

All World Scientific

17120 Tye Street SE, Suite D - Monroe WA 98272

**WINEMAKERS ANALYSIS
TESTING SUPPLIES**

2024

Hours (West Coast)

Mon-Fri 9:00am - 3:00pm

Will Call

***Please call 24 hours
ahead for order pick-up***

Phone Orders

(800) 289-6753

(360) 453-2090

Email

sales@awscientific.com

Web Orders

www.wine-testing-supplies.com



All World Scientific supplies winemakers nationwide with quality standard and specialty merchandise. We provide the latest in equipment and supplies to assure accuracy and efficiency in wine testing. We employ a helpful, knowledgeable sales department to make placing your orders easier.

PRICING: All pricing is current at the time of publication, though subject to change without prior notification.

MINIMUM ORDER: None

FOB: Monroe, WA or Ship Point for drop ship orders



TERMS: Net 30 days, after credit is established. Visa, MasterCard, Discover and American Express accepted.

SHIPPING: All materials are shipped the most economical way possible in accordance with all carrier and DOT regulations. Prices normally include packaging, although occasionally special packaging charges may be added, where required, on hazardous materials. Express orders may be shipped via UPS (NEXT DAY, SECOND DAY or THIRD DAY),

FREIGHT CLAIMS: Upon arrival of shipment all packages should be inspected for damage or shortages. Do not accept damaged items until the carrier's driver makes a damage notation on your freight bill of lading. If damage is concealed, the carrier's inspector must be notified of the concealed damage and an inspection request must be made within 7 days of receipt.

Under ALL circumstances retain damaged containers and packing materials for inspection. Damaged shipments, and all claims for such, are the responsibility of the carrier. If a shortage is noted upon arrival of a shipment, have the carrier's driver make an appropriate notation on your freight bill or receipt, and file a claim with the carrier. If shortage is concealed and not noticed until a later date, notify All World Scientific Customer Service Department for assistance.

WARRANTY: Warranty applies to equipment only for the warranty period stated in literature furnished with the products and applies only to the original purchases. Questions regarding repairs to products with expired warranties should be referred to our Customer Service Dept. All warranted items are for repair or replacement, depending on the manufacturer's policy, credit will not be issued. If a problem develops with any materials purchased from All World Scientific please write, call or fax All World Scientific Customer Service Department for assistance in resolving the situation promptly.

RETURNS: In order to obtain credit for returned materials or for a Warranty Repair, a Returned Goods Authorization (RGA) number must be issued by the AWS Customer Service Department. Returns must be made within 30 days of receipt of RGA#. Returns are subject to a restocking fee and/or disposal charge, though application of these charges will depend on the particular circumstances of the situation. Returns which will not be accepted include: Containers which have been opened, products which have exceeded expiration dates, or products requiring refrigeration which have deteriorated for lack of refrigeration.

AVAILABILITY: We endeavor to keep most of the items listed in this catalog in stock for immediate shipment from our warehouse in Lynnwood. However; we may experience occasional delays from manufacturers.

NOTICE: The chemicals and solutions listed in this catalog are offered for laboratory or manufacturing use only.

We believe that the information and data included in this catalog is true and accurate at the time of publication. Any recommendations or suggestions are made without warranty or guarantee of any kind. Consequently, we can assume no responsibility connected with the use of any of the products or the information included herein. All World Scientific shall not be responsible for any incidental or consequential damages whatsoever.





Notice Regarding Chemical Shipments

Due to federal and international hazardous material shipping regulations, some chemicals are unable to ship via expedited AIR and must be sent via GROUND Shipment.



When possible, AWS will ship large chemical and supply orders via truck to reduce your freight costs. AWS staff can assist you in preparing larger orders to reduce freight costs.

Please Call AWS Customer Service for questions regarding Hazardous Materials

**Most HAZ chemicals can
NOW ship UPS Ground as
"Haz Exempt"**



Dear Winemaker,

AWS has been able to keep costs down on all of our products from chemicals, glassware, plasticware and equipment with a minimal price increase, by sourcing from quality and reliable manufacturers that service the laboratory market.

We will strive to keep adding new and exciting products that help make your analysis faster and more precise.

As in years in the past, we are your partner in wine testing and carry a complete line of products to fulfill your tasks. AWS has no minimum orders and strives to keep most items in stock for immediate shipment.

Thanks again for letting AWS earn your business, have a wonderful harvest!

AWS Sales Team

To purchase from AWS
you may choose the following:

Phone: (800) 289-6753

Email: sales@awscientific.com

Website:

www.wine-testing-supplies.com

Aeration Oxidation Assembly for Free Sulfur Dioxide w/Diaphragm Air Pump (Option B)

170-3575 \$433.70

This method is independent of other components, it provides a more correct value for the acid-released free SO₂. This assembly uses a diaphragm air pump which sends a small volume of air through the assembly. You no longer will need a water source or expensive pump to perform the analysis for free SO₂.

471-2358	1/Each	Flask, Sidearm, 100ml
471-3100	1/Each	Impinger Set
471-3016	1/Each	Impinger Stand
060-4512	1/Each	Diaphragm Pump
471-3964	1/Each	Pipet, Vol. 20ml, Class A
030-9745	1/Each	Cylinder, PMP, 100ml
065-8866	2/Each	Clamp, General Purpose
060-7281	1/Each	Stand, Metal, 5x8"
033-1240	1/Each	Dispenser, 5-25ml
170-3880	1/Each	Tubing & Stopper Set
170-2849	1/Each	Sodium Hydroxide 0.01N, 16oz
170-4648	1/Each	Phosphoric Acid 25%, 32oz
170-2121	1/Each	Hydrochloric Acid 0.01N, 2oz
175-2177	1/Each	Hydrogen Peroxide 30%, 1oz
175-3577	1/Each	Vacuum Aspir. SO ₂ Indic., 0.5oz
170-1589	1/Each	Dilute Acid for SO ₂ , 1oz
170-1603	1/Each	Dilute Base for SO ₂ , 1oz
170-4180		Instructions

Aeration Oxidation Assembly for Free Sulfur Dioxide w/Water Aspirator (Option A)

170-3570 \$435.95

This method is independent of color or other components, it provides a more correct value for the acid-released free SO₂. An aspirator pump that attaches to a lab faucet is included as a vacuum source, but a vacuum pump may also be used.

471-2358	1/Each	Flask, Sidearm, 100ml
471-3100	1/Each	Impinger Set
471-3016	1/Each	Impinger Stand
030-4737	1/Each	Aspirator Pump
471-3964	1/Each	Pipet, Vol. 20ml, Class A
030-9745	1/Each	Cylinder, PMP, 100ml
065-8866	2/Each	Clamp, General Purpose
060-7281	1/Each	Stand, Metal, 5x8"
170-3885	1/Each	Tubing & Stopper Set
033-1240	1/Each	Dispenser, 5-25ml
170-2849	1/Each	Sodium Hydroxide 0.01N, 16oz
170-4648	1/Each	Phosphoric Acid 25%, 32oz
170-2121	1/Each	Hydrochloric Acid 0.01N, 2oz
175-2177	1/Each	Hydrogen Peroxide 30%, 1oz
175-3577	1/Each	Vacuum Aspir. SO ₂ Indic., 0.5oz
170-1589	1/Each	Dilute Acid for SO ₂ , 1oz
170-1603	1/Each	Dilute Base for SO ₂ , 1oz
170-4186		Instructions

Alcohol Determination by Distillation followed by Hydrometry Assembly

170-4510 \$278.70

An inexpensive test to determine alcohol content in your wine. This assembly comes complete to perform the distillation, but you will need to purchase separately the correct hydrometer from the Optional Items below, to perform the hydrometry.

170-4523	1/Each	Alcohol Distillation Apparatus
471-3635	1/Each	Volumetric Flask, 250ml
175-3521	1/Each	Tubing, Latex, 12'
170-1218	1/Pack	Boiling Stones, 30g
175-3556	1/Each	Tubing, PVC, 3/8" ID x 1'
611-7808	1/Each	Thermometer, Dual Range
170-1546		Instructions

Optional Items for Alcohol Determination Assembly:

060-7441	Bunsen Burner (Natural Gas) Heat Source
065-8698	Alcohol Lamp
170-2198	Hydrometer 0-5% Alcohol, 9" 60F
170-2212	Hydrometer 5-10% Alcohol, 9" 60F
170-2205	Hydrometer 10-15% Alcohol, 9" 60F
170-2188	Hydrometer 15-20% Alcohol, 9" 60F
010-9065	Hydrometer Cylinder, Pyrex Glass, 390mm
471-5641	Hydrometer Cylinder, Glass, 12"
170-1442	Hydrometer Cylinder, Acrylic, 14"
170-1435	Hydrometer Cylinder, PMP, 390mm
170-8521	Pasteur Pipet, 5 3/4"
170-2797	Pipet Bulb, latex to fit Pasteur Pipets
170-2912	Sodium Hydroxide, 1.0N 16oz

Alcohol Distillation Apparatus (Replacement Parts)

170-4523 \$188.80

This is the Apparatus for the 170-4510 Assembly. Items listed are the replacement parts to the Alcohol Distillation Apparatus.

170-5689	Graham Condenser, 300mm	\$65.70
170-1755	Boiling Flask, Flat Bottom, 500ml	\$26.15
060-7276	Triangle Support "A" Stand/Base	\$18.20
065-8866	General Purpose Clamp	\$15.30
060-7279	Wire Gauze	\$4.85
060-7285	Burner Tripod	\$13.35
170-4511	Distilling Bulb	\$45.25

Decolorizing Kit for Red Wines

170-2458 \$94.10

170-5674	1/Each	Decolorizing Granules, 25g,
065-8712	1/Each	Mortar & Pestle, 145 ml
170-3778	1/Each	Dispenser, 20 cc. Luer Lock
170-1715	1/Each	Swinnex Filter, 25 mm
560-1601	1/Pack	Glass Fiber Filter, 25 mm, 100/pk

Filtration Assembly (Buchner)

170-7153 \$123.55

030-8249	1/Each	Buchner Funnel, 90mm
170-1792	1/Each	Flask, filtration, 1L
065-7539	1/Each	Filter Aid
030-4737	1/Each	Aspirator pump, plastic
170-3528	1/Each	Tubing, Bubble, small 3'

Gold Coast Reducing Sugar Assembly

170-2086 \$193.70

Internationally known as "Rebelein Reducing sugar Assembly" This method is based on the reduction of copper and has the same accuracy, +/- 0.01g/100ml in undiluted samples (below 0.5% sugar), +/- 0.1 in diluted ones. Titration apparatus is not included.

170-1771	4/Each	Flask, Erlenmeyer, 250ml
471-3943	1/Each	Pipet, Vol 5ml, Class A
471-3950	1/Each	Pipet, Vol 10ml, Class A
020-3321	4/Each	Pipet, Sero. 10ml, Disp
170-1218	1/Each	Boiling Stones, 30g
170-2002	1/Each	Gold Coast Solution #1, 16oz
170-2023	1/Each	Gold Coast Solution #2, 16oz
170-2030	1/Each	Gold Coast Solution #3, 16oz
175-2044	1/Each	Gold Coast Solution #4, 16oz
170-2058	1/Each	Gold Coast Solution #5, 16oz
170-2072	1/Each	Gold Coast Solution #6, 16oz
170-4193		Instructions



How Sweet It Is (20/Ind Wrapped)!

170-1380 \$54.15

Assembly gives you a quick way to determine residual sugar by using the Sugar Reducing Tablets (20 Individually wrapped tablets).

170-3320	20/pk	Sugar Reducing Tablets, 20 Individually wrapped
860-1568	3/Each	Dilution Tube Grad., 8ml
170-2751	25/Each	Transfer Pipet, 1ml
170-3423	5/Each	Flat Bottom Test Tube, 1dr
170-3705	1/Pack	Weigh Boat, Micro 1.7sq, 50/pk
170-1366	1/Each	Color Chart
170-4242		Instructions

How Sweet It Is (36/Bottle)!

170-1375 \$61.60

Assembly gives you a quick way to determine residual sugar by using the Sugar Reducing Tablets (36 tablets per bottle).

170-3745	1/Bottle	Sugar Reducing Tablets, 36/Bottle
860-1568	3/Each	Dilution Tube Grad., 8ml
170-2751	25/Each	Transfer Pipet, 1ml
170-3423	5/Each	Flat Bottom Test Tube, 1dr
170-1366	1/Each	Color Chart
170-4243		Instructions

Improved Free/Total SO2 Complete Assembly

170-3512 \$2,818.85

This assembly allows you to determine Free/Total SO2 by aeration oxidation method. It incorporates the new and improved glassware that utilizes the use of glass frits, which is much less sensitive to small changes in aspiration rate. Comes complete with heating mantle, pump, glassware and chemicals.

471-1983	1/Each	Total & Free SO2 Apparatus
065-8803	1/Each	Support Stand, 6x11" w/36" rod
471-3964	1/Each	Pipet, Vol. 20ml, Class A
033-1240	1/Each	Dispenser, 5-25ml / 500ml
065-8866	2/Each	General Purpose Clamp
471-3432	1/Each	Cylinder, 100ml Class A
175-3549	6/Each	Tubing, PVC, 1/4"x7/16" EA=1ft
170-4516	1/Each	Accuflo 5000 Pump
221-9627	1/Each	Mantle/Controller
175-3521	1/Each	Tubing Amb Latex 1/4"x1/16" 12ft
170-2849	1/Each	Sodium Hydroxide .01N, 16oz
170-4648	1/Each	Phosphoric Acid 25%, 32oz
170-2121	1/Each	Hydrochloric Acid .01N, 2oz
175-2177	1/Each	Hydrogen Peroxide 30%, 1oz
175-3577	1/Each	Vacuum SO2 Indicator, 1/2oz
170-1589	1/Each	Dilute Acid for Vac SO2, 1oz
170-1603	1/Each	Dilute Base for Vac SO2, 1oz
170-4519		Instructions

Sulfur Dioxide Glass Apparatus for Determination of Free/Total

471-1983 \$897.65

471-1985	Condenser & Impinger Body	\$359.40
471-1989	Impinger Bottom w/Spring Hooks	\$129.40
471-1991	Three Neck Flask w/Spring Hooks	\$225.60
471-1993	Fritted Probe Tube	\$130.25
471-1997	19/38 Stopper for Three Neck Flask	\$33.20
471-3016	Plastic Base for Impinger Bottom	\$5.15
471-2007	1 3/4" Stainless Steel Springs (2 Pair)	\$14.65

Iodine Method For SO2 Assembly

170-2338 \$124.15

The iodine (Ripper) method is widely used for SO2 determination, but is not suitable for free SO2 on red wine, wines with botrytis, or whites after ML fermentation. The iodine method measures the acid-released free SO2 by reaction with iodine. Titration apparatus is not included.

170-1771	1/Each	Flask Erlenmeyer, 250ml
170-1778	1/Each	Flask, Erlenmeyer, 500ml
471-3978	1/Each	Pipet, Vol 50ml, Class A
471-3943	1/Each	Pipet, Vol. 5ml, Class A
170-3760	2/Each	Dispenser, 10cc
170-2296	1/Each	Iodine 0.0156N, 16oz
175-2975	1/Each	Sodium Hydroxide 10%, 16oz
170-3374	1/Each	Sulfuric Acid 1+3 (25%), 16oz
175-3031	1/Each	Starch Indicator 1%, 4oz
175-2961	1/Each	Sodium Thio. 0.025N, 4oz
170-4256		Instructions

RQ Flex 20 Meter

17246-1 \$1,180.15

This mobile laboratory gives you all the tools you need for high quality analyses for a wide spectrum of sample material.

16128-1	50/strips	Malic	\$285.60
16136-1	50/strips	Total Sugar	\$260.05

Malolactic Chromatography Assembly

170-2401 \$100.80

This self-contained paper chromatography kit has all the items necessary to do 10 chromatograms, each with up to 10 wines, plus some reference acid solutions.

170-1226	1/Each	Jar, WM, 1 Gal, Glass
170-1267	1/Each	Capillary Tube Holder
170-1295	1/Pack	Chrom. Paper #1, 10/pk
170-1274	1/Pack	Capillary Tubes, 100/pk
175-1309	1/Pack	Chrom. Paper #20, 10/pk
175-2471	1/Each	Chromatography Solvent, 4oz
170-2499	1/Pack	Chrom. Acid Stds. (Tartaric, Malic, Citric, and Lactic)
170-4212		Instructions

Sulfide Detection/Copper Addition Kit

170-3353 \$30.00

Contains the solutions necessary to detect and distinguish the types of sulfides found in wine and the treatment necessary to eliminate the odor.

020-3361	3/Each	Pipet, Sero. 1ml, Disp
170-4067	1/Each	Cadmium Sulfate 0.05%, 2oz
170-4081	1/Each	Copper Sulfate 1%, 4oz
170-4074	1/Each	Copper Sulfate 0.05%, 1oz
170-4046	1/Each	Ascorbic Acid 1%, 1oz
170-4221	1/Each	Instructions

Titrets Kit

170-3486 \$33.30

Self-contained, Free SO2 testing kit has prepackaged solutions in vials, one vial per test.

170-4149	1/Pack	Test Vials, 10/pk
170-4144	1/Each	Titrettor

Total Titratable Acidity Assembly (Reagents)

170-3493

\$37.80

This allows use of a pH meter to determine the titration endpoint.

170-2891	1/Each	Sodium Hydroxide 0.1N, 16oz
175-2135	1/Each	Hydrochloric Acid 0.1N, 2oz
170-4277	1/Each	Phenolphthalein 0.5%, 1oz
170-1582	1/Each	Dilute Acid, 1oz
170-1596	1/Each	Dilute Base, 1oz
170-4179		Instructions
OPTIONS:	360-9958	700 pH Meter Benchtop,
	complete w/Electrode	
	222-3169	Stirrer, Economy w/stirbar

Total Titration Assembly (Apparatus)

170-2842

\$145.90

Contains the necessary equipment for fast, accurate titrations with a 25ml Teflon rotary stopcock glass buret.

475-2369	1/Each	Buret, economy 25ml
170-1048	1/Each	Beaker, Plastic, 100ml
060-7281	1/Each	Stand
170-1928	1/Each	Funnel, buret filling
065-8873	1/Each	Clamp, V-jaw
060-7233	1/Each	Brush, Buret
170-1778	1/Each	Flask, Erlenmeyer 500ml
471-3278	1/Each	Beaker, 400ml
471-3943	1/Each	Pipet, Vol. 5ml, Class A

Volatile Acidity Assembly

170-3598

\$1,929.75

This kit contains the necessary components to measure the spoilage acids made by acetic bacteria and other organisms.

471-1420	1/Each	Complete Cash Still, Self-Evacuating
170-3396	1/Each	Support Stand
175-3521	1/Pack	Tubing, Latex, 1/4" I.D.
170-1330	2/Each	Clamp, Snapper, #4
170-1337	2/Each	Clamp, Snapper, #6
170-1344	2/Each	Clamp, Snapper, #8
031-4169	2/Each	Quick Disconnects
031-0905	2/Each	Connector, "Y", 1/4"
063-3216	2/Each	Clamp, 3-Finger
170-2870	1/Each	Sodium Hydroxide 0.067N, 16oz
175-2135	1/Each	Hydrochloric Acid 0.1N, 2oz
170-4277	1/Each	Phenolphthalein 0.5%, 1oz
170-1218	1/Each	Boiling Stones, 30g
170-1771	2/Each	Flask, Erlenmeyer, 250ml
471-3950	2/Each	Pipet, Vol. 10 ml, Class A
065-8852	1/Each	Tongs, Flask
170-3605	1/Each	Wash Bottle, 250ml
170-4207	1/Each	Instructions
OPTIONAL:	222-3490	Hot Plate/Stirrer

Ascorbic Acid 1% Solution

Shelf Life: 6 months if refrigerated or until color turns golden brown

170-4046	1 oz	\$6.90
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Boiling Stones (Teflon)

Shelf Life: Indefinite

170-1218	30 g	\$11.35
170-1211	1 lb	\$31.50

Boric Acid, ACS, Granular

250-1004	500 g	\$35.00
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Brix 20 Solution

Shelf Life: Until mold forms, approximately 6 months in refrigerator

170-4060	1/2 oz	\$7.15
170-4054	2 oz	\$22.75

Bromocresol Green, 1% (w/v) Soln

050-2302	2 oz	\$17.85
050-2304	4 oz	\$28.15
050-2316	16 oz	\$89.30

Bromocresol Green, Sodium Salt (water soluble)

Shelf Life: Indefinite

250-3145	5 gm	\$34.30
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Butyl Alcohol (Butanol) ACS Reagent

Shelf Life: Indefinite

250-3351	500ml	\$51.60
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Note: This product will not ship via UPS AIR

Cadmium Sulfate 0.05% Solution

Do not use in samples to be tasted.

Shelf Life: Indefinite

170-4067	2 oz	\$5.35
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Charcoal (Decolorizing) Carbon, Granules

170-5674	25 g	\$8.80
250-4613	125 g	\$33.65
250-4618	500 g	\$89.95

Conductivity Standard, 1413us

050-4296	16 oz	\$39.65
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Copper Sulfate 0.05% Solution

Shelf Life: Until precipitate forms

170-4074	1 oz	\$5.45
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Copper Sulfate 1% Solution

Shelf Life: Until precipitate forms

170-4081	4 oz	\$6.95
170-1379	16 oz	\$13.85
170-1386	32 oz	\$18.95

Copper Sulfate 10% Solution

Shelf Life: Until precipitate forms

170-1393	16 oz	\$16.90
170-1400	32 oz	\$24.00

Cupric (Copper) Sulfate, Pentahydrate Crystal, ACS

250-4508	125 g	\$33.50
250-4516	500 g	\$78.20

Most Chemicals that used to ship with additional hazardous fees, can now ship Haz Exempt!



Dilute Acid for Acidity

Shelf Life: Until Significant precipitate forms

170-1582	1 oz	\$5.65
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Dilute Acid for Vacuum SO₂

Shelf Life: Until significant precipitate forms

170-1589	1 oz	\$5.65
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Dilute Base for Acidity

Shelf Life: Until significant precipitate forms

170-1596	1 oz	\$5.65
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Dilute Base for Vacuum SO₂

Shelf Life: Until significant precipitate forms

170-1603	1 oz	\$5.65
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Drierite, Indicating, 8 Mesh

250-1455	1 lb	\$62.10
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Fehling A

(Cupric Sulfate Solution)

Shelf Life: Until significant precipitate forms

050-4231	16 oz	\$17.50
050-4238	32 oz	\$23.25

Fehling B

(Alkaline Tartrate Solution)

Shelf Life: Until significant precipitate forms

050-4203	16 oz	\$29.65
050-4210	32 oz	\$44.85

Note: This product will not ship via UPS AIR

Folin-Ciocalteu Reagent 2N

170-3897	125 ml	\$53.15
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Formaldehyde, 37% (v/v) or 40% (w/v), ACS

250-1569	16 oz	\$44.05
250-1571	32 oz	\$58.00
250-1572	1 gal	\$149.60

Note: This product will not ship via UPS AIR

Formic Acid, 96%, ACS

F1089-500ml	500 ml	\$79.25
F1089-2.5L	2.5 Liter	\$186.50

Note: This product will not ship via UPS AIR

Gallic Acid, ACS

250-3468	50 g	\$46.90
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Glassware Cleaner

390-1001	4 lb Alconox	\$45.80
400-1064	1 L Liquinox	\$32.60
400-1001	4 lb Alcojet	\$50.00

Glucose 0.5% Solution

Shelf Life: Until mold forms (a few months)

170-1995	32 oz	\$19.60
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Gold Coast #1

(0.168M Cupric Sulfate acidified with Sulfuric Acid)

Shelf Life: Until sediment forms

170-2002	16 oz	\$14.40
170-2009	32 oz	\$20.70

Gold Coast #2

(Potassium Sodium Tartrate 25%, Sodium Hydroxide 2N)

Shelf Life: Until large precipitate forms, some sediment okay

170-2023	16 oz	\$26.15
170-2016	32 oz	\$43.95

Note: This product will not ship via UPS AIR

Gold Coast #3

(Potassium Iodide 30%, Sodium Hydroxide 0.1N)

Shelf Life: Indefinite

170-2030	16 oz	\$49.85
175-2037	32 oz	\$89.40

Gold Coast #4

(Sulfuric Acid 17.5%)

Shelf Life: Indefinite

175-2044	16 oz	\$15.25
175-2051	32 oz	\$20.05

Note: This product will not ship via UPS AIR

Gold Coast #5

(Starch 1%, Potassium Iodide 2%, Sodium Hydroxide 0.01N)

Shelf Life: Until mold forms

170-2058	16 oz	\$14.55
175-2065	32 oz	\$21.95

Gold Coast #6

(Sodium Thiosulfate 0.055N, Sodium Hydroxide 0.05N)

Shelf Life: Until blank titration takes 30ml or more

Not very stable, even when refrigerated

170-2072	16 oz	\$16.85
170-2079	32 oz	\$24.40

Hydrochloric Acid 0.01N Solution

Shelf Life: About 1 year

170-2121	2 oz	\$4.75
170-2128	4 oz	\$6.90
170-2114	16 oz	\$15.85

Hydrochloric Acid 0.1N Solution

Shelf Life: About 1 year

175-2135	2 oz	\$4.75
175-2149	4 oz	\$6.90
170-2142	16 oz	\$15.85

Hydrochloric Acid 1N Solution

Shelf Life: About 1 year

170-2156	2 oz	\$4.75
170-2163	4 oz	\$6.90
170-2170	16 oz	\$15.85
050-5022	1 gal	\$77.90

Note: This product will not ship via UPS AIR

Hydrogen Peroxide 30% Reagent

Shelf Life: 6 months in refrigerator

175-2177	1 oz	\$11.75
170-2191	4 oz	\$23.15
170-2196	8 oz	\$35.45
175-2184	16 oz	\$62.35
175-2193	32 oz	\$113.10

Note: This product will not ship via UPS AIR

Iodine 0.0156N Solution

Shelf Life: Light Sensitive! Several months if unopened, or if standardized regularly and stored in the dark. Keep tightly capped at all times.

170-2310	8 oz	\$20.15
170-2296	16 oz	\$31.05
175-2303	32 oz	\$43.80

Iodine 0.02N Solution

Shelf Life: Light Sensitive! Several months if unopened, or if standardized regularly and stored in the dark. Keep tightly capped at all times.

175-2331	8 oz	\$24.90
170-2317	16 oz	\$36.80
170-2324	32 oz	\$47.65
170-4270	1 gal	\$135.75

Isopropanol, 70%, USP/FCC/ACS

250-3008	1 gal	\$66.25
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Note: This product will not ship via UPS AIR

L-Isoleucine (ILE)

250-0181	5 g	\$28.60
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Lane/Eynon Indicator

(Methylene Blue 0.05%)

170-2359	1 oz	\$13.90
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Linalool 0.1% Solution

175-2387	1 oz	\$6.60
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Linalool 100%

175-2394	10 ml	\$15.65
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ML Chromatography Solvent

175-2471	4 oz	\$24.55
170-2467	8 oz	\$38.40
175-2464	16 oz	\$61.10
170-4130	1 gal	\$265.90

Note: This product will not ship via UPS AIR

ML Chromatography Standards

Shelf Life: Until mold grows

170-2506	Tartaric	\$5.30
170-2478	Citric	\$5.30
170-2492	Malic	\$5.30
170-2485	Lactic	\$5.30
170-2499	Set of all 4	\$18.00

N-acetyl-L-cysteine (NAC)

250-0905	5 g	\$28.15
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Ortho-phthaldialdehyde (OPA)

250-0280	1 g	\$25.90
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pH Buffer Capsules

Each Capsule makes 100ml

175-2527	pH 3	\$12.95
175-2534	pH 4	\$12.95
175-2541	pH 7	\$12.95
175-2520	pH 10	\$12.95

pH Buffer Envelopes

Each envelope makes 500ml. pack of 5

170-2555	pH 3	\$36.40
170-2562	pH 4	\$36.40
170-2569	pH 7	\$36.40
170-2548	pH 10	\$36.40

pH Buffer Solution, pH 3.00 to +/- 0.02 pH

Shelf Life: Unopened bottle in cool place = 1 year. Opened bottle should be kept capped = 3-6 months.

175-2597	4 oz	\$12.45
175-2583	16 oz	\$22.60
175-2618	32 oz	\$37.10
170-2604	1 gal	\$69.75

pH Buffer Solution, pH 4.01 to +/- 0.01 pH

Shelf Life: Unopened bottle in cool place = 1 year. Opened bottle should be kept capped = 3-6 months.

170-2653	4 oz	\$9.45
170-2646	16 oz	\$15.25
175-2632	32 oz	\$23.20
170-2639	1 gal	\$50.55

pH Buffer Solution, pH 7.00 to +/- 0.01 pH

Shelf Life: Unopened bottle in cool place = 1 year. Opened bottle should be kept capped = 3-6 months.

175-2681	4 oz	\$9.45
175-2660	16 oz	\$15.25
170-2632	32 oz	\$23.20
170-2674	1 gal	\$50.55

pH Buffer Solution, pH 10.00 to +/- 0.01 pH

Shelf Life: Unopened bottle in cool place = 1 year. Opened bottle should be kept capped = 3-6 months.

170-2625	4 oz	\$9.45
170-2611	16 oz	\$15.25
175-2590	32 oz	\$23.20
170-2576	1 gal	\$50.55

pH Electrode Cleaner with Enzymes

Removes Protein Build-up from electrode bulb (*Refrigerate*)

170-3801	8 oz	\$11.35
170-3808	16 oz	\$18.05
170-3815	32 oz	\$25.60

pH Electrode Fill Solution

4 Molar KCl with AgCl

250-4515	125 ml	\$18.00
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Saturated KCl

360-3353	125 ml	\$18.00
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3 Molar KCl

250-4505	125 ml	\$18.00
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4 Molar KCl

250-4500	125 ml	\$18.00
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pH Electrode Storage Solution

170-2723	8 oz	\$11.70
170-2716	16 oz	\$19.05

Phenolphthalein 0.5% in 50% IPA

170-4277	1 oz	Haz Exempt \$4.90
170-4284	4 oz	\$7.10
170-4288	8 oz	\$11.30

Note: This product will not ship via UPS AIR

Phenolphthalein 1.0% in 95% IPA

050-6674	1 oz	Haz Exempt \$7.05
050-6667	4 oz	\$8.55
050-6660	16 oz	\$27.20

Note: This product will not ship via UPS AIR



Phosphoric Acid 25% Solution

Shelf Life: Indefinite

170-4291	16 oz	\$28.50
170-4648	32 oz	\$38.45
170-4649	1 gal	\$110.55
170-4652	20 L	\$400.60

Note: This product will not ship via UPS AIR

Phosphoric Acid 85% ACS Reagent

Shelf Life: Indefinite

250-4059	500 ml	\$71.85
250-2016	3.8 L	\$145.60

Note: This product will not ship via UPS AIR

Potassium Chloride, Crystals, ACS

250-4075	125 g	\$20.15
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Potassium Iodide, Crystals, ACS

250-5025	125 g	\$145.20
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Reagent Alcohol, Denatured, 95%

Shelf Life: Indefinite

175-1666	16 oz	\$32.40
250-1019	1 gal	\$87.15

Note: This product will not ship via UPS AIR

**AWS now offers
Puregrain alcohol
please call for pricing**

Sodium Carbonate Solution 20% (w/v)

050-9651	32 oz	\$36.90
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Sodium Hydroxide 0.01N Solution

Shelf Life: 6 months unopened, several months if standardized freq w/HCl

170-2863	4 oz	\$7.75
170-2849	16 oz	\$14.35
170-2856	32 oz	\$21.55

Sodium Hydroxide 0.067N Solution

Shelf Life: 6 months unopened, several months if standardized freq w/HCl

170-2884	4 oz	\$7.75
170-2870	16 oz	\$14.35
170-2877	32 oz	\$21.55

Sodium Hydroxide 0.1N Solution

Shelf Life: 6 months unopened, several months if standardized freq w/HCl

170-2905	4 oz	\$7.75
170-2891	16 oz	\$14.35
170-2898	32 oz	\$21.55
050-8613	1 gal	\$45.90

Sodium Hydroxide 0.2N Solution

Shelf Life: 6 months unopened, several months if standardized freq w/HCl

170-2893	16 oz	\$14.35
170-2894	32 oz	\$21.55

Sodium Hydroxide 1N Solution

Shelf Life: Until a lot of sediment forms

050-8837	4 oz	\$7.75
170-2912	16 oz	\$14.35
170-2919	32 oz	\$21.55
050-8830	1 gal	\$45.90

Note: This product will not ship via UPS AIR

Sodium Hydroxide 10% Solution

Shelf Life: Until a lot of sediment forms

170-2940	8 oz	\$9.55
175-2975	16 oz	\$13.95
175-2933	32 oz	\$18.70

Note: This product will not ship via UPS AIR

Sodium Hydroxide Pellets, ACS Reagent

Shelf Life: Until caked with moisture. Keep tightly capped.

250-2896	125 g	\$13.65
250-5001	500 g	\$41.25

Note: This product will not ship via UPS AIR

Sodium Thiosulfate 0.025N Solution

Shelf Life: 6 months

175-2961	4 oz	\$8.30
170-2947	16 oz	\$12.70

Sodium Thiosulfate 0.1N Solution

Shelf Life: 1 year

170-2975	4 oz	\$12.75
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Starch 1% Solution

Shelf Life: Several months or until molds excessively or separates

175-3024	2 oz	\$7.15
175-3031	4 oz	\$8.65
175-3017	16 oz	\$13.20

Starch, Soluble, Powder

Shelf Life: Indefinite

250-5077	125 g	\$29.45
250-5079	500 g	\$80.70

Stopcock Grease

170-3829	5.3 oz	\$74.15
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Sugar Reducing Tablets 36/Bottle

Shelf Life: Declining with exposure to air/moisture.

170-3745	36 Bottle	\$40.90
170-1366	Color Chart	\$3.00

Sugar Reducing Tablets 20/Ind Wrapped

170-3320	20 Pack	\$33.45
170-1366	Color Chart	\$3.00

Sulfuric Acid 25 % Solution

Shelf Life: Indefinite

175-3388	4 oz	\$11.25
170-3374	16 oz	\$17.45
175-3381	32 oz	\$26.45
175-3382	1 gal	\$63.90

Note: This product will not ship via UPS AIR

Sulfuric Acid, 95-98%, ACS Reagent

Shelf Life: Indefinite

250-2313	500 ml	\$42.00
250-1291	3.8 L	\$88.35

Note: This product will not ship via UPS AIR

Vacuum Aspiration SO2 2-Indicator Solution (Classic) (Green)

Shelf Life: 6 months or until it fails the color test

175-3577	1/2 oz	\$9.95
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Vacuum Aspiration SO2 4-Indicator Solution (Blue)

Shelf Life: 6 months or until it fails the color test

175-3571	1/2 oz	\$11.05
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Balance, Portable, Compact, Value Series

Most durable compact balance in its class, unmatched value

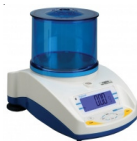
310-0202	200 g x 0.01g	\$327.80
310-0601	600 g x 0.1g	\$224.30
310-1501	1500 g x 0.1g	\$293.30
310-2601	2600 g x 0.1g	\$373.80



Balance, Portable, Precision Series

Exceptional value in Precision Weighing

310-0123	120 g x 0.001g	\$546.35
310-0302	300 g x 0.01g	\$454.35
310-0602	600 g x 0.01g	\$522.90
310-1502	1500 g x 0.05g	\$462.50
310-3001	3000 g x 0.1g	\$449.05



Balance, Triple Beam, A+ Brand

Capacity: 2610g x 0.1g Stainless Steel Pan

310-6447		\$224.90
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Calibration Weights

Weights are made of Stainless Steel & are ASTM Class 2

310-2759	100 g	\$64.35
310-2763	200 g	\$69.70



Reagent Digger/ Balance Spatula

Perfect for weighing small amounts of chemicals

061-7489	229 mm x 25 mm	\$11.30
061-3793	Spatula, SS, 8"	\$6.40
061-1835	Scoop Wood Handle SS	\$8.85



Weigh Boats

Disposable high impact plastic 125/pk

175-3696	S 1 3/4" x 3/8"	\$18.15
175-3682	M 3 5/16" x 3/4"	\$27.25
175-3689	L 5 1/2" x 7/8"	\$37.85
180-4517	M & L x 10/ea	\$5.00



Weigh Paper

Smooth Surface 500/pk

180-8361	3 x 3"	\$14.65
180-8369	4 x 4"	\$20.85
180-8377	6 x 6"	\$27.80



Beaker, Glass, Reusable

Low Form Griffin Style, Borosilicate Glass, Double Scale

471-3210	10 ml	\$3.70
471-3225	25 ml	\$4.50
471-3250	50 ml	\$4.60
471-3257	100 ml	\$4.85
471-3264	150 ml	\$5.55
471-3271	250 ml	\$5.80
471-3278	400 ml	\$7.30
471-3285	600 ml	\$10.40
471-3292	800 ml	\$11.90
471-3299	1000 ml	\$19.90
471-3306	2000 ml	\$40.95
471-3315	4000 ml	\$69.95



Beaker, Polypropylene, Reusable w/Handle

170-1183	250 ml	\$8.05
170-1197	500 ml	\$8.75
170-1169	1000 ml	\$10.15
170-1176	2000 ml	\$11.75
170-1190	3000 ml	\$17.55
170-1198	5000 ml	\$37.30



Beaker, Polypropylene, Tri-Pour Economical

170-1130	50 ml	\$1.60
170-1134	100 ml	\$2.20
170-1148	250 ml	\$2.55
170-1156	400 ml	\$2.90
170-1162	800 ml	\$3.35
170-1141	1000 ml	\$3.70



Beaker, Polypropylene, Reusable, Griffin Style

170-1045	50 ml	\$3.05
170-1048	100 ml	\$3.45
170-1051	250 ml	\$3.90
170-1057	500 ml	\$5.80
170-1062	1000 ml	\$7.35
170-1066	2000 ml	\$17.50
170-1075	5000 ml	\$35.00



Bench Protector

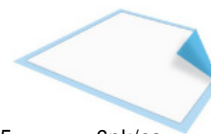
Great for Spills! Protects work surfaces.
Plastic Backed

061-2769	20" x 150'	\$67.00
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17x24", 3 Play with Polyback

181-6650	50/pk	\$17.05	6pk/cs	\$81.90
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Bottle, Clear, Narrow Mouth

Boston Round w/Polyvinyl Cap

630-7035	4 oz	\$3.45	24/cs	\$62.40
630-8547	8 oz	\$4.05	12/cs	\$36.60
630-2926	16 oz	\$5.25	12/cs	\$47.40
630-5705	32 oz	\$7.75	12/cs	\$69.60



Bottle, Amber, Narrow Mouth

Boston Round w/Polyvinyl Cap

630-6699	4 oz	\$3.45	24/cs	\$62.40
630-8225	8 oz	\$4.05	12/cs	\$36.60
630-2625	16 oz	\$5.25	12/cs	\$47.40
630-5527	32 oz	\$7.75	12/cs	\$69.60



Bottle, HDPE, Narrow Mouth

Cylindrical Shape, Excellent for storing Solutions. Case Only

030-8130	2 oz	24/cs	\$15.30
030-8098	4 oz	24/cs	\$24.70
030-7578	8 oz	12/cs	\$20.15
030-8112	16 oz	12/cs	\$26.35
030-8090	32 oz	12/cs	\$36.90



Bottle, Polypropylene, Narrow Mouth

Autoclavable. Great for fining trial or storing solutions

030-7601	60 ml	\$1.60	72/cs	\$86.40
030-7561	125 ml	\$1.95	72/cs	\$104.40
030-7577	250 ml	\$2.70	72/cs	\$147.60
030-7593	500 ml	\$4.30	48/cs	\$156.00
030-7553	1000 ml	\$6.70	24/cs	\$121.20
030-7569	2000 ml	\$16.10	6/cs	\$72.60



Bottle, HDPE, Wide Mouth

Leakproof, w/Polyethylene Closure.

Flexible and impact resistant

030-8129	60 ml	\$1.80	72/cs	\$97.20
030-8097	125 ml	\$2.10	72/cs	\$115.20
030-8113	250 ml	\$3.15	72/cs	\$169.20
030-8121	500 ml	\$4.15	48/cs	\$148.80
030-8089	1000 ml	\$7.50	24/cs	\$135.60
030-7801	2000 ml	\$13.50	6/cs	\$60.90



Bottle, Carboy

Great design that saves space!

Autoclavable Polypropylene w/spigot

030-8787	5 L	\$48.20
030-8791	10 L	\$84.15
030-8795	20 L	\$98.50



Bottle, Wash

170-3602	125 ml	\$4.20
170-3605	250 ml	\$5.15
170-3612	500 ml	\$6.55



Brush, Buret

Great for cleaning Burets. White Bristle w/fan tip

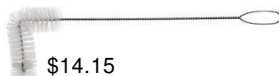
060-7233	10 & 25ml Burets	\$6.05
060-7241	50ml Buret	\$7.10



Brush, Carboy

Brush has bent end for reaching into carboys. 29" Length

170-1225



Brush, Cylinder

Black Nylon stiff bristles w/multiple splayed ends. 5" x 2" Bristle x 13" L

170-3871		\$9.85
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Brush, Flask

White bristle w/plastic handle.

061-0785	14" L	\$12.30
061-0737	17" L	\$16.55



Brush, Pipet

Soft white nylon.

3" x .5" Bristle x 19" L

061-5729		\$7.90
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Brush, Test Tube

Natural Fiber bristles w/multiple

splayed ends mounted on galvanized wire.

062-5617	3" x .5" Bristle x 8" L	\$4.85
062-4577	3.5" x .75" Bristle x 10" L	\$5.05



Brush, Wine Bottle

Natural Horsehair w/tuft on the

end for cleaning bottles. Great all purpose brush. 15" L

170-1239		\$8.15
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Buret, Automatic

w/Ground Glass Stopcock &

Amber Storage Container,

Subdivided .1ml

471-5891	25 ml	\$215.00
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Buret, Glass w/Teflon RotoFlow

(Class A) w/certificate

Borosilicate Glass.

170-1246	10 ml	\$105.65
170-1253	25 ml	\$94.70
170-1260	50 ml	\$94.70



Buret, Glass, Economy, Roto Flow

(Class B)

475-2361	10 ml x .05	\$72.00
475-2369	25 ml x .10	\$64.90
475-2373	50 ml x .10	\$68.90
475-2381	100 ml x .20	\$72.35



Buret, Bent Tip

Used in Lane/Eyon Test.

This Buret has an offset delivery

to keep steam from heating the solution

471-1308	25 ml	\$162.15
471-1310	50 ml	\$162.15



Self-Zeroing Buret Kit

This kit will make your 25 ml or 50 ml buret self-zeroing, economically and easily.

No More Funneling!



032-8720		\$37.90
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Burner, Alcohol Lamp

Classic style lamp w/wide base to resist tipping

065-8698	Lamp	\$12.85
065-8733	Wicks, 12/pk	\$5.00
175-1666	Ethyl Alcohol 16 oz	\$32.40



Burner, Bunsen

Tirrill type adjustable burners.

Please choose the correct one for your type of gas

060-7441	Natural (800-1200)	\$54.65
060-7425	Cylinder (2000-3200)	\$56.50
060-7433	Artificial (Propane)	\$62.30



Chromatography Jar

Wide Mouth, Glass, 1 Gallon

170-1226 1 Gal \$7.10



Chromatography Paper #1, A+ Brand

Fast type that stays in solvent about 8 hours.

8" x 10" sheets. Store Tightly Closed

170-1295 10/pack \$10.20

170-1250 50/pack \$39.65



Chromatography Paper #20, A+ Brand

Slow type that stays in solvent about 12 hours,

but provides better resolution. 8" x 10" sheets

175-1309 10/pack \$19.75

175-1350 50/pack \$73.45

Clamp, Buret, Double

Made of die cast Aluminum

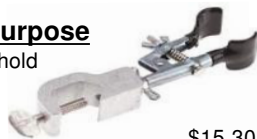
170-1323 \$33.35



Clamp, General Purpose

Two vinylized jaws to hold glassware firmly

065-8866 \$15.30



Clamp, Tri-Grip

Clamp opens to 3", w/rubber jaws, rotates on 360° axis, and are

adjustable between rod and apparatus from 3.75" to 5.5"

063-3216 \$33.15



Clamp, V-Jaw

Great for holding Burets.

065-8873 \$15.30



Clamp, Tubing

Mini clamps for thin wall tubing

060-9601 3/16" OD 10/pk \$13.60

060-9609 1/2" OD 5/pk \$15.40



Clamp, Tubing, Snapper

White Plastic clamp will hold tubing in place and will not slip off until released sideways on the jaws

Tubing ID/OD

170-1330 10.3/11.5 mm (7/16") \$0.80

170-1337 11.4/13.0 mm (1/2") \$0.80

170-1344 13.0/14.9 mm (9/16") \$0.80



Clamp, Tubing, Metal, Adjustable

Fits tubing up to 3/4" OD

060-8297 \$4.70



Cleaners

Alconox – Manual Detergent great for glassware.

Dilute 1:100

Liquinox – Manual Detergent great for manual

cleaning. Dilute 1:100

390-1001 Alconox 4 lbs \$59.85

400-1064 Liquinox 1 L \$55.60

400-1001 Alcojet \$67.95



Conductivity Meter, Portable

Affordable meter that comes probe. ATC

360-7498 Meter \$517.30

050-4296 1413us 16 oz Std \$39.65

360-7486 Replacement Probe \$140.40



Counter

Hand Tally

221-7889 \$30.60



Counting Chamber

Can be used for making yeast and dust counts

170-1407 \$129.15

Cylinder, Glass, Reusable, Class A

Double Metric Scale, Glass Base, "To Contain"

471-3411 10 ml \$11.75 4/pk \$35.20

471-3418 25 ml \$14.90 4/pk \$44.80

471-3425 50 ml \$17.25 4/pk \$51.80

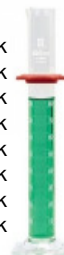
471-3432 100 ml \$22.00 4/pk \$66.00

471-3439 250 ml \$27.70 4/pk \$83.20

471-3446 500 ml \$49.45 2/pk \$74.20

471-3453 1000 ml \$88.90 2/pk \$133.30

471-3460 2000 ml \$136.85 1/pk \$136.85



Cylinder, Glass, Reusable, Economy

Borosilicate Glass w/plastic base, "To Contain"

471-3523 10 ml \$7.35 6/pk \$33.00

471-3530 25 ml \$7.85 6/pk \$35.40

471-3537 50 ml \$8.95 6/pk \$40.20

471-3544 100 ml \$11.60 6/pk \$52.20



Cylinder, PMP, Reusable

Clear plastic, heat resistant, autoclavable

030-9737 10 ml \$5.30

030-9769 25 ml \$6.25

030-9785 50 ml \$7.90

030-9745 100 ml \$14.85

030-9777 250 ml \$15.10

030-9793 500 ml \$19.60

030-9753 1000 ml \$24.15

030-9761 2000 ml \$57.35



Cylinder, PP, Reusable

Autoclavable, opaque

030-9833	25 ml	\$5.80
030-9849	50 ml	\$7.95
030-9809	100 ml	\$11.35
030-9841	250 ml	\$12.25
030-9857	500 ml	\$14.40
030-9817	1000 ml	\$19.05
030-9825	2000 ml	\$43.70



Dessicator, PP, Clear, 10" w/Plate

060-5235 non-vacuum \$142.95

060-5234 vacuum \$154.05

060-0230 Porcelain Plate 230mm \$41.05



Dishes, Petri, Sterile

Polystyrene and convenient packaging sizes available

170-6771	100 x 15 mm	25/pk	\$7.55
170-1010	50 x 11 mm	20/pk	\$6.45
040-9281	150 x 15 mm	20/pk	\$18.20



Dispenser, Bottle Top, Adjustable

All dispenser's wetted parts are made from Teflon and glass. Dispenser's come with the following adapters 28mm, 30mm, 32mm, 36mm, 40mm, and 45mm to fit all types of bottles. Fully autoclavable

222-5682	0.5 – 5.0 ml	\$312.50
222-5666	1 – 10 ml	\$312.50
222-5810	2.5 – 30 ml	\$391.20
222-5818	5 – 60 ml	\$412.30



Dispensers, Measuring, Variable Volume, Plastic

All plastic design that can be taken apart and cleaned. Top chamber has ounces and milliliters.

033-1240	5 – 25 ml	500 ml	\$36.20
033-1254	5 – 50 ml	500 ml	\$27.75



Dispensers, Plastic, Syringe Type

Easy to use. The Luer Lock Tip Dispenser can be used with the Swinnex Filter Holder.

170-3760 10 cc Luer Slip Tip \$1.60

170-3774	12 cc (Swinnex) Luer Lock Tip	\$3.70
170-3778	20 cc (Swinnex) Luer Lock Tip	\$4.15
170-3766	60 ml Luer Lock Tip	\$3.55



Drain Stand, Drying

These are a must for drying your glassware and plasticware. Epoxy-coated steel. Dimensions: 16.75 x 6.5 x 19" with 26 hooks

061-1505 Single Sided \$134.95



Drain Stand, 90 Places

This stand comes with 72 3" pins and 18 5" pins. Great for holding all your items.

Vinyl coating on all pins
Dimensions: 18.5 W x 7.1 D x 19" H

061-7233 \$145.80



Ebulliometer, Dujardin-Salleron, Alcohol Burner

170-1652	Complete Unit	\$1,174.80
170-3479	Repl Thermometer	\$90.50
170-3710	Wicks 12/pk	\$24.75



Filter Adapter, Nested, Neoprene, 7/pk

065-0007 7/pk \$18.35



Filter Aid

Adapter that fits on top of a filter flask to accommodate Buchner Funnel

065-7539 #5 for Filter Flask \$7.05



Filter Funnel System, Glass, 47mm

Content: Anodized Aluminum Clamp, Funnel, Glass Support Base (Fritted), and Silicone #8 Stopper

065-6168 47 mm \$161.20



Filtration, Glass Fiber

Combines fast filtration with high retentive capacity. For filtering carbon from decolorized red wines in sugar tests or removing bentonite from protein stability trials prior to incubation. 100/pk

560-1601	25 mm	\$38.95
560-1105	47 mm	\$43.15
560-1121	70 mm	\$64.55
560-1129	90 mm	\$79.60

(AWS offers other Glass Fiber Filters)



Filtration, Membrane

Sterile, White, Gridded, 0.45um, 100/pk

561-6253	25 mm	\$114.80
561-6155	47 mm	\$81.15

(AWS offers other Membrane Filters)



Filtration, Qualitative, Paper, 90mm

For use in the Buchner Funnel AWS Part #030-8249

- #1 – All Purpose Filter, Medium Speed & Retention
 #2 – Slower, for Retention of Smaller Particles
 #3 – Thick, Strong, High Capacity, Medium Speed
- | | | | |
|----------|--------|----|---------|
| 560-1913 | 100/pk | #1 | \$10.65 |
| 560-3977 | 100/pk | #2 | \$10.45 |
| 560-8185 | 50/pk | #3 | \$22.05 |



(AWS offers other Qualitative Filters)

Filter Unit, Reusable, Polysulfone

Accommodates 47mm membrane filters.
 250ml Capacity. Use with inline vacuum source.
 Accepts 1/4" to 5/16" ID Tubing



562-4102 \$185.45

Filtration, Holder, Swinnex

Accommodates 25mm membrane filters. Two piece unit that screws together w/o ring. Use with Dispenser Syringe 12ml Luer Lock (170-3774)



170-1715 Holder \$38.10

Filtration, Forcep

Use this for handling membrane filters



561-4895 \$9.20

Flask, Erlenmeyer, Graduated

170-1769	50 ml	\$3.50	12/pk	\$31.80
170-1764	125 ml	\$6.10	12/pk	\$55.20
170-1771	250 ml	\$8.25	12/pk	\$74.40
170-1778	500 ml	\$9.95	6/pk	\$44.70
170-1757	1000 ml	\$14.00	6/pk	\$63.00
170-1759	2000 ml	\$27.00	4/pk	\$81.00
170-1789	3000 ml	\$40.00	4/pk	\$120.00
170-1791	5000 ml	\$76.00	4/pk	\$228.00



Flask, Filtration

Glass sidearm flask with tabulation

170-1785	500 ml	\$34.05
170-1792	1000 ml	\$68.20
170-1795	2000 ml	\$84.95
471-5344	5000 ml	\$192.85



Flask, Side Port

Round bottom flask with 24/40 joint and side port that accommodates a thermometer.

Accepts a #1 stopper

471-2358 \$78.95



Flask, Volumetric, Class A, Snap Cap

High Precision, used in making solutions

471-3600	10 ml	\$10.85	6/pk	\$48.90
471-3607	25 ml	\$13.45	6/pk	\$60.60
471-3614	50 ml	\$23.60	4/pk	\$70.80
471-3621	100 ml	\$27.15	4/pk	\$81.40
471-3635	250 ml	\$32.05	4/pk	\$96.20
471-3642	500 ml	\$39.10	2/pk	\$58.70
471-3649	1000 ml	\$49.85	2/pk	\$74.80



Flask, Volumetric, Class A, Glass Stopper

471-3691	50 ml	\$33.05
471-3698	100 ml	\$35.10
471-3702	250 ml	\$38.35
471-3719	500 ml	\$43.60
471-3722	1000 ml	\$56.80
471-3725	2000 ml	\$102.30



Flask, Wine Volume, Calibrated, 750ml

170-5216	+/- 1%	\$217.90
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Funnel, Buchner

Accommodates 90 mm Filter Paper
 030-8249

\$19.00



Funnel, Glass, Powder

Short Stem. Filling Bottles.

170-1895	100 mm	\$15.60
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Funnel, Glass, Utility

Medium Stem. 60° Angle

170-1935	50 mm	\$7.30
170-1937	75 mm	\$9.40
170-1940	90 mm	\$10.40
170-1943	120 mm	\$12.10



Funnel, Plastic, Large, HDPE

Designed for transferring liquids.
 16" OD x 14" Stem x 4 7/8" Stem

031-1137	\$92.50
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Funnel, Plastic, Powder

031-1353	65 mm	\$4.15
031-1361	85 mm	\$4.80
031-1369	100 mm	\$5.65
031-1377	150 mm	\$7.05



Funnel, Plastic, Utility

170-1876	2.75" D x 2.75" H	\$2.75
170-1883	3.5" D x 4" H	\$3.10
170-1890	4.25" D x 4.75" H	\$3.70
170-1855	5" D x 5.75" H	\$5.30
170-1862	6.4" D x 7" H	\$9.05
170-1869	8" D x 8" H	\$11.95



Funnel, Separatory

471-2563	250 ml	\$77.25
471-2565	1 L	\$131.80
471-2567	2 L	\$167.30



Funnel, Thistle

Small glass or plastic funnels for filling burets

170-1925	Plastic (50 ml)	\$5.00
471-3149	Glass (small)	\$11.05
471-3142	Glass (large for 50 ml)	\$11.05



Gloves, Latex, Powder Free

Disposable ambidextrous gloves. 100/pk

280-3852	Small	\$26.00
280-3845	Medium	\$26.00
280-3838	Large	\$26.00
280-3859	X-Large	\$26.00



Gloves, Nitrile, Powder Free

Disposable ambidextrous gloves. 100/pk. Great replacement for latex. Good tensile strength.

280-3936	Small	\$33.00
280-3929	Medium	\$33.00
280-3922	Large	\$33.00
280-3943	X-Large	\$33.00



Goggles, Splash Vent Indirect

Scratch resistant outside and anti-fog inside lens

070-7554



\$9.50

Goggles, Safety, Wraparound

General safety glasses. Very Cool!

Clear Lens w/Black Frame

070-7582



\$8.45

Hot Plate

Temperature Range 5-380 C

222-3242 7.5 x 7.5"

\$311.55



Hot Plate/Stirrer

Temperature Range 5-380 C

with Stir Range 60-1500 RPM

222-3490 7.5 x 7.5"

\$458.65



Hydrometer, Alcohol, Tralle/Proof w/Thermometer (Spirit Filled)

0-100% Alcohol (+/- 1%),

0-200 Proof (+/- 2%),

-10 to 100F (1F), 380 mm

610-2579

\$55.65



Hydrometer, Alcohol, 9" Length

610-2589	80 - 120% (B)	\$58.05
610-2574	0 - 20% (F)	\$58.05
610-2584	20 - 40% (G)	\$58.05
610-2587	40 - 60% (H)	\$58.05
610-2586	60 - 80% (I)	\$58.05
610-2583	75 - 95% (K)	\$58.05
610-2580	90 - 110% (L)	\$58.05
610-2595	105 - 125% (M)	\$58.05
610-2596	125 - 145% (N)	\$58.05
610-2599	145 - 165% (P)	\$58.05
610-2582	165 - 185% (Q)	\$58.05
610-2578	185 - 206% (R)	\$58.05

170-2198	0 - 5%	\$63.30
170-2212	5 - 10%	\$63.30
170-2205	10 - 15%	\$63.30
170-2188	15 - 20%	\$63.30
170-2219	0 - 100% / 0 - 200 proof	\$63.30



Hydrometer, Brix

Plain Form.

310 mm to 330 mm

170-2247	-5 to +5	\$32.20
170-2226	0 to 35	\$32.20
170-2233	0 to 12	\$32.20
170-2254	9 to 21	\$32.20
170-2240	19 to 31	\$32.20



Hydrometer, Brix w/Thermometer, 370 mm

170-3444	0 to 30 F Bailing	\$54.50
170-3465	-5 to +5 C	\$54.50
170-3451	0 to 12 C	\$54.50
170-3472	9 to 21 C	\$54.50
170-3458	19 to 31 C	\$54.50
170-3463	0 to 35 C	\$54.50



Hydrometer, Specific Gravity

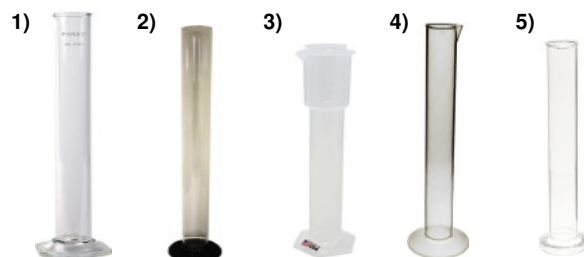
Plain Form. 330 mm

170-2261	0.980 to 1.020	\$39.35
170-2268	1.000 to 1.050	\$39.35
170-2275	1.000 to 1.100	\$39.35



Hydrometer Cylinders

1) Glass		
010-9065	390 x 50 mm	\$50.60
2) Acrylic		
170-1442	13.8" H x 1.1"	\$16.25
3) Polyethylene w/Overflow Cup		
031-2009	12" H x 1.75"	\$60.30
4) PMP		
170-1435	340 x 51 mm	\$30.55
5) Glass (Borosilicate)		
471-5641	12" H x 2"	\$19.75



Hydrometer Rack

Holds 18 Hydrometers.

9 7/8" H x 8 1/4" W x 8 1/2" D

610-5641

\$94.00



Impinger Set

Two piece bubbler set.
Used in the Vacuum Aspiration SO2 Assembly

471-3100	Complete Unit w/o Base	\$117.80
471-3023	Impinger Bottom	\$64.10
471-3086	Impinger Top	\$64.10
471-3016	Plastic Base	\$5.15



Incubator

Analog. Thermal Convection 115V,
up to 62 C, Internal Dim 12"W x 10"H x 10"D,
External Dim 13"W x 15"H x 11"D,
18 month warranty
222-1546

\$391.90



Lab Apron, Rubberized

Acid Resistant

690-4098	27 x 42"	\$16.60
690-4105	36 x 46"	\$20.35



Lab Coat, Knee Length, White

65% Dacron – 35% Cotton Wash-N-Dry

690-4581	32	\$59.70
690-4588	34	\$59.70
690-4595	36	\$59.70
690-4602	38	\$59.70
690-4609	40	\$59.70
690-4616	42	\$59.70
690-4623	44	\$59.70



Label Tape, 500' x 3/4"

181-5614	Orange	\$7.45
181-5663	White	\$7.45
181-5565	Blue	\$7.45
181-5593	Green	\$7.45
181-5670	Yellow	\$7.45



Litmus Paper

361-2685	Red, 100 strips	\$1.90
361-2671	Blue, 100 strips	\$1.90

Markers, Lab, A+ Brand

Quick drying. Water & alcohol resistant ink.

Writes on glass or plastic. Very permanent ink!

064-2540	Fine Tip	Black	\$2.00
064-2547	Fine Tip	Blue	\$2.00
064-2554	Fine Tip	Green	\$2.00
064-2561	Fine Tip	Red	\$2.00



Mask, Acidic/Organic Vapor

Disposable mask.

Protects from the Chromatography Solvent
and other harmful vapors

170-2408

\$36.55



Mask, Dust, A+ Brand

Great for keeping your lungs
clean from dust. 20/pk

170-3794

\$65.70



Microscope, A+ Brand

This package has it all! This is the best economical choice for
your microscope needs. We have put together the units that
won't break the budget but will give you some of the best optics
found on microscopes. Research grade Binoculars with 20W
Quartz Halogen Variable Illumination
Brightfields come w/4X, 10X, 40X, 100X Objectives
Phase Achromat has 10X, 20X, 40X, 100X
Phase Plan Achromat has 10X, 25X, 40X, 100X Objectives

291-0269	Brightfield Achromat	\$883.10
291-0271	Brightfield Plan Achromat	\$1149.20
291-0276	Phase Contrast Achromat	\$1451.55
291-0278	Phase Cont Plan Achromat	\$1875.80



Microscope, Stereo Zoom

This precision Stereoscope produces
3 dimensional images. Binocular viewing with
10X wide field eyepieces and zoom magnification
of 7X – 45X. 3-way illumination switch allows
upper and lower to be on separately or on
simultaneously. Upper and lower illumination
is a Quartz Halogen 6V/15W Bulb
291-0356

\$935.30



Microscope Slides, A+ Brand, 3x1"

290-1113	Plain	72/pk	\$6.80
290-1115	Frosted Single	72/pk	\$10.20



Microscope Cover Glass

290-1465	22mm #1	100/pk	\$6.35
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Microscope Slide Box

290-2473	25 slide	\$7.80
290-1017	50 slide	\$12.75
290-1001	100 slide	\$13.15



Microscope, Immersion Oil

170-2282	1/4 oz	\$5.85
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Microscope, Lens Cleaning Kit

Kit includes: Brush, Lens Paper,
Cleaning Solution, Swabs

291-5641

\$11.75



Microscope, Lens Paper

175-2380	4 x 6"	50/pk	\$3.70
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Mortar & Pestle, Porcelain

065-8712	145 ml	\$13.25
064-3114	300 ml	\$23.45



Notebook, Laboratory Grid

100 numbered pages, acid free,
date for easy recording w/water &
chemical proof cover
185-4210

\$23.55



Oven, Gravity Convection

Compact Gravity Oven, 120v
Chamber 12"W x 10"H x 10"D (.7 cu ft)

223-8540	225 C / 437 F	\$478.65
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Oxygen Meter, Portable

DO Meter, compact & economical

360-9965	Meter	\$517.30
360-9962	Replacement Probe	\$275.60
050-9420	Zero Oxy Std, 500ml	\$45.70



Parafilm

Flexible self sealing thermoplastic,
waterproof material

350-1015	2" x 250'	\$55.25
350-1022	4" x 125'	\$40.10
361-2664	4" x 250'	\$77.70



pH Meter, Pocket Testr, Oakton

Easy to operate, pH & Temp Display,
ATC and Waterproof



361-6703	Testr 10	+/- 0.01 pH	\$118.10
361-6711	Testr 30	+/- 0.01 pH	\$143.40
361-6705	Replacement Probe		\$75.80

pH Meter, Portable, 5+ w/SJ Probe

pH Meter 5+ Portable w/SJ Probe -
Economical plus Portability and Convenience -
pH 0-14 w/Readability +/- 0.01

363-5613	Meter w/SJ Probe	\$495.30
360-7746	Single Junction Probe	\$123.00
360-9964	Double Junction Probe	\$186.85



pH Meter, Bench, 700, Oakton

Meter measures pH, mV, relative mV, and
temperature. The large, dual-display LCD
provides excellent visibility, Five-point pH
calibration, with automatic buffer
recognition, over 40% smaller than
other benchtop meters.



360-9958	Complete Package	\$1,125.60
360-9959	Replacement Electrode	\$154.75

pH Electrode, Double Junction, BNC, A+

360-9034	Epoxy Gel Filled	\$130.90
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pH Electrode, Single Junction, BNC, A+

360-9041	Epoxy Gel Filled	\$87.55
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pH Electrode, All-In-One, BNC, Oakton

360-9959	Epoxy Gel Filled for 700 Meter	\$154.75
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pH Electrode, All-In-One, BNC, Oakton

360-9970	Epoxy Gel Filled for Economy 11	\$101.80
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pH Electrode, Epoxy, Triple Probe, A+

360-7497	Equivalent to Orion 9107BNMD	\$187.00
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pH Electrode, Epoxy, Triple Probe, A+

360-2390	Equivalent to Orion 9157BMD	\$161.20
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pH Electrode for 400 Meter, 3in1, 1M

360-1312	Replacement for 360-0411 Meter	\$70.00
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pH Electrode for Oakton 150 Meter

360-9963	S/J Replacement Probe	\$121.40
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360-9964	Double Junction Probe	\$160.40
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pH Electrode Stand

Swing Arm stand features 21" extension,
a pivoting head that holds three probes,
and a heavy steel base.

170-1659		\$92.20
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pH Electrode Storage Bottle

Put about .5 oz of storage solution in the bottle
and insert your electrode through the
O-ringed hole in the cap.

360-6425		\$14.75
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pH Strips, Non-Bleeding

Wide assortment packs.
Great way to check your pH on the fly.
100 strips per pack.

361-4001	0.0 – 14.0 pH	\$19.20
361-4002	0.0 – 6.0 pH	\$19.20
361-4003	2.0 – 9.0 pH	\$19.20
361-4004	4.5 – 10.0 pH	\$19.20
361-4005	7.0 – 14.0 pH	\$19.20



pH Strips, Color Compensated

For measuring colored solutions

361-4010	0 – 12 pH	\$20.05
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Pipet, Measuring, Glass



471-3810	1 ml	\$10.05
471-3824	2 ml	\$10.55
471-3831	5 ml	\$11.40
471-3838	10 ml	\$12.95
471-3845	25 ml	\$14.15

Pipet, Pasteur, 5 3/4"

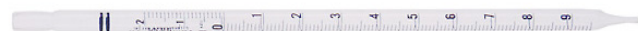
Has long thin tip for transferring liquids

170-8521	Each	\$0.18
020-3553	250/pk	\$30.20



Pipet, Serological, Glass, Sterile

Individually Wrapped



020-3361	1 ml	\$0.95	200/pk	\$140.00
020-3417	5 ml	\$1.15	100/pk	\$85.00
040-5489 (plastic)	5 ml	\$0.45	25/pk	\$8.75
020-3321	10 ml	\$1.15	100/pk	\$85.00

Pipet, Transfer, Disposable

Graduated, Non-Sterile,
3ml Large Bulb

170-2751	each	\$0.40
041-7177	500/pk	\$60.00



Pipet, Volumetric, Glass, Class A



471-3908	1/2 ml	\$6.20
471-3915	1 ml	\$4.75
471-3922	2 ml	\$7.15
471-3929	3 ml	\$7.45
471-3943	5 ml	\$8.45
471-3950	10 ml	\$8.65
471-3964	20 ml	\$10.25
471-3971	25 ml	\$11.35
471-3978	50 ml	\$16.40
471-3985	100 ml	\$23.20

Pipet, Wide Opening, Glass



170-8705	5 ml	\$26.35
170-8710	10 ml	\$27.05
170-8725	25 ml	\$40.70

Pipet Aid

170-2730		\$12.60
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Pipet Filler

3 corrosive valves control vacuum for filling and delivering. Fits most pipets.

170-2793		\$23.10
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Pipet Pastuer Bulb, Latex

170-2797		\$2.00
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Pipet Pump, Fast Release

Great quick and safe way to pipet.
Rotating knob to fill and dispense fluid from pipet.

031-4729	2 ml	Blue	\$20.50
031-4737	10 ml	Green	\$20.50
031-4745	25 ml	Red	\$28.00



Pipet Storage Rack

Holds 50 pipets vertically. Autoclavable PP.
Rows in 5 x 10 configuration.
Holds pipets up to 16mm Diameter.

031-5257		\$36.40
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Pipet Storage Rack, Round & Rotary

For storing and drying pipets

031-5252	28 place round	\$33.30
031-5255	94 place rotary	\$40.75



Pipet Washer/Rinser

030-4812	Complete Unit	\$499.95
030-4809	Washer	\$296.75
031-4513	Jar	\$150.05
031-4473	Basket	\$92.40



Pipettor, Variable Digital

Fully autoclavable adjustable pipettor, great when you will be performing a lot of pipetting, needing accuracy & precision. Calibration certificate included.



222-4505	Variable Digital 2 – 20 ul	\$169.55
222-4497	Variable Digital 20 – 200 ul	\$169.55
222-4489	Variable Digital 100 – 1000 ul	\$169.55
222-4481	Variable Digital 1 – 5 ml	\$169.55
222-4877	Variable Digital 2 – 10 ml	\$169.55

Pipet Tips

These are Non-Sterile bulk packs



040-5124	20 ul	1000/pk	\$52.45
040-5127	200 ul	1000/pk	\$34.35
040-5136	1000 ul	1000/pk	\$37.55
040-5134	5 ml	100/pk	\$34.10
040-5140	10 ml	100/pk	\$36.05

Pipettor Station, Acrylic, 4-Place

Great for storing your pipettors when not in use



184-5613 \$61.30

Rack, Conical & Test Tube, PP

Finger type rack, excellent visibility for your samples.



031-9961	50 ml Conical	24	\$48.95
031-9873	14-17 mm	50	\$30.95
031-9865	17-20 mm	40	\$31.60
031-9857	20-25 mm	30	\$31.60

Rack, Test Tube, PP, No Wire

Economical compared to wire racks. Outside Dimensions 246 x 104 x 64mm. Interlocking design so you can stack the racks



White (1/each or 5/case)

030-1345	13 mm	90	\$18.70/ea	\$70.25/cs
030-1337	16 mm	60	\$18.70	\$70.25
030-1329	20 mm	40	\$18.70	\$70.25

Red (1/each or 5/case)

030-1321	13 mm	90	\$18.70/ea	\$70.25/cs
030-1313	16 mm	60	\$18.70	\$70.25
030-1305	20 mm	40	\$18.70	\$70.25

Blue (1/each or 5/case)

030-5649	13 mm	90	\$18.70/ea	\$70.25/cs
030-5641	16 mm	60	\$18.70	\$70.25
030-5633	20 mm	40	\$18.70	\$70.25

Refractometer, Digital, Portable

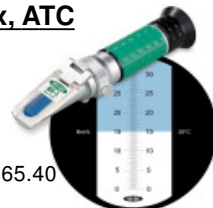
Temperature compensated unit with 6 month warranty



226-5881 0-65 Brix .1% \$564.30

Refractometer, Portable, 0-32 Brix, ATC

Easy to read, sturdy construction



170-2895 \$165.40

Scoop, PP

3 different sizes available for transferring reagents



036-5369	4 oz	\$4.50
036-5385	8 oz	\$4.70
036-5377	1 L	\$8.20

Spatula/Spoon, Stainless Steel

Excellent spoon/spatula that is sturdy & very strong/resistant



061-3793 \$6.60

Spectrophotometer, Digital, Genesys 20

Single Beam, 120v, Special range 325 – 1100 nm
222-3037 Please call for pricing



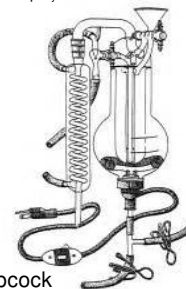
Accessories:

Cuvettes, (4.5ml) Methacrylate, Path 10mm, 100/pk	
040-1641	\$33.30
Cuvette Cap, 100/pk	
040-3137	\$12.40
Cuvette Rack LDPE, Holds 12	
030-9721	\$7.80

Still, Cash, Self-Evacuating, Complete

Borosilicate Glass, used to perform the Volatile Acidity test.

471-1420 Complete Unit \$1,699.15



Replacement Parts:

471-1392	Boiler w/Teflon Stopcock	\$905.45
471-1980	Condenser 200 mm (Std)	\$198.45
471-1987	Condenser 300 mm	\$216.65
471-1994	Condenser 400 mm	\$227.50
471-3002	Complete Heating Unit, threaded	\$227.50
471-2995	Heating Coil	\$65.75

Stir Bar, Teflon Coated, Octagon Shape

170-3073	5/16 x 1/2"	\$5.65
170-3094	5/16 x 5/8"	\$5.75
170-3080	5/16 x 1"	\$6.10
170-3066	5/16 x 1.5"	\$6.90
170-3087	5/16 x 2"	\$8.60
170-3096	5/16 x 2.5"	\$14.30
170-3098	5/16 x 3"	\$17.85



Stirrer, Magnetic 801 Basic

Speed 0-2300RPM, 3000ml Capacity,
Great little workhorse for your lab.
2yr Warranty

220-2801

\$86.00



Stir Bar Retriever

PE Rod w/magnetic tip to remove stir bars



060-2961	12"	\$11.30
060-3201	18"	\$13.95

Stirrer, Pyrocera Top

Top Plate Dim: 7.5 x 7.5".

Best material for top plate around!

222-3450

\$309.80



Stir Rod, Glass



170-3101	6 mm x 250 mm	\$3.00
170-3108	8 mm x 375 mm	\$5.60

Stoppers, Gum Rubber, Solid

170-3339	6.5	\$1.60
170-3346	7	\$1.75
170-3332	12	\$3.80



Stirrer, Economy

LED Economy Digital, 5.3" Dia, 100-1500 rpm

222-3169

\$200.25



Stoppers, Gum Rubber, 1-Hole

170-4585	0	\$0.85
170-4592	1	\$0.85
170-4606	6.5	\$1.65
170-4613	7	\$1.75
170-4599	12	\$4.50



Stoppers, Rubber, Solid

-20 to 212° F

Size	T x B x L mm	Solid #		1-Hole PN		2-Hole PN	
000	12.7 x 8.2 x 21	170-3136	\$0.36	170-4281	\$0.51	N/A	
00	15 x 10 x 25	170-3129	\$0.36	170-4298	\$0.51	N/A	
0	17 x 13 x 25	170-3122	\$0.67	170-3213	\$0.82	170-4312	\$0.87
1	19 x 14 x 25	170-3143	\$0.67	170-3220	\$0.82	170-4368	\$0.87
2	20 x 16 x 25	170-3234	\$0.67	170-4438	\$0.82	170-4445	\$0.87
3	24 x 18 x 39	170-3248	\$0.77	170-4452	\$0.92	170-4459	\$0.97
4	26 x 20 x 25	170-3255	\$0.77	170-3227	\$0.92	170-4466	\$0.97
5	27 x 23 x 25	170-3262	\$1.00	170-4480	\$1.15	170-4487	\$1.20
5.5	28 x 24 x 25	170-3269	\$1.00	N/A		170-4473	\$1.20
6	32 x 26 x 25	170-3276	\$1.20	170-4501	\$1.35	170-4508	\$1.40
6.5	34 x 27 x 25	170-3283	\$1.20	170-4490	\$1.35	170-4494	\$1.40
7	37 x 20 x 25	170-3290	\$1.65	170-4529	\$1.80	170-3241	\$1.85
7.5	39 x 31 x 25	170-3297	\$1.65	170-4515	\$1.80	170-4522	\$1.85
8	41 x 33 x 25	170-3304	\$2.25	170-4550	\$2.40	170-4557	\$2.45
8.5	43 x 36 x 25	170-3311	\$2.25	N/A		170-4543	\$2.45
9	45 x 37 x 25	170-3318	\$2.60	170-4571	\$2.75	170-4578	\$2.80
9.5	46 x 38 x 25	170-3325	\$2.60	N/A		170-4564	\$2.80
10	50 x 42 x 25	170-3150	\$3.20	170-4326	\$3.35	170-4333	\$3.40
10.5	53 x 45 x 25	170-3157	\$3.55	170-4319	\$3.70	N/A	
11	56 x 48 x 25	170-3164	\$4.20	170-4335	\$4.35	170-4340	\$4.40
11.5	64 x 54 x 25	170-3171	\$5.15	N/A		N/A	
12	64 x 54 x 25	170-3178	\$6.10	170-4354	\$6.25	170-4361	\$6.30
13	68 x 58 x 25	170-3185	\$6.10	170-4396	\$6.25	170-4403	\$6.30
13.5	75 x 62 x 35	170-3192	\$17.60	170-4389	\$17.75	N/A	
14	90 x 75 x 39	170-3199	\$20.50	170-4410	\$20.65	N/A	
15	103 x 83 x 39	N/A		170-4417	\$26.30	N/A	
16	127 x 90 x 50	170-3206	\$38.25	170-4424	\$38.40	N/A	



Sulfur Sticks

170-3367 Appx 15/pack \$24.10



Support Ring

065-8775 ID 3" \$14.00
065-8778 ID 3.5" \$15.05



Support Stand

8 x 12" Heavy base with 3/8 x 30" plastic rod.

170-3396 \$46.80



Support Stand, Steel

Black rectangle base with zinc plated rod

060-7281 5 x 6" - 3/8 x 20" rod \$27.50
065-8803 6 x 11" - 1/2 x 36" rod \$36.00



Thermometer, Armored Casing

Nickel-Plated Brass Armor Casing protects liquid-in-glass thermometers from rough handling and shock during use.

611-7809 305mm / 12" \$19.85



Thermometer, Digital

Easy to operate, 5" SS Stem,
Dual Range: -10°-100°C / -14°-212°F

611-4562 \$37.45



Thermometer, Glass, Organic

Mercury Free/Organic fill. 305mm Length. Partial Immersion

611-7801 -20 / 110C \$12.50
611-7815 -20 / 150C \$12.50
611-7794 0 / 230F \$12.50
611-7808 20 / 110C & 0 / 230F \$18.00



Timer, Digital, 4-Channel

Compact design,
easy to operate w/stopwatch

222-9513 \$28.05



Timer, Big Digit, Dual Display

Able to simultaneously display timer and clock or two timers. Large easy to read display, stands upright

222-9577

\$42.35



Mini- Titrator, Free & Total Sulphur Dioxide



170-0455

\$761.60

170-5551	Calibration Standard SO ₂ , 500ml	\$43.65
170-5552	Titration SO ₂ , 100ml	\$23.65
170-5553	Alkaline Rgt Total SO ₂ , 4x100ml	\$23.65
170-5554	Acid Rgt Total SO ₂ , 4 x 100ml	\$23.65
170-5555	Acid Rgt Free SO ₂ , 2 x 200ml	\$23.65
170-5556	Stabilizer SO ₂ , 80pp	\$54.55
170-0924	ORP Electrode	\$161.70
170-3075	Stir Bars, 3/pk	\$30.00
170-0010	Titration Tube	\$83.35
170-0020	Beaker 50ml, 4ea	\$10.90
170-0021	Beaker 20ml, 4ea	\$9.10
170-4535	Refill Electrode Solution 3.5M KCl	\$17.55

Mini- Titrator, Titratable Total Acidity



170-0456

\$761.60

170-5561	Calibration Standard TA, 100ml	\$54.55
170-5562	Titration TA, 100ml	\$23.65
175-2660	Buffer pH 7.0, 16oz	\$15.25
170-2789	Buffer pH 8.2, 16oz	\$15.25
170-0919	pH Electrode	\$171.70
170-3075	Stir Bars, 3/pk	\$30.00
170-0010	Titration Tube	\$83.35
170-0020	Beaker 50ml, 4ea	\$10.90
170-0021	Beaker 20ml, 4ea	\$9.10
170-4535	Refill Electrode Solution 3.5M KCl	\$17.55

Tongs, Beaker

Holds beakers from 50 ml to 2 L,
9" Length, 4.5" opening jaws

065-8838

\$16.30



Tongs, Beaker

Plated steel with fiberglass
jaws, 13" length

065-8845

\$56.70



Tongs, Flask, V-Jaw

065-8852



\$40.95

Tube, Conical, Plastic PP

50 ml Centrifuge tube.

Great for storing or centrifuging samples.

Sterile

170-4213

25 pack

\$16.40



Tube, Test, Culture, Glass

Standard test tube. Borosilicate glass, no cap.

Round bottom.

170-3437

20 x 150 mm

Each

\$0.65

020-5145

16 x 125 mm

250/cs

\$44.80



Tube, Test, Flat Bottom, Glass

No need for a rack.

These tubes are used in the sugar test

170-3423

2" x 3/4" (7.3ml)

\$0.65



Tube, Test, Screw Cap

Borosilicate glass with round bottom.

16 x 125 mm (15ml) with black screw cap

170-3430

12 pack

\$24.80

020-4897

250 pack

\$159.80



Tube, Transport, Plastic PP

Flat bottom tube, 10 ml, white screw cap. Sterile

170-1259

25 pack

\$13.95



Tubes, Capillary, A+ Brand

Special 25ul tubes, ML Chrom test

170-1274

100 pack

\$7.70

170-1280

500 pack

\$28.70



Tube Holder, Capillary

Plastic white holder

for capillary tubes, with 13 slots.

170-1267

\$10.60



Tubing, Bubble

mid-bubble to mid-bubble

170-3528

1/4" x 3' (large)

\$6.70

170-3535

3' (small)

\$6.20



Tubing, Glass

2' Length x 1 pound package

170-5960

5 mm OD

\$12.90

170-5962

6 mm OD

\$12.90

170-5987

8 mm OD

\$12.90

170-5993

10 mm OD

\$15.05



Tubing, Latex, Amber

175-3521

1/4" x 1/16" x 12 feet

\$26.75



Tubing, PVC, Clear

Flexible food grade tubing.

Can be easily clamped off.

175-3549

1/4" ID x 1 foot

\$1.65

175-3563

5/16" ID x 1 foot

\$1.65

175-3556

3/8" ID x 1 foot

\$1.65

175-3542

1/2" ID x 1 foot

\$1.65



Tubing Connectors, Plastic

5/16" OD on all connectors

035-2537

T-Tube

\$4.55

031-0905

Y-Tube

\$3.05

031-5689

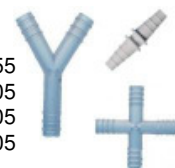
Straight

\$3.05

031-4169

Quick Disconnect

\$3.05



Vacu-Guard In-Line Filter, PTFE

Protects vacuum pump from fluids and

aerosols getting into the chamber.

561-8787

50 mm Diameter

\$21.45



Vacuum Aspirator Pump, Plastic

Attaches to a lab faucet and uses

running water to create vacuum.

030-4737

\$31.20



Vacuum Pump

Table top size, easy to operate,

oil-less diaphragm type

222-6391

Please call for pricing



Vacuum Pump, Diaphragm

Used in the A/O Free SO2 Assembly

060-4512

\$20.35

**Vacuum Pump, Hand Operated, 36 cc**

Great hand pump for the price. Fits 1/4" ID tubing.

033-9829

\$145.60

**Vinometer**

Used for estimating the alcohol content

170-3591

\$15.20

**Watch Glass (Glass)**

Concave, heavy walled with polished edges

471-8070	70 mm	\$2.95
471-8080	80 mm	\$3.45
471-8090	90 mm	\$3.75
471-8100	100 mm	\$4.40
471-8120	120 mm	\$5.10
471-8150	150 mm	\$7.00

**Wine Thief, Glass**

Straight type w/D Handle, 1.25" OD

170-1050	16"	\$70.45
170-1155	18"	\$76.30
170-1175	20"	\$84.50

**Wine Thief, Glass, Bent**

Bent type w/D Handle, 1.25" OD

170-1040	16"	\$70.50
170-1043	18"	\$79.95
170-1046	20"	\$84.50

**Wine Thief, Glass, Economy**

Straight type

170-3717	12"	\$13.10
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**Wine Thief, Plastic**

Breaks into 3 parts

170-3724	19"	\$11.40
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**Wipes, General Purpose**

Non-linting

066-6434	Small 4.5x8.5" 280/pk	\$5.95
066-6441	Large 13.5x17" 140/pk	\$11.95



Thank You

for looking to

All World Scientific

for all of your

Wine Testing

Supply

needs!!

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If there is anything you
are in need of and do not
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