



# UNITED

SCIENTIFIC SUPPLIES, INC.

## GLASSWARE



## CERAMICWARE



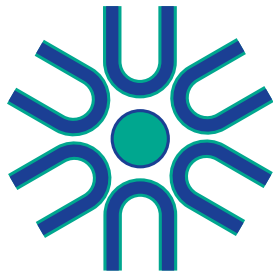
## PLASTICWARE



## HARDWARE

# LABORATORY PRODUCTS CATALOG

847-336-7556/[www.unitedsci.com](http://www.unitedsci.com)



United Scientific Supplies, Inc. is a family owned and operated business. Our products are manufactured in modern factories worldwide and distributed from our warehouse in Waukegan, Illinois. We have been serving the needs of the scientific community **since 1992**, and we look forward to working with you.

## Our Mission

Our mission is to promptly deliver quality products at good prices. Our commitment to carry **large amounts of inventory** has allowed us to consistently meet and exceed customer expectations.

**For over twenty years** we have strived to offer the best quality products on the market. Our merchandise is **guaranteed** against defects in materials or workmanship for up to **one year** after the ship date. Most of our products are normally available for immediate shipping from inventory.

## Customer Service

Customer Service has always been a vital part of our company. You can expect personalized attention, fast confirmation of your orders, and quick responses to any questions that you may have. Our **experienced customer service team** is available to answer your questions promptly and provide you with friendly, efficient support.

We **custom manufacture** a wide variety of products that are not included in our catalog, due to exclusive arrangements with our customers. We offer several advantages in custom manufacturing including economical tooling costs, short lead times, and extremely competitive pricing. We can also **customize a product with your name or logo**. Please contact us to discuss your individual needs.



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Our products are sold only through our network of authorized dealers. Count on us to maintain a generous supply of your most popular products. We keep our inventory levels high so you can be confident that items will be in stock when you and your customers need them.

We focus on strict quality control so our products deliver consistent, reliable results for your customers. We are here to support your sales efforts by offering excellent value, professional service, and quick delivery.

It has been a privilege to serve our dealers since 1992. Our business continues to expand, in large part because of long-time partnerships. Your continued loyalty is a key element of our success - thank you for your business!



## UNITED SCIENTIFIC SUPPLIES, INC.

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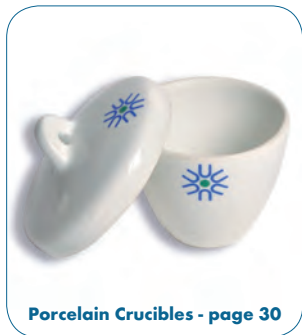
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## Beakers, Low Form, Borosilicate Glass



Our beakers are made from low-expansion borosilicate glass. Beakers feature heavy and uniform wall thickness, spouts designed for easy pouring, and beaded tops. The 20ml and larger sizes also have a double graduated metric scale and a marking area. Tolerance for beakers is approximately +/- 5%.

Item No.	Capacity (ml)	Grad. Range (ml)	Grad. Interval (ml)	Quantity per Pack	Quantity per Case
BG1000-5	5	NA	NA	12	48
BG1000-10	10	NA	NA	12	48
BG1000-20	20	5-15	10	12	48
BG1000-25	25	10-20	10	12	48
BG1000-30	30	5-25	10	12	48
BG1000-50	50	10-40	10	12	48
BG1000-100	100	20-80	10	12	48
BG1000-150	150	20-140	20	12	48
BG1000-250	250	25-200	25	12	48
BG1000-400	400	50-300	25	12	48
BG1000-500	500	100-400	50	6	36
BG1000-600	600	100-500	50	6	36
BG1000-800	800	100-750	50	6	24
BG1000-1000	1000	100-900	50	6	24
BG1000-1500	1500	200-1400	200	4	16
BG1000-2000	2000	200-1800	200	1	8
BG1000-3000	3000	250-2500	250	1	4
BG1000-4000	4000	500-3500	500	1	6
BG1000-5000	5000	1000-4000	500	1	4
BG1000-10000	10000	2000-8000	1000	1	1

## Beakers, Berzelius, Tall Form, Borosilicate Glass

Tall form Berzelius beakers include a spout. Our beakers are made from low-expansion borosilicate glass. Beakers feature heavy and uniform wall thickness, spouts designed for easy pouring, and beaded tops. Also include white printed graduations and a marking area. Tolerance for beakers is approximately +/- 5%.

### Tall Form Berzelius Beakers with Spout

Item No.	Capacity (ml)	Grad. Range (ml)	Grad. Interval (ml)	Quantity per Pack	Quantity per Case
BG1060-100	100	20-80	10	12	48
BG1060-200	200	25-150	25	12	48
BG1060-250	250	25-200	25	12	48
BG1060-300	300	25-250	25	12	48
BG1060-400	400	50-300	25	6	36
BG1060-500	500	100-400	50	6	24
BG1060-600	600	100-500	50	6	24
BG1060-1000	1000	100-900	50	6	18

### Tall Form Berzelius Beakers without Spout\*

Item No.	Capacity (ml)	Grad. Range (ml)	Grad. Interval (ml)	Quantity per Pack	Quantity per Case
BG1040-100	100	20-80	10	12	48
BG1040-250	250	25-200	25	12	48
BG1040-500	500	100-400	50	6	24

\*Additional sizes of Berzelius beakers are available. Please call for details.





## Beakers, Low Form, Heavy Duty, Borosilicate Glass

Heavy duty beakers are ideal for tough handling conditions including mechanized washing. Beakers feature a double graduated metric scale and a marking area. Tolerance is approximately  $\pm 5\%$ .

Item No.	Capacity (ml)	Grad. Range (ml)	Grad. Interval (ml)	Quantity per Pack	Quantity per Case
BG1003-1000	1000	100 - 900	50	1	24
BG1003-2000	2000	200 - 1800	200	1	8



## Glass Beaker Set, Borosilicate



An ideal starter set for any laboratory, this set contains 5 borosilicate glass beakers in sizes 50ml, 100ml, 250ml, 600ml, and 1000ml.

Item No.	Description
BGSET5	Glass Beakers, Set of 5

## Properties of United Glassware

### Chemical Composition:

Our glassware is manufactured from low-expansion Type 1, Class A Borosilicate 3.3 glass that complies with ASTM E438 Standard Specification for Glasses in Laboratory Apparatus.

It is low alkali glass with a typical chemical composition of approximately 81% silica, 13% boric oxide, 4% sodium oxide, and 2% aluminum oxide. It is virtually free of magnesia-lime-zinc group, and contains only traces of heavy metals.

### Thermal Properties:

Borosilicate glass has a low coefficient of thermal expansion. Therefore, the thermal stresses under a given temperature gradient are low, and the glass can withstand higher temperature gradients as well as sudden temperature changes / thermal shocks. However, even minute scratching of glass surface can reduce its thermal resistance.

The 'Strain Point' (about 500°C) is generally recommended as the maximum safe operating temperature for United glassware. The glass may acquire permanent stresses upon cooling if it is heated above 500°C. Our glassware is annealed in modern ovens under strictly controlled conditions to ensure minimal residual stress.

### Chemical Durability:

United glassware is highly resistant to water, neutral and acid solutions, concentrated acids and their mixtures, as well as to chloride, bromine, iodine, and organic matters. Even during extended period of reaction and at temperatures above 100°C, its chemical resistance exceeds that of most metals and other materials. Our glassware can withstand repeated dry and wet sterilization and offers good resistance against various chemicals, except for hydrofluoric acid, hot phosphoric acid and alkaline solutions.

### Optical Properties:

United glassware has a clear and colorless appearance, and shows no noticeable absorption in the visible region of the spectrum.

### Safety:

Treated with proper care, United glassware will offer long-term, satisfactory service in the laboratory. Please contact us for detailed recommendations regarding heating and cooling, mixing and stirring, vacuum and pressure, cleaning, and safety precautions that must be followed while using glassware.



## Beakers, Griffin Style, Polypropylene (PP)



Beakers, molded in polypropylene, have excellent clarity and very good chemical resistance. They are autoclavable and feature raised graduations on the outer surface. Griffin Style beakers nest without sticking together.

Item No.	Capacity (ml)	Graduation Interval (ml)	O.D. x Height (mm)	Quantity per pack
BP0050	50	5	55 x 55	12
BP0100	100	5	60 x 62	12
BP0250	250	10	85 x 100	6
BP0500	500	10	100 x 120	4
BP0600	600	10	110 x 125	4
BP1000	1000	25	124 x 150	3
BP2000	2000	250	155 x 185	3

## Plastic Beaker Set, PP

This handy set for any laboratory contains 5 graduated polypropylene beakers in sizes 50ml, 100ml, 250ml, 500ml and 1000ml.

Item No.	Description
BPSET5	Plastic Beakers, PP, Set of 5



## Plastic Beaker Set, PMP

This set of polymethylpentene beakers offers glass-like clarity with the durability of plastic. Includes 5 graduated PMP beakers in sizes 50ml, 100ml, 250ml, 500ml and 1000ml.

Item No.	Description
BMSET5	Plastic Beakers, PMP, Set of 5



## Beakers, New Style, PP

Beakers, molded in polypropylene, have excellent clarity and very good chemical resistance. They are autoclavable and feature raised graduations on the outer surface. New Style beakers feature oversized, tapered spouts for easier pouring of solutions.

Item No.	Capacity (ml)	Graduation Interval (ml)	O.D. x Height (mm)	Quantity per pack
11110	25	5	34 x 49	12
11111	50	5	43 x 54	12
11112	100	5	53 x 62	12
11113	250	10	72 x 100	6
11114	500	10	89 x 120	4
11115	1000	25	110 x 150	3
11116	2000	50	135 x 184	3
11117	5000	200	213 x 260	1





## Tri-Corner Beakers, PP

These sturdy polypropylene beakers feature three pouring lips for drip-less dispensing. Beakers are graduated in both ounces and milliliters. Available in packs of 100, or as an assortment of 30 beakers featuring 5 of each size.

Item No.	Capacity	Graduation Interval	O.D. x Height (mm)	Quantity per pack
BTC0050	50ml/1.5 oz.	10ml/0.5 oz.	57 x 67	100
BTC0100	100ml/3.5 oz.	10ml/0.5 oz.	71 x 84	100
BTC0250	250ml/8 oz.	20ml/1 oz.	88 x 101	100
BTC0400	400ml/13 oz.	40ml/1 oz.	111 x 115	100
BTC0800	800ml/26 oz.	50ml/2 oz.	137 x 134	100
BTC1000	1000ml/32 oz.	50ml/2 oz.	143 x 141	100

Item No.	Description
BTCST30	Tri-Corner Beaker Set (five each of 50ml, 100ml, 250ml, 400ml, 800ml, and 1000ml sizes)



## Beakers, Printed Graduations, PP



Polypropylene beakers with pouring spouts are ideal for general laboratory use. Tapered design is convenient for stacking and holding. All sizes have easy to read silk-screened graduations. Autoclavable.

Item No.	Capacity (ml)	Height (mm)	Quantity per pack
P50601	50	59	12
P50602	100	73	12
P50603	250	94	12
P50604	500	128	6
P50605	1000	150	4
P50606	2000	190	4
P50607	5000	263	2
P50608	10000	330	1

## Beakers, Printed Graduations, Polymethylpentene (PMP)

Polymethylpentene beakers with pouring spouts are ideal for general laboratory use. Tapered design is convenient for stacking and holding. All sizes have easy to read silk-screened graduations. Autoclavable.

Item No.	Capacity (ml)	Height (mm)	Quantity per pack
P50701	50	59	12
P50702	100	73	12
P50703	250	94	12
P50704	500	128	6
P50705	1000	150	4
P50706	2000	190	4
P50707	5000	263	2
P50708	10000	330	1



## Stackable Beakers, PP



Polypropylene beakers are highly flexible; a gentle squeeze creates a spout anywhere on the rim. Stacking the ribs prevents the beakers from sticking together. Autoclavable.

Item No.	Capacity	Graduation Interval	O.D. x Height (mm)	Quantity per pack
BST120-PK/25	120ml/4 oz.	10ml/0.5 oz.	70 x 64	25
BST120-CASE	120ml/4 oz.	10ml/0.5 oz.	70 x 64	1000
BST500-PK/25	500ml/17 oz.	50ml/1 oz.	108 x 95	25
BST500-CASE	500ml/17 oz.	50ml/1 oz.	108 x 95	500





## Beakers with Handle, Short Form, PP



Short form beakers with raised graduations, molded in polypropylene, are clear, autoclavable and have good chemical resistance. All sizes have handles for convenient lifting.

Item No.	Capacity (ml)	Top Flange Diameter (mm)	Height (mm)	Graduation Interval (ml)	Quantity per pack
81121	500	95	110	25	12
81122	1000	122	132	50	6
81123	2000	145	167	50	6
81124	3000	170	188	100	6
81105	5000	184	225	250	1

Item No.	Description
PJSET5	Set of 5 Beakers with Handle (one each of 500ml, 1000ml, 2000ml, 3000ml, and 5000ml sizes)

## Beakers with Handle, Tall Form, PP

Tall form beakers with raised graduations, molded in polypropylene, are clear, autoclavable and have good chemical resistance. All sizes have handles for convenient lifting.

Item No.	Capacity (ml)	Top Flange Diameter (mm)	Height (mm)	Graduation Interval (ml)	Quantity per pack
81101	250	83	99	10	12
81102	500	97	126	10	12
81103	1000	114	170	10	6
81104	2000	150	212	20	6



## Beakers with Handle, Printed Graduations, PP



Polypropylene beakers with pouring spouts are ideal for general laboratory use. Includes rectangular handle for easy carrying and pouring. All sizes have easy to read silk-screened graduations. Autoclavable.

Item No.	Capacity (ml)	Height (mm)	Quantity per pack
P50802	100	73	6
P50803	250	94	6
P50804	500	128	6
P50805	1000	150	4
P50806	2000	190	4
P50807	5000	248	2
P50808	10000	330	1

## Beakers with Handle, Printed Graduations, PMP

Polymethylpentene beakers with pouring spouts are ideal for general laboratory use. Includes rectangular handle for easy carrying and pouring. All sizes have easy to read silk-screened graduations. Autoclavable.

Item No.	Capacity (ml)	Height (mm)	Quantity per pack
P50902	100	73	6
P50903	250	94	6
P50904	500	128	6
P50905	1000	150	4
P50906	2000	190	4
P50907	5000	248	2
P50908	10000	330	1







## Beaker Tongs

Beaker tongs feature strong zinc-plated steel construction with flat riveted joints and vinyl coated sleeves that open to 7". Tongs can handle beakers from 50ml to 1500ml capacity. Overall length is 9.75".



Item No.	Description
BTSP09	Beaker Tongs, each

## Properties of United Plastic Labware

Our plastic labware is manufactured from high-quality resins. Treated with proper care, United plasticware will offer long-term, satisfactory service in the laboratory. Please refer to the chart below for physical properties of United plasticware.

### Physical Properties of United Plastic Labware

Resin	Maximum Use Temperature (°C)	Brittleness Temperature (°C)	Transparency	Autoclavable*
High Density Polyethylene (HDPE)	120	-100	Translucent	No
Low Density Polyethylene (LDPE)	80	-100	Translucent	No
Polycarbonate (PC)	135	-135	Clear	Yes
Acrylic (PMMA)	50	20	Clear	No
Polymethylpentene (PMP)	175	20	Clear	Yes
Polypropylene (PP)	135	0	Translucent	Yes
Polystyrene (PS)	90	20	Clear	No
Polytetrafluoroethylene (PTFE)	270	-200	Opaque	Yes
Polyvinyl Chloride (PVC)	70	-30	Clear	No

\*Autoclave at 121°C, 15 psi for 20 minutes. Clean and rinse item with distilled water before autoclaving. Certain chemicals which have no appreciable effect on resins at room temperature may cause deterioration at autoclaving temperatures.

### Chemical Properties of United Plastic Labware

Class of Substance at Room Temperature	HDPE	LDPE	PC	PMMA	PP	PS	PSF	PTFE	PMP
Acids, Dilute or Weak	E	E	E	G	E	E	E	E	E
Acids, Strong and Concentrated	E	E	N	N	E	F	G	E	E
Alcohols, Aliphatic	E	E	G	N	E	E	G	E	E
Aldehydes	G	G	F	G	G	N	F	E	G
Bases	E	E	N	F	E	E	E	E	E
Esters	G	G	N	N	G	N	N	E	G
Hydrocarbons, Aliphatic	G	F	F	G	G	N	G	E	F
Hydrocarbons, Aromatic	G	F	N	N	F	N	N	E	F
Hydrocarbons, Halogenated	F	N	N	N	F	N	N	E	N
Ketones	G	G	N	N	G	N	N	E	F
Oxidizing Agents, Strong	F	F	N	N	F	N	G	E	F

**Resin Code**

- HDPE High-density polyethylene
- LDPE Low-density polyethylene
- PC Polycarbonate
- PMMA Polymethyl methacrylate
- PP Polypropylene
- PS Polystyrene
- PSF Polysulfone
- PTFE Polytetrafluoroethylene
- PMP Polymethylpentene

**Chemical Resistance Classification**

- E = Excellent - 30 days of constant exposure cause no damage. Plastics may even tolerate for years.
- G = Good - Little or no damage after 30 days of constant exposure to the reagent.
- F = Fair - Some effect after 7 days of constant exposure to the reagent like crazing, cracking, loss of strength or discoloration.
- N = Not Recommended - Not for continuous use. Immediate damage may occur.

Please contact us for detailed information regarding compatibility of our plasticware with specific chemicals.



## Media / Storage Bottles, Borosilicate Glass



These borosilicate glass, general purpose media bottles are autoclavable with permanent white imprinted graduations and marking spots. The screw thread opening has an I.D. of approximately 30mm. The supplied GL 45 cap is liner-less and both the cap and drip free ring are polypropylene autoclavable to 140° Celsius. Maximum use temperature of bottles is 450° Celsius.

Item No.	Capacity (ml)	Graduation Range (ml)	O.D. x Height (mm)	Quantity per pack
BM0100	100	20-80	56 x 100	10
BM0250	250	50-200	70 x 138	10
BM0500	500	100-400	86 x 175	10
BM1000	1000	100-900	101 x 225	10
BM2000	2000	400-1800	136 x 262	4

## Reagent Bottles, Narrow Mouth, PP and HDPE

Available in polypropylene (PP) as well as high density polyethylene (HDPE). The PP bottles are rigid, translucent and have excellent contact clarity. These bottles can be autoclaved. The HDPE bottles are not rigid yet have excellent strength.

### Polypropylene (PP)

Item No.	Capacity (ml)	Height (mm)	Neck Dia. I.D./O.D. (mm)	Quantity per pack
33253	15	58	14/17	12
33254	30	62	14/17	12
33301	60	72	17/22	12
33302	125	110	16.5/20	12
33303	250	139	20/25	12
33304	500	165	20/25	12
33305	1000	222	20/25	6

### High Density Polyethylene (HDPE)

Item No.	Capacity (ml)	Height (mm)	Neck Dia. I.D./O.D. (mm)	Quantity per pack
33401	60	72	17/22	12
33402	125	110	16.5/20	12
33403	250	139	20/25	12
33404	500	165	20/25	12



## Reagent Bottles, Bulk Pack, HDPE



Leak-proof narrow mouth bottles constructed of High-Density Polyethylene (HDPE), with Polypropylene (PP) closure. A great value!

Item No.	Description	Quantity per pack
33402-BULK	Reagent Bottles, Narrow, HDPE, 125ml	500
33403-BULK	Reagent Bottles, Narrow, HDPE, 250ml	250
33404-BULK	Reagent Bottles, Narrow, HDPE, 500ml	125



## Reagent Bottles, Wide Mouth, PP and HDPE

### Polypropylene (PP)

Item No.	Capacity (ml)	Height (mm)	Neck Dia. I.D./O.D. (mm)	Quantity per pack
33311	30	62	21/25	12
33306	60	73	20/25	12
33307	125	100	27/32	12
33308	250	137	35/41	12
33309	500	149	35/41	12
33310	1000	218	35/41	6

### High Density Polyethylene (HDPE)

Item No.	Capacity (ml)	Height (mm)	Neck Dia. I.D./O.D. (mm)	Quantity per pack
33406	60	73	20/25	12
33407	125	100	27/32	12
33408	250	137	35/41	12
33409	500	149	35/41	12



Available in polypropylene (PP) as well as high density polyethylene (HDPE). The PP bottles are rigid, translucent and have excellent contact clarity. These bottles can be autoclaved. The HDPE bottles are not rigid yet have excellent strength.



## Wash Bottles, Unitary, LDPE

These bottles are made of translucent and low density polyethylene (LDPE). The distinguishing feature of these bottles is the built-in delivery tube which makes it a one-piece wash bottle. Graduated on the outer surface to reflect an approximate volume of solution filled or dispensed.

Item No.	Capacity (ml)	Graduation Interval (ml)	Quantity per pack
36607	125	25	12
36605	250	50	12
36606	500	100	12

## Wash Bottles, LDPE

These bottles are made of translucent and low density polyethylene (LDPE). Solutions can be dispensed easily by lightly squeezing the bottle. The flexible polyethylene delivery tube can be directed wherever required.

Item No.	Capacity (ml)	Quantity per pack
36601	125	12
36602	250	12
36603	500	6
36604	1000	6



## Wash Bottle, Wide Mouth, LDPE

Wide-mouth wash bottle is made of low density polyethylene (LDPE). These lightweight bottles feature a polypropylene screw closure with its stem and draw tube molded in one piece for leak-proof applications.

Item No.	Capacity (ml)	Quantity per pack
WBPL500	500	6







## Carboys with Stopcock, PP



These polypropylene, autoclavable carboys are equipped with a preassembled leak-proof stopcock. Ideal for storing and dispensing various laboratory solutions. Threads should be totally disengaged before autoclaving.

Item No.	Capacity (L)	O.D. x Height (mm)	Mouth I.D. (mm)	Quantity per pack
34051	10	250 x 430	67	1
34052	20	300 x 542	67	1

## Carboys, PP

These polypropylene, autoclavable carboys feature wide handles for convenient carrying and pouring. Ideal for storing various laboratory solutions. Threads should be totally disengaged before autoclaving.

Item No.	Capacity (L)	O.D. x Height (mm)	Mouth I.D. (mm)	Quantity per pack
34001	10	250 x 430	67	1
34002	20	300 x 542	67	1



## Bottle, Vacuum, PP



This heavy-duty autoclavable bottle features thick walls and is designed for repeat vacuum applications. Cap includes a non-toxic silicone O-ring for a secure seal. Threads should be totally disengaged before autoclaving.

Item No.	Capacity (ml)	O.D. x Height (mm)	Mouth I.D. (mm)	Quantity per pack
33521	2000	120 x 275	40	1



## Bottles, Storage, Wide Mouth, PP

These bottles provide an excellent option for storage of reagents and other materials in the laboratory. The square shape is designed to optimize shelf space. Available in three different sizes, these bottles feature polypropylene caps, are autoclavable, and provide good chemical resistance.

Item No.	Capacity (ml)	O.D. x Height (mm)	Mouth I.D. (mm)	Quantity per pack
81900	250	64 x 87	36	12
81901	500	78 x 115	49	12
81902	1000	100 x 135	71	6



## Bottle, Square, Wide Mouth, PP



This large, autoclavable bottle can be used for storing and shipping chemicals and reagents. The 86 mm diameter opening makes it easy to fill and dispense contents. Bottle features built-in grips on two sides for secure handling. Threads should be totally disengaged before autoclaving.

Item No.	Capacity (ml)	O.D. x Height (mm)	Mouth I.D. (mm)	Quantity per pack
33511	4000	137 x 290	86	1

## BOD Bottles, Glass

BOD Bottles for incubating diluted samples of clean water, waste water, effluent water, and polluted water during the 5-day biochemical oxygen demand (BOD) test. Bottles are unnumbered and feature a penny head stopper.

Item No.	Description	Quantity per pack
BOD060	BOD Bottle, 60ml, unnumbered	36
BOD300	BOD Bottle, 300ml, unnumbered	24
BODCAR	BOD Bottle Carrier	1



## BOD Bottles, Glass, Numbered



BOD Bottles for incubating diluted samples of clean water, waste water, effluent water, and polluted water during the 5-day biochemical oxygen demand (BOD) test. Bottles are numbered to allow for convenient organization of samples. 300ml bottles also include a bar code. Glass robotic stoppers are included.

Available in series of numbers from 1 through 432 in increments of 36 (60ml size) or 24 (300ml size). Please specify series of numbers when placing your order.

Item No.	Description	Quantity per pack
BOD060-N	BOD Bottle, 60ml, numbered	36
BOD300-N	BOD Bottle, 300ml, numbered and barcoded	24
BODCAR	BOD Bottle Carrier	1



## Specific Gravity Bottles, Borosilicate Glass



These uncalibrated borosilicate bottles are excellent for determining the specific gravity of liquids. Include a ground glass stopper.

Available in 10 ml or 25 ml sizes.

Item No.	Description
SGB010	Specific Gravity Bottle, 10 ml
SGB025	Specific Gravity Bottle, 25 ml

## Barnes Dropping Bottle, 30ml, Glass

Square shaped clear flint glass bottles with glass pipet and rubber bulb stopper. Capacity 30ml. Replacement pipets also available. Standard pack quantity is 36 each.

Item No.	Description
BOT030	Bottle, with pipet and rubber bulb
BPB010-PK/12	Replacement pipets and bulbs (pk/12)
BULB010-PK/12	Replacement bulbs (pk/12)



## Eye Dropper, Glass



Straight glass pipettes with tapered rubber bulbs. Approximately 70 mm long with 2 ml capacity.

Item No.	Description
BPB002-PK/3	Eye Dropper, pack of 3
BPB002-PK/72	Eye Dropper, pack of 72

## Flint Glass Bottle

Round clear flint glass bottle, 60 ml capacity.

Item No.	Description
BOT060	Glass Bottle, 60 ml







## Test Tube Brushes, Nylon Bristles

Good quality nylon bristles, mounted in twisted heavy gauge galvanized wire. All brushes feature a radial top.

Additional sizes are available. Please call for details.

Item No.	Brush Length	Brush Diameter	Overall Length	Quantity per pack
TTBRB1	3"	1/2"	8"	12
TTBRB2	3"	3/4"	8"	12
TTBRB3	3"	1"	9"	12
TTBRB4	4"	1-1/2"	11"	12



## Test Tube Brushes, Natural Bristles



Good quality natural bristles, mounted in twisted heavy gauge galvanized wire. All brushes feature a radial top.

Additional sizes are available. Please call for details.

Item No.	Brush Length	Brush Diameter	Overall Length	Quantity per pack
TTBN01	3"	1/2"	8"	12
TTBN02	3"	3/4"	8"	12
TTBN03	3"	1"	9"	12
TTBN04	4"	1-1/2"	11"	12

## Burette Brush, Nylon Bristles



Good quality nylon bristles, mounted in twisted heavy gauge galvanized wire. Includes a radial top.

Item No.	Brush Length	Brush Diameter	Overall Length	Quantity per pack
BUBR01	10"	1/2"	28"	1



Close-up of Burette Brush bristles.

## Beaker Brush, Natural Bristles



Good quality natural black bristles, mounted in twisted heavy gauge galvanized wire. Includes a radial top.

Item No.	Brush Length	Brush Diameter	Overall Length	Quantity per pack
BBR013	6"	3"	13"	1
BBR016	6"	3"	16"	1



## Volumetric Ware background information

United volumetric glassware is of high quality and manufactured to ASTM standards using state-of-the-art manufacturing and calibration equipment. The calibration laboratory is NABL accredited in accordance with ISO 17025:2005 standards.

Class A versions of our volumetric ware comply with USP (United States Pharmacopoeia) standards. Burettes and pipettes are calibrated 'to deliver' (TD, Ex). Flasks and Graduated Cylinders are calibrated 'to contain' (TC, In).

Class B volumetric instruments feature tolerances that are about twice that of comparable Class A instruments (e.g. if a Class A burette has a tolerance of  $\pm 0.05\text{ml}$ , the corresponding Class B version will have a tolerance of approximately  $\pm 0.10\text{ml}$ ).

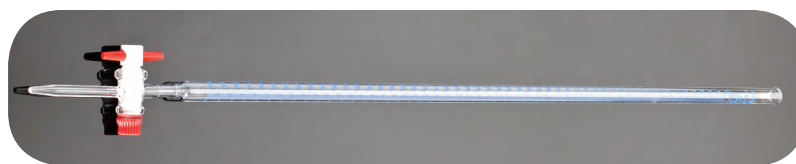
Volumetric instruments can be heated up to  $250^{\circ}\text{C}$  in a drying cabinet or sterilizer without any resulting volume changes. Never heat volumetric instruments on a hot plate.

The standard reference temperature (i.e., the temperature at which volumetric instruments will contain or dispense their stated volume) is  $20^{\circ}\text{C}$ .



**United's volumetric ware is calibrated in an NABL-accredited laboratory.**

## Burettes, Class A, with Straight Bore PTFE Key Stopcock, Batch Certified



Class A, ASTM E-287, meets USP standards, batch certified. Waiting time of 30 seconds. Manufactured from precision bore tubing and calibrated To Deliver (TD, Ex) on computer-controlled machines. Includes PTFE straight bore stopcock.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance ( $\pm$ ml)	Quantity per pack
BR2129-10	10	0.05	0.02	1
BR2129-25	25	0.10	0.03	1
BR2129-50	50	0.10	0.05	1

www.glasscolabs.com		GLASSCO ISO 9001:2008
<b>BURETTE WITH PTFE STOPCOCK</b>		
<b>CLASS A</b>		
CATALOGUE NO	:	115 450 01
NOMINAL VOLUME	:	10.00 ml
TOLERANCE	:	$\pm 0.020$ ml
COMPLIANCE	:	ASTM E-287
BATCH NO	:	11-13
MEAN VOLUME DEL.	:	9.990 ml
STANDARD DEVIATION	:	0.004 ml
TESTING DEVICE NAME	:	SARTORIUS
BALANCE	:	ABAL-12,420g/0.001g
WEIGHTS	:	10g
THERMOMETER	:	DM-03,-50 to200
	:	DEG C/0.1DEG
OPERATOR	:	ROSHNI
DATE OF ISSUE	:	11-11-13

**Each burette includes a batch calibration certificate.**



## Burettes, Class A, with Straight Bore PTFE Key Stopcock, Individually Certified

Class A, ASTM E-287, meets USP standards, serialized and certified. Waiting time of 30 seconds. Manufactured from precision bore tubing and calibrated To Deliver (TD, Ex) on computer-controlled machines. Includes PTFE straight bore stopcock.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance ( $\pm$ ml)	Quantity per pack
BR2128-10	10	0.05	0.02	1
BR2128-25	25	0.10	0.03	1
BR2128-50	50	0.10	0.05	1



Each burette includes an individually serialized certificate.

## Burettes, Class A, with Screw Thread Stopcock, Batch Certified

Class A, ASTM E-287, meets USP standards, batch certified. Waiting time of 30 seconds. Manufactured from precision bore tubing and calibrated To Deliver (TD, Ex) on computer-controlled machines. Includes PTFE screw thread stopcock.



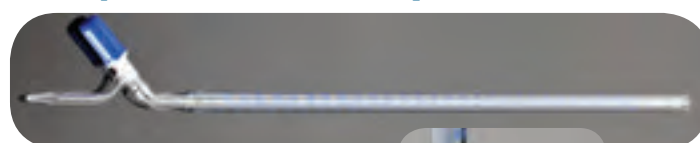
Each burette includes a batch calibration certificate.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance ( $\pm$ ml)	Quantity per pack
BR2121-10	10	0.05	0.02	1
BR2121-25	25	0.10	0.03	1
BR2121-50	50	0.10	0.05	1

## Burettes, Class A, with Screw Thread Stopcock, Individually Certified

Class A, ASTM E-287, meets USP standards, serialized and certified. Waiting time of 30 seconds. Manufactured from precision bore tubing and calibrated To Deliver (TD, Ex) on computer-controlled machines. Includes PTFE screw thread stopcock.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance ( $\pm$ ml)	Quantity per pack
BR2120-10	10	0.05	0.02	1
BR2120-25	25	0.10	0.03	1
BR2120-50	50	0.10	0.05	1



Each burette includes an individually serialized certificate.





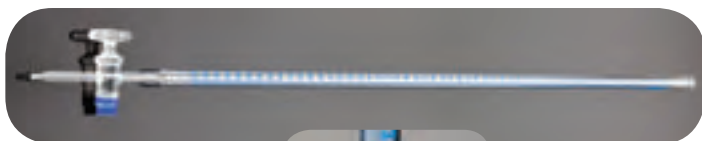
## Burettes, Class B, with Straight Bore PTFE Key Stopcock



Burettes are made from the highest quality accurate bore tubing to provide a high degree of accuracy, reliability, and durability. All graduations are in resilient white enamel. Accuracy as per Class "B".

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance ( $\pm$ ml)	Quantity per pack
BR2130-10	10	0.05	0.04	1
BR2130-25	25	0.10	0.06	1
BR2130-50	50	0.10	0.10	1
BR2130-100	100	0.20	0.20	1

## Burettes, Class B, with Straight Bore Glass Stopcock



Burettes are made from the highest quality accurate bore tubing to provide a high degree of accuracy, reliability, and durability. All graduations are in resilient white enamel. Accuracy as per Class "B".

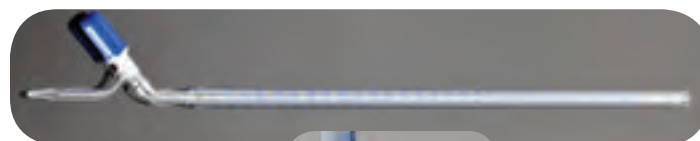
Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance ( $\pm$ ml)	Quantity per pack
BR2124-10	10	0.05	0.04	1
BR2124-25	25	0.10	0.06	1
BR2124-50	50	0.10	0.10	1
BR2124-100	100	0.20	0.20	1

Stopcock plugs are not interchangeable. We recommend using different types of greases depending on the reagent used. Please call for details.

## Burettes, Class B, with Screw Thread Stopcock

Include general purpose screw thread stopcocks with PTFE keys. Burettes are made from the highest quality accurate bore tubing to provide a high degree of accuracy, reliability, and durability. All graduations are in resilient white enamel. Accuracy as per Class "B".

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance ( $\pm$ ml)	Quantity per pack
BR2122-10	10	0.05	0.04	1
BR2122-25	25	0.10	0.06	1
BR2122-50	50	0.10	0.10	1
BR2122-100	100	0.20	0.20	1



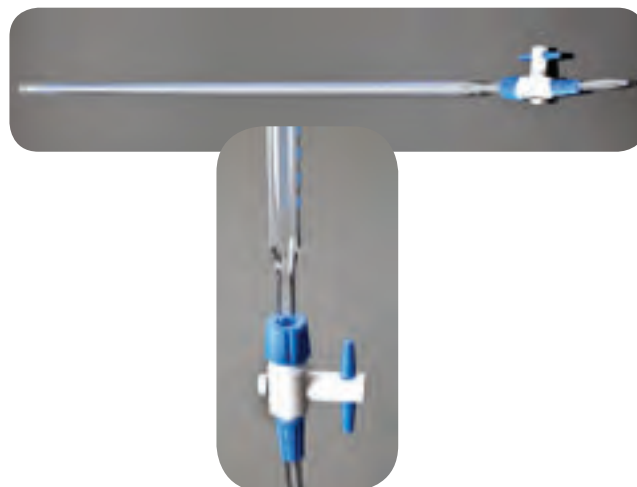


## Burettes, Class B, with PTFE Detachable Stopcocks

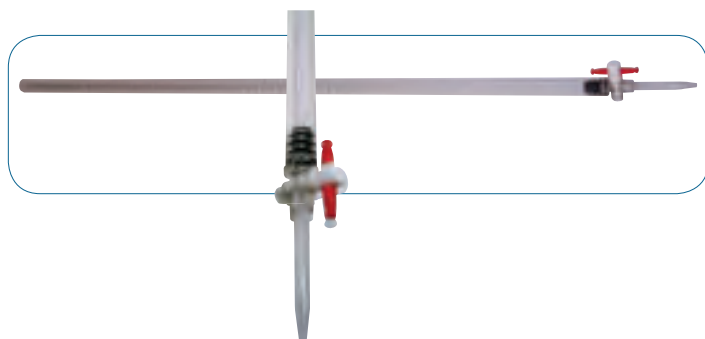
Burettes are made from the highest quality accurate bore tubing to provide a high degree of accuracy, reliability, and durability. Accuracy as per Class "B".

PTFE stopcock and tip detaches from the body of the burette for easy cleaning and convenient replacement of broken tips.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance ( $\pm$ ml)	Quantity per pack
BR2116-10	10	0.05	0.04	1
BR2116-25	25	0.10	0.06	1
BR2116-50	50	0.10	0.10	1



## Acrylic Buret



This buret has a clear acrylic body and leakproof stopcock with a self lubricating PTFE plug. Acrylic body is resistant to dilute mineral acids and bases except Hydrofluoric Acid and Ammonium Hydroxide. Graduations are in 0.1 ml increments.

Item No.	Capacity (ml)	Overall Length (mm)	Quantity per pack
11501	25	570	1
11502	50	735	1
11503	100	835	1

## Automatic Burette, Glass, Class A, Individually Certified

Self-zeroing burette is mounted on a glass bottle. Includes a PTFE needle valve stopcock, intermediate stopcock and rubber bellows.

Class A, ASTM E-287, meets USP standards, individually serialized and certified. Includes Schellbach backing for easy reading of liquid levels. With amber graduations. Manufactured from precision bore tubing and calibrated To Deliver (TD, Ex) on computer-controlled machines.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance ( $\pm$ ml)	Bottle Capacity (ml)	Qty per pack
BRA215-10	10	0.05	0.02	500	1
BRA215-25	25	0.10	0.03	2000	1
BRA215-50	50	0.10	0.05	2000	1





## Micro Centrifuge Tubes, PP



Made from high-quality virgin polypropylene, these Micro Centrifuge Tubes are RNase, DNase and Pyrogen free for safer use in molecular biology and other biochemical applications. Include a connected snap cap, large molded-in graduations, and a frosted surface for easier writing. Autoclavable tubes can be used in very low temperatures and with various organic solvents. Maximum RCF 20000. Amber colored tubes are suitable for light sensitive applications because they do not allow any light to pass through the samples.

Item No.	Capacity (ml)	Outside Diameter (mm)	Height (mm)	Quantity per pack
P10201	0.5 (Natural)	10	31.5	1000
P10201A	0.5 (Amber)	10	31.5	1000
P10207	0.5 (Blue)	10	31.5	1000
P10202	1.5 (Natural)	13	41	500
P10204A	1.5 (Amber)	13	41	500
P10204	1.5 (Blue)	13	41	500
P10203	2.0 (Natural)	13	41	500
P10203A	2.0 (Amber)	13	41	500
P10205	2.0 (Blue)	13	41	500

## Micro Centrifuge Tubes, Rainbow Pack

This convenient assortment includes 125 each of red, blue, yellow and green tubes.

Made from high-quality virgin polypropylene, these Micro Centrifuge Tubes are RNase, DNase and Pyrogen free for safer use in molecular biology and other biochemical applications. Include a connected snap cap, large molded-in graduations, and a frosted surface for easier writing. Autoclavable tubes can be used in very low temperatures and with various organic solvents. Maximum RCF 20000.

Item No.	Capacity (ml)	Outside Diameter (mm)	Height (mm)	Quantity per pack
P10204R	1.5	13	41	500



## Micro Pestles, PP



This double-ended polypropylene micro pestle features one end that fits 1.5ml microcentrifuge tubes and another end that fits 0.5ml tubes. Autoclavable.

Micro pestles are excellent for resuspending bacterial cells and precipitates of nucleic acids or proteins, and are useful for tissue grinding.

Item No.	Description	Quantity per pack
81441	Micro Pestle for 1.5ml and 0.5ml tubes	12



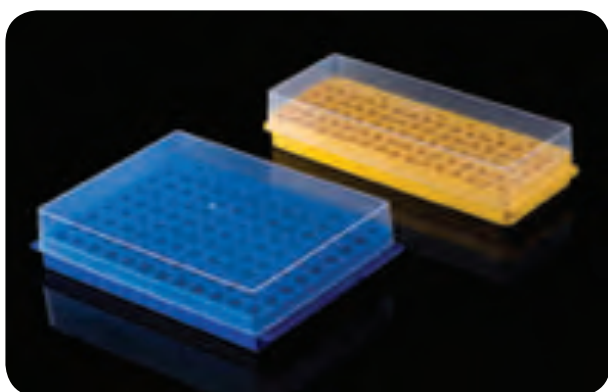
## Rack for Micro Centrifuge Tube, PC

Stackable polycarbonate racks are compatible with both 1.5ml and 2.0ml Micro Centrifuge Tubes. Each hole has molded in numbers and letters for sample identification. Ergonomic design provides easy insertion and removal and of tubes. Can be used in wide temperature range (-135°C to 135°C). Autoclavable.

Item No.	Tube Capacity (ml)	Places	Color	L x W x H (mm)	Qty per pack
P20201	1.5 and 2.0	24 (6 x 4 array)	White	164 x 100 x 59	8
P20202	1.5 and 2.0	24 (6 x 4 array)	Yellow	164 x 100 x 59	8
P20203	1.5 and 2.0	48 (12 x 4 array)	White	293 x 100 x 59	8
P20204	1.5 and 2.0	48 (12 x 4 array)	Yellow	293 x 100 x 59	8



## Reversible Rack for Microcentrifuge Tube, PP



Polypropylene racks contain grids on both sides. One side holds 1.5/2.0 ml micro centrifuge tubes with extra smaller positions for 0.5 ml tubes, and the other side holds 0.5 ml micro centrifuge tubes with extra positions for 1.5/2.0 ml micro centrifuge tubes. The 96 place rack contains 12 x 8 arrays. The 80 place rack contains 16 x 5 arrays. Molded-in coding for easy identification of tubes. Autoclavable.

Item No.	Tube Capacity (ml)	Places	L x W x H (mm)	Quantity per pack
P20206	1.5, 2.0 & 0.5	96 (12 x 8 array)	220 x 150 x 50	6
P20207	1.5, 2.0 & 0.5	80 (16 x 5 array)	240 x 85 x 50	6

## Rack for Microcentrifuge Tube, PP

Sturdy autoclavable racks are compatible with both 1.5 ml and 2.0 ml Micro Centrifuge Tubes. Racks lock together on each side so that several can be attached for larger experiments. Each hole has molded in numbers for sample identification. Ergonomic design provides easy insertion and removal and of tubes. Include rubber supports on the bottom for stability.

Item No.	Tube Capacity (ml)	Places	L x W x H (mm)	Quantity per pack
P20205	1.5 and 2.0	20 (10 x 2 array)	210 x 70 x 35	8







## Centrifuge Tube, Conical Bottom, PP/HDPE



Polypropylene tubes include blue HDPE leak-proof screw caps. The tubes and caps feature specially-designed flat threads for vacuum-type closure that is leak-free at a pressure of >700mm Hg. Highly smooth hydrophobic internal surfaces minimize wall effect. Silk-screen graduations and a frosted surface make writing easier.

Autoclavable at 121°C and 15 psi for 30 minutes. Radiation sterilized. DNase, RNase, Pyrogen and latex-free. Maximum RCF 14000.

Amber colored tubes are suitable for light sensitive applications because they do not allow any light to pass through the samples.

Item No.	Capacity (ml)	Cap Color	O.D. x Height (mm)	Quantity per pack
P10402	15 (Sterile)	Blue	16.5 x 117.8	500
P10406	15 (Sterile Amber)	Blue	16.5 x 117.8	500
P10404	50 (Sterile)	Blue	29.2 x 114.3	500
P10408	50 (Sterile Amber)	Blue	29.2 x 114.3	500

## Racked Centrifuge Tube Conical Bottom

Centrifuge Tube and Rack sets are a convenient solution for organizing and storing Conical Bottom tubes. Racks are made of expanded polystyrene (EPS) and include holes arranged in a zigzag format for easy dispensing. Racks contain 50 of the 15ml tubes or 25 of the 50ml tubes. Sterile tubes are available in Clear or Amber styles.

For a detailed listing of tube specifications, please refer to our 'Centrifuge Tube, Conical Bottom, PP/HDPE' presentation.

Item No.	Capacity (ml)	Height (mm)	Quantity per pack
P10412	15 (Racked, Sterile)	125	50 pcs x 10 Racks
P10414	15 (Sterile Amber, Racked)	125	50 pcs x 10 Racks
P10416	50 (Racked, Sterile)	120	25 pcs x 20 Racks
P10418	50 (Sterile Amber, Racked)	120	25 pcs x 20 Racks



## Self Standing Centrifuge Tubes, PP/HDPE



Polypropylene tubes include a convenient flat bottom so they stand on their own, a large white frosted labeling area, silk screen graduations, and a leak-proof cap.

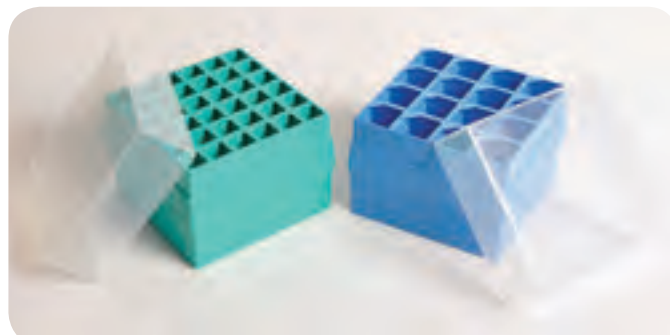
Autoclavable at 121°C and 15 psi for 30 minutes. Radiation sterilized. DNase, RNase, Pyrogen and latex-free. Maximum RCF 9000.

Item No.	Capacity (ml)	Cap Color	O.D. x Height (mm)	Quantity per pack
P10424	50 (Sterile)	Blue	29.2 x 117.3	500



## Centrifuge Tube Box, PP

Autoclavable centrifuge tube boxes provide a more durable and rugged alternative to cardboard or foam racks. These racks can withstand a temperature of -90° C to 121° C. Color-coding makes it easy to distinguish between rack sizes - green racks hold 15ml tubes, and blue racks hold 50ml tubes. Each tube placeholder contains a numeric code, easily visible through the clear lid.



Item No.	Capacity (ml)	L x W x H (mm)	Quantity per pack
P20604	15	145 x 145 x 125	4
P20605	50	145 x 145 x 125	4

## Rack for Microcentrifuge Tubes, PP

Two-tier polypropylene racks hold up to 100 of 1.5ml microcentrifuge tubes. Racks are autoclavable and can be used in water baths or freezers. A molded-in alphanumeric index makes sample identification easy. Racks are stackable and have a 2-3/4" x 1" labeling area on two sides.



Item No.	Description	Quantity per pack
77910	Rack for Microcentrifuge Tubes, PP	6

## Hand Centrifuge

This hand-driven centrifuge comes with a table-mounting clamp. Features a painted metal body and metal head. Comes complete with four aluminum shields. Easily disassembles for storage in specially designed foam box. Crank is geared to head at 16:1 ratio. A crank rate of 12 turns in 10 seconds yields a head speed of 1152 rpm.



Item No.	Description
CENTFG1	Hand-driven Centrifuge



## 3-Prong Extension Clamp with Boss Head



Our deluxe line of 3-prong extension clamps are constructed of pressure die-cast zinc alloy and are chrome-plated. Clamps open to about 3", have a recommended maximum grip size of about 2.25", and feature double keyed spring-type adjustment screws. Boss head clamp can swing freely, is lockable at any angle up to 360°, and can be used with rods up to 19mm.

Item No.	Description	Maximum Use Temperature
ECPVC2	3-Prong Extension Clamp with Boss Head, PVC coated grips	80°C
ECSIL2	3-Prong Extension Clamp with Boss Head, Silicone coated grips	280°C

## 3-Prong Extension Clamp with Rod

Our deluxe line of 3-prong extension clamps are constructed of pressure die-cast zinc alloy and are chrome-plated. Clamps open to about 3", have a recommended maximum grip size of about 2.25", and feature double keyed spring-type adjustment screws. Extension rod is 8.25" long, 5/16" OD, with an overall length of 12.75".

Item No.	Description	Maximum Use Temperature
ECPVC1	3-Prong Extension Clamp with Rod, PVC coated grips	80°C
ECSIL1	3-Prong Extension Clamp with Rod, Silicone coated grips	280°C



## 3-Prong Extension Clamp with Steel Rod



Features a 3-prong die-cast clamp attached to a chrome-plated steel rod. Prongs are covered with rubber tubing. Overall length is 10".

Item No.	Description	Maximum Use Temperature
ECLJ03	3-Prong Extension Clamp with Steel Rod	60°C

## 3-Prong Universal Clamp with Holder

Clamp features vinyl coated three pronged jaws that open up to 2.25" wide. Includes fiberglass sleeves and a clamp holder that can be rotated 360°.

Item No.	Description	Maximum Use Temperature
ECBH01	Universal Clamp with Clamp Holder	80°C





## 2-Prong Burette Clamp with Boss Head

Our deluxe line of two prong burette clamps are made of pressure die casted zinc alloy and are chrome plated. Adjustable to hold up to 60mm OD burettes, these clamps feature a spring-type adjustment key. Boss head clamp can swing freely and is lockable at any angle up to 360°, and can be used with rods up to 19mm.



Item No.	Description	Maximum Use Temperature
CLCORK2	2-prong Burette Clamp with Boss Head, Cork coated grips	60°C
CLPVC2	2-prong Burette Clamp, with Boss Head, PVC coated grips	80°C
CLSIL2	2-prong Burette Clamp, with Boss Head, Silicone coated grips	280°C



## 2-Prong Burette Clamp with Extension Rod

Our deluxe line of two prong burette clamps are made of pressure die casted zinc alloy and are chrome plated. Adjustable to hold up to 60mm OD burettes, these clamps feature a spring-type adjustment key. Extension rod is 8.25" long, 5/16" OD, with an overall length of 12.75".

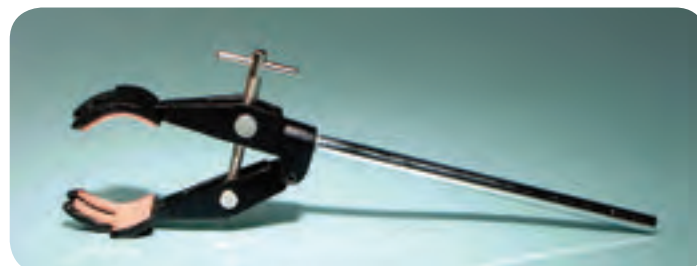
Item No.	Description	Maximum Use Temperature
CLCORK1	2-prong Burette Clamp with Extension Rod, Cork coated grips	60°C
CLPVC1	2-prong Burette Clamp with Extension Rod, PVC coated grips	80°C
CLSIL1	2-prong Burette Clamp with Extension Rod, Silicone coated grips	280°C



## 2-Prong Extension Clamp with Steel Rod

Features a 2-prong die-cast clamp attached to a chrome-plated steel rod. Jaws are lined with cork. Overall length is 8".

Item No.	Description	Maximum Use Temperature
CLEX01	2-Prong Extension Clamp with Steel Rod	60°C







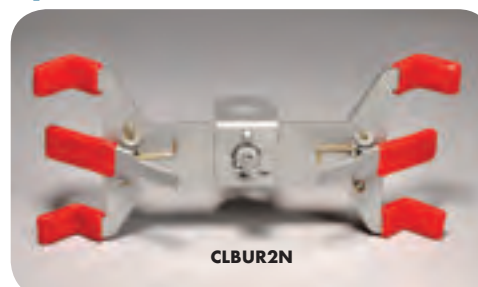
## Deluxe Burette Clamps



Deluxe burette clamps are die-cast from aluminum and feature black rubber sleeves for firm gripping of burettes. The adjustable clamps hold up to 30mm O.D. burettes which are held in place by the pressure created by the springs. For use with rods up to 19mm diameter.

Item No.	Description
CLBURDS	Deluxe Burette Clamp, Single
CLBURDD	Deluxe Burette Clamp, Double

## Burette Clamps



These clamps are constructed from steel and feature plastic covered spring jaws. Available in single and double versions, these clamps accept burettes up to 35mm O.D., and can be used with support rods up to 1/2" O.D.

Item No.	Description
CLBUR1N	Burette Clamp, Single
CLBUR2N	Burette Clamp, Double

## Burette Clamp, PP

These polypropylene burette clamps are completely corrosion-proof. The spring-loaded jack in the middle provides a vice like grip on the burette and prevents it from slipping. Two tapered wedges are included to ensure firm grip on 1/2" or 3/8" diameter rods.

Item No.	Description	Quantity per pack
45101	Burette Clamp, PP, Single	12
45102	Burette Clamp, PP, Double	6



## Lincoln-type Burette Clamp



This zinc-plated stamped steel burette clamp has a steel thumbscrew and can be used with rods up to 3/4" in diameter. The distance between the two burettes is 7-1/4" (18.4cm).

Item No.	Description
CLLB02	Lincoln-Type Burette Clamp



## Burette Clamp with Boss Head, Coated Jaws

Excellent for holding small objects. The jaws open from 15mm to 45mm (1/2" to 1-3/4"). The clamp attaches to rods up to 13mm (1/2") O.D. Jaws can be rotated and locked at any angle. Jaws are covered with PVC sleeves.



Item No.	Description
COBR3-FR	Burette Clamp with Boss Head, Coated Jaws

## Burette Clamp with Boss Head, Uncoated Jaws



Excellent for holding small objects. The jaws open from 15mm to 45mm (1/2" to 1-3/4"). The clamp attaches to rods up to 13mm (1/2") O.D. Jaws can be rotated and locked at any angle.

Item No.	Description
COBR3-U	Burette Clamp with Boss Head, Uncoated Jaws

## Clamp with Hook

Clamp with Hook can be rotated and locked in any position. Ideal for supporting suspended thermometers, drying tubes, etc. The clamp attaches to rods up to 13mm (1/2") O.D.



Item No.	Description
CLHK01	Clamp With Hook

## Thermometer Clamp



Thermometer Clamp features adjustable 360° rotating jaw for suspending thermometers. The clamp attaches to rods up to 13mm (1/2") O.D.

Item No.	Description
THCL01	Thermometer Clamp

## Clamp Holder, Brass

For rods to 19mm in diameter. Brass body with brass thumb screws.



Item No.	Description
RCLBH2	Clamp Holder, Brass Body, Brass Thumb Screws

## Clamp Holder, Cast Iron



For rods to 19mm in diameter. Cast iron body with brass thumb screws.

Item No.	Description
RCLBH1	Clamp Holder, Cast Iron, Brass Thumb Screws

## Swivel Clamp Holder

Plated steel double clamp. Accepts rods up to 3/4" diameter (19 mm). One clamp can be rotated 360° along its axis and locked in any position. Length across clamps is 4.5".



Item No.	Description
CLMS01	Swivel Clamp



## C-Clamps



Our clamps feature strong cast iron frames and a screw-thread mechanism that provides a sturdy grip.

Item No.	Description
CLMPC2	C-Clamp, 2" jaw opening
CLMPC3	C-Clamp, 3" jaw opening
CLMPC4	C-Clamp, 4" jaw opening
CLMPC5	C-Clamp, 5" jaw opening
CLMPC6	C-Clamp, 6" jaw opening

## Screw Compressor Tubing Clamps

Closed-type tubing clamps are made of zinc-plated steel wire.

Item No.	Description
HSCOP1	Screw Compressor Tubing Clamp, opens to 3/4"
HSCOP2	Screw Compressor Tubing Clamp, opens to 1"



## Mohr's Pinchcock Tubing Clamps

Pinchcock tubing clamps are made of zinc-plated steel wire.



Item No.	Description
CLMP01	Mohr's Pinchcock Clamp, for 10mm diameter tubing
CLMP02	Mohr's Pinchcock Clamp, for 13mm diameter tubing
CLMP03	Mohr's Pinchcock Clamp, for 16mm diameter tubing

## Hook Collar Clamps

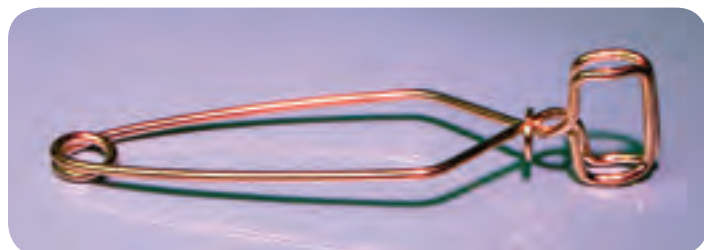
Plated steel collar clamps feature thumbscrews and hooks for suspending pulleys, balances, etc. from support rods or crossbars.

Item No.	Description
HKCL01	Hook Collar Clamp, for 1/2" diameter rods
HKCL02	Hook Collar Clamp, for 3/4" diameter rods



## Test Tube Clamps

Self-closing, available in brass wire or steel wire with brass finish.



Item No.	Description
TTCL01	Test Tube Clamp, Brass Wire, With Finger Grips
TTCL02	Test Tube Clamp, Brass Wire, Without Finger Grips
TTCL03	Test Tube Clamp, Steel Wire, Brass Finish, With Finger Grips
TTCL04	Test Tube Clamp, Steel Wire, Brass Finish, Without Finger Grips



## Stainless Steel Crucibles

Unibody construction from Type 304 stainless steel. Can withstand temperatures from -180°C to 800°C. Covers included.



Item No.	Capacity (ml)	Height (mm)	Top Outside Diameter (mm)	Quantity per pack
SSR015	15	34	32	1
SSR020	20	34	33	1
SSR025	25	34	36	1
SSR030	30	38	39	1
SSR050	50	48	46	1
SSR100	100	55	57	1

## Nickel Crucibles

Unibody construction from sheet nickel, polished inside and out. Can withstand temperatures up to 600°C. Covers included.



Item No.	Capacity (ml)	Height (mm)	Top Outside Diameter (mm)	Quantity per pack
NCR015	15	29	32	1
NCR025	25	39	36	1
NCR050	50	47	45	1
NCR100	100	56	57	1

## Crucibles, Glass

Clear quartz glass crucibles are useful for analytical applications that require ashing of samples. Can withstand a continuous operating temperature of 1050°C. Lids, also manufactured from quartz, are sold separately.



Item No.	Capacity (ml)	Height (mm)	Top Outside Diameter (mm)	Quantity per pack
CGQ015	15	25	41	1
CGQ025	25	28	47	1
CGQ050	50	37	57	1
CGQ080	80	45	67	1
CGQ100	100	48	70	1
CGQ150	150	51	82	1

### Lids for Glass Crucibles

Item No.	Fits Glass Crucible	Quantity per pack
CGQ015-L	15ml Capacity (CGQ015)	1
CGQ025-L	25ml Capacity (CGQ025)	1
CGQ050-L	50ml Capacity (CGQ050)	1
CGQ080-L	80ml Capacity (CGQ080)	1
CGQ100-L	100ml Capacity (CGQ100)	1
CGQ150-L	150ml Capacity (CGQ150)	1

## Crucible Tongs

Tongs have an overall length of 9" and include riveted joints and serrated tips.



Item No.	Description
CTSP09	Crucible Tongs, Plated Steel
CTBR09	Crucible Tongs, Brass
CTSS09	Crucible Tongs, Stainless Steel





## Porcelain Crucibles, Wide Form with Cover



Wide form crucibles include covers. Crucibles are glazed on inner and outer surfaces except for the outside bottom and rim.

Autoclavable. Withstand temperatures to 1150° C. To prevent thermal stress cracks, we strongly recommend a heating/cooling rate not exceeding 200° C per hour. United porcelain crucibles offer excellent resistance to acids and alkalis except for hydrofluoric acid.

Item No.	Capacity (ml)	Height (mm)	Top Outside Diameter (mm)	Quantity per pack
JCL010	10	20	32	6
JCL020	20	26	41	6
JCL030	30	31	50	6
JCL050	50	37	61	6
JCL100	100	46	76	6
JCL150	150	52	84	6
JCL250	250	60	102	6

## Porcelain Crucibles, Tall Form with Cover

Tall form crucibles include covers. Crucibles are glazed on inner and outer surfaces except for the outside bottom and rim.

Autoclavable. Withstand temperatures to 1150° C. To prevent thermal stress cracks, we strongly recommend a heating/cooling rate not exceeding 200° C per hour. United porcelain crucibles offer excellent resistance to acids and alkalis except for hydrofluoric acid.



Item No.	Capacity (ml)	Height (mm)	Top Outside Diameter (mm)	Quantity per pack
JCT013	1.3	15	15	6
JCT005	5	20	24	6
JCT010	10	26	31	6
JCT015	15	29	35	6
JCT025	25	32	40	6
JCT030	30	37	43	6
JCT040	40	40	50	6
JCT050	50	43	53	6
JCT100	100	54	65	6
JCT250	250	72	88	6

## Porcelain Crucibles, Gooch Filter with Cover



Gooch crucibles have a perforated bottom and include covers. Crucibles are glazed on inner and outer surfaces except for the outside bottom and rim. Used for determination of total suspended solids.

Autoclavable. Withstand temperatures to 1150° C. To prevent thermal stress cracks, we strongly recommend a heating/cooling rate not exceeding 200° C per hour. United porcelain crucibles offer excellent resistance to acids and alkalis except for hydrofluoric acid.

Item No.	Capacity (ml)	For Filter Paper Dia. (mm)	Height x Top O.D. (mm)	Quantity per pack
JGC015	15	15 - 16	32 x 29	6
JGC030	30	20 - 21	45 x 36	6
JGC050	50	23 - 24	49 x 40	6
JGC140	140	30	83 x 55	1



## Properties of High Alumina Products

United's High Alumina wares are made of 99.7% pure aluminum oxide. Highly resistant to chemical attack, this alumina-ceramic ware is especially useful to chemists, metallurgists and others involved in high temperature work demanding contamination-free results.

High Alumina ware is highly refractory, meant for use in reducing and oxidizing atmospheres. It is inert in hydrogen and carbonaceous

atmospheres and offers high resistance to alkalis and other fluxes. Suitable for glass melting, including borosilicate glass.

Recommended for use with refractory metals such as Molybdenum, Platinum, Rhodium, Tungsten, Tantalum and Iridium. High-Alumina Labware temperature change rate should not exceed 150°C/hour.

### Chemical Analysis

Chemical	Percentage
Al <sub>2</sub> O <sub>3</sub>	99.71%
SiO <sub>2</sub>	0.04%
Fe <sub>2</sub> O <sub>3</sub>	0.05%
TiO <sub>2</sub>	Trace
CaO	0.05%
MgO	0.06%
Na <sub>2</sub> O	0.05%
K <sub>2</sub> O	Trace
L.O.I.	0.02%
TOTAL	99.98%

### Properties

### Value/Results

Density	3.922 gm/cc
Water Absorption	NIL
Color	Ivory
Flexural Strength (MOR)	493.4 MPa
Hardness (Moh's Scale)	+9
Hardness (Rockwell Scale)	84
Coefficient of Thermal Expansion (30°C - 1000°C)	8.21 (1 x 10 <sup>-6</sup> /°C)
Maximum Use Temperature	1750°C
Chemical Resistance with Conc. H <sub>2</sub> SO <sub>4</sub> at 100°C (4 Hrs)	0.0008%
Chemical Resistance with 10% NaOH at 100°C (4 Hrs)	0.0003%
Chemical Resistance with H <sub>3</sub> PO <sub>4</sub> at 90°C (4 Hrs)	0.002%

## Crucibles, High Alumina, Tall Form

Tall form, unglazed, 99.7% alumina crucible. Maximum use temperature is 1750°C.

Item No.	Capacity (ml)	Height (mm)	Top Outside Diameter (mm)	Quantity per pack
JAH010	10	33	30	1
JAH020	20	36	39	1
JAH050	50	47	52	1
JAH100	100	62	65	1



## Crucibles, High Alumina, Cylindrical Form



Cylindrical form, unglazed, 99.7% alumina crucible. Maximum use temperature is 1750°C.

Item No.	Capacity (ml)	Height (mm)	Top Outside Diameter (mm)	Quantity per pack
JAY010	10	29	28	1
JAY020	20	40	32	1
JAY030	30	45	35	1
JAY050	50	56	41	1

## Crucibles, High Alumina, Conical Form

Conical form, unglazed, 99.7% alumina crucible. Maximum use temperature is 1750°C.

Item No.	Capacity (ml)	Height (mm)	Top Outside Diameter (mm)	Quantity per pack
JAC020	20	42	33	1
JAC030	30	43	48	1
JAC050	50	53	46	1
JAC100	100	86	64	1





## Graduated Cylinders, Glass, Class A, Batch Certified



Cylinders comply with ASTM E-1272, Class A standards, batch certified. Double metric scale, calibrated to contain. Borosilicate glass cylinders with pour spouts feature heavy uniform wall tubing and strong, stable, hexagonal bases. All cylinders come with bumper guards.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance ( $\pm$ ml)	Quantity per pack
CY3021-10	10	0.2	0.10	1
CY3021-25	25	0.5	0.17	1
CY3021-50	50	1.0	0.25	1
CY3021-100	100	1.0	0.50	1
CY3021-250	250	2.0	1.0	1
CY3021-500	500	5.0	2.0	1
CY3021-1000	1000	10.0	3.0	1
CY3021-2000	2000	20.0	6.0	1



Each cylinder includes a batch calibration certificate.

Cylinders on this page are calibrated to contain. We also offer Class A cylinders that are calibrated to deliver. Please call for details.

## Graduated Cylinders, Glass, Class A, Individually Certified



Cylinders comply with ASTM E-1272, Class A, meets USP standards, individually serialized and certified.

Double metric scale, calibrated to contain. Borosilicate glass cylinders with pour spouts feature heavy uniform wall tubing and strong, stable, hexagonal bases. All cylinders come with bumper guards.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance ( $\pm$ ml)	Quantity per pack
CY3020-10	10	0.2	0.10	1
CY3020-25	25	0.5	0.17	1
CY3020-50	50	1.0	0.25	1
CY3020-100	100	1.0	0.50	1
CY3020-250	250	2.0	1.0	1
CY3020-500	500	5.0	2.0	1
CY3020-1000	1000	10.0	3.0	1
CY3020-2000	2000	20.0	6.0	1

Each cylinder includes an individually serialized certificate.





## Graduated Cylinders, Glass, Class A, Batch Certified, With Stopper

Cylinders comply with ASTM E-1272, Class A standards, batch certified. With hollow glass stopper.

Double metric scale, calibrated to contain. Borosilicate glass cylinders with pour spouts feature heavy uniform wall tubing and strong, stable, hexagonal bases. All cylinders come with bumper guards.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance ( $\pm$ ml)	Quantity per pack
CY2981-10	10	0.2	0.10	1
CY2981-25	25	0.5	0.17	1
CY2981-50	50	1.0	0.25	1
CY2981-100	100	1.0	0.50	1
CY2981-250	250	2.0	1.0	1
CY2981-500	500	5.0	2.0	1
CY2981-1000	1000	10.0	3.0	1
CY2981-2000	2000	20.0	6.0	1



Each cylinder includes a batch calibration certificate.

Cylinders on this page are calibrated to contain. We also offer Class A cylinders that are calibrated to deliver. Please call for details.



## Graduated Cylinders, Glass, Class A, Individually Certified, With Stopper

Cylinders comply with ASTM E-1272, Class A, meets USP standards, individually serialized and certified. With hollow glass stopper.

Double metric scale, calibrated to contain. Borosilicate glass cylinders with pour spouts feature heavy uniform wall tubing and strong, stable, hexagonal bases. All cylinders come with bumper guards.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance ( $\pm$ ml)	Quantity per pack
CY2980-10	10	0.2	0.10	1
CY2980-25	25	0.5	0.17	1
CY2980-50	50	1.0	0.25	1
CY2980-100	100	1.0	0.50	1
CY2980-250	250	2.0	1.0	1
CY2980-500	500	5.0	2.0	1
CY2980-1000	1000	10.0	3.0	1
CY2980-2000	2000	20.0	6.0	1



Each cylinder includes an individually serialized certificate.







## Graduated Cylinders, Glass, Class B



Cylinders comply with ASTM E-1272, Class B standards.

Double metric scale, calibrated to contain. Borosilicate glass cylinders with pour spouts feature heavy uniform wall tubing and strong, stable, hexagonal bases. All cylinders come with bumper guards.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance ( $\pm$ ml)	Quantity per pack
CY3022-10	10	0.2	0.2	24
CY3022-25	25	0.5	0.34	18
CY3022-50	50	1	0.5	18
CY3022-100	100	1	1.0	12
CY3022-250	250	2	2.0	12
CY3022-500	500	5	4.0	8
CY3022-1000	1000	10	6.0	1
CY3022-2000	2000	20	12.0	1

## Graduated Cylinders, Glass, Plastic Base

Double metric scale, calibrated to contain. Borosilicate glass cylinders with pour spouts feature heavy uniform wall tubing and plastic hexagonal bases. All cylinders come with bumper guards.

Item No.	Capacity (ml)	Graduation Interval (ml)	Quantity per pack
CY137-10	10	0.2	10
CY137-25	25	0.34	10
CY137-50	50	0.50	10
CY137-100	100	1.0	10
CY137-250	250	2.0	10





## 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)	Quantity per pack
HYC500	500	50 x 300	1
HYC600	600	50 x 375	1
HYC1000	1000	65 x 425	1
HYC1200	1200	65 x 450	1



Hydrometer cylinder shown with hydrometer.



## Hydrometers

Hydrometers for determining the specific gravity of liquids. Two specific gravity ranges available. Each unit is housed in a reusable storage tube.

Item No.	Description	Specific Gravity Range
HYML01	Light Liquid Hydrometer	0.700 - 1.000
HYMH02	Heavy Liquid Hydrometer	1.000 - 2.000



HYML01



HYMH02

## Hydrometer Rack, 12-Tube, PP



Sturdy polypropylene plastic rack will hold 12 hydrometers or test tubes up to 25 mm in diameter. Easy to assemble, and chemical resistant.

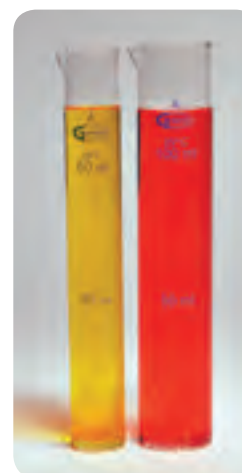
Item No.	Description
TTHP03	Plastic Test Tube/Hydrometer Rack, 12-Tube

## Nessler Cylinders, Glass, Class A, Individually Certified

Nessler cylinders are used for comparison of color and turbidity between solutions or as reaction vessels. Made from borosilicate glass and calibrated to Class A standards. Include an optically plane bottom as well as markings for nominal stroke volume and halfway mark.

See our Racks section for our offering of Nessler Cylinder Racks.

Item No.	Capacity (ml)	Volume Markings (ml)	Tolerance ( $\pm$ ml)	Quantity per pack
CGN050	50	25 and 50	0.4	10
CGN100	100	50 and 100	0.8	10





## Measuring Cylinders, Round Base, PP



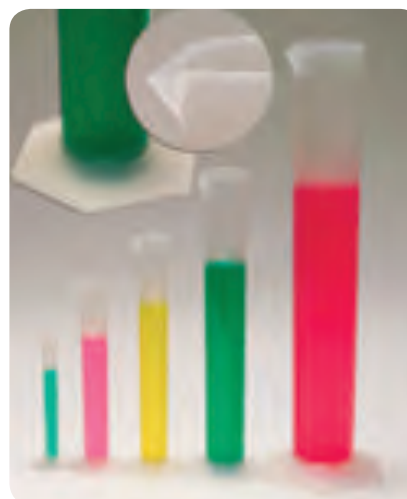
Our polypropylene one-piece measuring cylinders have raised graduations for easy readability. They are autoclavable and have excellent contact clarity. The broad round base provides good stability. Stated tolerances are the same as graduated intervals below.

Item No.	Capacity (ml)	O.D. (mm)	Height (mm)	Graduation Interval (ml)	Quantity per pack
CP0010	10	15	110	0.2	24
CP0025	25	19	170	0.5	12
CP0050	50	26	198	1	12
CP0100	100	34	210	1	12
CP0250	250	46	321	2	6
CP0500	500	56	361	5	4
CP1000	1000	72	375	10	3
CP2000	2000	90	473	20	2

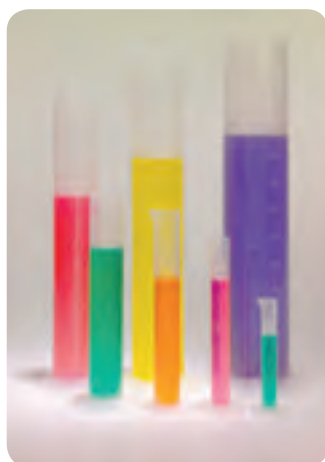
## Measuring Cylinders, Hexagonal Base, PP

Our polypropylene one-piece measuring cylinders have raised graduations for easy readability. They are autoclavable and have excellent contact clarity. The hexagonal base provides excellent stability to the cylinder, and the tapered spout enables easy pouring of reagents. Stated tolerances are the same as graduated intervals below.

Item No.	Capacity (ml)	O.D. (mm)	Height (mm)	Graduation Interval (ml)	Quantity per pack
80031	10	15	110	0.2	24
80032	25	19	170	0.5	12
80033	50	26	198	1	12
80034	100	34	210	1	12
80035	250	46	321	2	6
80036	500	56	361	5	4
80037	1000	72	375	10	3



## Measuring Cylinder Sets, PP



A convenient set of 7 graduated polypropylene cylinders in sizes 10ml, 25ml, 50ml, 100ml, 250ml, 500ml, and 1000ml.

Also available as a set of 4 in sizes 10ml, 25ml, 50ml and 100ml.

Item No.	Description
CPSET7	Plastic Graduated Cylinders, Set of 7
CPSET4	Plastic Graduated Cylinders, Set of 4



## Measuring Cylinders, Class B, PMP

Polymethylpentene cylinders have glass-like clarity and feature easy-to-read molded in graduations. Hexagonally-shaped bases for extra stability. Large spouts for smooth flow of liquids during pouring. Autoclavable to 121°C.

Meets accuracy requirements of Class B under DIN 1261.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance ( $\pm$ ml)	Height (mm)	Quantity per pack
P50401	10	0.2	0.2	138	12
P50402	25	0.5	0.5	169	12
P50403	50	1	1	198	12
P50404	100	1	1	258	6
P50405	250	2	2	314	6
P50406	500	5	5	345	3
P50407	1000	10	10	411	3
P50408	2000	20	20	482	3



## Measuring Cylinder, PMP, Class "A"



Polymethylpentene cylinders have glass-like clarity and feature easy-to-read molded in graduations. Hexagonally-shaped bases for extra stability. Large spouts for smooth flow of liquids during pouring. Autoclavable to 121°C.

Meets accuracy requirements of Class A under DIN 12681. Supplied with conformity test certificate that indicates batch number and year of production.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance ( $\pm$ ml)	Height (mm)	Quantity per pack
P50501	10	0.2	0.1	138	1
P50502	25	0.5	0.25	169	1
P50503	50	1	0.5	198	1
P50504	100	1	0.5	258	1
P50505	250	2	1	314	1
P50506	500	5	2.5	345	1
P50507	1000	10	5	411	1
P50508	2000	20	10	482	1





## Desiccators, Vacuum, White Base, PP/PC



These autoclavable desiccators are made of polypropylene (PP) and polycarbonate (PC) and can hold a vacuum up to 740mm Hg for 24 hours without any greasing. Autoclavable at 121°C for 15 minutes.

The top dome, molded in rigid and transparent PC, gives a crystal-clear view of the sample. The knurled knob on the top provides easy handling of the dome.

The lower part is made of PP and includes a perforated PP desiccator plate. An internal groove on the flange holds the silicon rubber O-ring.

The PP stopcock accepts 1/4" I.D. tubing and has a self-lubricating PTFE plug. Use the three-way plug to create a vacuum, release a vacuum, or for shut-off.

Item No.	Size	Flange OD/ID (mm)	Plate OD (mm)	Height (mm)	Maximum Clearance* (mm)	Qty per pack
55204	6" / 150mm	171/150	138	204	123	1
55205	8" / 200mm	232/199	190	257	166	1
55206	10" / 250mm	276/240	238	315	207	1
55207	12" / 300mm	340/300	295	405	255	1

\* Maximum clearance above plate.

## Desiccators, Non-Vacuum, White Base, PP/PC

These autoclavable desiccators are made of polypropylene (PP) and polycarbonate. Autoclavable at 120°C for 15 minutes.

The top dome, molded in rigid and transparent PC, gives a crystal-clear view of the sample. The knurled knob on the top provides easy handling of the dome.

The lower part is made of PP. An internal groove on the flange holds the silicon rubber O-ring. Vacuum grease should be applied on the flanges to make it air-tight.

Item No.	Size	Flange OD/ID (mm)	Plate OD (mm)	Height (mm)	Maximum Clearance* (mm)	Qty per pack
55201	6" / 150mm	171/150	138	204	123	1
55202	8" / 200mm	232/199	190	257	166	1
55203	10" / 250mm	276/240	238	315	207	1
55208	12" / 300mm	340/300	295	405	255	1

\* Maximum clearance above plate.





## Desiccators, Vacuum, Clear Base

These autoclavable desiccators are made of polypropylene (PP) and polycarbonate (PC) and can hold a vacuum up to 740mm Hg for 24 hours without any greasing. Autoclavable at 120°C for 15 minutes.

The top dome, molded in rigid and transparent PC, gives a crystal-clear view of the sample. The knurled knob on the top provides easy handling of the dome.

The transparent PC bottom provides increased viewing clarity. An internal groove on the flange holds the silicon rubber O-ring.

The PP stopcock has a self-lubricating PTFE plug. The three-way plug opens to create a vacuum, closes to hold a vacuum, and opens again to release a vacuum.



Item No.	Size	Flange OD/ID (mm)	Plate OD (mm)	Height (mm)	Maximum Clearance* (mm)	Qty per pack
55214	6" / 150mm	171/150	138	204	123	1
55215	8" / 200mm	232/199	190	257	166	1
55216	10" / 250mm	276/240	238	315	207	1
55217	12" / 300mm	340/300	295	405	255	1

\* Maximum clearance above plate.

## Porcelain Desiccator Plates with Small Holes



Plates include numerous 5mm diameter perforations. Also includes large hole in center. Glazed on one side.

Item No.	Diameter (mm)	Diameter of Holes (mm)	Diameter of Center Hole (mm)	Quantity per pack
JSD140	140	5	25	1
JSD190	190	5	25	1
JSD230	230	5	25	1

## Porcelain Desiccator Plates with Large Holes

Includes large hole in center and additional 6 to 10 holes depending on plate size. Glazed on one side.

Item No.	Diameter (mm)	Number of Holes	Diameter of Holes (mm)	Quantity per pack
JDP140	140	6	35	1
JDP190	190	8	50	1
JDP230	230	10	50	1



## Porcelain Desiccator Plates with Stand



Desiccators include three 16mm high feet. Glazed on top surface.

Item No.	Diameter (mm)	Number of Holes	Diameter of Holes (mm)	Quantity per pack
JDS095	95	3	30	1
JDS115	115	4	30	1
JDS142	142	5	30	1
JDS146	146	7	30	1
JDS190	190	7	30	1
JDS230	230	8	30	1



## Porcelain Evaporating Dishes, Round Form



Round form evaporating dishes include lip. Dishes from 35ml to 250ml capacity are glazed inside and outside. Dishes 385ml and larger are glazed inside and partially outside.

Autoclavable. Withstand temperatures to 1150° C. To prevent thermal stress cracks, we strongly recommend a heating/cooling rate not exceeding 200° C per hour. United porcelain evaporating dishes offer excellent resistance to acids and alkalis except for hydrofluoric acid.

Item No.	Capacity (ml)	Top Outside Diameter (mm)	Quantity per pack
JED035	35	60	6
JED070	70	75	6
JED080	80	80	6
JED120	120	94	6
JED150	150	100	6
JED250	250	115	6
JED385	385	145	1
JED525	525	162	1
JED765	765	185	1
JED1285	1285	215	1
JED2100	2100	265	1
JED3250	3250	305	1

## Porcelain Evaporating Dishes, Flat Form

Shallow form with lip and flat bottom. Glazed except for rim and part of outside bottom.

Autoclavable. Withstand temperatures to 1150° C. To prevent thermal stress cracks, we strongly recommend a heating/cooling rate not exceeding 200° C per hour. United porcelain evaporating dishes offer excellent resistance to acids and alkalis except for hydrofluoric acid.

Item No.	Capacity (ml)	Top Outside Diameter (mm)	Quantity per pack
JEF035	35	65	6
JEF050	50	75	6
JEF080	80	85	6
JEF100	100	100	6
JEF200	200	120	6
JEF300	300	150	6



## Porcelain Casseroles



With lip and flat porcelain handle. Glazed on inner and outer surfaces except for rim and top of handle.

Autoclavable. Withstand temperatures to 1150° C. To prevent thermal stress cracks, we strongly recommend a heating/cooling rate not exceeding 200° C per hour. United porcelain casseroles offer excellent resistance to acids and alkalis except for hydrofluoric acid.

Item No.	Capacity (ml)	Height (mm)	Top Outside Diameter (mm)	Quantity per pack
JPC020	20	22	40	1
JPC060	60	33	70	1
JPC140	140	42	85	1
JPC200	200	52	100	1
JPC500	500	75	125	1
JPC750	750	88	150	1
JPC1200	1200	98	175	1



## Petri Dishes, Polystyrene (PS)

Disposable polystyrene petri dishes offer optical clarity and strength at economical prices. 65mm dish includes a molded-in grid on the lid for easy colony counting. Sterilized.

Item No.	Dimensions (mm)	Quantity per pack	Quantity per case
K1006	65 diameter x 15 height	10	650
K1004J	90 diameter x 15 height	10	500
K1001	150 diameter x 15 height	10	180
<b>Petri Dish with Two Compartments</b>			
K1003	90 diameter x 15 height, two compartment	10	500



## Porcelain Combustion Boats

Glazed on inner and outer surfaces except for outside bottom surface.

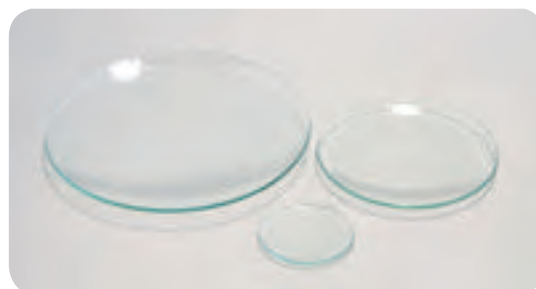


Item No.	Capacity (ml)	L x W x H (mm)	Quantity per pack
JCB017	0.1	17 x 6 x 4	1
JCB060	2.0	60 x 10 x 8	1
JCB097	7.0	97 x 16 x 10	1
JCB100	12.0	100 x 20 x 13	1

## Watch Glasses

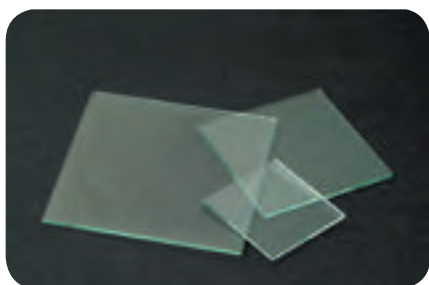
Made from clear flint glass (1.8 to 2.0 mm thick), fine ground and polished edges.

Item No.	Diameter (mm)	Quantity per pack
WGL025	25	12
WGL040	40	12
WGL050	50	12
WGL065	65	12
WGL075	75	12
WGL090	90	12
WGL100	100	12
WGL125	125	12
WGL150	150	12
WGL200	200	12
WGL250	250	12
WGL300	300	12



## Glass Plates

Plates made of clear flint glass, 2mm thick, with ground polished edges. Useful for a variety of general laboratory applications including as a cover, mixing surface, etc.



Item No.	Description	Quantity per pack
GLP2X2	Glass Plate, 2" x 2"	12
GLP3X3	Glass Plate, 3" x 3"	12
GLP4X4	Glass Plate, 4" x 4"	12
GLP5X5	Glass Plate, 5" x 5"	12
GLP6X6	Glass Plate, 6" x 6"	12
GLP8X11	Glass Plate, 8" x 11"	1





## Bottle Top Dispensers

United brand bottle top dispensers offer high accuracy at economical prices. Each dispenser is individually calibrated and certified in an ISO 17025 accredited laboratory in accordance with ISO 8655 standards.

Five adapters are included with each unit for use with a wide range of bottle sizes. All wetted parts are made from PTFE and borosilicate glass for maximum chemical resistance.

These easy-to-use instruments are suitable for all laboratory applications except HF. Special precautions must be taken for use, cleaning, and storage when working with concentrated fuming acids.

Dispensers are easy to disassemble and can be recalibrated in the lab. Fully autoclavable at 121°C, 15psi for 10 to 15 minutes.

Item No.	Volume Range (ml)	Volume Increment (ml)	Accuracy (± % / ml)	CV (± % / ml)	Bottle Size (ml)
BTDR-1	0.25 - 2.5	0.05	0.6 / 0.015	0.2 / 0.005	
BTDR-2	0.5 - 5	0.1	0.5 / 0.025	0.1 / 0.005	
BTDR-3	1 - 10	0.2	0.5 / 0.050	0.1 / 0.010	
BTDR-4	2.5 - 30	0.5	0.5 / 0.150	0.1 / 0.030	
BTDR-5	5 - 60	1.0	0.5 / 0.300	0.1 / 0.060	

### Bottle Top Dispensers with Bottles

BTDR1-SET	0.25 - 2.5	0.05	0.6 / 0.015	0.2 / 0.005	100
BTDR2-SET	0.5 - 5	0.1	0.5 / 0.025	0.1 / 0.005	100
BTDR3-SET	1 - 10	0.2	0.5 / 0.050	0.1 / 0.010	250
BTDR4-SET	2.5 - 30	0.5	0.5 / 0.150	0.1 / 0.030	500
BTDR5-SET	5 - 60	1.0	0.5 / 0.300	0.1 / 0.060	1000
BTDR6-SET	5 - 60	1.0	0.5 / 0.300	0.1 / 0.060	2000

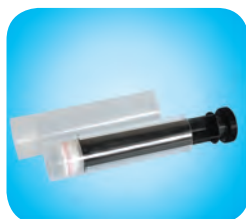


Sets with plastic narrow-mouth bottles are available upon request. Please call for details.



#### Piston:

Specially designed PTFE piston ensures smooth, effortless movement and high accuracy.



#### Glass Barrel Protection:

Polypropylene sleeve protects glass barrel and prevents glass splitting in case of any accidental breakage.



#### Adjustable Nozzle with Cap:

Delivery nozzle adjusts for easy dispensing at different angles. Cap prevents any unwanted drops on the workspace and avoids contact with chemicals.



#### Valve Manifold:

Specially designed, springless, PTFE valve manifold provides excellent chemical compatibility and leak-proof valve functioning.



#### Volume Adjustment Knob:

Quick-set volume adjustment knob with large pointer enables precise, easy, and fast volume adjustment.



#### Adapters:

A set of adapters to fit most laboratory reagent bottles are provided. Sizes are 28, 30, 32, 36, 40, and 45 mm.



#### Calibration:

Specially designed calibration tool is provided for convenient and quick in-lab user re-calibration. This is in compliance with GLO/ISO norms.

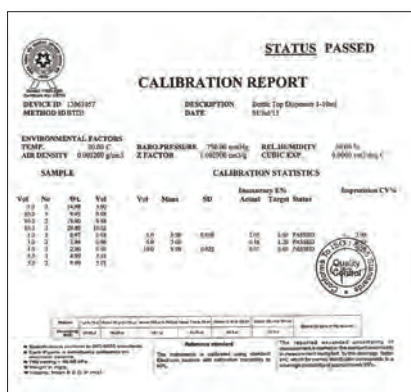




# Dispensers, Bottle Top



United bottle top dispensers are manufactured using carefully selected raw materials and go through several stages of strict quality checks during the manufacturing process.



**An Individual Calibration certificate is provided with each Bottle Top Dispenser.**

Component	Description
Piston	PTFE
Cylinder	Glass
Volume Adjustment Knob	Valve Type
Valve Housing	PTFE
Valve Assembly	Glass Ball & Seat
Discharge Assembly	PTFE
Delivery Tube	FEP
Inlet Tube	FEP
Calibration	Individually calibrated and certified. In-lab easy calibration by the user is also possible.
Accuracy and Reproducibility	In accordance with ISO 8655 standards.
Compatibility	Excellent compatibility with all reagents except HF.

## High Volume Bottle Top Dispenser

The newest product in our Bottle Top Dispenser series is designed to efficiently dispense large volumes of liquids, from 50ml to 400ml, with one stroke. Almost all of the materials are identical to our popular series of Dispensers, with the exception of a glass piston in a glass barrel.

United brand bottle top dispensers offer high accuracy at economical prices. Each dispenser is individually calibrated and certified in an ISO 17025 accredited laboratory in accordance with ISO 8655 standards.

Dispensers are easy to disassemble and can be recalibrated in the lab. Fully autoclavable at 121°C, 15psi for 10 to 15 minutes.



Item No.	Volume Range (ml)	Volume Increment (ml)	Accuracy (± % / ml)	CV (± % / ml)
BTDR-7	50 - 400	5.0	0.6 / 2.400	0.2 / 0.800



**Large Grip:**  
Specially designed grip provides convenient operation.



**Large Scale:**  
Easily visible numbers and markings facilitate quick and precise volume setting.



## Filter Paper, Circular, Grade 1



The most widely used qualitative filter paper for routine applications. Medium porosity and flow rate. 100 circles packed in a cardboard box.

Item No.	Diameter (cm)	Quantity per pack
FPR007	7	100
FPR009	9	100
FPR011	11	100
FPR125	12.5	100
FPR150	15	100
FPR180	18	100
FPR240	24	100
FPR320	32	100

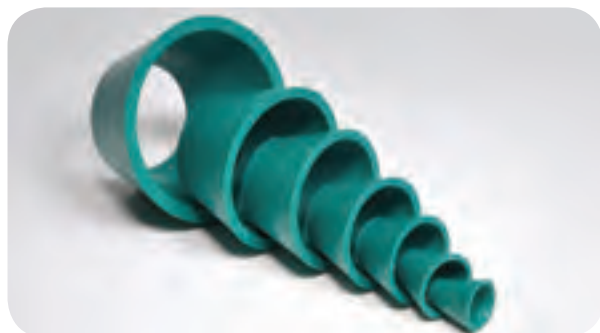
## Filter Paper, Rectangular, Grade 1

The most widely used qualitative filter paper for routine applications. Medium porosity and flow rate.

Item No.	Dimensions (inches)	Quantity per pack
FPR8X11	8.5" x 11"	100
FPR18X22	18" x 22"	100



## Filter Adapter Set, Neoprene



Set of seven neoprene adapter cones designed to fit Buchner and fritted glass funnels, porcelain filters without headpieces, and for reverse flow cleaning of filter crucibles. Adapters can be used to support funnels, Gooch crucibles, filter tubes, and other apparatus in filtration assemblies. These adapters are functional even if not tightly fitted around the funnel stem. Can be used individually or nested with adjacent sizes. Provide an excellent alternative to boring special size holes in rubber stoppers. Autoclavable.

Item No.	Description
FASN07	Filter Adapter Set of 7, Neoprene

## Rubber Filter Aid

This molded rubber filter disc is designed to support and seal in place a filter crucible or a funnel in the neck of a filter flask. Inside diameter of the socket at top is 32mm, and outside diameter of the disc is 76mm. The bottom of the disc is flat so that it seals tightly against the lip of the flask.

Item No.	Description
FLTRO1	Rubber Filter Aid



## Flask Stand, PP

For use with flasks up to 10L, this polypropylene stand is ribbed to safely hold flasks in place. Autoclavable.



Item No.	Description	Quantity per pack
45105	Flask Stand, PP	1



## Boiling Flask, Round Bottom, Ground Glass Joints, Borosilicate Glass

Boiling, round bottom flasks with ground glass joints. Our boiling flasks are made from low-expansion borosilicate glass. Feature uniform wall thickness for superior mechanical strength and shock resistance. Ideal for boiling, heating and mixing in the laboratory.



Item No.	Capacity (ml)	Approx. O.D. x Height (mm)	Joint Size	Qty per pack	Qty per case
FRB057-50	50	51 x 95	24/40	6	24
FRB057-100	100	64 x 110	24/40	6	24
FRB057-250	250	85 x 145	24/40	6	24
FRB057-500	500	105 x 178	24/40	6	24
FRB057-1000	1000	128 x 212	24/40	6	24
FRB057-2000	2000	166 x 260	24/40	1	6

## Boiling Flask, Flat Bottom, Ground Glass Joints, Borosilicate Glass



Boiling, flat bottom flasks with ground glass joints. Our boiling flasks are made from low-expansion borosilicate glass. Feature uniform wall thickness for superior mechanical strength and shock resistance. Ideal for boiling, heating and mixing in the laboratory.

Item No.	Capacity (ml)	Approx. O.D. x Height (mm)	Joint Size	Qty per pack	Qty per case
FFB058-50	50	51 x 95	24/40	6	24
FFB058-100	100	64 x 110	24/40	6	24
FFB058-250	250	85 x 145	24/40	6	24
FFB058-500	500	105 x 178	24/40	6	24
FFB058-1000	1000	128 x 212	24/40	6	24
FFB058-2000	2000	166 x 260	24/40	1	6

## Boiling Flask, Round Bottom, Borosilicate Glass

Our boiling flasks are made from low-expansion borosilicate glass. Feature uniform wall thickness for superior mechanical strength and shock resistance. Ideal for boiling, heating and mixing in the laboratory.



Item No.	Capacity (ml)	Approx. O.D. x Height (mm)	Quantity per pack	Quantity per case
FG4260-25	25	42 x 90	6	24
FG4260-50	50	51 x 95	6	24
FG4260-100	100	64 x 110	6	24
FG4260-250	250	85 x 145	6	24
FG4260-500	500	105 x 178	6	24
FG4260-1000	1000	128 x 212	6	24
FG4260-2000	2000	166 x 260	1	6
FG4260-3000	3000	185 x 310	1	6

Also available in 5, 6, 10 and 20 L capacities. Call for details.

## Boiling Flask, Flat Bottom, Borosilicate Glass



Our boiling flasks are made from low-expansion borosilicate glass. Feature uniform wall thickness for superior mechanical strength and shock resistance. Ideal for boiling, heating and mixing in the laboratory.

Item No.	Capacity (ml)	Approx. O.D. x Height (mm)	Quantity per pack	Quantity per case
FG4060-25	25	42 x 90	6	24
FG4060-50	50	51 x 90	6	24
FG4060-100	100	64 x 105	6	24
FG4060-250	250	85 x 140	6	24
FG4060-500	500	105 x 170	6	24
FG4060-1000	1000	133 x 200	1	6
FG4060-2000	2000	167 x 250	1	6
FG4060-3000	3000	186 x 300	1	1

Also available in 5, 6, 10 and 20 L capacities. Call for details.





## Erlenmeyer Flask, Narrow Mouth, Borosilicate Glass



Borosilicate glass flasks are designed to give the best combination of thermal shock resistance and physical strength. Feature heavy-duty rims and graduations in durable white enamel.

Item No.	Capacity (ml)	Graduation Range (ml)	Graduation Interval (ml)	Qty per pack	Qty per case
FG4980-10*	10	NA	NA	12	36
FG4980-25	25	10 - 25	5	12	48
FG4980-50	50	20 - 50	10	12	48
FG4980-100	100	50 - 100	25	12	48
FG4980-125	125	50 - 125	25	12	48
FG4980-150	150	75 - 150	25	6	24
FG4980-250	250	50 - 200	25	12	48
FG4980-500	500	100 - 500	50	6	36
FG4980-1000	1000	250 - 1000	50	6	24
FG4980-2000	2000	600 - 2000	200	1	8
FG4980-3000	3000	1000 - 3000	500	1	1
FG4980-5000	5000	1500 - 5000	500	1	1

\* Note: 10 ml flask is not graduated.

## Erlenmeyer Flask, Wide Mouth, Borosilicate Glass

Wide-mouth flasks are ideal for titrations and culture work. Borosilicate glass flasks are designed to give the best combination of thermal shock resistance and physical strength. Feature heavy-duty rims and graduations in durable white enamel.

Item No.	Capacity (ml)	Approx. O.D. x Height (mm)	Quantity per pack	Quantity per case
FG5100-100	100	70 x 110	12	48
FG5100-125	125	69 x 117	12	48
FG5100-250	250	84 x 138	12	48
FG5100-500	500	105 x 186	6	36
FG5100-1000	1000	131 x 222	6	24



## Erlenmeyer Flask, with Screw Cap, Borosilicate Glass



Recommended for culturing, mixing and storing applications. Borosilicate glass flasks are designed to give the best combination of thermal shock resistance and physical strength. Feature heavy-duty rims and graduations in durable white enamel. Blue caps with liner are autoclavable.

Item No.	Capacity (ml)	Approx. O.D. x Height (mm)	Quantity per pack	Quantity per case
FG5021-100	100	64 x 110	6	24
FG5021-150	150	72 x 125	6	24
FG5021-250	250	85 x 145	6	24
FG5021-500	500	104 x 180	6	24
FG5021-1000	1000	131 x 225	1	4



## Erlenmeyer Flask Set, Borosilicate Glass

A convenient set of 5 of our FG4980 series borosilicate glass Erlenmeyer Flasks. Set consists of one each of 50ml, 125ml, 250ml, 500ml, and 1000ml Flasks.

Borosilicate glass flasks are designed to give the best combination of thermal shock resistance and physical strength. Feature heavy-duty rims and graduations in durable white enamel.

Item No.	Description
FGSET5	Glass Erlenmeyer Flasks, Set of 5



## Wide-Mouth Erlenmeyer Flask, PP



Wide-mouth polypropylene flasks are autoclavable and include a screw cap for easy mixing and storage of solutions. Flasks are graduated to show approximate volumes.

Item No.	Capacity (ml)	Graduation Interval (ml)	Quantity per pack
FP0125	125	25	12
FP0250	250	50	12
FP0500	500	50	12

## 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)	Approx. O.D. x Height (mm)	Quantity per pack	Quantity per case
FG5340-50	50	52 x 85	6	24
FG5340-100	100	64 x 108	6	24
FG5340-250	250	86 x 160	1	18
FG5340-500	500	108 x 190	1	18
FG5340-1000	1000	138 x 245	1	12
FG5340-2000	2000	170 x 305	1	12
FG5340-5000	5000	237 x 390	1	1



## Flask Tongs, Stainless Steel



Stainless steel flask tongs are 12" long with riveted joints. Heavy duty construction safely accommodates flasks up to 5000ml. Silicone-coated jaws grip flasks firmly and open to 6".

Item No.	Description
FTSS04	Flask Tongs, Stainless Steel, 12"



## Volumetric Flask, Class A, with Glass Stopper, Batch Certified



Durable, machine-blown body. Heavy beaded tubing neck. Flasks feature a sharp graduation line and large white block letters. A ground glass stopper is included. Meets Class A specifications per ASTM E-288. Batch certified.

Item No.	Capacity (ml)	Tolerance ( $\pm$ ml)	Stopper Size	Quantity per pack
FG5640-5	5	0.02	9	1
FG5640-10	10	0.02	9	1
FG5640-20	20	0.03	9	1
FG5640-25	25	0.03	9	1
FG5640-50	50	0.05	9	1
FG5640-100	100	0.08	13	1
FG5640-200	200	0.10	16	1
FG5640-250	250	0.12	16	1
FG5640-500	500	0.20	19	1
FG5640-1000	1000	0.30	22	1
FG5640-2000	2000	0.50	27	1

## Volumetric Flask, Class A, with Glass Stopper, Individually Certified

Durable, machine-blown body. Heavy beaded tubing neck. Flasks feature a sharp graduation line and large white block letters. A ground glass stopper is included. Meets Class A specifications per ASTM E-288. Individually serialized and certified.

Item No.	Capacity (ml)	Tolerance ( $\pm$ ml)	Stopper Size	Quantity per pack
FG5639-5	5	0.02	9	1
FG5639-10	10	0.02	9	1
FG5639-20	20	0.03	9	1
FG5639-25	25	0.03	9	1
FG5639-50	50	0.05	9	1
FG5639-100	100	0.08	13	1
FG5639-200	200	0.10	16	1
FG5639-250	250	0.12	16	1
FG5639-500	500	0.20	19	1
FG5639-1000	1000	0.30	22	1
FG5639-2000	2000	0.50	27	1



## Volumetric Flask, Class A, with Snap Cap, Batch Certified



Durable, machine-blown body. Heavy beaded tubing neck. Flasks feature a sharp graduation line and large white block letters. A plastic snap cap is included. Meets Class A specifications per ASTM E-288. Batch certified.

Item No.	Capacity (ml)	Tolerance ( $\pm$ ml)	Plastic Cap Number	Quantity per pack
FG5580-50	50	0.05	3	1
FG5580-100	100	0.08	4	1
FG5580-200	200	0.10	5	1
FG5580-250	250	0.12	5	1
FG5580-500	500	0.20	5	1
FG5580-1000	1000	0.30	6	1
FG5580-2000	2000	0.50	8	1



## Volumetric Flask, Class B, with Glass Stopper

Durable, machine-blown body. Heavy beaded tubing neck. Flasks feature a sharp graduation line and large white block letters. A ground glass stopper is included.

Item No.	Capacity (ml)	Tolerance ( $\pm$ ml)	Stopper Size	Quantity per pack
FG5641-5	5	0.04	9	12
FG5641-10	10	0.04	9	12
FG5641-25	25	0.06	9	12
FG5641-50	50	0.10	9	12
FG5641-100	100	0.16	13	12
FG5641-200	200	0.20	16	12
FG5641-250	250	0.24	16	12
FG5641-500	500	0.40	19	12
FG5641-1000	1000	0.60	22	6
FG5641-2000	2000	1.00	27	4



## Volumetric Flask, Class B, with Snap Cap

Durable, machine-blown body. Heavy beaded tubing neck. Flasks feature a sharp graduation line and large white block letters. A plastic snap cap is included.



Item No.	Capacity (ml)	Tolerance ( $\pm$ ml)	Plastic Cap Number	Quantity per pack
FG5581-50	50	0.10	3	12
FG5581-100	100	0.16	4	12
FG5581-250	250	0.24	5	12
FG5581-500	500	0.40	5	12
FG5581-1000	1000	0.60	6	6
FG5581-2000	2000	1.0	8	4

## Distilling Flask, Borosilicate Glass

Our distilling flasks are made from low-expansion borosilicate glass. Uniform wall thickness provides superior mechanical strength and shock resistance. Long side arm is ideal for distillation applications. Feature large white block letters for easy identification of capacity.

Item No.	Capacity (ml)	Quantity per pack
FG4620-100	100	12
FG4620-125	125	12
FG4620-250	250	12
FG4620-500	500	6
FG4620-1000	1000	6
FG4620-2000	2000	4







## Stainless Steel Forceps



Good quality stainless steel forceps for general use in the laboratory. All feature serrated tips. Non-sterile, autoclavable.

Item No.	Description
FRSS14	Stainless Steel Forceps, Blunt, 5"
FOBL05	Stainless Steel Forceps, Economy Blunt, 5"
FOBLC5	Stainless Steel Forceps, Angular Blunt, 5"
FOMF05	Stainless Steel Forceps, Sharp, 5"
FOBL45	Stainless Steel Forceps, Economy Blunt, 4.5"

## Plastic Forceps, PP



These 4.5" long polypropylene forceps feature serrated inside tips and ribbed finger supports. Non-sterile, autoclavable.

Item No.	Description
FOBPP5	Plastic Forceps, 4.5"

## Plastic Tweezers, PP

These polypropylene tweezers are 10cm in length and feature serrated tips. Non-sterile, autoclavable. Sold as a pack of 12.

Item No.	Description
P1012-1	Plastic Tweezers, pk/12



## Slide Holding Forceps



Made of plated steel wire for careful and tight handling of cover glasses and slides.

Item No.	Description
SFK001	Slide Holding Forceps



## Funnels, Standard Stem, PP

These clear funnels have long stems, smooth walls and external ribs to prevent air lock. Molded in polypropylene. Autoclavable.

Item No.	Capacity (ml)	Top Outside Diameter (mm)	Stem Length (mm)	Quantity per pack
FSP55	20	57	40	12
FSP65	45	67	65	12
FSP75	75	79	70	12
FSP10	150	101	85	6
FSP150	500	150	110	6



## Funnels, Short Stem, Plastic



These powder funnels feature wide, short stems. The 35 ml and 300 ml sizes are made of high density polyethylene, and the 100 ml size is made of polypropylene.

Item No.	Capacity (ml)	Top Outside Diameter (mm)	Stem Length (mm)	Quantity per pack
FHD165	35	65	20	12
FHD185	100	85	30	12
FHD125	300	125	38	12

## Funnels, Utility, PP

Available in three sizes, these funnels have eight internal ribs to facilitate filtration. They are made of polypropylene.

Item No.	Capacity (ml)	Top Outside Diameter (mm)	Stem Length (mm)	Quantity per pack
FPPC35	5	37	30	12
FPPC52	25	56	30	12
FPPC65	40	67	30	12
FPPC03-PK/3	One each of the above 3 funnels.			



## Funnel, Powder, PP



Polypropylene funnels have short, wide stems for convenient use with powders. Autoclavable.

Item No.	Capacity (oz.)	Overall Height (mm)	Top Inside Diameter (mm)	Stem Length (mm)	Quantity per pack
57221	2	65	65	22	12
57222	3	85	78	30	12
57223	5	105	100	33	6
57224	16	135	145	30	6



## Funnel, Industrial, PP



Heavy-duty polypropylene funnels include a molded-in handle. Designed to provide convenient filling of carboys, drums and barrels.

Item No.	Capacity (oz.)	Overall Height (mm)	Top Inside Diameter (mm)	Stem Length (mm)	Quantity per pack
57231	48	240	195	85	1
57232	84	300	245	90	1

## Funnels, Glass, Long Stem

These borosilicate glass funnels include 60° cone angle, beaded tops, and long stems.

Item No.	Approx. Top Dia. (mm)	Stem Length (mm)	Overall Length (mm)	Quantity per pack	Quantity per case
GF6140-50	50	150	195	6	12
GF6140-65	65	150	205	6	12
GF6140-75	75	150	215	6	12
GF6140-100	100	150	235	6	6



## Funnels, Buchner, PP



These polypropylene 2-piece funnels are light-weight, easy to clean and autoclavable. The top portion snaps into the lower one, forming a vacuum seal that does not require greasing. The base of the top portion has a perforated filter plate.

Item No.	Capacity (ml)	Top O.D. (mm)	Stem Length (mm)	Filter Paper Size (cm)	Quantity per pack
57105	125	80	60	7	12
57105-A	300	104	70	9	12
57106	650	136	85	11	12



## Hirsch Funnels, Porcelain

Porcelain funnels feature fixed perforated plates. Glazed on inner and outer surfaces except for the rim.

Item No.	Approx. Capacity (ml)	Top Dia. x Height (mm)	For Filter Paper Dia. (mm)	Quantity per pack
JHF010	10	30 x 50	10	1
JHF012	12	40 x 70	15	1
JHF025	25	50 x 75	30	1
JHF050	50	75 x 130	47	1
JHF140	140	100 x 175	55	1



## Buchner Funnels, Porcelain

Porcelain Buchner funnels include fixed perforated plates. Funnels are glazed on inner and outer surfaces except for the rims.



Item No.	Approx. Capacity (ml)	Top Dia. x Height (mm)	For Filter Paper Size (cm)	Quantity per pack
JBFO03	3	20 x 66	1.3	1
JBFO35	35	50 x 91	4	1
JBF100	100	65 x 103	5.5	1
JBF200	200	86 x 140	7	1
JBF350	350	105 x 162	9	1
JBF600	600	127 x 194	11	1
JBF800	800	143 x 200	12.5	1
JBF1150	1150	172 x 220	15	1
JBF2000	2000	210 x 272	18	1
JBF4800	4800	270 x 352	24	1

## Funnel Holder, Single, PP

This corrosion-resistant polypropylene holder can be used with 3" to 6" diameter funnels, and includes an extra plate to accommodate 1" to 3" diameter funnels. Two tapered wedges are provided to ensure firm grip on rods measuring 1/2" or 3/8" diameter.

Item No.	Description	Quantity per pack
45103	Funnel Holder, Single, PP	12



## Funnel Holder, Double, PP

Suspend two funnels simultaneously using this polypropylene holder. These corrosion-resistant holders can be used with 3" to 6" diameter funnels, and include an extra plate to accommodate 1" to 3" diameter funnels. Two tapered wedges are provided to ensure firm grip on rods measuring 1/2" or 3/8" diameter.



Item No.	Description	Quantity per pack
45106	Funnel Holder, Double, PP	6



## Funnels, Separatory, PP



These pear-shaped polypropylene separating funnels feature excellent clarity and strength, and include a leak-proof threaded screw cap. The polypropylene stopcock is fitted with a self-lubricating PTFE plug. Not graduated.

Item No.	Capacity (ml)	Top Outside Diameter (mm)	Stem Length (mm)	Quantity per pack
81201	100	55	45	1
81202	250	75	45	1
81203	500	90	45	1

## Separatory Funnel, Glass

These pear-shaped borosilicate glass funnels include a PTFE stopcock and a plastic stopper. Feature a marking spot and large white block letters for easy identification of capacity, as per ASTM E-1096. PTFE stopcocks are compliant with ASTM standard E-675.

Item No.	Capacity (ml)	Stopper Size	Quantity per pack	Quantity per case
SF149-125	125	22	2	20
SF149-250	250	22	2	20
SF149-500	500	27	2	20
SF149-1000	1000	27	1	10
SF149-2000	2000	38	1	10



## Separatory Funnel Holder, PP



This non-corrosive separatory funnel holder, molded in polypropylene, has a front opening which provides clear view of the solution and allows unobstructed placement of separating funnels. Two tapered wedges are provided to ensure firm grip on rods measuring 1/2" or 3/8" diameter.

Item No.	Description	Quantity per pack
45104	Separatory Funnel Holder	12





## Digital Hot Plate / Magnetic Stirrer

This Digital Hot Plate, with magnetic stirrer, features a scratch and chemical resistant ceramic coated heating plate. Designed with double PT sensors, this hotplate also features a digital temperature controller, RPM controller, and time controller, all of which have independent LED displays. The following accessories are included: boss head clamp, stainless steel rod, magnetic stirring bar, and PT100 sensor probe. The technical specifications are listed below:

- Speed range of 50 to 1500 RPM
- Maximum Stir Bar length of 80mm
- Heat output of 450 W
- 0-350° Celsius temperature range
- Frequency of 60 Hz
- Voltage, 115 V
- Master selector knob for temperature, stir speed and time settings
- Adjustable safety cutoff range of 50-400° Celsius
- Designed for use with beakers/flasks up to 3000ml in capacity



Item No.	Description
HPLATE-D	Digital Hot Plate / Magnetic Stirrer

## Analog Hot Plate / Magnetic Stirrer



This Analog Hot Plate/Magnetic Stirrer features a stainless steel heating plate. Designed with double PT sensors, it also features a hot top indicator for safety along with an adjustable safety cut off. The technical specifications are listed below:

- Speed range of 50 to 1700 RPM
- Maximum Stir Bar length of 80mm
- Heat output of 450 W
- 0-350° Celsius temperature range
- Frequency of 60 Hz
- Voltage, 115 V
- Separate knobs for controlling stir speed and heat level
- Designed for use with beakers/flasks up to 3000ml in capacity

Item No.	Description
HPLATE-A	Analog Hot Plate / Magnetic Stirrer

## Magnetic Stir Bars

Our Magnetic Stir Bars are constructed of high quality magnets coated with PTFE. Along with individual sizes of polygon, octagon, and egg-shaped, two convenient assortments are available. Stir Bar retrievers also available.

Item No.	Description	Dimension (Length x Diameter)
MSB15	Stir Bar, Octagon, with pivot ring	15mm x 7.5mm
MSB25	Stir Bar, Octagon, with pivot ring	25mm x 8mm
MSB35	Stir Bar, Octagon, with pivot ring	35mm x 9mm
MSB40	Stir Bar, Octagon, with pivot ring	40mm x 8mm
MSB48	Stir Bar, Octagon, with pivot ring	48.5mm x 10mm
MSZ12	Stir Bar, Polygon, without pivot ring	12mm x 3mm
MSZ25	Stir Bar, Polygon, without pivot ring	25mm x 8mm
MSZ40	Stir Bar, Polygon, without pivot ring	40mm x 8mm
MSZ70	Stir Bar, Polygon, without pivot ring	70mm x 9mm
MShL15	Stir Bar, Egg-shaped, blunt edges	15mm x 7mm
MShL30	Stir Bar, Egg-shaped, blunt edges	30mm x 13mm
MShL50	Stir Bar, Egg-shaped, blunt edges	50mm x 20mm



Item No.	Description
MSBA20	Magnetic Stir Bar Assortment, set of 20 (2 each of all MSB series bars, plus 2 each of MSZ12, MSZ70, MShL15, MShL30 and MShL50)
MSBA50	Magnetic Stir Bar Assortment, set of 50 (5 each of all MSB series bars, plus 5 each of MSZ12, MSZ70, MShL15, MShL30 and MShL50)

Item No.	Description
MBR350	Magnetic Stir Bar Retriever, 350mm long



## Organic Chemistry Glassware Kit, 9 pieces



Parts also available individually - call for details.

This starter set is designed for organic chemistry labs and is suitable for preparations up to 30g. All glassware is jointed (joint sizes available upon request). Includes a sturdy storage box with foam insert.

### Contents:

Pear-Shaped Flask (50ml) . . . . .	1	Air Leak / Steam Inlet Tube . . . . .	1
Still Head . . . . .	1	Dropping Funnel (50 ml with Rotoflo Tap) . . . . .	1
Liebig Condenser . . . . .	1	Stopper . . . . .	1
Screw Cap Adapter . . . . .	1	Thermometer . . . . .	1
Receiver Adapter . . . . .	1		

Item No.	Description
ORGKIT-09	Organic Chemistry Glassware Kit, 9 pieces

## Organic Chemistry Glassware Kit, 16 pieces



Parts also available individually - call for details.

This deluxe set is designed for organic chemistry labs and is suitable for preparations up to 150g. All glassware is jointed (joint sizes available upon request). Includes a sturdy storage box with foam insert.

### Contents:

Still Head . . . . .	1	Round Bottom Flask (50ml) . . . . .	1
Receiver . . . . .	1	Round Bottom Flask (100ml) . . . . .	1
Air Leak / Steam Inlet Tube . . . . .	1	Round Bottom Flask (250ml) . . . . .	1
Liebig Condenser . . . . .	1	Erlenmeyer Flask (250ml) . . . . .	1
Dropping Funnel (100ml) . . . . .	1	Stopper . . . . .	3
Reducing Adapter . . . . .	1	Thermometer Pocket . . . . .	1
Multiple Adapter . . . . .	1	Receiver Adapter . . . . .	1

Item No.	Description
ORGKIT-16	Deluxe Organic Chemistry Glassware Kit, 16 pieces



## Distillation Apparatus

This complete set features high quality borosilicate glass parts and all hardware necessary for simple distillation experiments. Includes instruction manual.

**Contents:**

- 500ml Filtering Flask
- 500ml Round Bottom Flask with Side Tube
- 300mm Graham Condenser
- 250ml Erlenmeyer Flask
- Glass Stopper
- Support Stand (6"X9") with 24" Rod
- Swivel Burette Clamp
- Extension Clamp
- Clamp Holder
- Instruction Manual



Item No.	Description
DSA001	Distillation Apparatus

## Filtering Kit

An excellent, faster working, alternative to traditional gravity based liquid filtration. The included Hand Vacuum Pump is also available separately.

**Contents:**

- 500ml Filtering Flask
- 90mm porcelain Buchner Funnel
- Hand Vacuum Pump with Gauge
- Pack of 90mm Filter Papers (pk/100)
- Rubber Stopper
- Vacuum Hose
- Instruction Manual



Item No.	Description
FLTKIT	Filtering Kit
HVP001	Hand Vacuum Pump only

## Glassware Assortment

Quality glassware assortment for use in a laboratory. Shipped in a reusable storage box. Kit includes the following items:

**Contents:**

- |   |  |
|---|--|
| Beaker, Glass, 100ml. . . . . 2         | Mortar and Pestle, Porcelain . . . . . 1 |
| Beaker, Glass, 250ml. . . . . 1         | Cylinder, Glass, 10ml. . . . . 1         |
| Beaker, Glass, 400ml. . . . . 1         | Cylinder, Glass, 25ml. . . . . 1         |
| Bottles, 4 oz. w/ Screw Caps . . . . 2  | Cylinder, Glass, 50ml. . . . . 1         |
| Burets, 50ml, Mohr . . . . . 2          | Cylinder, Glass, 100ml. . . . . 1        |
| Crucible, Porcelain. . . . . 1          | Test Tubes, 13 x 100mm. . . . . 6        |
| Crucible Cover, Porcelain . . . . . 1   | Test Tubes, 18 x 150mm. . . . . 6        |
| Dropper, Pipet (Eye Dropper) . . . . 1  | Test Tubes, 25 x 200mm. . . . . 6        |
| Dropping Bottle, 30ml, Barnes. . . . 12 | Glass Capillary Tubing . . . . . 4       |
| Evaporating Dish, Porcelain . . . . . 1 | Flask, Erlenmeyer, 250ml . . . . . 1     |
| Funnel, Short Stem, 75mm . . . . . 1    | Glass Rod, 8 inch . . . . . 1            |
| Watch Glass, 75mm . . . . . 1           | Petri Dish, 100mm . . . . . 2            |
|   | <b>Total Pieces . . . . . 57</b>         |



Item No.	Description
GLSKIT1	Glassware Assortment



## General Lab Glassware Starter Kit



A convenient glassware assortment designed for general laboratory use. Starter kit includes the following:

**Contents:**

Beaker, Glass, Set of 5 . . . . .	1
Beaker Tongs, 9" . . . . .	1
Erlenmeyer Flasks, Set of 5 . . . . .	1
Cylinder, 10ml, Hex Base . . . . .	1
Cylinder, 25ml, Hex Base . . . . .	1
Cylinder, 100ml, Hex Base . . . . .	1
Media Bottle, 100ml . . . . .	1
Media Bottle, 500ml . . . . .	1
Test Tube Rack (blue/yellow) with 12 Test Tubes (TT9800-F) and 12 Rubber Stoppers (RST1-S) . . . . .	1
Test Tube Clamp, Steel Wire, with Grips . . . . .	1
Glass Rod, 8", pk/12 . . . . .	1
Dropping Bottle, 30ml, Barnes, with Dropper Pipets. . . . .	12

Item No.	Description
GLSKIT3	General Lab Glassware Starter Kit

## Volumetric Glassware Starter Kit

A customized volumetric glassware assortment designed for general laboratory use. Starter kit includes the following:

**Contents:**

Burettes, 50ml Straight Bore, PTFE Stopcock . . . . .	1
Cylinders, Double Scale, 50ml . . . . .	1
Cylinders, Double Scale, 100ml . . . . .	1
Flask, Filtering, 500ml . . . . .	1
Flask, Volumetric with Snap Cap, 50ml . . . . .	1
Flask, Volumetric with Snap Cap, 100ml . . . . .	1
Separatory Funnel, Conical, 500ml . . . . .	1
Pipettes, Measuring (Mohr Type), Class B, 10ml Capacity x .10ml Graduations, pk/6 . . . . .	1
Pipettes, Transfer, Volumetric, 25ml, pk/6 . . . . .	1



Item No.	Description
GLSKIT4	Volumetric Glassware Starter Kit

## Porcelainware Starter Kit



A customized kit that includes our top-selling porcelain products. Starter kit includes the following:

**Contents:**

Crucible, Porcelain, Low Form, 50ml capacity (JCL050) . . . . .	1
Crucible, Porcelain, High Form, 50ml capacity (JCT050) . . . . .	1
Casserole, Porcelain, 200ml capacity (JPC200) . . . . .	1
Mortar and Pestle, 275ml capacity (JMD275) . . . . .	1
Evaporating Dish, 80ml capacity (JED080) . . . . .	1
Clay Pipe Triangle, 2" (CPT020) . . . . .	1
Crucible Tongs, Nickel Plated, Steel, 9" (CTSP09) . . . . .	1

Item No.	Description
PORTKIT2	Porcelainware Starter Kit





## Plasticware Starter Kit

A customized plasticware assortment that is designed for general laboratory use. Starter kit includes the following:

- Contents:**
- Beaker Set of 5 (50, 100, 250, 500 & 1000ml) . . . . . 1
  - Graduated Cylinder Set of 4 (10, 25, 50 & 100ml) . . . . . 1
  - Wash Bottle, 250ml . . . . . 1
  - Wash Bottle, 500ml . . . . . 1
  - Reagent Bottle, PP, Narrow Mouth, 250ml . . . . . 1
  - Reagent Bottle, PP, Narrow Mouth, 500ml . . . . . 1
  - Reagent Bottle, PP, Widemouth, 250ml . . . . . 1
  - Reagent Bottle, PP, Widemouth, 500ml . . . . . 1
  - Measuring Jug, 500ml . . . . . 1
  - Measuring Jug, 1000ml . . . . . 1



Item No.	Description
PLSKIT1	Plasticware Starter Kit

## Chemistry Labware Kit



A convenient assortment of items most commonly used in a general Chemistry lab. Starter kit includes the following:

- Contents:**
- Dropping Bottle, 30ml, Barnes . . . . . 2
  - Dropping Pipettes, Plastic . . . . . 6
  - Beaker, Glass, 50ml . . . . . 1
  - Beaker, Glass, 100ml . . . . . 1
  - Beaker, Glass, 250ml . . . . . 1
  - Evaporating Dish, Porcelain, 70mm dia. . . . . 1
  - Stirring Rods, Glass, 8" . . . . . 6
  - Erlenmeyer Flask, Glass, 125ml . . . . . 1
  - Erlenmeyer Flask, Glass, 250ml . . . . . 1
  - Test Tubes, Glass, 18 x 150mm . . . . . 6
  - Cylinder, Plastic (PP), 10ml . . . . . 1
  - Cylinder, Plastic (PP), 50ml . . . . . 1
  - Cylinder, Plastic (PP), 100ml . . . . . 1
  - Forceps, stainless, 5" long . . . . . 1
  - Crucible tongs, steel, 9" long . . . . . 1
  - Funnel, Glass, long stem, 90mm dia . . . . . 1
  - Funnel, Plastic, 75mm dia . . . . . 1
  - Test Tube Clamp, brass, with finger grips . . . . . 1
  - Wire Gauze, 5" x 5", with ceramic center . . . . . 1
  - Crucible, Porcelain, 25ml with lid . . . . . 1
  - Watch Glass, 75mm dia. . . . . 1
  - Plastic Scoop . . . . . 1
  - Spatula, stainless, 3" long blade with wooden handle . . . . . 1
  - Rubber Stoppers, solid . . . . . 3
  - Rubber Stoppers, one-hole . . . . . 3
  - Rubber Stoppers, two-hole . . . . . 3
  - Total pieces . . . . . 48**

Item No.	Description
HRDKIT3	Chemistry Labware Kit

## Chemistry Hardware Assortment

An assortment of hardware most often used in general chemistry labs. Starter kit includes the following:

- Contents:**
- Beaker Tongs . . . . . 1
  - Burette Clamp . . . . . 1
  - Burner Tripod, 3" ring, 9" legs . . . . . 1
  - Mohr's Pinchcock Clamp . . . . . 1
  - Clamp Holder, Right Angle . . . . . 1
  - Clay Pipe Triangle, 2" . . . . . 1
  - Crucible Tongs, Nickel-plated Steel, 9" . . . . . 1
  - Ring Support with Clamp, 4" . . . . . 1
  - Support Stand with Rod, 5" x 8" / 24" rod . . . . . 1
  - Test Tube Rack, Plastic, holds 6 tubes . . . . . 1
  - Test Tube Clamp . . . . . 1
  - Wire Gauze with Ceramic Center, 5" x 5" . . . . . 1



Item No.	Description
HRDKIT2-C	Chemistry Hardware Assortment





## Laboratory Coats

Knee-length lab coats made of easy care white cotton blend fabric (65% polyester, 35% cotton). Our coats feature one upper left breast pocket, two roomy lower pockets, side pocket slit openings, and a sewn-down back belt.

Item No.	Description
<b>MEN:</b>	
LCMXS1	Men's Lab Coat, Extra Small, size 34
LCMS01	Men's Lab Coat, Small, size 36
LCMM01	Men's Lab Coat, Medium, size 40
LCML01	Men's Lab Coat, Large, size 44
LCMXL1	Men's Lab Coat, Extra Large, size 48
LCMXXL1	Men's Lab Coat, Double Extra Large, size 50
LCM3XL1	Men's Lab Coat, Triple Extra Large, size 52
<b>WOMEN:</b>	
LCLS01	Women's Lab Coat, Small, size 36
LCLM01	Women's Lab Coat, Medium, size 40
LCLL01	Women's Lab Coat, Large, size 42

## Tie-dyed Laboratory Coats

Featuring a vibrant tie-dyed pattern, these knee length coats are made of easy care 100% cotton. Coats feature one upper left breast pocket, two roomy lower pockets, side slit openings, and a sewn-down back belt.

Item No.	Description
LBCTSM	Tie-dyed Lab Coat, Small
LBCTMD	Tie-dyed Lab Coat, Medium
LBCTLG	Tie-dyed Lab Coat, Large
LBCTXL	Tie-dyed Lab Coat, Extra Large
LBCT2XL	Tie-dyed Lab Coat, Double Extra Large



## Laboratory Aprons

These aprons are made of a chemical resistant PVC-coated fabric which stays flexible. There is reinforcement at the points of strain. Aprons include cloth ties at the neck and waist.



Item No.	Description
LBAP01	Lab Apron, 36" x 27"
LBAP02	Lab Apron, 42" x 27"
LBAP03	Lab Apron, 42" x 36"
LBAP04	Lab Apron, 46" x 36"



## Plastic Tripod Magnifier

10x magnification lens in plastic threaded holder on tripod base.

Item No.	Description
TRP10X	Plastic Tripod Magnifier



## Brass Tripod Magnifier

10x magnification lens in brass holder on brass base.



Item No.	Description
TRPBR1	Brass Tripod Magnifier

## Giant Folding Magnifier

This magnifier offers an extra-large field of view, hands-free use, and folds down to a compact size for storage. The 10cm lens provides 6x magnification.

Item No.	Description
MGFL6X	Giant Folding Magnifier



## Folding Magnifiers

Sturdy plastic frames with 38mm (1.5") diameter lenses. These versatile magnifiers can magnify objects up to 15x.



Item No.	Description
MPS038	Single Folding Magnifier, 5x
MPD038	Double Folding Magnifier, 10x
MPT038	Triple Folding Magnifier, 15x

## Pocket Loupe

Compact pocket loupe, in a sturdy folding metal case. 10x magnification.

Item No.	Description
MFC010	Magnifier, Pocket Loupe, 10x





## Precision Measuring Set



This measuring set contains four high quality instruments housed in a sturdy plastic storage case. Includes instructions.

**Contents:**

- Micrometer Caliper, 0 - 25mm x 0.01 mm .....1
- Knife Edge Square, 90°, 100mm x 70mm .....1
- Vernier Caliper, 150mm x 0.02mm .....1
- Ruler, Steel, 15cm x 0.5mm. ....1

Item No.	Description
PMSET04	Precision Measuring Set

## Dial Vernier Calipers

This precision measuring tool is made of hardened steel for long-term durability. It has a range of 150mm and a large, easy-to-read dial with a resolution of 0.02mm. A storage case and instructions are included.

Item No.	Description
VCDT06	Dial Vernier Calipers



## Digital Vernier Calipers



This advanced measuring tool is accurate to 0.001"/ 0.01mm and measures in both metric and English units. Range is 6"/150mm. It has a bright LCD display and easy access push buttons. A durable plastic storage case with instructions is included.

Item No.	Description
VCD001	Digital Vernier Calipers

## Deluxe Micrometer

This micrometer is made of hardened steel for precision and durability. Its range is 0 - 25mm and it has a precision rotary scale with a resolution of 0.01 mm, a ratchet thimble and a locking lever. Instructions are included.

Item No.	Description
MCRDLX	Deluxe Micrometer





## Microscope Slides, Glass, Plain

Pre-cleaned slides are 75mm x 25mm, 1.0mm to 1.2mm thick, and are packaged in boxes of 72. Made of quality sheet glass, with ground edges.



Item No.	Description
MSL3X1	Plain Slides, 75mm x 25mm, pack/72

## Microscope Slides, Glass, Plain, Rounded Corners



Pre-cleaned slides with rounded corners are 75mm x 25mm, 1.0mm to 1.2mm thick, and are packaged in boxes of 72. Made of quality sheet glass, with ground edges.

Item No.	Description
MSL3X1RC	Plain Slides, 75mm x 25mm, Rounded Corners, pack/72

## Microscope Slides, Glass, Frosted Ends

Pre-cleaned slides with one frosted end are 75mm x 25mm, 1.3mm thick, and are packaged in boxes of 72. Made of quality sheet glass, with ground edges. Frosted end is designed for easy marking and organization of slides.



Item No.	Description
MSLF01	Frosted Slides, 75mm x 25mm, pk/72

## Concavity Slides, Glass



Pre-cleaned slides with concavities are 75mm x 25mm, 1.3mm thick, and are packaged in boxes of 12. Spherical concavities are approximately 16mm in diameter and 0.8mm deep. Available with single, double, or triple concavities. Made of quality sheet glass, with ground edges.

Item No.	Description
CS3X11	Concavity Slides, 75mm x 25mm, 1 Concavity, pk/12
CS3X12	Concavity Slides, 75mm x 25mm, 2 Concavities, pk/12
CS3X13	Concavity Slides, 75mm x 25mm, 3 Concavities, pk/12

## Concavity Slides, Glass, Thick

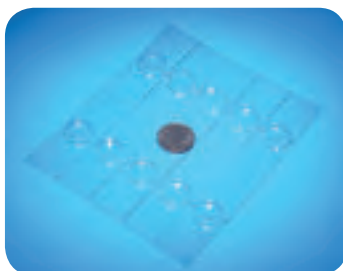
Pre-cleaned slides with deep concavities are 75mm x 25mm, 3mm thick, and are packaged in boxes of 12. Spherical concavities are approximately 16mm in diameter and 0.8mm deep. Available with single, double, or triple concavities. Made of quality sheet glass, with ground edges.



Item No.	Description
CSTK01	Thick Concavity Slides, 75mm x 25mm, 1 Concavity, pk/12
CSTK02	Thick Concavity Slides, 75mm x 25mm, 2 Concavities, pk/12
CSTK03	Thick Concavity Slides, 75mm x 25mm,, 3 Concavities, pk/12



## Plastic Well Slides, pack of 10



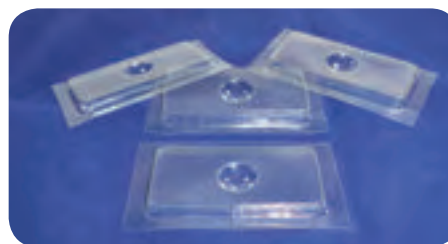
Reusable Plastic Well Slides measure 3" x 1" and are constructed of clear plastic. The well is approximately 16mm diameter with a depth of 2-3mm. Supplied as sheets of 10.

Item No.	Description
CSPL10	Plastic Well Slides, pk/10

## Plastic Well Slides, Large, pack of 10

Clear plastic slides measure 3" x 1" and feature raised edges designed to be easily gripped by a mechanical stage. The well is approximately 16mm in diameter with a depth of 2 to 3mm. Supplied 10 per pack.

Item No.	Description
CSPLG1	Plastic Well Slides, Large, pk/10



## Glass Coverslips



Pre-cleaned coverslips are made of quality, non-corrosive glass and packaged in 1 oz. boxes. The 22 x 22mm sized coverslips are available in thickness #1 or #2. The #1 thickness ranges from 0.13 to 0.17mm. The #2 thickness ranges from 0.18 to 0.25mm. A 1 oz. package includes more than 100 coverslips.

Additional sizes of coverslips are available. Please call for details.

Item No.	Description
SCSS18-1oz	#1 Glass Coverslips, 18mm X 18mm, 1 oz
SCSS22-1oz	#1 Glass Coverslips, 22mm X 22mm 1 oz
SCSP02	#2 Glass Coverslips, 22mm X 22mm 1 oz

All microscope slides and coverslips can be packaged per your specifications. Please call for details.

## Coplin Staining Jar, PP, Domed Cap

Coplin Staining Jar with domed cap is made of polypropylene and can hold 10 slides (75mm x 25mm) back to back. The interior is grooved to hold the slides in an upright position. Jar features domed and shallow thread screw cap. Autoclavable.

Item No.	Places	Height (mm)	Quantity per pack
62101	10	112	12



## Coplin Staining Jar, PP, Flat Cap



Coplin Staining Jar with flat cap is made of polypropylene and can hold 10 slides (75mm x 25mm) back to back. The interior is grooved to hold the slides in an upright position. Flat cap features large milled edge for easy hand grip and has a built-in plug seal. Autoclavable.

Item No.	Places	Height (mm)	Quantity per pack
P90101	10	114	12

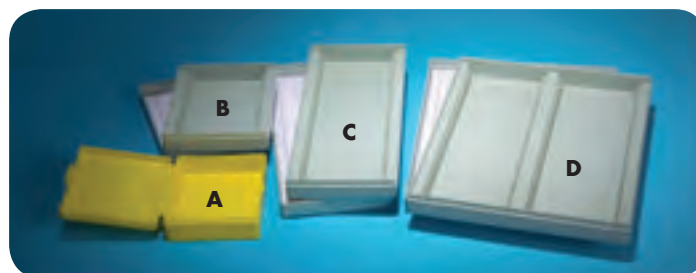




## Slide Storage Boxes, Plastic

Sturdy two-piece molded polystyrene slide boxes hold standard 75mm x 25mm microscope slides. The bottom section has numbers engraved for easy reference, and the inside of the lid carries a numbered slide index. Slide box of 10 (SBP010) features a hinged design.

Item No.	Picture	Places	L x W x H (mm)	Quantity per pack
SBP010	A	10	96 x 83 x 23	12
SBP025	B	25	122 x 92 x 32	12
SBP050	C	50	230 x 96 x 32	12
SBP100	D	100	230 x 184 x 32	6



## Slide Storage Boxes, Plastic, Hinged



Plastic (ABS) boxes with hinged lids hold standard 75mm x 25mm microscope slides. Bottoms are lined with cork and a printed index is mounted inside the lid.

Item No.	Places	L x W x H (mm)	Quantity per pack
P90103	25	95 x 82 x 32	12
P90104	50	199 x 82 x 32	6
P90105	100	192 x 162 x 32	6

## Slide Storage Rack with Clear Lid, Plastic

Plastic (ABS) slide storage box features a removable slide tray with 100 numbered slots that hold one or two slides each. Clear hinged lid allows easy view of labels. Slides can be stored vertically with the labels up for easy identification or bar code reading. Measures 3" W x 9" D x 3-1/2" H. Non-autoclavable.

Item No.	Description	Quantity per pack
62501	Slide Storage Rack with Clear Lid, Plastic	1



## Slide Storage Boxes, Wooden

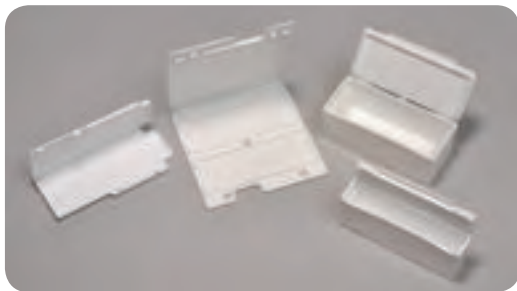


Strong wooden frame, with hinged cover. Slides fit into numbered beveled slots. Printed index lines the cover.

Item No.	Places	L x W x H (mm)	Quantity per pack
WSB025	25	128 x 106 x 35	1
WSB050	50	252 x 107 x 35	1
WSB100	100	252 x 194 x 35	1



## Microscope Slide Mailers, PP



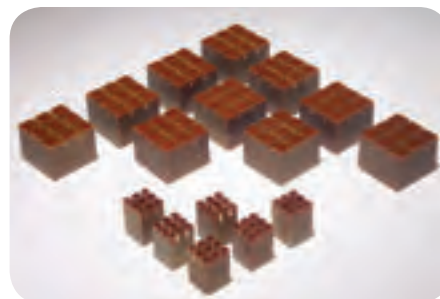
These white polypropylene slide mailers include hinged covers and molded-in dividers to securely hold 3" x 1" microscope slides. Available in four different capacities (1, 2, 5 and 10 slides).

Item No.	Description	Quantity per pack
62100	Slide Mailer, PP, 1 Slide	25
62102	Slide Mailer, PP, 2 Slides	25
62103	Slide Mailer, PP, 5 Slides	25
62111	Slide Mailer, PP, 10 Slides	25

## Embedding Blocks

Used for celloidin or paraffin sections, these embedding blocks are made of phenolic resin, which can be marked with a glass marking pencil. Top surface has 1/32" deep grid to provide a firm hold for embedded specimen. Blocks are 3/4" high.

Item No.	L x W x H (inches)	Quantity per pack
EB0001	1/2" x 1/2" x 3/4"	10
EB0002	5/8" x 5/8" x 3/4"	10
EB0003	3/4" x 3/4" x 3/4"	10
EB0004	1" x 1" x 3/4"	10



## Inoculating Loops, Metal



Our inoculating loop features an 8" long solid brass handle with an insulated grip. The non-calibrated 26 gauge nickel-chromium wire loop is approximately 5mm in diameter.

Also available as a set of 4, with color-coded handles for easy identification.

Item No.	Description
INL703	Inoculating Loop
INL703-PK/4	Inoculating Loop, set of 4

## Inoculating Loops, Plastic

Disposable economical plastic loops for use when flame sterilization is not needed. Overall length is 8.75". Sterilized and packed in a plastic bag.

Item No.	Capacity (µl)	Color	Quantity per pack
K1020	10	Blue	30
K1021	1	White	30



## Hand Tally Counter



Bright plastic case makes this hand tally counter lightweight yet sturdy. The counter advances by 1 with each click, up to a maximum of 9999. Turn the side knob to return the reading to zero. Use for general counting applications such as bacterial colonies.

Item No.	Description
HTCP01	Hand Tally Counter



## Mortar & Pestle Sets, Agate Stone

Octagonal mortar and pestle sets feature highly polished grinding surfaces. Made of naturally hard agate stone (6.5 on Moh's Scale). For use in laboratories demanding contamination-free results.

Item No.	Mortar Top O.D. (inches)	Capacity (ml)	Mortar Height (mm)	Pestle Length (mm)	Quantity per pack
MPA015	1.5"	3.8	25	38	1
MPA020	2.0"	8	28	50	1
MPA030	3.0"	40	34	76	1
MPA035	3.5"	50	38	88	1
MPA040	4.0"	90	41	101	1
MPA060	6.0"	300	65	152	1



## Mortar and Pestle Sets, Deep Form, Porcelain



Deep form mortars with lips are glazed on the outside (except for the bottom) and unglazed inside. Oversized pestles are glazed to grinding surface.

Item No.	Capacity (ml)	Mortar Height (mm)	Pestle Length (mm)	Quantity per pack
JMD050	50	47	114	1
JMD070	70	52	130	1
JMD150	150	70	157	1
JMD275	275	70	180	1
JMD400	400	80	194	1
JMD750	750	110	222	1
JMD1900	1900	130	262	1

## Safety Goggles Box, Acrylic

Store goggles, glasses, or other small lab products using this clear box. It can be used on a desktop or can be mounted on a wall. Includes a lid to keep the box free of dust or contamination. Available in two sizes.

Item No.	L x W x H (cm)	Size	Quantity per pack
P70106	23 x 16 x 18	Small	1
P70107	23 x 16 x 25	Large	1



## Parafilm M® Dispenser, Acrylic



Durable acrylic dispenser is ideal for storing, dispensing and cutting Parafilm M® tape and labels. Holds two-inch or four-inch rolls and includes a sharp, serrated blade for easy cutting. Lid opens for quick loading of rolls. Parafilm M not included.

Item No.	Capacity (inch)	L x W x H (mm)	Quantity per pack
P70401	2 and 4	180 x 120 x 160	1



## Pipettes, Measuring (Mohr), Class A, Batch Certified



These pipettes are made from borosilicate glass in compliance with ASTM specification E-1293. Color-coded. Batch certified. Calibrated to deliver. Printed with durable amber markings.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (ml)	Color Code	Quantity per pack
PM7059-A	0.1	0.01	± 0.006	White	5
PM7059-B	0.2	0.01	± 0.006	Black	5
PM7059-D	1	0.10	± 0.010	Red	5
PM7059-F	2	0.10	± 0.010	Green	5
PM7059-H	5	0.10	± 0.020	Blue	5
PM7059-I	10	0.10	± 0.030	Orange	5
PM7059-J	25	0.10	± 0.050	White	5

## Pipettes, Measuring (Mohr), Class A, Individually Certified

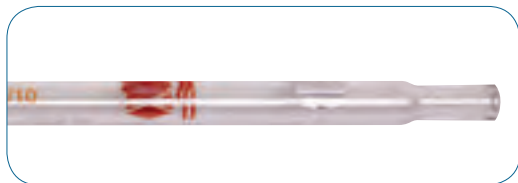
These pipettes are made from borosilicate glass in compliance with ASTM specification E-1293. Color-coded. Individually serialized and certified. Calibrated to deliver. Printed with durable amber markings.

Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance (ml)	Color Code	Quantity per pack
PM7058-A	0.1	0.01	± 0.006	White	5
PM7058-B	0.2	0.01	± 0.006	Black	5
PM7058-D	1	0.10	± 0.010	Red	5
PM7058-F	2	0.10	± 0.010	Green	5
PM7058-H	5	0.10	± 0.020	Blue	5
PM7058-I	10	0.10	± 0.030	Orange	5
PM7058-J	25	0.10	± 0.050	White	5



## Pipettes, Measuring (Mohr), Class B

These pipettes are made from borosilicate glass in compliance with ASTM specification E-1293 for Class B pipettes. Color-coded. Calibrated to deliver. Printed with durable amber markings.



Item No.	Capacity (ml)	Graduation Interval (ml)	Tolerance	Color Code	Quantity per pack
PM7060-A	0.1	0.01	± 0.005	White	6
PM7060-B	0.2	0.01	± 0.008	Black	6
PM7060-C	1.0	0.01	± 0.020	Yellow	6
PM7060-D	1.0	0.1	± 0.020	Red	6
PM7060-F	2.0	0.1	± 0.020	Green	6
PM7060-H	5.0	0.1	± 0.040	Blue	6
PM7060-I	10.0	0.1	± 0.060	Orange	6
PM7060-J	25.0	0.1	± 0.100	White	6



## Pipettes, Transfer, Volumetric, Class A, Batch Certified

These pipettes are made from borosilicate glass in compliance with ASTM specification E-969. Color-coded. Batch certified. Calibrated to deliver. Printed with durable amber markings.

Item No.	Capacity (ml)	Tolerance (ml)	Color	Quantity per pack
PT7101-A	1	± 0.006	Blue	5
PT7101-B	2	± 0.006	Orange	5
PT7101-C	5	± 0.010	White	5
PT7101-D	10	± 0.020	Red	5
PT7101-E	20	± 0.030	Yellow	5
PT7101-F	25	± 0.030	Blue	5
PT7101-G	50	± 0.050	Red	5
PT7101-H	100	± 0.080	Yellow	5



## Pipettes, Transfer, Volumetric, Class A, Individually Certified

These pipettes are made from borosilicate glass in compliance with ASTM specification E-969. Color-coded. Individually serialized and certified. Calibrated to deliver. Printed with durable amber markings.



Item No.	Capacity (ml)	Tolerance (ml)	Color	Quantity per pack
PT7100-A	1	± 0.006	Blue	5
PT7100-B	2	± 0.006	Orange	5
PT7100-C	5	± 0.010	White	5
PT7100-D	10	± 0.020	Red	5
PT7100-E	20	± 0.030	Yellow	5
PT7100-F	25	± 0.030	Blue	5
PT7100-G	50	± 0.050	Red	5
PT7100-H	100	± 0.080	Yellow	5

## Pipettes, Transfer, Volumetric, Class B

These pipettes are made from borosilicate glass in compliance with ASTM specification E-969 for Class B pipettes. Color-coded. Calibrated to deliver. Printed with durable amber markings.

Item No.	Capacity (ml)	Tolerance (ml)	Color	Quantity per pack
PT7102-A	1	± 0.012	Blue	6
PT7102-B	2	± 0.012	Orange	6
PT7102-C	5	± 0.020	White	6
PT7102-D	10	± 0.040	Red	6
PT7102-E	20	± 0.060	Yellow	6
PT7102-F	25	± 0.060	Blue	6
PT7102-G	50	± 0.100	Red	6
PT7102-H	100	± 0.160	Yellow	6







## Pipettes, Serological, Class A, Batch Certified

These Type 3 serological pipettes are made from borosilicate glass and comply with USP standards. Color-coded. Batch certified. Calibrated to deliver. Printed with durable amber markings.

Item No.	Capacity (ml)	Graduation		Color Code	Quantity per pack
		Interval (ml)	Tolerance (ml)		
PS7079-A	0.1	0.01	± 0.006	White	5
PS7079-B	0.2	0.01	± 0.006	Black	5
PS7079-D	1	0.10	± 0.010	Red	5
PS7079-F	2	0.10	± 0.010	Green	5
PS7079-H	5	0.10	± 0.020	Blue	5
PS7079-I	10	0.10	± 0.030	Orange	5
PS7079-J	25	0.10	± 0.050	White	5



## Pipettes, Serological, Class A, Individually Certified



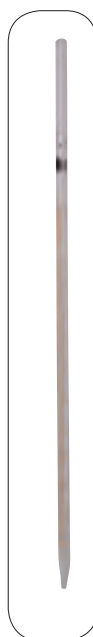
These Type 3 serological pipettes are made from borosilicate glass and comply with USP standards. Color-coded. Individually serialized and certified. Calibrated to deliver. Printed with durable amber markings.

Item No.	Capacity (ml)	Graduation		Color Code	Quantity per pack
		Interval (ml)	Tolerance (ml)		
PS7078-A	0.1	0.01	± 0.006	White	5
PS7078-B	0.2	0.01	± 0.006	Black	5
PS7078-D	1	0.10	± 0.010	Red	5
PS7078-F	2	0.10	± 0.010	Green	5
PS7078-H	5	0.10	± 0.020	Blue	5
PS7078-I	10	0.10	± 0.030	Orange	5
PS7078-J	25	0.10	± 0.050	White	5

## Pipettes, Serological, Accuracy as per Class "B"

These Type 3 serological pipettes are made from borosilicate glass and comply with USP standards. Color-coded. Calibrated to deliver. Printed with durable amber markings.

Item No.	Capacity (ml)	Graduation		Color Code	Quantity per pack
		Interval (ml)	Tolerance (ml)		
PS7080-A	0.1	0.01	± 0.005	White	6
PS7080-B	0.2	0.01	± 0.008	Black	6
PS7080-C	1.0	0.01	± 0.020	Yellow	6
PS7080-D	1.0	0.1	± 0.020	Red	6
PS7080-F	2.0	0.1	± 0.020	Green	6
PS7080-H	5.0	0.1	± 0.040	Blue	6
PS7080-I	10.0	0.1	± 0.060	Orange	6
PS7080-J	25.0	0.1	± 0.100	White	6





## Pipette Filling Device

Fill any standard pipette using this efficient and reliable electronic instrument. It is designed for ease and comfort to suit various types of liquid handling needs in laboratories.

Features include LED charging indicators, adjustable pump speed, comfort grip and multiple housing color combinations. A universal silicon collet is provided to accept all standard pipettes up to 100 ml. Internal knurlings on the collet hold the pipette firmly.

An in-line membrane filter (0.2 micron filter included) prevents aerosol contamination and prevents liquid from entering the equipment by accident.

Ni-MH 3.6V batteries are used in combination with a low power consumption circuit and vacuum/pressure pump. This allows for eight hours of continuous operation. Each device includes a battery charger that is compatible with both 110V and 220V.



Item No.	Description
PFD001	Pipette Filling Device
PFDS01	Stand for Pipette Filling Device
Replacement Filters:	
MPF-20-pk/5	Replacement filters 0.2 $\mu$ m
MPF-45-pk/5	Replacement filters 0.45 $\mu$ m



**Adjustable Pump Speed:**  
Control knob allows easy adjustment of pump speed, even while the unit is operating.



**Status Indicator LEDs:**  
Red LED indicates low charge and green LED indicates that battery is charged.



**Comfortable Grip:**  
Ergonomic handle is designed for extended use.



**Universal Collet:**  
A universal silicon collet with internal knurlings firmly holds all standard pipettes up to 100ml.

## Pipette Pumps



Good quality pipettors designed for easy and precise pipetting. Pumps feature a lever for quick release, and forward or backward wheel movement. The soft elastic chuck has a threaded collar to tightly grip glass or plastic pipettes. Easy to clean.

Item No.	Capacity (ml)	Color	Quantity per pack
PPMP02	2	Blue	12
PPMP10	10	Green	12
PPMP25	25	Red	12



## Variable Volume Fully Autoclavable Micropipettes

Our Variable Volume Micropipettes feature built-in tip ejectors and autoclavable tip cones. They are offered in nine volume ranges, as detailed below. They work on a click stop digital system, are easy to calibrate and maintain, and easy to disassemble for autoclaving. Manufactured in an ISO 9001:2008 certified facility, these pipettes are highly accurate. Each pipette is individually calibrated according to ISO 8655 standards. A calibration certificate is provided with each pipette.



Item No.	Volume Range (µl)	Increment (µl)	Volume (µl)	Accuracy (± %)	Precision (± %)	Compatible Tips
PRV-2	0.2-2.0 µl	0.01	0.2	12.0	6.0	20 µl
			1.0	2.5	1.5	
			2.0	1.5	0.7	
PRV-10	0.5-10 µl	0.1	0.5	5.0	2.8	200 µl
			5.0	1.5	0.8	
			10.0	1.0	0.4	
PRV-20	2-20 µl	0.1	2.0	5.0	1.5	200 µl
			10.0	1.0	0.6	
			20.0	1.0	0.3	
PRV-50	5-50 µl	1.0	5.0	2.5	1.5	200 µl
			25.0	0.7	0.3	
			50.0	0.7	0.3	
PRV-100	10-100 µl	1.0	10.0	2.5	0.7	200 µl
			50.0	0.8	0.3	
			100.0	0.8	0.15	
PRV-200	20-200 µl	1.0	20.0	2.5	0.7	200 µl
			100.0	1.0	0.3	
			200.0	0.6	0.2	
PRV-1000	100-1000 µl	10.0	100.0	1.6	0.3	1000 µl
			500.0	0.6	0.2	
			1000.0	0.5	0.2	
PRV-5000	0.5-5 ml	100.0	500.0	1.5	0.3	5 ml
			2500.0	0.6	0.2	
			5000.0	0.6	0.2	
PRV-10000	2-10 ml	100.0	1000.0	1.5	0.3	10 ml
			5000.0	0.6	0.2	
			10000.0	0.6	0.2	



**Easy Volume Adjustment:**  
Easy volume adjustment by simply turning the plunger. Plunger does not snag gloves.



**Volume Setting:**  
Soft click sound at every increment ensures perfect volume setting and no accidental volume change. It also facilitates single handed operation.



**Digital Display:**  
Four-digit display with subdivisions provides small volume increments.



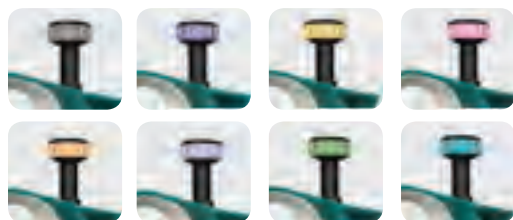
**Large Grip:**  
Specially designed large grip is provided for comfort during frequent use.



**Tip Ejector:**  
Built-in streamlined tip ejector facilitates easy tip ejection and access to narrow necked bottles and tubes.



**User Adjustment:**  
Re-calibration can be performed.



**Color Coding:**  
Different volume range micropipette dials are color-coded for easy identification.

Contact us for information regarding private labeling.



## Multichannel Fully Autoclavable Micropipettes

Our Multichannel micropipettes are recommended for a wide variety of applications such as ELISA, molecular screening, kinetic studies, and DNA amplifications. Available in 8-channel and 12-channel options.

Our Variable Volume Micropipettes feature built-in tip ejectors and autoclavable tip cones. They are offered in nine volume ranges, as detailed below. They work on a click stop digital system, are easy to calibrate and maintain, and easy to disassemble for autoclaving. Manufactured in an ISO 9001:2008 certified facility, these pipettes are highly accurate. Each pipette is individually calibrated according to ISO 8655 standards. A calibration certificate is provided with each pipette.

8-Channel Item No.	12-Channel Item No.	Volume Range (µl)	Increment (µl)	Volume (µl)	Accuracy (± %)	Precision (± %)	Compatible Tips
PMC8-10	PMC12-10	0.5-10 µl	0.1	1.0	4.00	4.00	200 µl
				5.0	2.50	2.50	
				10.0	1.50	1.50	
PMC8-20	PMC12-20	2-20 µl	0.1	2.0	4.00	4.00	200 µl
				10.0	1.50	1.50	
				20.0	1.50	1.00	
PMC8-50	PMC12-50	5-50 µl	1.0	5.0	3.00	2.00	200 µl
				25.0	1.50	1.00	
				50.0	0.50	0.50	
PMC8-100	PMC12-100	10-100 µl	1.0	10.0	3.00	1.50	200 µl
				50.0	1.00	0.50	
				100.0	1.00	0.50	
PMC8-200	PMC12-200	20-200 µl	1.0	20.0	2.00	0.80	200 µl
				100.0	1.00	0.50	
				200.0	0.70	0.25	
PMC8-300	PMC12-300	40-300 µl	1.0	40.0	2.00	0.80	1000 µl
				150.0	1.00	0.50	
				300.0	0.70	0.25	



8-Channel Micropipette



12-Channel Micropipette



**Operation Flexibility:**

Lower housing can be rotated 360° for flexibility during operation.



**Easy Tip Ejection:**

Remove tips easily with specially designed sequential tip ejector.



**Pipette Holder:**

Each micropipette includes a holder for easy, efficient and safe storage.



**Soft Grip and Ergonomics:**

Comfortable body design and soft grip reduce user fatigue.



**Tip Ejection Knob:**

Thoughtful placement and design allows easy single handed tip ejection.



## Pipette Starter Kit



This custom kit contains three pipettes, plus accessories, at an economical price. The kit includes:

- PVV-20 Variable Volume Micropipette, 2-20  $\mu$ l
- PVV-200 Variable Volume Micropipette, 20-200  $\mu$ l
- PVV-1000 Variable Volume Micropipette, 100-1000  $\mu$ l
- T200UL-Y, Replacement Micropipette Tips, 200  $\mu$ l, pk/1000
- T1000UL-B, Replacement Micropipette Tips, 1000  $\mu$ l, pk/500
- A guide to pipetting

Item No.	Description
PVVKIT	Pipette Starter Kit

## Pasteur Pipettes, LDPE

Unbreakable, non-toxic all-in-one pipettes are molded from translucent low-density polyethylene. Can be sealed and refrigerated. Available in sterile and non-sterile versions. Sterile pipettes are individually wrapped.

Item No.	Capacity (ml)	Length (mm)	Quantity per pack
P31201	1.0	150	500
P31202	1.0 (Sterile)	150	500
P31205	3.0	155	500
P31206	3.0 (Sterile)	155	500



## Racked Micro Tips, PP, Sterile

Sterile tips are packaged in racks of 96 with 10 racks in each case.

Manufactured in a precision molding facility from 100% virgin polypropylene, United micropipette tips are DNase, RNase and Pyrogen free. The highly smooth surface is hydrophobic to provide low liquid retention, increased accuracy and repeatability. Inner radial rings enable an airtight grip on the tip cone. Autoclavable at 121°C and 15 psi for 30 minutes.

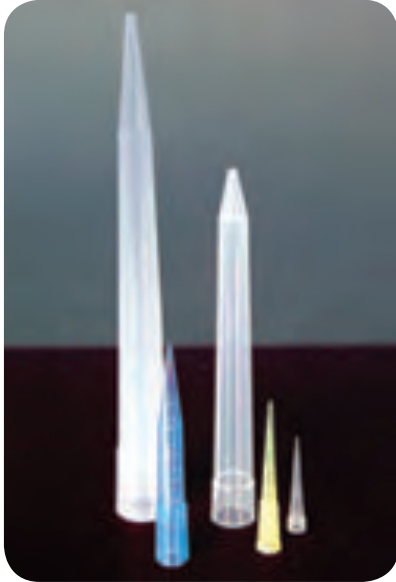
Item No.	Capacity ( $\mu$ l)	Color	Quantity per case
P10117	0.5 -10 Sterile	Natural	10 racks x 96 pcs (960 pcs)
P10111	2 - 200 Sterile	Yellow	10 racks x 96 pcs (960 pcs)
P10113	100 - 1000 Sterile	Blue	10 racks x 96 pcs (960 pcs)







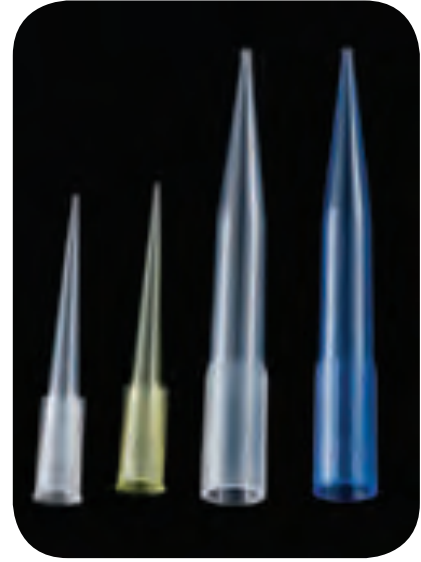
## Micropipette Tips, PP



Manufactured in a precision molding facility from 100% virgin polypropylene, United micropipette tips are DNase, RNase and Pyrogen free. The highly smooth surface is hydrophobic to provide low liquid retention, increased accuracy and repeatability. Inner radial rings enable an airtight grip on the tip cone. Autoclavable at 121°C and 15 psi for 30 minutes.

**United tips are compatible with many leading brands of pipettes, such as Eppendorf, Gilson, and Rainin. Please call for a complete list of compatible micropipette models.**

Item No.	Tip Size	Description / Color	Quantity per pack
T10UL-N	10 µl	Natural	1,000
T20UL-N	20 µl	Natural	1,000
T200UL-Y	200 µl	Yellow	1,000
T200UL-N	200 µl	Natural	1,000
T1000UL-B	1000 µl	Blue	500
T1000UL-N	1000 µl	Natural	500
T5ML-N	5 ml	Natural	500
T10ML-N	10 ml	Natural	400



## Empty Micro Tip Box, PP



Empty Micro Tip boxes contain 96 tip holes, spaced uniformly so they can be used with a multi-channel micropipette. Includes a transparent top cover. Autoclavable.

Item No.	Tip Capacity (µl)	Places	L x W x H (mm)	Quantity per pack
P20102	2-200	96	126 x 93 x 70	6
P20103	200-1000	96	143 x 100 x 88	6



## Mini Pipettes

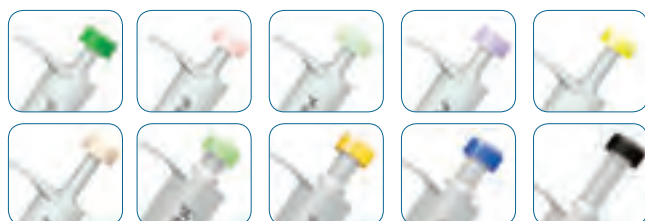


These mini pipettes include a two step plunger that facilitates super blow-out from the tip (last drop dispensing), resulting in very high accuracy and precision. This allows the mini pipette to be used for reverse pipetting and repetitive pipetting.

The tip cone of the 5µl, 10µl, and 20µl mini pipettes is designed to accept both regular 200µl tips or ultra micro tips up to 20µl. Use of ultra micro tips for volumes up to 20µl enhances accuracy and precision. Can be used for reverse pipetting and repetitive pipetting.

These pipettes provide an optimum length of 130mm for user comfort during pipetting, and are fully autoclavable at 121°C, 15psi for 10 to 15 minutes. Plungers are color coded for different volumes for easy identification in the lab.

Each pipette is individually calibrated per DIN 12650 standards. Pipettes are manufactured in an ISO 9002 certified facility - calibration certificates for specific batches are available upon request.



### Color Coding:

Different volume range mini pipette plungers are color-coded for easy identification.

Item No.	Capacity (µl)	Accuracy (± %)	Precision (± %)
PMP005	5	1.5	1.0
PMP010	10	1.0	1.0
PMP020	20	0.5	0.5
PMP025	25	0.5	0.5
PMP050	50	0.4	0.3
PMP100	100	0.3	0.3
PMP200	200	0.5	0.5
PMP250	250	0.5	0.5
PMP500	500	0.5	0.5
PMP1000	1000	0.5	0.5



**Optimum Size:**  
130mm length was chosen to provide comfort for all users.



**Unique Tip Cone**  
Designed to accept both regular 200µl tips or ultra micro tips up to 20 µl.



**Optimum Shape:**  
Unique design can be held like a micropipette, not a syringe!



### Two-step Plunger:

Two-step plunger operation facilitates super blow-out from the tip (last drop dispensing), resulting in very high accuracy and precision.



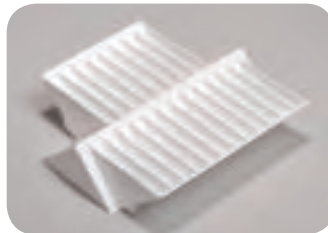
## Reagent Reservoir, PP

For use with micropipettes. Total capacity of 75ml. Includes graduation marks at 10, 30 and 60ml levels. Autoclavable. Sold as a pack of 12.



Item No.	Description
79121	Reagent Reservoir, pk/12

## Reversible Reagent Reservoir, PP



This versatile polypropylene reservoir is useful for single and multichannel micropipettes. Positioned one way, it provides a 50ml reservoir for use with a single channel micropipette. Flipped over, it provides a numbered reservoir with eight separate 5ml reagent channels, and a numbered reservoir with twelve separate 5ml reagent channels. Autoclavable. Sold as a pack of 6.

Item No.	Description
79131	Reversible Reagent Reservoir, pk/6

## Instrument Trays, PP

Handy for storage and sterilization of instruments, these durable polypropylene trays include covers that fit snugly into grooves molded into the trays. Available in two sizes: the smaller size can be used to sterilize small instruments, and the large size allows pipettes to be fully immersed in disinfectant before sterilization. Autoclavable.

Item No.	Description	Quantity per pack
81736	Instrument Tray, 22cm x 15cm x 7cm	2
81737	Instrument Tray, 45cm x 15cm x 7cm	2



## Micropipette Stand, PP



Ideal for holding a micropipette conveniently at a workstation, this polypropylene stand is designed for easy access. The modular shape enables multiple stands to be joined together, so micropipettes of various capacities can be stored as a group.

Item No.	Description
MPSM01	Micropipette Stand, Modular



## Pipette Stand, Rotary, 94-Place, Plastic



Molded in polypropylene, this non-corrosive pipette stand holds up to 94 pipettes and can be rotated for convenient selection of any pipette. Central vertical axis measures 19" in height. The lower rotating disc measures 9" in diameter and has four concentric troughs that align with the upper disc. This stand can be easily disassembled and reassembled.

Item No.	Description	Quantity per pack
79103	Pipette Stand, Rotary, 94-Place	1

## Pipette Stand, Vertical, 28-Place, Plastic

Polypropylene, non-corrosive pipette stand can hold up to 28 pipettes. The heavy base is 9" in diameter and the polypropylene coated square rod is 15" high. The top disc has holes for supporting the pipettes while the lower disc has pilot holes where pipette tips rest and liquids can drain down to the base. Distance between the discs can be adjusted to accommodate various pipette lengths.

Item No.	Description	Quantity per pack
79102	Pipette Stand, Vertical, 28-Place	1



## Pipette Stand, Horizontal, 12-Place, Plastic



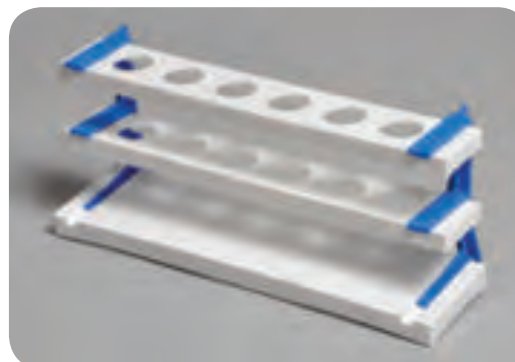
Polypropylene pipette stand can hold up to 12 pipettes in a horizontal position. Autoclavable. Stand is constructed with three polypropylene coated metal rods for extra weight and stability. Can be easily disassembled and reassembled.

Item No.	Description	Quantity per pack
79101	Pipette Stand, Horizontal, 12-Place	6

## Nessler Cylinder Rack, 6-Tube

Polypropylene rack is designed to hold six Nessler cylinders. Flat lower deck is white to provide a reflective surface. Chemical and corrosion resistant rack can be autoclaved at 121°C (250°F).

Item No.	Description
76101	Nessler Cylinder Rack for 50ml cylinders
76102	Nessler Cylinder Rack for 100ml cylinders





## Plastic Test Tube Rack, Cube

A sturdy one-piece molded polypropylene rack. All four sides can be used interchangeably for 12mm through 25mm diameter tubes. Rack features a total of 88 spaces on its four sides.

Tube Diameter	Number per unit
50ml Tubes	8
20ml Tubes	20
15ml Tubes	24
12ml Tubes	40

Item No.	Description
76001	Plastic Test Tube Rack, Cube



## Rotator Workstation, PP



Organize various sized tubes using the Rotator workstation. Racks can be joined together using the unique rotate and lock design. Add as many racks as you need. Racks can withstand temperatures of -80°C to +121°C and are autoclavable. Built-in ridges enable easy drainage of liquids.

Rotator workstations hold the following products:

Tube Diameter	Number per unit
50 ml Centrifuge Tubes	2 per unit
15 ml Centrifuge Tubes	8 per unit
1.5ml or 2.0ml Micro Centrifuge Tubes	9 per unit
0.5ml Micro Centrifuge Tubes	6 per unit
PCR plates (unskirted or semi-skirted 96 well)	1 per 2 units put together
PCR 8-tube strips	6 per unit
PCR 12-tube strips	8 per 2 unit
PCR 0.2ml tubes	48 per unit

Item No.	L x W x H (mm)	Quantity per pack
P20208	108 x 68 x 108	4 (one each Blue, Green, Yellow and Red)

## Multi Combination Racks, PP

Organize various sized tubes and vials. Racks can withstand temperatures of -80°C to +121°C and are autoclavable.

Multi Combination Racks hold the following products:

Tube Diameter	Number per unit
50 ml Centrifuge Tubes	4 per unit
15 ml Centrifuge Tubes	12 per unit
1.5ml or 2.0ml Micro Centrifuge Tubes	32 per unit
0.5ml Micro Centrifuge Tubes	32 per unit
RIA Vial / Plastic Test Tube 12 x 75mm	32 per unit

Item No.	L x W x H (mm)	Quantity per pack
P20209	175 x 90 x 65	4 (one each Blue, Green, Yellow and Red)







## Test Tube Rack Set, Plastic Tubes



This set contains twelve 15ml screw top graduated plastic tubes and a brightly colored two tiered test tube stand.

Item No.	Description
TTRSET-P	Test Tube Rack with 15ml Plastic Tubes

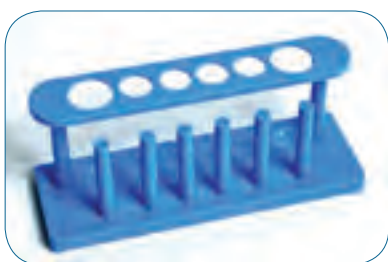
## Test Tube Rack Set, Glass Tubes

This set contains twelve 24ml glass test tubes with rubber stoppers, and a brightly colored two tiered test tube stand.

Item No.	Description
TTRSET	Test Tube Rack with 24ml Glass Tubes and Rubber Stoppers



## Plastic Test Tube Rack, 6-Tube



This polyethylene rack will hold six test tubes, and has six drying pins. Sides are fully open for clear viewing. Rack has two 30mm and four 20mm holes, and is pre-assembled.

Item No.	Description
TTHP01	Test Tube Rack, In-line, pre-assembled

## Plastic Test Tube Rack, In-line

This polyethylene rack will hold six test tubes, and has six drying pins. Sides are fully open for clear viewing. Rack has six 25mm holes and requires assembly.

Item No.	Description
TTHP02	Test Tube Rack, In-line, needs assembly



## Test Tube Rack, PC



Polycarbonate racks feature ergonomic design for easy handling. Provides good chemical resistance. Autoclavable and withstands temperatures from -135°C to 135°C. Includes molded-in numbers and letters for easy identification of test tubes.

Additional sizes are available. Please call for details.

Item No.	Tubes (mm)	Places	Color	L x W x H (mm)	Qty per pack
P20708B	16	31	Blue	275 x 65 x 110	4
P20708W	16	31	White	275 x 65 x 110	4
P20708Y	16	31	Yellow	275 x 65 x 110	4



## Plastic Test Tube Rack, 3-Tier

Polypropylene racks with a 3-tier design provide a clear view of the tube contents and convenient insertion and removal of tubes.



Item No.	For tubes up to (mm) / No. of places	Quantity per pack
77706	13mm / 31 tubes	2
77707	16mm / 31 tubes	2
77708	20mm / 20 tubes	2
77709	25mm / 12 tubes	2
77710	25mm / 18 tubes	2
77711	32mm / 12 tubes	2
77712	25mm / 36 tubes	2
77714	13mm / 18 tubes	4
77715	15mm / 18 tubes	4
77716	18mm / 12 tubes	4
77717	13mm / 62 tubes	2
77718	16mm / 62 tubes	2
77719	20mm / 40 tubes	2

## Plastic Test Tube Racks, Wet/Dry



Economical yet very durable racks that are submersible, autoclavable, and easily stack when empty. Made from a special blend of polypropylene (PP) that makes them sink in a water bath and maintain their stability even in agitated water. The top tier features an alphanumeric grid reference. Available in white, but can be special ordered in various colors.

Item No.	For tubes up to (mm) / No. of places	Quantity per pack
77901	13mm / 90 tubes	6
77902	16mm / 60 tubes	6
77903	20mm / 40 tubes	6
77904	25mm / 24 tubes	6
77905	30mm / 21 tubes	6

## Plastic Test Tube Rack, 12-Tube

Sturdy polypropylene plastic rack will hold 12 test tubes up to 25 mm in diameter. Easy to assemble, and chemical resistant.

Item No.	Description
TTHPO3	Plastic Test Tube Rack, 12-Tube, needs assembly



## Test Tube Racks, One-Piece, PP



One-piece molded racks have a three-tier grid design. Polypropylene construction provides good chemical and thermal resistance. Autoclavable. Racks feature a 3/4" x 2-3/4" labeling area on two sides. Open design allows easy viewing of contents from all sides.

Available in sizes that hold 13mm or 16mm tubes. Both racks feature a 6 x 6 array of holes.

Item No.	For tubes up to (mm) / No. of places	Quantity per pack
77906	13mm / 36 tubes	4
77907	16mm / 36 tubes	4



## Wooden Test Tube Rack, 6-Tube



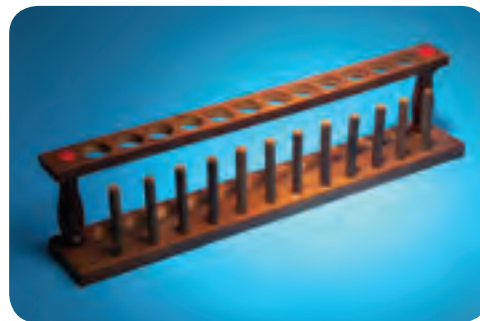
Six 25mm holes, six drying pins, with a 1/2" thick base. Solid hardwood construction. Polished to minimize damage from spills.

Item No.	Description
TTHW01	Wooden Test Tube Rack, 6-Tube

## Wooden Test Tube Rack, 12-Tube

Twelve 25mm holes, twelve drying pins, with a 1/2" thick base. Solid hardwood construction. Polished to minimize damage from spills.

Item No.	Description
TTHW03	Wooden Test Tube Rack, 12-Tube



## Wooden Test Tube Rack, 13-Tube

Two-tier rack with thirteen 25mm holes, and six drying pins. Solid hardwood construction. Polished to minimize damage from spills.



Item No.	Description
TTHW04	Wooden Test Tube Rack, 13-Tube, Two-Tier

## Test Tube Rack, Wire, Epoxy-Coated

Heavy wire test tube rack includes a durable epoxy coating. Holds up to 36 tubes.

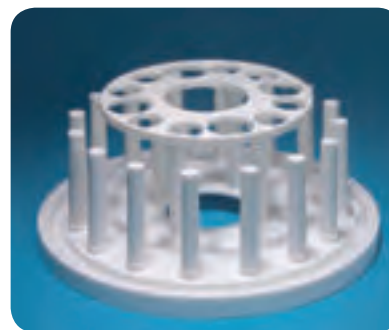
Item No.	Description
TTWE01	Test Tube Rack, Wire, Epoxy-Coated, holds 36 tubes





## Plastic Test Tube Rack, Round, 12-Tube

This circular 12 place Polypropylene test tube stand has four 25mm diameter holes and eight 19mm diameter holes. The base has matching wells and 16 drying pins surrounded by a trough to catch drippings. Pre-assembled.



Item No.	Description
77704	Test Tube Rack, Round with Drying Pins

## Plastic Test Tube Rack, Round, 24-Tube



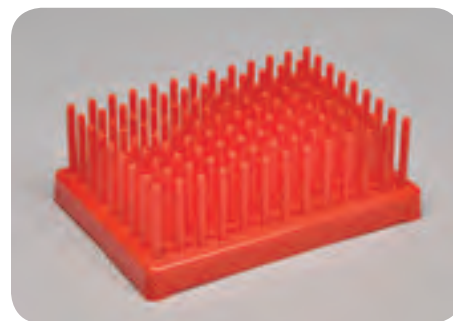
Good quality round test tube rack will hold 24 tubes up to 20mm in diameter. Solid high-impact plastic construction. Rack is 145mm in diameter and 70mm high, and features a perforated bottom. Shipped preassembled.

Item No.	Description
TTHP05	Plastic Test Tube Rack, 24-Tube

## Test Tube Drying Racks, Plastic

These polypropylene racks can conveniently hold inverted tubes for drying and to minimize collection of airborne contaminants. Racks can also be used to hold and dry electrophoresis and chromatography plates. Autoclavable.

The 96 place rack features an 8 x 12 array of pegs that hold tubes up to 13mm in diameter. The 50 place rack features a 5 x 10 array of pegs that hold tubes up to 16mm in diameter.



Item No.	Description	Quantity per pack
77851	96 places for up to 13mm tubes	6
77852	50 places for up to 16mm tubes	6

## Drying / Draining Rack



The ABS plastic draining rack provides an excellent option for post-wash draining of tubes and bottles. The back plate has 20 holes into which pegs are tightened with the help of screw-nuts. The bottom of the rack features a wastewater tray and drain.

Item No.	Description	Quantity per pack
81741	Drying / Draining Rack, 20 Place	1



## Spatulas, Stainless Steel with Wooden Handles



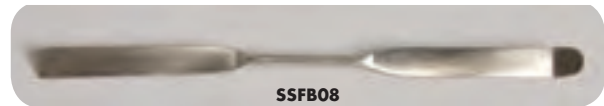
Flexible stainless steel blade with rounded end, mounted in a polished wood handle.

Item No.	Description
SSSW03	Spatula with Wooden Handle, 3" Blade
SSSW04	Spatula with Wooden Handle, 4" Blade
SSSW05	Spatula with Wooden Handle, 5" Blade
SSSW06	Spatula with Wooden Handle, 6" Blade
SSSW08	Spatula with Wooden Handle, 8" Blade

## Spatulas, Stainless Steel

Stainless steel spatulas, available in various styles and sizes.

Item No.	Description
SSFB04	Spatula, 4" (10cm) long, one end flat, one end bent
SSFB06	Spatula, 6" (15cm) long, one end flat, one end bent
SSFB08	Spatula, 8" (20cm) long, one end flat, one end bent
SSFF05	Spatula, 5" (12.5cm) long, both ends flat
SSFT06	Spatula, 6" (15cm) long, one end flat, one end tapered



## Spatulas, Stainless Steel, Flat and Spoon

Stainless steel spatulas with one flat end and one spoon end.



Item No.	Description
SSSP04	Spatula, One Flat End, One Spoon End, 4" (10cm) long
SSSP06	Spatula, One Flat End, One Spoon End, 6" (15cm) long
SSSP08	Spatula, One Flat End, One Spoon End, 8" (20cm) long

## Spatulas, Stainless Steel, Both Ends Flat

Stainless steel spatulas with both ends flat.

Item No.	Description
SSSS04	Spatula, Both Ends Flat, 4" (10cm) long
SSSS06	Spatula, Both Ends Flat, 6" (15cm) long
SSSS08	Spatula, Both Ends Flat, 8" (20cm) long



## Micro Spatula, Stainless Steel



Stainless steel micro spatula, 21 cm (8.25") long, one end flat and one end pointed.

Item No.	Description
SSFT08	Micro Spatula, 21cm long

## Micro Spoon, Stainless Steel with Plastic Handle

Stainless steel micro spoon has an overall length of 16.5 cm (6.5"), with one end round and one end plastic-coated for easy grip.

Item No.	Description
SSPP07	Micro Spoon with Plastic Handle, 16.5cm



## Micro Spoon, Stainless Steel



Stainless steel micro spoon has an overall length of 23.5 cm (9.25"), with one end spoon and one end flat.

Item No.	Description
SSFS09	Micro Spoon, 23.5cm





## Set of Spatulas

Set of 6 of our most popular spoons and spatulas for the laboratory. Includes one each: SSSW04 (4" blade mounted on a hardwood handle), SSPP07 (Microspoon with Plastic Handle), SSSS06 (Stainless Steel 6" one end flat, one end spoon), SSFB06 (6" Stainless Steel Spatula, one end bent, one end flat), SSFT06 (6" Stainless Steel Spatula one end flat, one end tapered), and 81301 (polypropylene 6" one end spatula, one end spoon).



Item No.	Description
SPATST6	Set of 6 Spatulas/Spoons

## Laboratory Scoop, Stainless Steel



Stainless steel scoop with one pointed end for handling small amount of chemicals. Length 6-1/2" (16.5 cm). Also available with 5" long hardwood handle.

Item No.	Description
LSCSS6	Laboratory Scoop, Stainless Steel
LSHND1	Hardwood Handle for Laboratory Scoop
LSCSET	Laboratory Scoop and Hardwood Handle Set

## Plastic Spatulas

Molded in polypropylene, spatulas feature a spoon on one side.

Item No.	Description	Quantity per pack
81301	Plastic Spatula, 6" long	12
81302	Plastic Spatula, 8" long	12



## Plastic Policeman / Spatula



Multi-purpose tool made from polypropylene can be used as a stirrer or spatula.

Item No.	Description	Quantity per pack
81411	Plastic Spatula, 9.5" long, 1/4" diameter	12

## Spatula, Porcelain

Glazed porcelain spatula, with one long flat end, features a knob on the other end for easy grip.

Item No.	Description	Quantity per pack
JST001	Spatula, 20cm (8") long	1



## Spatulas with Spoons, Porcelain



Glazed porcelain spatula with one flat end and one spoon end.

Item No.	Length (mm)	Capacity (ml)	Quantity per pack
JSS001	100	0.1	1
JSS003	125	0.3	1
JSS005	165	0.5	1
JSS010	198	1.2	1
JSS060	260	5.5	1



## Spot Plate, 12 Cavity, Plastic



These economical white polystyrene plates have 12 depressions and are suitable for most applications where glass or porcelain plates are used. They are not recommended for strong solvents such as acetone or xylene. Each plate measures 112 x 92mm. Sold as a pack of 12.

Item No.	Description	Quantity per pack
SPPL12	Spot Plate, 12 Cavity, Plastic	12

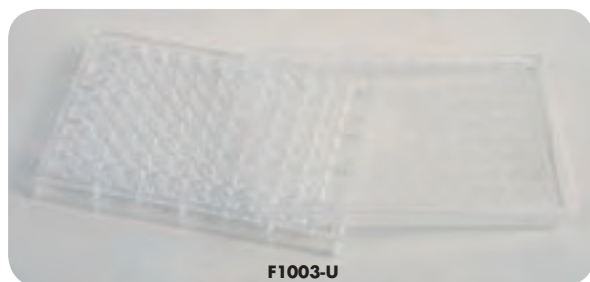
## Spot Plates, Porcelain

Color-reaction or spot plates, glazed except for bottom surface.

Item No.	Number of Wells	Length (mm)	Width (mm)	Quantity per pack
JSC003	3	90	29	1
JSC006	6	94	62	1
JSC012	12	115	88	1
JSC030	30	177	137	1



## Well Plates, Clear Plastic



Clear polystyrene plate features deep uniform wells and include lids. Each well has an alpha-numeric marking. Non-sterile plates are individually wrapped in a plastic bag.

The 24-well plate measures 5" long x 3-1/4" wide x 7/8" high. Flat-bottomed wells are 5/8" deep and approximately 10mm in diameter.

The 96-well plate measures 5" long x 3-1/4" wide x 5/8" high. U-bottomed wells are 7/16" deep and approximately 6mm in diameter.

Item No.	Description	Quantity per pack
F1004	Well Plate, 24 Wells	10
F1003-U	Well Plate, 96 Wells	10

## Streak Plate, Porcelain

Porcelain streak plate, unglazed, for use in hardness testing of rocks and minerals.

Item No.	Length	Width	Thickness	Quantity per pack
JSP001	2.5"	2"	1/8"	1



## Streak Plates, Glass



Designed for use in hardness testing of rocks and minerals, these 1/4" thick glass streak plates are sold as packs of 10.

Item No.	Length	Width	Thickness	Quantity per pack
GLP1X2-P	2"	1"	1/4"	10
GLP2X2-S	2"	2"	1/4"	10
GLP3X2-P	3"	2"	1/4"	10



## Laboratory Jack

Laboratory support jack is constructed of chemically resistant anodized aluminum and stainless steel. The scissor jack design enables height adjustment with a simple turn of the knob. Sturdy design can support loads up to 100 pounds.

Lab jack platform measures 4.5" x 5.5". Platform height can be vertically adjusted from closed position of 2.75" up to 10.5".



Item No.	Description
LBJK01	Laboratory Jack

## Laboratory Jack with Platform and Rod



Laboratory support jack is constructed of chemically resistant anodized aluminum and stainless steel. The scissor jack design enables height adjustment with a simple turn of the knob. Sturdy design can support loads up to 100 pounds.

Lab jack platform measures 4.5" x 5.5". Platform height can be vertically adjusted from closed position of 2.75" up to 10.5".

Set includes a removable 8" x 8" platform that attaches to the lab jack using the included 18" long, 1/2" diameter support rod.

Item No.	Description
LBJSET	Laboratory Jack with removable platform and support rod

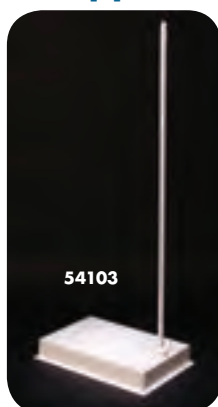
## A-Base and Rod, Cast Iron

The A-shaped base is made of rugged, cast iron and is designed for extra stability. It has 8" long legs with a black enamel finish. The 5" to 7-1/2" opening between the legs is designed for positioning items near the support rod. Includes a removable, zinc-plated steel rod that is 24" long and 1/2" in diameter.



Item No.	Description
SBA724	A-Base and Rod

## Support Stands with Rods, Plastic



Molded polystyrene support stands are ideal for use in applications that require non-corrosive worksurfaces. Heavy, weighted base provides stability similar to metal versions. The removable steel rod is coated with polypropylene to make it non-corrosive.

Item No.	Base Size	Rod Length	Rod Diameter
54101	6" x 9" with side hole	30"	1/2"
54102	8" x 12" with center hole	30"	1/2"
54103	8" x 12" with side hole	30"	1/2"



## Support Stands with Rods, Stamped Steel



Stamped steel bases, with black enamel finish. Includes a removable, zinc-plated steel rod. Bases and Rods are also available individually.

Item No.	Base Size	Rod Length	Rod Diameter
SSB4X6	4" x 6"	18"	5/16"
SSB5X8	5" x 8"	20"	3/8"
SSB6X9	6" x 9"	24"	1/2"
SSB6X1	6" x 11"	36"	1/2"

## Heavy Support Stands with Rods, Stamped Steel



Heavy stamped steel bases with black enamel finish feature an added steel plate on the back, which makes them about 50% heavier than regular stamped steel bases. The steel plate also facilitates a sturdier threading of the rod into the base.

Includes a removable, zinc-plated steel rod. Bases and Rods are also available individually.

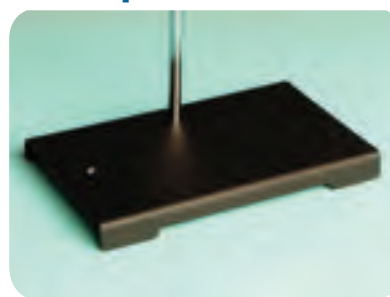
Item No.	Base Size	Rod Length	Rod Diameter
SSB4X6-H	4" x 6"	18"	5/16"
SSB5X8-H	5" x 8"	20"	3/8"
SSB6X9-H	6" x 9"	24"	1/2"
SSB6X1-H	6" x 11"	36"	1/2"

## Two-Hole Support Stands with Rods, Stamped Steel

Stamped steel bases with black enamel finish feature 2 tapped holes. Hole at center of the shorter side is for standard ring stand use. Hole at center of the longer side is for applications such as titrations, specific gravity determinations, etc.

Includes a removable, zinc-plated steel rod. Bases and Rods are also available individually.

Item No.	Base Size	Rod Length	Rod Diameter
SSB4X6-H2	4" x 6"	18"	5/16"
SSB5X8-H2	5" x 8"	20"	3/8"
SSB6X9-H2	6" x 9"	24"	1/2"
SSB6X1-H2	6" x 11"	36"	1/2"



## Support Stands with Rods, Cast Iron



Heavy cast iron bases with black enamel finish. Includes a removable, zinc-plated steel rod.

Item No.	Base Size	Rod Length	Rod Diameter
SSB4X6-CI	4" x 6"	18"	5/16"
SSB5X8-CI	5" x 8"	20"	3/8"
SSB6X9-CI	6" x 9"	24"	1/2"
SSB6X1-CI	6" x 11"	36"	1/2"



## Support Stand and Ring Sets

Each set contains a stamped steel base and a zinc-plated steel rod, along with 2, 3, 4, or 5 cast iron rings with clamps.

Item No.	Base Size	Rod Length	Rod Diameter	Ring Size
SET462	4" x 6"	18"	5/16"	3", 4"
SET583	5" x 8"	20"	3/8"	3", 4", 5"
SET694	6" x 9"	24"	1/2"	3", 4", 5", 6"
SET615	6" x 11"	36"	1/2"	2", 3", 4", 5", 6"



## Triangular Support Stands with Rods, Cast Iron



Heavy cast-iron triangular bases, with black enamel finish. Includes a removable, zinc-plated steel rod.

Item No.	Base Size	Rod Length	Rod Diameter
TSR318	3"	18"	5/16"
TSR420	4"	20"	3/8"
TSR524	5"	24"	1/2"
TSR636	6"	36"	1/2"

## Tripod Stands, Cast Iron

Cast iron ring with black enamel finish. Detachable zinc plated legs are interchangeable for use with various sizes of rings. Rings and legs are also available individually.

Item No.	Ring O.D.	Height
TRS3X6	3.5"	6"
TRS3X9	3.5"	9"
TRS5X8-S	5"	9"
TRS5X8	5"	8"
TRS6X9	6"	9"



## Tripod Stands with Concentric Rings, Cast Iron



Removable concentric rings provide an adjustable worksurface for various applications. Cast iron ring with black enamel finish. Detachable zinc plated legs are interchangeable for use with various sizes of rings. Rings and legs are also available individually.

Item No.	Ring O.D.	Height
TCR6X9	3.5", 4.75", 6.5"	9"
TCR8X9	3.5", 4.75", 6.5", 8"	9"

## Clay Pipe Triangle

Good quality clay pipe mounted on heavy gauge twisted galvanized steel wire.

Item No.	Description
CPT015	Clay Pipe Triangle, 1.5" Side Length
CPT020	Clay Pipe Triangle, 2.0" Side Length
CPT025	Clay Pipe Triangle, 2.5" Side Length
CPT030	Clay Pipe Triangle, 3.0" Side Length







## Support Rings, Cast Iron



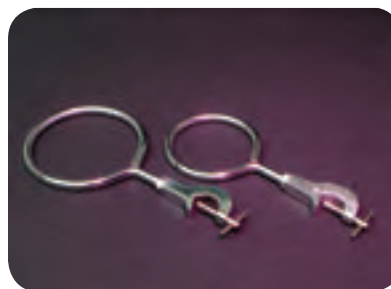
Cast iron, zinc-plated support ring with boss-head clamp and thumbscrew. Distance from support to center of ring is 4-1/2" for all sizes.

Item No.	Description	Quantity per pack
SRCI02	Cast Iron Support Ring, 2" Diameter	5
SRCI03	Cast Iron Support Ring, 3" Diameter	5
SRCI04	Cast Iron Support Ring, 4" Diameter	5
SRCI05	Cast Iron Support Ring, 5" Diameter	5
SRCI06	Cast Iron Support Ring, 6" Diameter	5
SRCI07	Cast Iron Support Ring, 7" Diameter	5

## Support Rings, Steel Rod

Steel rod, zinc-plated support ring with attached boss-head clamp and thumbscrew. Distance from support to center of ring is 4-1/2" for all sizes.

Item No.	Description	Quantity per pack
SRSR02	Steel Rod Support Ring, 2" Diameter	5
SRSR03	Steel Rod Support Ring, 3" Diameter	5
SRSR04	Steel Rod Support Ring, 4" Diameter	5
SRSR05	Steel Rod Support Ring, 5" Diameter	5
SRSR06	Steel Rod Support Ring, 6" Diameter	5
SRSR07	Steel Rod Support Ring, 7" Diameter	5



## Extension Support Rings



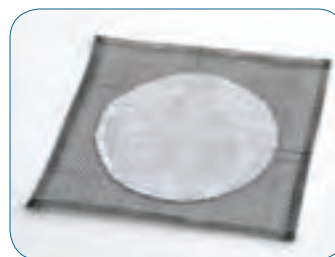
Steel rod, zinc-plated extension support rings. Rod diameter 5/16", overall length 12" for all sizes.

Item No.	Ring Diameter	Quantity per pack
SRSE02	Extension Support Ring, 2" Diameter	1
SRSE03	Extension Support Ring, 3" Diameter	1
SRSE04	Extension Support Ring, 4" Diameter	1
SRSE05	Extension Support Ring, 5" Diameter	1
SRSE06	Extension Support Ring, 6" Diameter	1

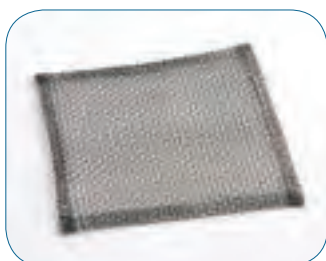
## Wire Gauze with Ceramic Center

Iron wire gauze (24 SWG/10 Mesh) with ceramic coating at the center and folded edges. Contains no asbestos. Sold as packs of 10.

Item No.	Description	Quantity per pack
WGCC44	Wire Gauze with Ceramic Center, 4" x 4"	10
WGCC55	Wire Gauze with Ceramic Center, 5" x 5"	10
WGCC66	Wire Gauze with Ceramic Center, 6" x 6"	10



## Wire Gauze, Plain



Iron wire gauze (24 SWG/10 Mesh) with folded edges. Sold as packs of 10.

Item No.	Description	Quantity per pack
WGPL44	Wire Gauze, Plain, 4" x 4"	10
WGPL55	Wire Gauze, Plain, 5" x 5"	10
WGPL66	Wire Gauze, Plain, 6" x 6"	10



## Glass Stirring Rods

Stirring rods are made of soft flint glass, with both ends fire-polished and rounded.

Item No.	Length / Diameter	Quantity per pack	Quantity per case
GSR005	5" / 3mm	12	144
GSR006	6" / 5mm	12	144
GSR008	8" / 5mm	12	144
GSR010	10" / 6mm	12	144
GSR012	12" / 10mm	12	144
GSR015	15" / 6mm	12	144



## Glass Stirring Rods with Rubber Policeman



Rubber Policeman attached to Glass Rod facilitates scraping and mixing. Stirring rods are made of soft flint glass, with both ends fire-polished and rounded. Policemen are made of natural rubber. Pre-assembled.

Item No.	Length / Diameter	Quantity per pack
GRPLO5	5" / 3mm	12
GRPLO6	6" / 5mm	12
GRPLO8	8" / 5mm	12
GRPL10	10" / 6mm	12
GRPL12	12" / 10mm	12

## Rubber Policeman

Made of natural rubber. Ideal for scraping and mixing applications in the laboratory. Sold as a pack of 12.

Item No.	Description	Quantity per pack
RHGSR1	Rubber Policeman, fits 5mm and 6mm diameter rods	12
RHGSR2	Rubber Policeman, fits 10mm diameter rods	12



## Plastic Stirring Rods

Stirring rods made of polypropylene, with both ends rounded.



Item No.	Length / Diameter	Quantity per pack
81401	10" / 10mm	12
81405	8" / 7mm	12
81406	10" / 7mm	12
81407	12" / 7mm	12



## Rubber Stoppers



These black stoppers are made of solid natural rubber that stays pliable over a long period of time. Ideal for use with nonaggressive or concentrated solutions. Low sulfur content. Withstand temperatures from -13 to 158°F (-25 to 70°C).

Available in solid, one-hole, and two-hole versions. Each stopper has its size marked in raised figures. Sold as one-pound bags.



Rubber stoppers are packaged in convenient one-pound bags.

Item No. Solid	Item No. One-Hole	Item No. Two-Hole	Stopper Size	Approx. No. per Lb.	Hole Size
RST000-S	RST000-H	NA	000	170	NA
RST00-S	RST00-H	NA	00	90	3mm
RST0-S	RST0-H	RST0-H2	0	63	3mm
RST1-S	RST1-H	RST1-H2	1	52	4mm
RST2-S	RST2-H	RST2-H2	2	45	5mm
RST3-S	RST3-H	RST3-H2	3	33	5mm
RST4-S	RST4-H	RST4-H2	4	28	5mm
RST5-S	RST5-H	RST5-H2	5	24	5mm
RST5A-S	RST5A-H	RST5A-H2	5½	21	5mm
RST6-S	RST6-H	RST6-H2	6	18	5mm
RST6A-S	RST6A-H	RST6A-H2	6½	16	5mm
RST7-S	RST7-H	RST7-H2	7	13	5mm
RST8-S	RST8-H	RST8-H2	8	10	5mm
RST9-S	RST9-H	RST9-H2	9	9	5mm
RST10-S	RST10-H	RST10-H2	10	7	5mm
RST10A-S	RST10A-H	RST10A-H2	10½	7	5mm
RST11-S	RST11-H	RST11-H2	11	6	5mm
RST11A-S	RST11A-H	RST11A-H2	11½	6	5mm
RST13-S	RST13-H	RST13-H2	13	4	5mm

## Neoprene Stoppers



Neoprene stoppers can be used in areas where rubber would be attacked by reagents or solvents. Synthetic neoprene stoppers have good resiliency and shelf-life. They withstand petroleum products and oils as well as most inorganic acids and bases. Stoppers are green for easy identification. Sold by the pound.

Item No. Solid	Stopper Size	Approx. No. per Lb.
NST000-S	000	160
NST00-S	00	95
NST0-S	0	68
NST1-S	1	57
NST2-S	2	48
NST3-S	3	35
NST4-S	4	30
NST5-S	5	25
NST5A-S	5½	21
NST6-S	6	19
NST6A-S	6½	16
NST7-S	7	14
NST8-S	8	12
NST9-S	9	10
NST10-S	10	8
NST10A-S	10½	7
NST11-S	11	6
NST11A-S	11½	6
NST13-S	13	4



## Rubber Stopper Assortments

These black stoppers are made of solid natural rubber that stays pliable over a long period of time. Ideal for use with nonaggressive or concentrated solutions. Low sulfur content. Withstand temperatures from -13 to 158°F (-25 to 70°C).

These convenient assortments of various sizes of rubber stoppers are sold as one-pound bags.



Item No.	Description	Sizes
RSTPK1	Rubber Stoppers, Assorted, one pound	1 to 6
RSTPK2	Rubber Stoppers, Solid, one pound	00 to 7
RSTPK3	Rubber Stoppers, 1-Hole, one pound	00 to 7
RSTPK4	Rubber Stoppers, 2-Hole, one pound	2 to 8

## Cork Stoppers



These grade XXX tapered cork stoppers are an excellent choice for general laboratory use. They are effective for both liquid and solid mediums, and offer light weight, resilience and compressibility. Chemically inert and moisture resistant. Sold as packs of 100.

Item No.	Stopper Size	Length (mm)	Top Diameter (mm)	Bottom Diameter (mm)	Quantity per pack
CST000	000	13	6	4	100
CST00	00	13	8	5	100
CST0	0	13	10	7	100
CST1	1	16	11	8	100
CST2	2	17	13	9	100
CST3	3	19	14	10	100
CST4	4	20	16	11	100
CST5	5	22	17	12	100
CST6	6	24	19	13	100
CST7	7	25	21	15	100
CST8	8	27	22	17	100
CST9	9	29	24	18	100
CST10	10	31	25	20	100
CST11	11	31	27	21	100
CST12	12	31	29	22	100
CST13	13	31	30	24	100
CST14	14	31	32	25	100
CST15	15	31	33	27	100
CST16	16	38	35	27	100
CST17	17	38	36	30	100
CST18	18	38	38	31	100
CST19	19	38	40	33	100
CST20	20	38	41	34	100

## Cork Borer Sets

Good quality plated brass cork borers with solid brass handles.

Item No.	Description
CBST06	Cork Borers, Set of 6
CBST09	Cork Borers, Set of 9
CBST12	Cork Borers, Set of 12





## Intermediate Spectrometer



This instrument is easy to set up, easy to use, and is designed to make precise measurements. Features high quality 22mm optics, a built-in illuminated auto-collimator for fast set up, a 17.8cm diameter divided circle with clear graduations, a double-ended vernier with illuminated magnifier reading to 1' resolution, and a 7cm diameter prism table which rotates 360° and adjusts 2cm in height to accommodate various accessories. The spectrometer is supplied with diffraction grating and grating holder, prism, illuminated magnifier, auto-collimation mirror, power supply (for 110VAC), and an instruction manual.

Additional Spectrometer Prisms and Diffraction Gratings are available separately.

Item No.	Description
SPECT02	Intermediate Spectrometer
SPECT02-P	Spectrometer Prism
DFG300	Diffraction Grating

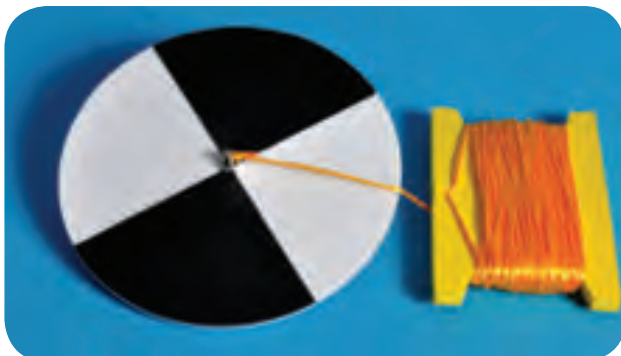
## Water Bath, Stainless Steel

Solid stainless steel water bath measures 8" in diameter x 2.75" deep. Features seven concentric rings, steam escape outlet, flat bottom, and handles. Ideal for a variety of heating applications in the laboratory.

Item No.	Description
WTBH08	Water Bath, Stainless Steel



## Secchi Disk



Good quality and inexpensive Secchi Disk for water clarity measurements. Constructed of robust white plastic disk with permanent screen printed black sectors. Includes attached sinker and rot-proof polymer line on polymer foam bobbin. Line length is approximately 72 feet (22m).

Item No.	Description
SCDSK1	Secchi Disk





## Test Tubes with Rim, Borosilicate Glass

Pre-cleaned borosilicate glass test tubes with rims. Tubes can be used for hot or cold applications, are reusable, and can be autoclaved.

Item No.	O.D. x Length (mm)	Capacity (ml)	Quantity per pack	Quantity per case
TT9800-A	10 x 75	3	72	720
TT9800-B	12 x 75	5	72	720
TT9800-C	12 x 100	8	72	720
TT9800-D	15 x 125	15	72	720
TT9800-E	15 x 150	17	72	720
TT9800-L	16 x 100	14	72	720
TT9800-M	16 x 125	16	72	720
TT9800-F	18 x 150	24	72	720
TT9800-N	20 x 150	36	72	720
TT9800-G	25 x 100	37	72	720
TT9800-H	25 x 150	60	72	288
TT9800-I	25 x 200	75	48	192
TT9800-J	32 x 200	125	50	50
TT9800-K	38 x 200	175	50	50



## Test Tubes without Rim, Borosilicate Glass

Pre-cleaned borosilicate glass test tubes without rims. Tubes can be used for hot or cold applications, are reusable, and can be autoclaved.



Item No.	O.D. x Length (mm)	Capacity (ml)	Quantity per pack	Quantity per case
TT9820-A	10 x 75	3	72	720
TT9820-B	12 x 75	5	72	720
TT9820-C	12 x 100	8	72	720
TT9820-D	15 x 125	15	72	720
TT9820-E	15 x 150	17	72	720
TT9820-F	16 x 100	14	72	720
TT9820-G	18 x 150	24	72	720
TT9820-H	25 x 100	37	72	720
TT9820-I	25 x 150	60	72	288
TT9820-J	25 x 200	75	48	192
TT9820-K	32 x 200	125	50	50
TT9820-L	38 x 200	175	50	50

## Test Tube Baskets, PP

These test tube baskets are made of polypropylene. Autoclavable, unbreakable and non-corrosive baskets are ideal for rinsing and draining glassware. They are also useful for storage of test tubes or culture tubes during sterilization or incubation.

Item No.	Description	Quantity per pack
78101	Test Tube Basket, 140 x 120 x 110 mm	6
78102	Test Tube Basket, 160 x 160 x 160 mm	6





## Probe Thermometer



Thermometers feature 5" long stainless steel probes. Temperatures are shown on a dial display. Includes protective sleeve with pocket clip.

Item No.	Temperature Range	Divisions
THMPR1	25° to 125°F	1°F
THMPR2	-10° to 50°C	1°C
THMPR3	0° to 200°C	2°C
THMPR4	50° to 550°F	5°F

## Dial Thermometer

This versatile 38mm (1-1/2") diameter thermometer features molded plastic dial, with temperature ranges of -20° C to +50° C, and 0° to 120° F, in 1° divisions. Can be mounted on any indoor/outdoor surface, with a nail or two-sided adhesive tape (not included).

Item No.	Description
THMR01	Dial Thermometer, -20°C to 50°C, and 0°F to 120°F



## General Tools Kit



Consists of 6" slip joint pliers, 6.5" long nose pliers, 6" adjustable wrench, 3-piece offset screwdriver set, and a 6-in-1 screwdriver set featuring slotted bits, Phillips bits, and nut drivers.

Item No.	Description
TKIT04	General Tools Kit of 7

## Laboratory Tools Kit

An assortment of the most commonly used laboratory tools, available as one convenient set. Contains one each of following: test tube brush, spatula, crucible tongs, test tube clamp, lab scoop, and forceps.

Item No.	Description
LSET6	Laboratory Tools Kit (6 pieces)



## Triangular File



Triangular file has a tapered shape, and is mounted on a hardwood handle for easy gripping. For general laboratory use, including to score glass before cutting.

Item No.	Description	Overall Length
TRF004	4" Triangular File	7"
TRF005	5" Triangular File	8"
TRF006	6" Triangular File	9"
TRF008	8" Triangular File	11"



## Laboratory Tray, PP

Multi-purpose polypropylene molded trays can be used for sterilizing, drying glassware, porcelain ware, and other laboratory supplies. These steam autoclavable trays have tapered walls designed for nesting.

Item No.	Description	Quantity per pack
81701	Laboratory Tray, PP, 18" x 14" x 3"	10
81702	Laboratory Tray, PP, 15" x 12" x 3"	10



## Utility Tray, PP



Steam autoclavable, polypropylene molded tray can be used for sterilizing and drying labware. 5" depth makes this tray ideal for storage of labware.

Item No.	Description	Quantity per pack
81721	Utility Tray, PP, 15" x 14" x 5"	6

## Carrier Tray, PP

Steam autoclavable, polypropylene molded tray has a built-in handle for easy carrying of reagent bottles or other laboratory ware using one hand. Overall depth including the handle is 6". Trays are nestable for easy storage when empty.

Item No.	Description	Quantity per pack
81731	Carrier Tray, PP, 15" x 9.5" x 4.5"	6



## Draining Tray, PP



This polypropylene basket with wide, net-like structure on all sides is useful for post-wash draining of laboratory apparatus. Autoclavable.

Item No.	Description	Quantity per pack
78103	Draining Tray, PP, 16" x 16" x 4"	6

## Laboratory Tray, Flat, PP

Flat polypropylene trays are ideal for containing small spills, and to serve as a drip pan. Economical trays measuring 15" x 11.5" are versatile for general laboratory use. Autoclavable. Solds as packs of 10.

Item No.	Description	Quantity per pack
LTRAY1	Laboratory Tray, Flat, PP, 15" x 11.5"	10





## Stopcocks

These leakproof, economical polypropylene stopcocks have a PTFE plug and serrated ports that accept tubing from 6mm to 10mm in diameter. Available in 2-way and 3-way versions.



Item No.	Description
55301	Stopcock, 2-way, pk/6
55302	Stopcock, 3-way, pk/6

## Connectors, Y-shaped, PP

Polypropylene Y-shaped connectors with serrated ends are ideal for leak-proof tubing connections. Autoclavable.

Item No.	Description	Quantity per pack
46112	Y-Connector, for 6mm tubing	12
46114	Y-Connector, for 8mm tubing	12
46116	Y-Connector, for 10mm tubing	12



## Connectors, T-shaped, PP

Polypropylene T-shaped connectors with serrated ends are ideal for leak-proof tubing connections. Autoclavable.



Item No.	Description	Quantity per pack
46111	T-Connector, for 6mm tubing	12
46113	T-Connector, for 8mm tubing	12
46115	T-Connector, for 10mm tubing	12

## Connectors, Four-way, PP

Polypropylene cross-shaped connectors with serrated ends are ideal for leak-proof tubing connections. Autoclavable.

Item No.	Description	Quantity per pack
46121	Four-way Connector, for 6mm tubing	12
46122	Four-way Connector, for 8mm tubing	12
46123	Four-way Connector, for 10mm tubing	12



## Connectors, L-shaped, PP

Polypropylene L-shaped connectors with serrated ends are ideal for leak-proof tubing connections. Autoclavable.



Item No.	Description	Quantity per pack
46131	L-Connector, for 6mm tubing	12
46132	L-Connector, for 8mm tubing	12
46133	L-Connector, for 10mm tubing	12



## Tuning Forks

Made of aluminum alloy. The frequency and scale letter is stamped on each fork.

Item No.	Frequency (Hz)	Note
TFK100	100	-
TFK128	128	C
TFK256	256	C'
TFK288	288	D'
TFK320	320	E'
TFK341	341.3	F'
TFK384	384	G'
TFK426	426.6	A'
TFK480	480	B'
TFK512	512	C''
TFK640	640	E''
TFK1024	1024	C'''
TFK2048	2048	C''''
TFK4096	4096	C'''''



## Tuning Fork Sets



Convenient assortments of tuning forks. Made of aluminum alloy. The frequency and scale letter is stamped on each fork. Set of 8 includes a storage box.

Item No.	Description
TFSET8	Set of 8 - 256 to 512
TFSET13	Set of 13 - 100 to 4096

## Tuning Fork Mallet with Rubber Striker

Economical mallet for striking tuning forks includes a spherical hard rubber head on a hardwood handle.

Item No.	Description
TFWHAM	Tuning Fork Mallet with Rubber Striker



## Tuning Fork Mallet with Acrylic/Rubber Striker



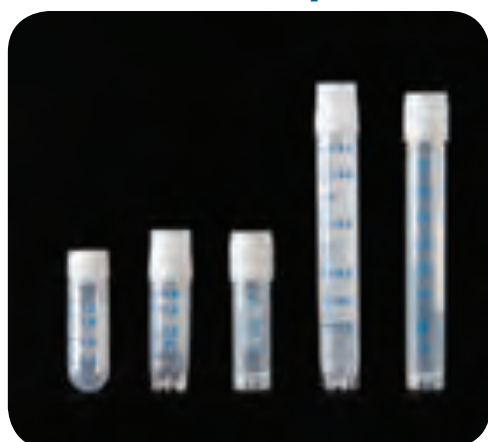
Specially designed mallet for striking tuning forks includes an acrylic head with a rubber end mounted on a metal rod with an easy-grip wooden handle.

Item No.	Description
TFHAMR	Tuning Fork Mallet with Acrylic/Rubber Striker





## Cryo Vial External Threaded, Sterile, PP



Cryo vials are designed for storage of samples as low as  $-196^{\circ}\text{C}^*$ . DNase, RNase, and Pyrogen-free. Radiation sterilized. Polypropylene vials feature a large white frosted labeling area, silk screen graduations, and a leak-proof HDPE cap. Skirted base vials have an internal flat bottom. Star base and round base vials have an internal U-shaped bottom. Self-standing star base vials are designed for one-handed use with a support rack.

\*Not recommended for use in the liquid phase of liquid nitrogen. Can be used in vapor phase of liquid nitrogen.

Item No.	Description	Outer Diameter (mm)	Height (mm)	Quantity per pack
P60102	Cryo Vial, 1.8ml Skirted Base	11.8	47.2	1000
P60116	Cryo Vial, 1.8ml Star Base	12	48.5	1000
P60117	Cryo Vial, 1.8ml Round Base	12	47.5	1000
P60103	Cryo Vial, 4.5ml Skirted Base	11.8	88	500
P60118	Cryo Vial, 4.5ml Star Base	12	91.5	500
P60119	Cryo Vial, 4.5ml Round Base	12	90.5	500

## Cryo Vial Internal Threaded, Sterile, PP

Cryo vials are designed for storage of samples as low as  $-196^{\circ}\text{C}^*$ . DNase, RNase, and Pyrogen-free. Radiation sterilized. Polypropylene vials include a cap embedded with a non-toxic silicone O-ring for a secure seal, a large white frosted labeling area, and silk screen graduations. Star base and round base vials have an internal U-shaped bottom. Self-standing star base vials are designed for one-handed use with a support rack.

\*Not recommended for use in the liquid phase of liquid nitrogen. Can be used in vapor phase of liquid nitrogen.

Item No.	Description	Outer Diameter (mm)	Height (mm)	Quantity per pack
P60109	Cryo Vial, 1.8ml Star Base	12.3	47.5	500
P60110	Cryo Vial, 1.8ml Round Base	12.3	46.2	500
P60112	Cryo Vial, 4.5ml Star Base	12.3	90.3	250
P60113	Cryo Vial, 4.5ml Round Base	12.3	89.0	250



## Cryo Coders for Star and Round Base Vials, HDPE



Designed to fit onto the top of our star and round base cryogenic vial closures. Provide quick visual identification of specific vials for ease in organizing inventory. Available in a range of colors. Compatible with all of our cryo vials except P60102 and P60103 skirted base cryo vials.

Item No.	Color	Quantity per pack
P60114W	White	100
P60114B	Blue	100
P60114R	Red	100
P60114Y	Yellow	100
P60114G	Green	100

## Cryo Coders for Skirted Base Vials, HDPE

Designed to fit onto the top of our skirted base externally threaded cryogenic vial closures. Provide quick visual identification of specific vials for ease in organizing inventory. Available in a range of colors. Compatible with P60102 and P60103 skirted base cryo vials.

Item No.	Color	Quantity per pack
P60104W	White	100
P60104B	Blue	100
P60104R	Red	100
P60104Y	Yellow	100
P60104G	Green	100



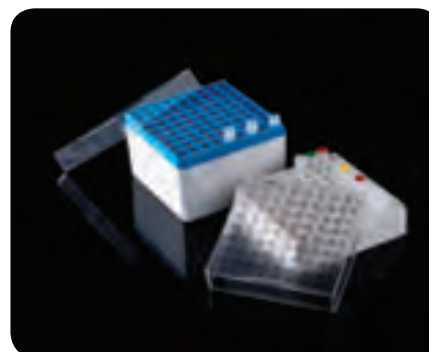


## Cryo Storage Box, PC

Cryo storage boxes are designed for storage of samples as low as -196°C\*. Hold both internal and external threaded cryogenic vials. Autoclavable.

These boxes provide a small, space-efficient storage system within a freezer. The transparent lid features a numbered grid for easy identification of contents. Designed to hold up to 81 vials in a 9 x 9 array.

\*Not recommended for use in the liquid phase of liquid nitrogen. Can be used in vapor phase of liquid nitrogen.



Item No.	Fits vial sizes (ml)	Places	L x W x H (mm)	Quantity per pack
P20602	1 and 1.8	81	133 x 132 x 54	4
P20603	4.5	81	133 x 132 x 97	4

## Cryo Storage Box, PP



Cryo storage boxes are designed for storage of samples as low as -90°C. Hold both internal and external threaded cryogenic vials as well as storage vials. Autoclavable.

These stackable boxes provide a small, space-efficient storage system within a freezer. Include a transparent hinged lid with a secure locking closure and a numbered and lettered grid for easy identification of contents. Designed to hold up to 100 vials in a 10 x 10 array.

Item No.	Fits vial sizes (ml)	Places	L x W x H (mm)	Quantity per pack
P20607	1.5, 2.0 Microtubes, 1.0, 1.8 Cryo vials	100	140 x 140 x 55	4

## RIA Vial and Cap

RIA vials are generally used in radioimmunoassay - a scientific method used to test antigens without the need to use a bioassay.

The polypropylene vials are translucent and can withstand 3000 RCF during centrifugation. Can be used with common acids, alkalis, and solvents at room temperature. Autoclavable.

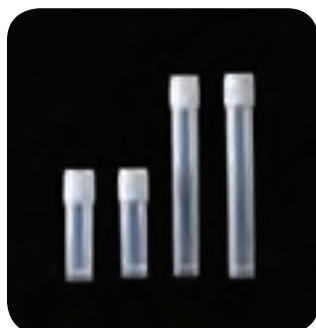
The polystyrene vials are transparent and can withstand 1400 RCF during centrifugation. Can be used with mild bases and weak acids, but not organic solvents. Non-autoclavable.

Caps are sold separately and are compatible with both versions of vials.



Item No.	O.D. (mm)	Height (mm)	Material	Quantity per pack
P10301	12	75	Polypropylene	500
P10303	12	75	Polystyrene	500
<b>RIA Vial Cap</b>				
P10304	12		HDPE	500

## Storage Vial, PP



Storage vials are designed for use with samples from -80°C to 121°C. DNase, RNase, and Pyrogen-free. Used for storage of PCR reagents, enzymes and other diagnostics, biochemical reagents or samples.

Polypropylene vials feature a large white frosted labeling area, silk screen graduations, and a leak-proof HDPE cap.

Item No.	Capacity (ml)	Outside Diameter (mm)	Height (mm)	Quantity per pack
P60106	2.0	11.80	47.2	1000
P60107	5.0	11.80	88	1000



## Weight Set, Stainless

Good quality weight set contains 9 weights (1 each of 1g, 5g, 10g, 50g and 100g sizes, and 2 each 2g and 20g sizes) plus a set of 1 to 500 mg fractional weights and a 5mg rider and forceps, in a wooden storage box. Weights are made of polished stainless steel and each weight is inscribed with its capacity.

Item No.	Description
AWSS09	Weight Set, 1-100 grams, stainless steel

## Deluxe Slotted Weight Set of 8

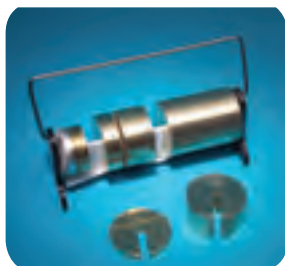
Includes rack and eight brass weights, 1 x 500g, 2 x 200g, 1 x 100g, 1 x 50g, 2 x 20g, 1 x 10g,

Item No.	Description
WHST08	Deluxe Slotted Weight Set of 8



## Deluxe Slotted Weight Set of 12

Includes rack and twelve brass weights, 1 x 500g, 2 x 200g, 1 x 100g, 1 x 50g, 2 x 20g, 1 x 10g, 1 x 5g, 2 x 2g, 1 x 1g.



Item No.	Description
WHST12	Deluxe Slotted Weight Set of 12

## Slotted Weight Set of 10

Includes rack and ten brass weights, 1 x 500g, 5 x 100g, 1 x 50g, 2 x 20g, 1 x 10g.

Item No.	Description
WHST10	Slotted Weight Set of 10



## Slotted Weight Set of 13

Includes hanger, case, and 13 brass weights, 1 x 50g, 9 x 20g, 1 x 10g, 2 x 5g.



Item No.	Description
WHST13	Slotted Weight Set of 13



## Hooked Weight Set, Brass

These weights feature flat countersunk bottoms, with a double-ended hooked rod through the middle. They can be used on balance pans, as well as hooked in tandem for lever arm studies. Set of 9 weights consisting of 1 each 10g, 50g, 100g, 500g, 1,000g, and 2 each 20g, 200 gram weights. Weights are made of polished brass and come in a storage block. Replacement weights are available separately.



Item No.	Description
WHSET9	Hooked Weight Set, Brass

## Hooked Weight Sets, Stainless Steel



Individually calibrated weights made of high quality stainless steel. Both sets come with a sturdy plastic storage block. Set of 9 includes 1 each of 5g, 10g, 50g, 100g, and 500g, plus 2 each of 20g and 200g weights. Set of 10 includes all of the above, plus 1 each 1000g weight.

Item No.	Description
WSST09	Hooked Weight Set of 9, Stainless Steel
WSST10	Hooked Weight Set of 10, Stainless Steel

## Hooked Weight Set, Black Enamel

Set of 9 weights consisting of 1 each 10g, 50g, 100g, 500g, 1000g, and 2 each 20g and 200 gram weights. Weights are made of cast iron with a black enamel finish and come with a sturdy plastic storage box. Weights can be hooked in tandem.



Item No.	Description
WHSBE9	Hooked Weight Set, Black Enamel

## Weight Hangers, Brass



For use with slotted weights. Each brass hanger weighs 50g. Stem length is 11.5 cm.

Item No.	Description
WHNG50B	Weight Hanger, 50g, Brass

- We guarantee our merchandise against defects in materials or workmanship, for one year from date of shipping.
- Products are normally available for immediate shipment from inventory. Deliveries for large orders are made as per prearranged lead times.
- We would be glad to quote on custom products manufactured exclusively for you. We also offer customized products with your name and/or logo.
- If you receive a shipment in damaged condition, please notify the carrier immediately. Also, contact us to obtain instructions for returning damaged goods.
- There is a 20% re-stocking fee for merchandise returned in good condition.
- Terms - net 30 days with approved credit.



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