | 17.25 | 30 | 1-5 | 12.08 |
| | | | 40 | 6+ | 10.35 |

FREE Samples Are Available

We carry sample inventory for products identified by this symbol. Please contact us to request your free sample.

Weber™ pH Buffers are Color-Coded, Highly Accurate and a Super Best Buy

compare & save

pH Buffer Solution, Color-Coded.

Accurate within ±0.01 pH units of specified value at 25°C. Provided with temperature pH conversion chart printed on the container. 500 mL size packaged in polyethylene bottle with flip-top dispensing cap; 4 liter and 20 liter sizes come in convenient cube container with dispensing spigot.

| Item No. | Size | Qty Break | Your Cost |
|------------------------------------|----------|-----------------|-----------|
| pH 2, clear (no color code) | | | |
| 3076-02 | 500 mL | 1-11 | 10.30 |
| | | Multiples of 12 | 8.60 |
| pH 4, color coded RED | | | |
| 3076-04 | 500 mL | 1-11 | 9.67 |
| | | Multiples of 12 | 8.12 |
| 3076-14 | 4 liter | 1-4 | 44.50 |
| | | 5+ | 40.00 |
| 3076-15 | 4 liter | 1-4 | 50.65 |
| | | cube-pk 5+ | 45.59 |
| 3076-24 | 20 liter | 1-2 | 85.45 |
| | | 3+ | 76.29 |
| pH 5, clear (no color code) | | | |
| 3076-05 | 500 mL | 1-11 | 9.67 |
| | | Multiples of 12 | 8.12 |



| Item No. | Size | Qty Break | Your Cost |
|---------------------------------|----------|-----------------|-----------|
| pH 7, color coded YELLOW | | | |
| 3076-07 | 500 mL | 1-11 | 9.67 |
| | | Multiples of 12 | 8.12 |
| 3076-17 | 4 liter | 1-4 | 44.50 |
| | | bottle 5+ | 40.00 |
| 3076-18 | 4 liter | 1-4 | 50.65 |
| | | cube-pk 5+ | 45.59 |
| 3076-27 | 20 liter | 1-2 | 85.45 |
| | | 3+ | 76.29 |
| pH 10, color coded BLUE: | | | |
| 3076-10 | 500 mL | 1-11 | 9.67 |
| | | Multiples of 12 | 8.12 |
| 3076-20 | 4 liter | 1-4 | 44.50 |
| | | bottle 5+ | 40.00 |
| 3076-21 | 4 liter | 1-4 | 63.93 |
| | | cube-pk 5+ | 57.37 |
| 3076-30 | 20 liter | 1-2 | 85.45 |
| | | 3+ | 76.29 |

Electrode Reference Fill Solution

| Item No. | Mfr. Item No. | Description | Application | Size | List Price | % Off List | Your Cost |
|----------|---------------|---------------------------|--|-----------|------------|------------|-----------|
| 3803-00 | Orion 900011 | Standard Ag/AgCl solution | Single junction pH electrodes; not for use with solutions that react with silver | 5 X 50 mL | 106.00 | 15 | 90.10 |
| 3803-10 | Orion 810007 | 3 M KCl solution | ROSS™ double junction pH electrodes | 5 X 60 mL | 104.00 | 15 | 88.40 |

General Electrode Cleaning Solution

| Item No. | Mfr. Item No. | Description | Application | Size | List Price | % Off List | Your Cost |
|----------|-----------------|-------------------|----------------|-----------------|------------|------------|-----------|
| 3803-20 | Oakton 00653-06 | Cleaning solution | All electrodes | 473 mL (1 pint) | 15.30 | 15 | 13.01 |

Electrode Storage Solution

| Item No. | Mfr. Item No. | Description | Size | Your Cost |
|----------|----------------|------------------|------------------|-----------|
| 3809-51 | Hanna HI70300L | Storage Solution | 500 mL (16.9 oz) | 14.00 |

Dissolved Oxygen Pen

(Sper Scientific)

Simple one-hand operation

- Automatic temperature compensation
- Calibration to air
- Polarographic probe has a built in temperature sensor and easy-to-replace pop-off head
- Simultaneously displays DO and temperature
- Holds readings and recall minimums and maximum
- IP67 waterproof
- Comes with soft carrying case with belt loop, two spare probe heads, electrolyte and 4 AAA batteries
- Dim: 8" x 2" x 1 1/2" / 180 x 40 x 40 mm
- Weight: 6 oz. / 175 g



| Unit of Measure | Range | Resolution | Accuracy |
|--|---------------|------------|-----------|
| Dissolved Oxygen mg/L | 0 - 20.0 mg/L | 0.1 mg/L | ±0.4 mg/L |
| Oxygen % in Air (for calibration reference) | 0-100.0% O2 | 0.1% O2 | ±0.7% O2 |
| Temperature °F | 32-122°F | 0.1°F | ±1.5°F |
| Temperature °C | 0-50°C | 0.1°C | ±0.8°C |

| Item No. | Mfr Item No. | Description | List Price | % Off List | Your Cost |
|----------|--------------|-------------------------|------------|------------|-----------|
| 5010-10 | 850045 | DO Pen | 293.00 | 15 | 249.05 |
| 5010-11 | 850089 | Replacement probe head | 11.00 | 10 | 9.90 |
| 5010-12 | 840044 | Replacement electrolyte | 14.00 | 10 | 12.60 |

Densito Meter (Mettler Toledo)

The handling is easy - just immerse the sampling tube, pull the trigger and read the final result directly in the measurement units you want to use!

- Replacement of hydrometers and pycnometer
- Brix%, °Baumé or °Plato in Food and Beverages
- Alcohol measurement in wine and beer



Specifications

| | |
|----------------------------------|--|
| Measurement range | 0 to 3 g/cm ³ . Resolution 0.0001 g/cm ³ |
| Accuracy | +/- 0.001 g/cm ³ |
| Temperature range | 5-35°; resolution: +/- 0.1°; display: °C or °F |
| Temperature compensation | In order to perform accurate density measurements, the result must be corrected for sample temperature. Densito not only measures the sample temperature very accurately, it also lets you choose a temperature correction coefficient before each measurement. This makes it easy to quickly measure many different types of samples. |
| Clearly visible measurement cell | The most common reasons for bad results are air bubbles or impurities in the measurement cell. Densito's cell is clearly visible at all times. Potential problems are apparent at once. |

| Item No. | Mfr Item No. | Description | List Price | % Off List | Your Cost |
|----------|--------------|-------------------|------------|------------|-----------|
| 3048-25 | 30330857 | Densito Meter | 3100.09 | 10 | 2790.08 |
| 3048-26 | 51325003 | Cleaning Tissues | | | 27.32 |
| 3048-27 | 51325005 | Density Standards | | | 60.80 |
| 3048-28 | 51325006 | Infrared Adapter | | | 263.59 |

Haze Meter for Beer Quality

(Hanna HI847492-01)

Meets ASBC (American Society of Brewing Chemists) standard

This auto diagnostic instrument compensates a beer color to guarantee accurate readings during the brewing process. The optical system consists of an LED and multiple detectors. A two, three or four point calibration can be easily performed at any time using the supplied or user prepared standards.



This meter has all the necessary GLP (Good Laboratory Practice) features to allow maximum traceability of data. Features include a real time clock, log on demand (up to 200 measurements), and Fast Tracker™ —Tag Identification System.

This meter also incorporates a continuous measurement mode to measure the settling rate of suspended matter, and a signal average (AVG) mode to accumulate multiple readings giving a final average value. The average mode is particularly useful to measure samples with suspended particles with different dimensions.

Features a user-friendly interface, with a large backlit LCD and acoustic signals and display codes to guide the user step-by-step through routine operations.

Specifications

| | |
|-----------------|---|
| Range | 0.00 to 9.99 FTU 10.0 to 99.9 FTU 100 to 1000 FTU |
| Range Selection | Automatic |
| Resolution | 0.01 FTU from 0.00 to 9.99 FTU 0.1 FTU from 10.0 to 99.9 FTU 1 FTU from 100 to 1000 FTU |
| Accuracy | ±2% of reading plus 0.05 FTU |
| Repeatability | ±1% of reading or 0.02 FTU, whichever is greater |

| Item No. | Mfr Item No. | Description | Your Cost |
|----------|--------------|---|-----------|
| 3009-05 | HI847492-01 | Supplied with HI 98501-1 Checktemp® thermometer, Checktemp® instruction manual, sample cuvettes and caps (6), calibration cuvettes (HI 847492-11) (4), 25 mL glass vials with caps (4), cuvette cleaning cloth, batteries, AC adapter, instrument quality certificate, instructions and rugged carrying case. | 775.00 |

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) |

| Item No. | Your Cost |
|----------|-----------|
| 5029-03 | 396.41 |



ALCOHOL - Hydrometer

Dual Scale - Proof and Tralle

- Proof Scale measures the... Percent Alcohol by Volume Multiplied by 2
- Tralle Scale measures the... Percent of Alcohol by Weight in Water
- Internal Revenue Specification Proof Scales
- Suitable for Certification... Upon request (additional charge)

| Item No. | Description | Tralle Scale | Div. | Proof Range | Div. | Thermometer |
|----------|---------------------|--------------|------|-------------|------|-----------------------------|
| 3048-05 | Combined Form 330mm | 0 to 100% | 1% | 0 - 200% | 2% | - 10 / 100°F- Spirit Filled |
| 3048-06 | Plain Form 300mm | 0 to 100% | 1% | 0 - 200% | 2% | |

| Item No. | Description | Your Cost |
|----------|---------------------------|-----------|
| 3048-05 | Alcohol Thermo-Hydrometer | 21.04 |
| 3048-06 | Alcohol Hydrometer | 11.13 |



Specific Gravity Hydrometers (Thermco)

These glass hydrometers measure the specific gravity (relative density) of liquids—the ratio of the density of the liquid to the density of water.

| Item No. | Specific Gravity | Length | Divisions | List Price | % Off List | Your Cost |
|----------|------------------|--------|-----------|------------|------------|-----------|
| 3024-86 | 0.895 to 1.0 | 300 mm | 0.001 | 29.45 | 20 | 23.56 |
| 3024-87 | 0.650 to 1.000 | 300 mm | 0.005 | 29.45 | 20 | 23.56 |
| 3024-88 | 1.000 to 1.220 | 300 mm | 0.002 | 29.45 | 20 | 23.56 |
| 3024-89 | 1.200 to 1.420 | 300 mm | 0.002 | 29.45 | 20 | 23.56 |



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 | 207.43 |
| 3048-18 | Beer/Wort | 8 to 16 | 0.1 | 330mm/13" | 25mm | 207.43 |
| 3048-19 | Beer/Wort | 16 to 24 | 0.1 | 330mm/13" | 25mm | 207.43 |

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 | 18.45 |
| 3048-16 | 1200 | 65 x 450 | 34.20 |



BALLING - Hydrometer

Standardized at 17.5°C (63.5°F)

- Balling Hydrometers Measure Sugar Content of Beer and Wort
- Combined Form with Thermometers and Temperature Correction Scales in the Body
- Tolerance is 0.1%
- Standard Temperature 17.5°C (63.5°F)
- Suitable for Certification – Available upon request (additional charge)

| Item No. | Range | Div. | Length | Your Cost |
|----------|-------------|------|--------|-----------|
| 3048-07 | 0 to 8.5° | .1° | 12" | 20.35 |
| 3048-08 | 7.5 to 16° | .1° | 11" | 20.35 |
| 3048-09 | 15.4 to 24° | .1° | 18" | 20.35 |



Total Acidity Kit



Bitterness Kit

DWK Brewing Test Kits (Kimble Chase)

The DWK Brewing Kits include a laminated copy of each full method instructions, lab glassware, and components needed to complete each test. Glass ware is manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements.

Total Acidity Kit includes:

- (3) Class A Volumetric Pipettes, 50 ml
- (1) Straight Buret with PTFE Stopcock, 50 mL
- (6) Tall Form Berzelius Beakers, 200 mL
- (1) Rubber Bulb
- (1) Buret Stand with Clamp

Bitterness Kit Includes:

- (2) Class A Volumetric Pipettes, 5 mL
- (2) Class A Volumetric Pipettes, 10 mL
- (2) Class A Volumetric Pipettes, 1 mL
- (2) Class A Volumetric Pipettes, 20 mL
- (6) Heavy-Duty Centrifuge Tubes with Screw Cap
- (1) Rubber Bulb
- (25) Transfer Pipettes, PE, 5 mL

| Item No. | Mfr Item No. | Description | Your Cost |
|----------|--------------|-------------------|-----------|
| 3009-13 | 37200-1000 | Total Acidity Kit | 270.83 |
| 3009-15 | 37200-2000 | Bitterness Kit | 269.89 |

Aroxa™ “Uno Kit” Beer Flavor Standards (Cara Technologies)

Now is stocked and ships from the United States

Use this set of certified beer flavor standards to deliver up to two hours of taster training for ten people, or as a personal flavor training kit. The kit includes four positive beer flavors, four off-flavors and two taints. The AROXA Uno Beer Flavor Standards kit comes complete with a presentation box and informative flavor cards for each standard. AROXA certified beer flavor standards are: food grade, free from sensory impurities, extensively tested and safe to smell and taste.

Flavor Standards Included:

- 2,3 butanedione: “Diacetyl, like butter, or butter popcorn”
- Dimethyl sulfide: “DMS, like sweetcorn or tomato sauce”
- Ferrous sulfate: “Metallic, like ink or blood”
- Hop oil extract: “Like hoppy ale”
- Hydrogen sulfide: “H₂S, like boiled or rotten egg”
- Isoamyl acetate: “Like bananas or pear drops”
- 3-methyl-2-butene-1-thiol: “Like a skunk or freshly-brewed coffee”
- Trans-2-nonenal: “Papery, like cardboard or oxidized beer”
- 2,4,6-trichloroanisole: “Musty, like corked wine or a damp cellar”
- 4-vinyl guaiacol: “Phenolic, like cloves or wheat beer”

| Item No. | Qty Break | Your Cost |
|----------|-----------|-----------|
| 3049-25 | 1-9 | 133.99 |
| | 10+ | 127.29 |



Aroxa™ 3-methyl-2-butene-1-thiol (Cara Technologies)

“Lightstruck, like a skunk or freshly-brewed coffee”

Certified beer flavour standard used to train professional beer tasters to recognize and scale the intensity of lightstruck character. 3-Methyl-2-butene-1-thiol is an off-flavour formed in beer when it is exposed to light.

| Item No. | Your Cost |
|----------|-----------|
| 3049-29 | 133.99 |



Aroxa™ hydrogen sulphide (Cara Technologies)

“H₂S, like boiled or rotten eggs”

Certified beer flavour standard used to train professional beer tasters to recognize and scale the intensity of H₂S character. Hydrogen sulphide is produced by both ale and lager yeasts during fermentation. Contributes to perception of ‘fresh’ character at low levels - off-flavour when present in excess.

| Item No. | Your Cost |
|----------|-----------|
| 3049-30 | 133.99 |



Aroxa™ 2,3-butanedione (Cara Technologies)

“Diacetyl, like butter, or butter popcorn”

Certified beer flavour standard used to train professional beer tasters to recognize and scale the intensity of diacetyl character. 2,3-Butanedione is an off-flavour formed in beer either from the activities of brewer’s yeast or by contaminant lactic acid bacteria.

| Item No. | Your Cost |
|----------|-----------|
| 3049-26 | 133.99 |



Aroxa™ dimethyl sulphide (Cara Technologies)

“DMS, like sweetcorn or tomato sauce”

Certified beer flavour standard used to train professional beer tasters to recognize and scale the intensity of DMS character. Dimethyl sulphide is formed from thermal degradation of malt-derived precursors and to a lesser extent from metabolism of brewer’s yeast. It can also be formed by bacterial contaminants.

| Item No. | Your Cost |
|----------|-----------|
| 3049-28 | 133.99 |



Aroxa™ acetaldehyde (Cara Technologies)

“Acetaldehyde, like emulsion paint or green apples”

Certified beer flavour standard used to train professional beer tasters to recognize and scale the intensity of acetaldehyde character. Acetaldehyde is produced by yeast during fermentation. A positive note at low levels but an off-flavour at higher levels. It is indicative of fermentation problems or poor control of dissolved oxygen in packaging.

| Item No. | Your Cost |
|----------|-----------|
| 3049-27 | 133.99 |



Aroxa™ trans-2-nonenal (Cara Technologies)

“Papery, like cardboard or oxidized beer”

Certified beer flavour standard used to train professional beer tasters to recognize and scale the intensity of papery character. trans-2-Nonenal is an off-flavour associated with beer ageing. It is one of several compounds formed as a result of oxidation reactions which occur in the malting and brewing processes.

| Item No. | Your Cost |
|----------|-----------|
| 3049-31 | 133.99 |



Waterproof Dual Scale Digital Thermometer with Mix/Max and Hold Features (DeltaTRAK)

Essential features for an amazing price

With minimum and maximum memory capability, it will record the lowest and highest temperature reached from last reset, between -40°F to 311°F (-40°C to 155°C) and is accurate within ±1°F (±0.5°C). This waterproof instrument is an ideal food service thermometer for HACCP compliance.

Use this extremely versatile thermometer to verify dishwasher temperature, ensuring that your cookware and dishes have been properly sanitized. The thermometer is completely waterproof for repeated commercial dishwasher use. It can be used where steam or condensation is a problem, or it can be completely submerged into water.

Large easy-to-read display. Comes with a removable see-through probe cover with pocket clip. Factory calibration is N.I.S.T. traceable by lot. Recalibration is possible via a button in the battery compartment.



FlashCheck® Jumbo Display Reduced Tip Probe Thermometer (DeltaTRAK 11066)

This Reduced Tip Probe Thermometer is engineered to set the industry standard for accuracy, durability and readability. It is designed and constructed under exacting standards to meet and exceed specifications required for commercial and professional uses.

- Reduced tip probe provides fast response time
- Ideal for measuring temperature of "thin mass" food such as meat patties, chicken, and fish fillets per FDA Food Code 4-302.12(B)
- Sealed unibody construction and RoHS-compliant
- IP56 waterproof & grease resistant

| | |
|--------------------------|---|
| 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 |

| | |
|-----------------------|--|
| Measurement | Range -40°F to 311°F (-40°C to 155°C) |
| Accuracy | ±1°F (-4°F to 113°F); ±0.5°C (-20°C to 45°C), otherwise ±1.8°F (±1°C) |
| Resolution | 0.1°F (0.1°C) |
| Display Size/Update | 1.5" X 0.5" (38mm X 12.7mm)/Every 2 seconds |
| Probe Size | 3.9" L (99mm L), 0.14" Dia to 0.1" Dia reduced tip (3.5mm Dia to 2.6mm reduced tip) |
| Calibration | Factory calibrated to NIST traceable standards |
| Battery | 1.5V button |
| Battery Saver | Automatic shut off after 10 minutes |
| Regulatory Compliance | NSF and RoHS compliant, CE mark, NIST traceable |
| Body | ABS plastic, operating range -4°F to 190°F (-20°C to 88°C) |

| Item No. | List Price | % Off List | Qty Break | Your Cost |
|----------|------------|------------|-----------|-----------|
| 3029-84 | 20.75 | 28 | 1-4 | 14.94 |
| | | 32 | 5-19 | 14.11 |
| | | 42 | 20+ | 12.04 |

| Item No. | List Price | % Off List | Qty Break | Your Cost |
|----------|------------|------------|-----------|-----------|
| 3028-02 | 16.50 | 28 | 1-4 | 11.88 |
| | | 32 | 5-19 | 11.22 |
| | | 42 | 20+ | 9.57 |



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 | List Price | % Off List | Qty Break | Your Cost |
|----------|--|------------|------------|-----------|-----------|
| 3516-60 | Lollipop Thermometer, accuracy ±1°C | 30.75 | 15 | 1-4 | 26.14 |
| | | | 20 | 5+ | 24.60 |
| 3516-62 | Ultra Lollipop Thermometer, accuracy ±0.4°C | 69.50 | 15 | 1-4 | 59.08 |
| | | | 20 | 5+ | 55.60 |



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 10+ | 5.29 4.44 |
| 3028-68 | 0 to 230°F. | 2 | 2° | spirit | 1-9 10+ | 5.29 4.44 |



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 |



3030-20

Super Long Stem Dial Thermometer

3" dial. 2°F subdivisions. Accuracy is ± one subdivision.

| Item No. | Range | Stem Length inches/mm | Your Cost |
|----------------|--------------|-----------------------|---------------|
| 3030-20 | -40 to 160°F | 12/305 | 24.51 |
| 3030-22 | 0 to 200°F | 36/914 | 92.96 |
| 3030-24 | 0 to 200°F | 48/1220 | 113.57 |
| 3030-26 | 0 to 200°F | 72/1830 | 212.46 |

Certified™ to NIST: To assure accuracy an individually serial-numbered certificate is provided from our ISO 9001 quality certified facility. It indicates standards provided by NIST (National Institute of Standards and Technology).

| Item No. | List Price | % Off List | Qty Break | Your Cost |
|----------------|------------|------------|-----------|--------------|
| 3516-11 | 30.93 | 50 | 1-4 | 15.47 |
| | | 55 | 5-19 | 13.92 |
| | | 60 | 20+ | 12.37 |

CHEMICALS

Alcohol, Isopropyl (2 Propanol)

Reagent for numerous laboratory procedures.

| Item No. | Qty | Qty Break | Your Cost |
|----------------|---------|-------------|---------------|
| 4113-00 | gallon | 1-3 | 33.94 |
| ACS Grade | | Multi. of 4 | 25.89 |
| 4113-06 | 55 gal. | | 625.00 |

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 | gallon | 1-3 | 30.68 |
| ACS Grade | | 4+ | 24.54 |
| 4113-25 | 20 liter | | 98.18 |
| ACS Grade | | | |
| 4113-26 | 55 gal. | | 625.00 |

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 | 334.93 |

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 | gallon | 1-3 | 46.60 |
| | | Multi. of 4 | 41.61 |

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 bottle | 1-3 4+ | 12.30 10.25 |
| 4118-15 | 20 liter cubetainer | 1 2+ | 24.86 22.09 |

Isooctane HPLC TLC Grade

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

| Item No. | Size | Your Cost |
|----------------|---------|---------------|
| 3047-02 | 4 liter | 174.38 |



Smart Brew® Water Testing

Preconfigured kit comes with exactly what's needed to start testing (excluding app software). Packed in a rugged and durable plastic case with secure fasteners and padded compartments. Compatible with iPhone, iPad, and iPod touch with the minimum iOS system version 8.0 and Android version 4.3 with Bluetooth® 4.0



Starter Kit Includes:

- eXact iDip® 525 Photometer
- Cleaning brush
- Instruction manual
- 25 tests of each: pH-II, High Range Total Hardness, Calcium Hardness, Total Alkalinity, Chloride III, Sulfate
- Standard navy blue plastic carrying case

Advanced Kit includes:

- eXact iDip® 525 Photometer
- Cleaning brush
- Instruction manual
- 25 tests of each: High Range Total Hardness, Calcium Hardness, Total Alkalinity, Chloride III, Sulfate
- HM Digital pH/Temp meter



Professional Kit includes:

- eXact iDip® 525 Photometer
- Cleaning brush
- Instruction manual
- 25 tests of each: High Range Total Hardness, Calcium Hardness, Total Alkalinity, Chloride III, Sulfate
- eXact® pH+ Smart Meter System
- pH, TDS, Salinity, Conductivity, and Temperature



| Item No. | Mfr. Item No. | Description | List Price | % Off List | Your Cost |
|----------|---------------|-----------------------------|------------|------------|-----------|
| 3009-22 | 486101-SB-K | Smart Brew Starter Kit | 319.99 | 20 | 255.99 |
| 3009-24 | 486101-SB2-K | Smart Brew Advanced Kit | 409.99 | 20 | 327.99 |
| 3009-26 | 486101-SB3-K | Smart Brew Professional Kit | 599.99 | 20 | 479.99 |

eXact iDip® Smart Brew® Refill Box

Contains refill bottles of each test for quick ordering. Box includes 1 bottle each of: - Total Alkalinity(100 tests). - pH (100 tests). - HR Total Hardness (50 tests). - Calcium Hardness (50 tests). - Chloride (25 tests). - Sulfate (50 tests).



| Item No. | Mfr. Item No. | Description | List Price | % Off List | Your Cost |
|----------|---------------|-----------------------|------------|------------|-----------|
| 3009-28 | 486216 | Smart Brew Refill Box | 84.99 | 30 | 59.49 |

Peracetic Acid/Hydrogen Peroxide Test Kit (LaMotte 7191)



This titration kit can measure either PAA in 15-ppm increments or peroxide concentrations in 50-ppm increments. The hydrogen peroxide equivalence is 1 drop = 50 ppm. The peracetic acid equivalence can be modified to test different concentrations by using a different sample size. The result is a 1 drop = 6, 15, or 300 ppm equivalence.

Do not use for tap water or low levels of peracetic acid.

| Item No. | Mfr. Item No. | Description | List Price | % Off List | Your Cost |
|---|---------------|---|------------|------------|-----------|
| 5049-70 | 7191-01 | Peracetic Acid/Hydrogen Peroxide Test Kit | 75.50 | 20 | 60.40 |
| • Peracetic Acid Titrant 60 mL • Sulfuric Acid 30 mL • Ferroin 15 mL • Hydrogen Peroxide Titrant 2x3 mL • Potassium Iodide 30 mL • Test Tube, 5-10-25 mL, plastic, w/cap | | | | | |

Peracetic Test Kit Components

| Item No. | Mfr. Item No. | Description | Qty | List Price | % Off List | Your Cost |
|----------|---------------|-------------------------------|--------|------------|------------|-----------|
| 5049-71 | S-6155-H | Peracetic Acid Titrant | 60 mL | 9.10 | 20 | 7.28 |
| 5049-72 | 6141WT-G | Sulfuric Acid | 30 mL | 9.10 | 20 | 7.28 |
| 5049-73 | 6410-E | Ferroin | 15 mL | 8.00 | 20 | 6.40 |
| 5049-74 | 5650LWT-G | Hydrogen Peroxide Titrant | 2x3 mL | 13.55 | 20 | 10.84 |
| 5049-75 | 6521-G | Potassium Iodide 20% Solution | 30 mL | 14.05 | 20 | 11.24 |



Products so identified must ship as hazardous materials (HAZMAT).

We welcome you to contact our Customer Service department for additional details about HAZMAT shipping requirements and surcharge fees. In general, HAZMAT fees apply whenever shipped by either UPS or FedEx, currently \$35.00 per shipping carton for ground shipment. Air shipments require a \$98.00 fee. To avoid most HAZMAT fees, if your order contains hazardous materials that require four or more shipping cartons, we will route via common carrier, which may not have any, or have greatly reduced, HAZMAT fees. Additionally, some products identified as HAZMAT may qualify for "Limited Quantity" regulations, eliminating the need for HAZMAT fees. HAZMAT orders are exempted from our 1-2-3 Day Delivery Program.

Colilert® and Colisure® (IDEXX) S

Effortless water testing for coliforms and *E. coli*



- ✓ 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

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 methods¹.
- 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.

¹According to AWWARF Research Applications, May 1993 #4.





Colilert and Colisure P/A 

| Item No. | Description | Qty | List Price | % Off List | Qty Break | Your Cost |
|----------|-----------------------------------|-----------|------------|------------|-----------|---------------|
| WP020 | Colilert Presence/Absence | 20 tests | 157.14 | 31 | 1 | 108.43 |
| | | | | 35 | 2+ | 102.14 |
| WP100 | Colilert Presence/Absence | 100 tests | 688.17 | 32 | 1 | 467.96 |
| | | | | 35 | 2+ | 447.31 |
| WP200 | Colilert Presence/Absence | 200 tests | 1206.75 | 24 | 1 | 917.13 |
| | | | | 27 | 2+ | 880.93 |
| WP020-18 | Colilert 18-hour Presence/Absence | 20 tests | 173.23 | 29 | 1 | 122.99 |
| | | | | 33 | 2+ | 116.06 |
| WP200-18 | Colilert 18-hour Presence/Absence | 200 tests | 1365.40 | 28 | 1 | 983.09 |
| | | | | 32 | 2+ | 928.47 |
| WCLS20 | Colisure Presence/Absence | 20 tests | 178.18 | 32 | 1 | 121.16 |
| | | | | 35 | 2+ | 115.82 |
| WCLS200 | Colisure Presence/Absence | 200 tests | 1372.06 | 29 | 1 | 974.16 |
| | | | | 33 | 2+ | 919.28 |

Also available - Colilert pre-dispensed Most Probable Number (MPN) format

| Item No. | Description | Qty | Your Cost |
|----------|----------------------------|---|---------------|
| W100 | Colilert Pre-Dispensed MPN | 100 disp. 10 mL tubes of pre-dispensed reagent in carrier trays, for ten 10-tube MPN | 164.36 |
| W102 | Comparator Colilert MPN | 10 mL test tube of yellow/fluorescence Colilert comparator | 16.13 |
| W200 | Colilert Pre-Dispensed MPN | 200 disp. 10 mL tubes of pre-dispensed reagent in carrier trays, for twenty 10-tube tests | 296.00 |

Sterile Sample Containers

| Item No. | Description | Qty | Your Cost |
|---|--|--|---------------|
| WV120-20 | Polystyrene Vessel, Tear-Off Label | 20 high clarity 120 mL polystyrene vessels without sodium thiosulfate; w/tear-off label | 16.45 |
|  WV120-200 | Polystyrene Vessel, Tear-Off Label | 200 high clarity 120 mL polystyrene vessels without sodium thiosulfate; w/tear-off label | 120.15 |
| WV120SB-20 | Polystyrene Vessel, Shrink-Band | 20 high clarity 120 mL polystyrene shrink-banded vessels without sodium thiosulfate | 16.45 |
|  WV120SB-200 | Polystyrene Vessel, Shrink-Band | 200 high clarity 120 mL polystyrene shrink-banded vessels without sodium thiosulfate | 120.15 |
| WV120SBST-20 | Polystyrene Vessel, Shrink-Band, w/ST | 20 high clarity 120 mL polystyrene shrink-banded vessels with sodium thiosulfate | 16.45 |
|  WV120SBST-200 | Polystyrene Vessel, Shrink-Band, w/ST | 200 high clarity 120 mL polystyrene shrink-banded vessels with sodium thiosulfate | 120.15 |
| WV120ST-20 | Polystyrene Vessel, Tear-Off Label, w/ST | 20 high clarity 120 mL polystyrene vessels with sodium thiosulfate; w/tear-off label | 16.45 |
|  WV120ST-200 | Polystyrene Vessel, Tear-Off Label, w/ST | 200 high clarity 120 mL polystyrene vessels with sodium thiosulfate; w/tear-off label | 120.15 |
| WV120SBAF-200 | Polystyrene Vessel, Shrink-Band | 200 high clarity 120 mL polystyrene shrink-banded vessels with Anti-foam | 138.34 |

Accessories

| Item No. | Description | Qty | Your Cost |
|----------|---------------------------------|---|---------------|
| WAFDB | Antifoam Solution | 20 mL Dropper Bottle | 16.54 |
| WKIT1001 | Quanti-Cult Q.C. Test Kit | Contains 3 E. coli, 3 K. Pneumonise, 3 P. Aeruginosa | 169.57 |
| WL160 | Hand Held U.V. Lamp | 6 watt U.V. lamp with tube and A.C. cord | 118.59 |
| WL161 | Bulb | 1 Replacement bulb for Hand Held U.V. Lamp | 39.80 |
| WL200 | Pocket U.V. Fluorescent Lamp | 4 watt battery powered U.V. lamp. 4 AA batteries (not included) | 38.01 |
| WP104 | Comparator Colilert/Colilert-18 | Vessel filled with 100 mL Colilert color and fluorescence comparator for distinguishing positive from negative test | 7.67 |
| WVR20 | Vessel Rack | Nylon coated wire rack for up to 20 polystyrene vessels | 38.13 |
| 3432-00 | Rechargeable UV Lamp | Portable/Rechargeable UV Lamp 365 NM, 6 watt | 393.81 |



FREE with every order for \$100 or more when you purchase Colilert or Colisure P/A reagent.

Our exclusive E. coli Happens coffee mug is yours absolutely free while supplies last. Be sure to specify promo code: **ECM1105** when placing your order. One mug per order, please.



Sample of Colilert Reagent and Vessel available upon request.

BrewLab™ and BrewLab Plus™ (LaMotte)

Test kit for craft beer

Experts agree water conditions affect your final product, so take the mystery out of making great beer. This test kit quantifies six important water test factors. BrewLab Plus includes a digital pH meter for monitoring batches from start to finish.



Specifications

| Test Factor | Range | Number of Tests |
|--|--------------------------|-----------------|
| Hardness (Total and Calcium) Calcium: Helps prevent enzymes from denaturing and extends their activity in the mash, promoting clarity, flavor and stability in the finished beer. Magnesium: In small amounts Mg is an important yeast nutrient. The better the "yeast ferment", the cleaner the alcohol produced. | 0-200 ppm† as CaCO3 | 50 at 200 ppm |
| Alkalinity Directly affects your water and your beer's pH level. Water with low alkalinity is subject to dramatic pH changes. Know the alkalinity of the water before you brew to determine if you need to adjust your pH prior to brewing. Alkalinity coupled with calcium and magnesium hardness can help you estimate the end pH of your beer. | 0-200 ppm† as CaCO3 | 50 at 200 ppm |
| Sulfate Controls the bitterness level of your finished beer by adjusting sulfates. | 0-200 ppm sulfate 50 | 50 |
| Chloride Accentuates hop character, helps dry the beer finish. Tastes minerally with high concentrations of sodium, chloride, and bicarbonate. | 1 drop = 10 or 25 ppm | About 80 |
| pH Measure the pH before and during the brewing process since it affects the test of your brew. Although testing the pH of the water before you brew is important to establish your starting point, it is even more essential to test during the process to ensure you optimize your ingredients. pH test strips and papers work fine for pre-tests, but a digital pH meter is recommended for testing during brewing. | 0.0-14.0 pH | unlimited |

† and higher

| Item No. | Mfr. Item No | Description | Your Cost |
|----------------|--------------|--|---------------|
| 3009-10 | 7189 | BrewLab Basic | 129.00 |
| 3009-11 | 7188 | BrewLab Plus includes digital pH meter | 199.00 |

Insta-Test Test Strips (LaMotte)

Very useful in dairy, food and beverage plants.

Single Factor Test Strips



| Item No. | Mfr. Item No. | Description | Range (ppm) | Qty | Values (ppm) | List Price | % Off List | Qty Break | Your Cost |
|----------------|---------------|---|---------------|-----|--|------------|------------|---------------|------------------------------|
| 5049-03 | 2997 | Alkalinity | 0-180 | 50 | 0, 40, 80, 120, 180 | 12.25 | 18 | 1-9 21 10+ | 10.05 9.68 |
| 5049-06 | 2999 | Chlorine Dioxide | 0-10 | 50 | 0, 0.25, 0.5, 1, 3, 10 | 12.20 | 18 | 1-9 21 10+ | 10.00 9.64 |
| 5049-09 | 3002 | Chlorine Dioxide | 0-500 | 50 | 0, 10, 25, 50, 100, 250, 500 | 12.20 | 18 | 1-9 21 10+ | 10.00 9.64 |
| 5049-45 | 2964-G | Chlorine, Free, Low Range | 0-10 | 25 | 0, 0.25, 0.5, 1, 3, 5, 10 | 7.40 | 18 | 1-9 21 10+ | 6.07 5.85 |
| 5049-48 | 3031 | Chlorine, High Range | 0-800 | 50 | 0, 50, 100, 250, 500, 800 | 21.35 | 18 | 1-9 21 10+ | 17.51 16.87 |
| 5049-12 | 2979 | Chlorine, Total | 0-5 | 50 | 0, 0.5, 1, 3, 5 | 12.20 | 18 | 1-9 21 10+ | 10.00 9.64 |
| 5049-15 | 2981 | Hardness, Low Range | 0-180 | 50 | 0, 30, 60, 120, 180 | 12.50 | 18 | 1-9 21 10+ | 10.25 9.88 |
| 5049-21 | 3000 | Peracetic Acid | 0-160 | 50 | 0, 10, 20, 40, 60, 85, 160 | 11.45 | 18 | 1-9 21 10+ | 9.39 9.05 |
| 5049-42 | 3000LR | Peracetic Acid, Low Range | 0-50 | 50 | 0, 5, 10, 20, 30, 50 | 11.30 | 18 | 1-9 21 10+ | 9.27 8.93 |
| 5049-54 | 3000HR | Peracetic Acid, High Range | 0-1000 | 50 | 0, 50, 100, 250, 500, 1000 | 11.30 | 18 | 1-9 21 10+ | 9.27 8.93 |
| 5049-51 | 2984LR | Peroxide | 0-50 | 25 | 0, 1, 3, 10, 30, 30, 50 | 12.25 | 18 | 1-9 21 10+ | 10.05 9.68 |
| 5049-24 | 2984 | Peroxide | 0-90 | 25 | 0, 15, 30, 50, 90 | | | | 7.89 |
| 5049-18 | 2974 | pH, Wide Range | 4-10 (pH) | 50 | 4, 5, 6, 7, 8, 9, 10 | 12.50 | 18 | 1-9 21 10+ | 10.25 9.88 |
| 5049-58 | 2934 | QAC (Quaternary Ammonia Compound) test strips | 0-80 0-800 | 50 | 0, 10, 20, 40, 80 0, 100, 200, 400, 800 | 8.75 | 18 | 1-9 21 10+ | 7.18 6.91 |

HOW TO ORDER



PHONE:
800-328-8378
8:00 a.m. to 5:00 p.m. EST
(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



FREE samples are available. What better way to evaluate a product than a free sample? Simply request your desired item by Weber item number and mention that you want a sample.

- ✓ No Minimum Order.
- ✓ In-Stock for Immediate Shipment.

- ✓ Order Risk-Free with Our No-Nonsense Satisfaction Guarantee.
If you are not totally satisfied, call our customer service department within 30 days for replacement or return authorization.



LARGE VOLUME PRICING IS AVAILABLE!



You'll find our heavily discounted prices to be a terrific value. However, if you use a large volume we'd be delighted to quote high volume pricing over and above our lowest priced quantity breaks.

Tom Boudreau
Market Specialist, Beer
tboudreau@weberscientific.com

ORDER ONLINE AT WEBERSCIENTIFIC.COM

Terms

We accept Visa, MasterCard or American Express. Net 30 day terms are also available after establishment of a credit relationship. To apply for credit please call 800-328-8378 and request our credit application.



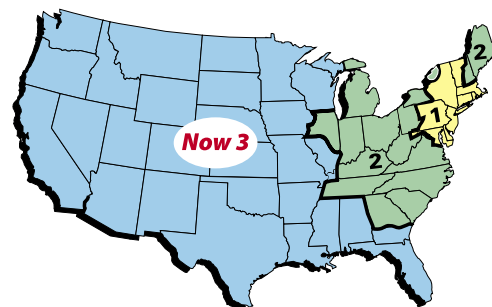
RECEIVE FREE FREIGHT UPGRADES WHEN YOU ORDER FROM WEBER SCIENTIFIC!

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

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

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

Place your order by 3:30 PM (Eastern Time zone) and your order will ship that very same afternoon. Based on UPS delivery schedule (see map) your order will be routed via basic ground service if delivery is scheduled at 3 business days or less. If the UPS delivery schedule indicates more than 3 business days, we will upgrade your order to 3 Day Select service at no extra charge to you. You pay only for basic ground service.





PRSR STD
US POSTAGE
PAID
U.S. Press
31601

800-328-8378

www.weberscientific.com

BECA0719

Mailing list updates

Please keep us updated! If you want to be removed from our mailing list or have someone else removed, change a name, title or address or eliminate duplicate copies, please complete the section to the right and forward this page (including the mailing label above) by fax: 609-584-8388, email: info@weberscientific.com, or mail: Weber Scientific, 2732 Kuser Road, Hamilton, NJ 08619, Attn: Mailing List

- Remove me from your mailing list for the printed catalog.
- Remove me from your mailing list for all printed materials.
- Remove the following person as they are no longer at this company:

- Name/Address/Title change: _____

- Other: _____



Earn FREE Gifts Through Our Frequent Buyers Program!

This program was specifically designed as a way for us to express our continuous gratitude to our loyal and valued customers. Collect and redeem "Lab-points" for a variety of free gifts!

With every purchase of \$50 or more, Lab-points will automatically get added to an electronic point bank linked to your customer account. Points earned are based on the total value of each purchase. For example:

Spend \$50.00 - \$99.99, get **10 Lab-points**

Spend \$100.00 - \$149.99, get **20 Lab-points**

Spend \$150.00 - \$199.99, get **30 Lab-points**, and so on.

The bank continually updates your points when purchases are made and points are redeemed. And it's simple to create an account! Just go to <https://frequentbuyers.weberscientific.com> to register or to obtain more information about the program.

You can view the gifts available after your account has been created or by going to <https://www.weberscientific.com/literature> and scrolling down to the Frequent Buyers Program Catalog. Here you can download the catalog or submit a request to have a printed copy mailed to you.

If you have questions, please call **800-328-8378** or email us at info@weberscientific.com. We hope you take advantage of this program and enjoy these entertaining and whimsical FREE gifts!