

## New & Top Selling Products

# Multi-Channel Pipetting

Prepare | Process | Sequence | Store



## Catalog No. description

- 1 F37860-0000 Deep-Well Plate; 96 Places, 2ml, Polypropylene, 5 x 3¾ x 1½ in. (Pack of 24)
- F37860-0001 Deep-Well Plate; Sterile, 96 Places, 2ml, Polypropylene, 5 x 3¾ x 1½ in. (Pack of 24)
- F37860-0004 Cover for 96 Deep-Well Plate; Polypropylene (Pack of 24)
- F37860-0005 Side Loader Collar for 96 Deep-Well Plate; Compatible with Beckman Biomek Systems (Pack of 24)
- 2 F18765-0001 Poxgrid Test Tube Rack; For 13-16mm Tubes, 96 Places
- 3 F37882-0000 "Three-In-One" Multi-Channel Pipette Reservoirs; Polypropylene, 12-Channel, 8-Channel, Open Trough (Pack of 10)
- 4 F37873-0000 Transpette Non-Sterile Low-Density Polyethylene 8 Channel Disposable Transfer Pipettor (Pack of 25)
- F37873-0001 Transpette Sterile Low-Density Polyethylene 8 Channel Disposable Transfer Pipettor (Pack of 100)
- 5 F37880-1200 Polypropylene 12 Channel Reagent Reservoirs; 5 x 2¼ x 1¼ in. (Pack of 8)
- 6 F18845-0031 Microcentrifuge Tube Rack; For 0.5 or 1.5-2.0ml Tubes, 96 Places, Assorted Colors (Pack of 5)\*
- F18845-0018 Microcentrifuge Tube Rack; For 0.5 or 1.5-2.0ml Tubes, 96 Places, Assorted Fluorescent Colors (Pack of 5)\*
- 7 F18902-0005 PCR Rack; for 0.2ml Tubes, 96 Places, Assorted Colors (Pack of 5)\*

\*All colors are also sold individually



*Bel-Art | FTS | Genevac | Hotpack | Hull | i-Dositecno | Service | Virtis | Wilmad-LabGlass*

Research, industry and healthcare professionals throughout the world rely on SP Industries' synergistic collection of fill-finish drug manufacturing solutions, freeze dryers, durable benchtop equipment, laboratory apparatus and scientific glassware to keep their manufacturing and research running smoothly and efficiently. Learn more about all of the SP brands at [ScientificProducts.com](http://ScientificProducts.com)

This catalog features new and top selling labware, glassware, and life science benchtop equipment from the SP Industries, Inc. brands - SP Bel-Art, SP Wilmad-LabGlass, SP Hotpack, SP FTS, and SP Genevac. For more product information or to order products, individual contact information for each brand can be found in the footer of the corresponding page, or on the back cover in more detail.

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## Poxygrid® Bench-Top Biohazard Bag Holder Kit

### Handy Benchtop Disposal for Labs and Medical Offices

- Perfect for collecting pipette tips, microcentrifuge tubes, etc. during daily use
- Holds a 22 x 28cm (8½ x 11") polyethylene biohazard bag (F13166-0000)
- Cover provides compliance with OSHA 29 CFR 1910.1030(d)(2)(xiii)(A)



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| Catalog No. | Description                                     |
|-------------|-------------------------------------------------|
| F13193-0500 | Kit - Includes Bag Holder, Cover & Bags (100pk) |

Visit [www.sp-belart.com](http://www.sp-belart.com) for replacement bags, frame and cover.



## Benchtop Biohazard Disposal Can with Motion Sensor Lid

### Hands-Free Operation for Biohazard Waste

- Contains odors; perfect for small items such as pipette tips and microcentrifuge tubes
- Lid automatically opens and closes for hands-free use
- Holds a 25 x 25cm (10 x 10") autoclavable biohazard disposal bag (F13166-0000 or H13182-1010)

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| Catalog No. | Dimensions (Diam. x H)        | Capacity |
|-------------|-------------------------------|----------|
| H13194-1011 | 12.4 x 17cm (4 7/8 x 6 7/10") | 1.5L     |



## Biohazard Incinerator Cartons



### Contain Biohazardous Waste Slated for Incineration

- Tabs along top edge keep a clear 0.038mm (1.5 mil) thick polyethylene biohazard bag from slipping out of place
- Printed with large, bright, biohazard graphics and instructions in four languages (English, Spanish, French, German)
- Optional, reusable, sanitary cover (F13204-0000) for floor model sold separately



| Catalog No. | Model                                        | Dimensions (L X W X H)               | Quantity / Pack |
|-------------|----------------------------------------------|--------------------------------------|-----------------|
| F13205-0001 | Floor                                        | 30.5 x 30.5 x 68.5cm (12 x 12 x 27") | 6               |
| F13205-0002 | Benchtop                                     | 19.6 x 19.6 x 25.4cm (8 x 8 x 10")   | 6               |
| F13204-0000 | Optional Polypropylene Cover for Floor Model | 31.5 x 31.5cm (12½ x 12½")           | 1               |

## Disposal Cartons For Glass



### Contain Broken Glass Fragments and Spilled Liquids

- When full, lift flap opening to a closed position and entire unit is ready for disposal
- Printed with eye-catching graphics in four languages (English, German, French, Spanish)
- Optional, reusable cover (F13204-0001) for floor model sold separately

| Catalog No. | Model                                  | Dimensions (L X W X H)         | Quantity / Pack |
|-------------|----------------------------------------|--------------------------------|-----------------|
| F24653-0001 | Floor                                  | 30 x 30 x 69cm (12 x 12 x 27") | 6               |
| F24653-0002 | Benchtop                               | 20 x 20 x 25cm (8 x 8 x 10")   | 6               |
| F13204-0001 | Optional Plastic Cover for Floor Model | 31.5 x 31.5cm (12½ x 12½")     | 1               |

## sidENTRY™ Glove Box

### Large Access Door for Materials and Equipment

- Portable design - small enough to move wherever it's needed
- Gas purging of the glove box is possible via the supplied and easily assembled stopcock
- Select from bellows type glove, economy sleeved glove, seamless sleeved glove or the iris port for hand entry, all sold separately



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| Catalog No. | Dimensions (L X W X H)           | Volume                | Door Opening (W X H)       |
|-------------|----------------------------------|-----------------------|----------------------------|
| H50026-0000 | 76.2 x 61 x 61cm (30 x 24 x 24") | 283.2L (17280cu. in.) | 44.5 x 44.5cm (17½ x 17½") |

## Large Weighted Safety Shields

### Highest Impact Resistance of All Transparent Shield Materials

- Stable, three-sided construction provides front and side protection against flying debris
- Shields meet High Mass Impact Test and High Velocity Impact Test as defined by ANSI Z87.1, sections 9.11 and 9.12, respectively

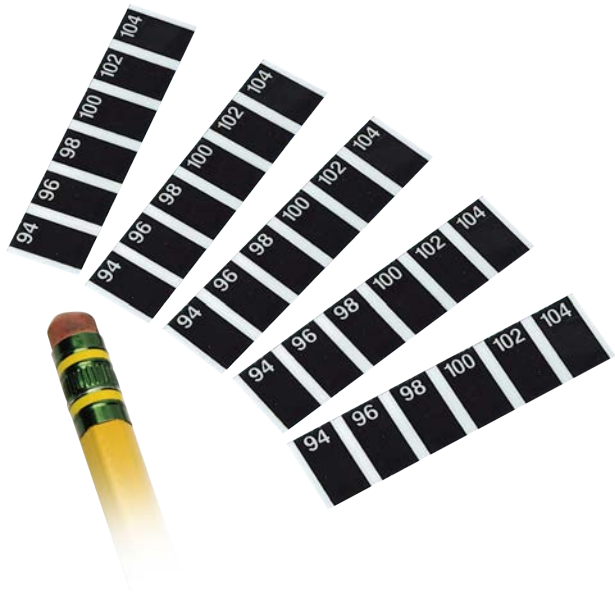
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| Catalog No. | Height     | Outside Base Dimensions(W x D) | Weight         |
|-------------|------------|--------------------------------|----------------|
| H24962-0000 | 76cm (30") | 50 x 17cm (19½ x 6½")          | 8.4kg (18.5lb) |
| H24964-0000 | 91cm (36") | 50 x 17cm (19½ x 6½")          | 8.9kg (19.6lb) |



## H-B® DURAC® Liquid Crystal Disposable Forehead Stick-On Thermometer Strip



### Fast and Reliable Method to Monitor Temperature

- Easy to use, non-invasive body temperature measurement ideal for workforce personnel
- Color-coded readings for quick evaluation
- Can be self-applied to maintain social distancing
- Latex-free

| Catalog No. | Range    | Accuracy | Divisions | Length      | Quantity / Pack |
|-------------|----------|----------|-----------|-------------|-----------------|
| B62010-0000 | 94/104°F | ±1°F     | 2°F       | 45mm (1.8") | 100             |

## Full Coverage Face Shields with Anti-Fog

**NEW**



### Protects Against Exposure to Bodily Fluids and Infectious Materials

- Large, wrap-around design provides coverage of entire face with unrestricted visibility
- Helps protect the face from potential hazards such as dust, dirt, pathogens, sprays and fluids
- Disposable shield; single use only

Full Coverage Face Shields with Anti-Fog have not been FDA cleared or approved. The product has been authorized by FDA under an EUA for use by healthcare providers as personal protective equipment. This product is only authorized for the duration of the declaration that circumstances justifying the authorization of emergency use under Section 564(b)(1) of the Act, 21 USC 360bbb-3(b)(1) unless the authorization is terminated or revoked sooner.

| Catalog No. | Type                                                                   | Height    | Width      | Thickness | Quantity / Pack |
|-------------|------------------------------------------------------------------------|-----------|------------|-----------|-----------------|
| H24874-0000 | Adjustable 1.5cm (5/8") wide elastic strap                             | 23cm (9") | 38cm (15") | 0.19mm    | 20              |
| H24874-1000 | CE marked, anti-static, latex-free, riveted 1.9cm (3/4") elastic strap | 23cm (9") | 33cm (13") | 0.36mm    | 20              |

## Labmat™ Bench Liner Rolls & Sheets

### Protect Your Benchtop

- Speeds clean-up and safeguards work surfaces from stains, spills and wear
- Highly absorbent upper surface traps up to 420ml/m<sup>2</sup> of water, dyes, corrosive chemicals or radioactive solutions



| Catalog No. | Description                                            |
|-------------|--------------------------------------------------------|
| F24675-0000 | White 50ft. roll                                       |
| F24675-0020 | Cut Sheets, box of 100 – White, 50.8 x 61cm (20 x 24") |
| F24675-1000 | Safety Orange for biohazard designated use. 50ft. roll |

## Clavies® Biohazard Autoclave Gloves

### Safely Unload Your Autoclave

- Heat-resistant up to 232°C (450°F); replace hazardous asbestos gloves
- Gauntlets in two lengths provide wrist and forearm protection
- Machine wash, air dry, or use the Lab-Aire® II Glove Holder (F18931-0000) to dry on any Lab-Aire® dryer



| Catalog No. | Gauntlet Length | Overall Length | Quantity / Pack |
|-------------|-----------------|----------------|-----------------|
| H13201-0000 | 13cm (5")       | 33cm (13")     | 1 Pair          |
| H13201-0001 | 28cm (11")      | 47cm (18.5")   | 1 Pair          |

## Trigger Sprayers w/ 53mm Adapters

### Adjustable Sprayer for Wash Bottles

- For adjustable spray dispensing of a wide range of chemicals including bleach, ethanol, machine oil and water
- Will not corrode with repeated exposure to 10% bleach disinfecting solution
- Fits SP Bel-Art bottles with 53mm wide closure when utilizing included adapter and most bottles with a 28mm closure



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Product Video:  
[bit.ly/37WWVuS](https://bit.ly/37WWVuS)



| Catalog No. | Description                         | Quantity / Pack |
|-------------|-------------------------------------|-----------------|
| F11620-0050 | Trigger Sprayers with 53mm Adapters | 2               |

## GHS Labeled Right-to-Know, Safety-Vented Wash Bottles

### Satisfy Requirements of GHS and OSHA HazCom 2012 for Workplace Labeled Containers

- Pre-printed with chemical name and formula, GHS pictogram and signal word\*, NFPA Section 704 Four-color Diamond, health hazards, CAS number, and suggested protective clothing and equipment
- Unique valve\*\* prevents pressure build-up eliminating potentially dangerous chemical drips
- Wide mouth 53mm (2") bottle for easy refilling

\* Bottles with labels that do not indicate a hazardous chemical do not have/require GHS pictogram or signal word

\*\*Methyl Ethyl Ketone and Toluene do not include vented valve



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LDPE PP MADE IN USA

| Catalog No. | Label                        | Capacity | Bottles / Pack | Catalog No. | Label                        | Capacity | Bottles / Pack |
|-------------|------------------------------|----------|----------------|-------------|------------------------------|----------|----------------|
| F12416-0001 | Acetone                      | 500ml    | 4              | F12416-0016 | Toluene**                    | 500ml    | 4              |
| F12416-0002 | Dichloromethane              | 500ml    | 4              | F12416-0017 | Water*                       | 500ml    | 4              |
| F12416-0003 | Deionized Water*             | 500ml    | 4              | F12416-0019 | Ethanol                      | 500ml    | 4              |
| F12416-0004 | Distilled Water*             | 500ml    | 4              | F12416-0050 | Assortment (4pc)             | 500ml    | 4              |
| F12416-0007 | Ethyl Acetate                | 500ml    | 4              | F12432-0001 | Acetone                      | 1000ml   | 2              |
| F12416-0008 | Isopropanol                  | 500ml    | 4              | F12432-0004 | Distilled Water*             | 1000ml   | 2              |
| F12416-0010 | Machine Oil                  | 500ml    | 4              | F12432-0008 | Isopropanol                  | 1000ml   | 2              |
| F12416-0011 | Methanol                     | 500ml    | 4              | F12432-0011 | Methanol                     | 1000ml   | 2              |
| F12416-0012 | Methyl Ethyl Ketone**        | 500ml    | 4              | F12432-0015 | Sodium Hypochlorite (Bleach) | 1000ml   | 2              |
| F12416-0013 | Isotonic Saline*             | 500ml    | 4              | F12432-0019 | Ethanol                      | 1000ml   | 2              |
| F12416-0015 | Sodium Hypochlorite (Bleach) | 500ml    | 4              | F12432-0050 | Assortment (4pc)             | 1000ml   | 4              |

## Dispensing Jug

### Dispense Directly from 5 Gallon Graduated Jug without Lifting or Moving

- Gasketed and threaded LDPE spigot extends 125mm from jug; features a 35mm long stem for dispensing
- Graduations on side and top - fluid volume can be seen regardless of orientation
- Top opening is 70mm I.D. for fast re-filling



HDPE LDPE

| Catalog No. | Capacity   | Top Opening I.D. |
|-------------|------------|------------------|
| H11850-0000 | 20L (5gal) | 70mm             |

## Tall Form Graduated Pitchers

### Shatterproof Polypropylene

- Use with wet or dry ingredients
- Chemical resistant and shatterproof
- Metric gradations molded on outside wall
- Heat resistant to 121°C (250°F)



PP A

| Catalog No. | Capacity       | Graduation | Height        | Top O.D.      | Bottom O.D.  |
|-------------|----------------|------------|---------------|---------------|--------------|
| F28989-0000 | 250ml          | Every 5ml  | 11.9cm (4¾")  | 7.2cm (2⅞")   | 5.7cm (2¼")  |
| F28990-0000 | 500ml          | 10ml       | 13.3cm (5¼")  | 9.5cm (3¾")   | 7.6cm (3")   |
| F28991-0000 | 1000ml         | 10ml       | 16.5cm (6½")  | 12.3cm (4⅞")  | 9.8cm (3⅞")  |
| F28992-0000 | 2000ml         | 20ml       | 21.5cm (8½")  | 15cm (5⅞")    | 11.6cm (4½") |
| F28993-0000 | 3000ml         | 50ml       | 26.6cm (10¾") | 16.2cm (6⅜")  | 12.4cm (4⅞") |
| F28994-0000 | 5000ml (5L)    | 100ml      | 27.2cm (10¾") | 21cm (8¼")    | 16.5cm (6½") |
| F28995-0000 | 10,000ml (10L) | 200ml      | 32.0cm (12⅝") | 26.9cm (10⅝") | 22.3cm (8¾") |

## Stainless Steel Pharma Scoops

**NEW**



### Seamless Design for Peace of Mind

- Reusable, high-quality scoops for powder and granules
- Pharmaceutical grade 316 stainless steel
- Easy to clean seamless design helps prevent cross-contamination
- High salt and acid resistance, ideal for food sampling
- GMP compliant

⚠ See page 49



| Catalog No. | Nominal Capacity | Bowl Length  | Bowl Diameter | Overall Length |
|-------------|------------------|--------------|---------------|----------------|
| F36738-0010 | 10ml (0.4oz)     | 4.5cm (1¾")  | 2.5cm (1")    | 7.5cm (3")     |
| F36738-0050 | 50ml (2oz)       | 7.0cm (2¾")  | 3.8cm (1½")   | 11.0cm (4¾")   |
| F36738-0100 | 100ml (3oz)      | 10.0cm (4")  | 5.0cm (2")    | 18.0cm (7½")   |
| F36738-0500 | 500ml (17oz)     | 14.0cm (5½") | 9.5cm (3¾")   | 24.0cm (9½")   |
| F36738-0750 | 750ml (25oz)     | 21.0cm (8¼") | 9.5cm (3¾")   | 33.0cm (13")   |
| F36738-1000 | 1000ml (34oz)    | 23.5cm (9¼") | 11.0cm (4¾")  | 34.0cm (13¾")  |
| F36738-1250 | 1250ml (42oz)    | 19.5cm (7¾") | 12.5cm (4¾")  | 30.5cm (12")   |
| F36738-1700 | 1700ml (58oz)    | 23.0cm (9")  | 13.5cm (5¾")  | 35.5cm (14")   |
| F36738-2500 | 2500ml (85oz)    | 21.5cm (8½") | 18.5cm (7¼")  | 32.0cm (12¾")  |

## Stainless Steel Economy Scoops

**NEW**



### Reusable to Help Reduce Waste

- Low-cost, high-quality scoop ideal for general laboratory use
- High sides to prevent spillage
- Useful in applications with limited salt exposure
- Stainless steel grade 304

⚠ See page 49



| Catalog No. | Nominal Capacity | Bowl Diameter | Overall Length |
|-------------|------------------|---------------|----------------|
| F36739-1000 | 1000ml (34oz)    | 10.5cm (4¼")  | 30.5cm (12")   |
| F36739-1500 | 1500ml (51oz)    | 12.0cm (4¾")  | 34.0cm (13¾")  |
| F36739-2000 | 2000ml (68oz)    | 15.0cm (5¾")  | 37.5cm (14¾")  |

## All Sterileware® Sample Handling Tools Are:

- Made from FDA and EU conforming materials; safe for food, drug and cosmetic use
- Gamma irradiated sterile (SAL 10<sup>-6</sup>)
- Heat sealed in individual polyethylene bags
- Lot stamped for accurate tracing; shipped with a Certificate of Processing for Sterilization

**NEW**

### Sterileware® Oval Sampling Spoons

Small Sample Collection; Long Handle Reach



### Sterileware® Extra-Long, Bent Handle Spoons

Keeps Hands Safely Away from Samples



### Sterileware® Volumetric Sampling Spoons

Sterile Spoons for Volume Measurement



### Sterileware® Flat Bottom Sampling Scoops

Useful as a Weigh Boat or for Volume Measurements



### Sterileware® White Pharma Scoops

High Handle Keeps Hand Further from Sample



### Sterileware® Red Pharma Scoops

Brightly Colored to Stand Out



For details on these Sterileware® products and more, check out the full line sample handling catalog in the Product Resource Center on [sp-belart.com](http://sp-belart.com)

**NEW**



## Sterileware® Powder Lance Sampler

**Insert, Rotate, and Withdraw for Cohesive Powder Sampling**



## Sterileware® Powder Probe Sampler

**Free-Flowing Powder Sampler**



## Sterileware® Powder Thieves

**Sample from Within Bulk Powders**



## Sterileware® Cupped Powder Spatulas

**Holds Sample Within the Blade**



## Sterileware® Powder Funnels

**Sterile Funnel for QC Powder Transfer**



## Sterileware® Liquid Thieves

**Easily Sample Low Viscosity Liquids**

For details on these Sterileware® products and more, check out the full line sample handling catalog in the Product Resource Center on [sp-belart.com](http://sp-belart.com)

## All Sterileware® Sample Handling Tools Are:

- Made from FDA and EU conforming materials; safe for food, drug and cosmetic use
- Gamma irradiated sterile (SAL 10<sup>-6</sup>)
- Heat sealed in individual polyethylene bags
- Lot stamped for accurate tracing; shipped with a Certificate of Processing for Sterilization

**NEW**

## Sterileware® Cross-Sectional Liquid Samplers

### Internal Sampling of Liquids and Creams



## Sterileware® Upright Handle Dippers / Ladles

### Sterile Sampling of Liquids or Creams



## Sterileware® Triangular Scraper

### Wide Blade Covers More Area



## Sterileware® Single Slot Powder Sampler

### Powder Sampling at a Specific Point



## Sterileware® Jumbo Pipettes

### Fast, Sterile Liquid Sampling from Within Containers



For details on these Sterileware® products and more, check out the full line sample handling catalog in the Product Resource Center on [sp-belart.com](http://sp-belart.com)

## Reduce the Risk of Contamination in Multi-Zone Clean Rooms

**NEW**



### Sterileware® Double Bagged Sterile Sampling Scoops

- Sterilized with an additional outer bag to provide extra protection against contamination and debris
- Long handle on 2oz and 4oz scoops reduces contamination potential
- Flat bottom on 2oz and 4oz scoops allow for use as a weighing boat

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| Catalog No. | Nominal Capacity | Dimensions (L X W X H)                                                                                                    | Bowl Dimensions (L X W X H)                                                                                                | Handle Length                             | Quantity / Pack |
|-------------|------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------|
| H36902-1010 | 60ml (2oz)       | 20.5 x 4.1 x 2.9cm<br>(8 <sup>1</sup> / <sub>16</sub> x 1 <sup>5</sup> / <sub>8</sub> x 1 <sup>1</sup> / <sub>8</sub> " ) | 7.8 x 4.1 x 2.9cm<br>(3 <sup>1</sup> / <sub>16</sub> x 1 <sup>5</sup> / <sub>8</sub> x 1 <sup>1</sup> / <sub>8</sub> " )   | 12.7cm (5")                               | 10              |
| H36904-1010 | 125ml (4oz)      | 22.1 x 5.1 x 3.3cm<br>(8 <sup>1</sup> / <sub>16</sub> x 2 x 1 <sup>5</sup> / <sub>16</sub> " )                            | 9.4 x 5.1 x 3.3cm<br>(3 <sup>1</sup> / <sub>16</sub> x 2 x 1 <sup>5</sup> / <sub>16</sub> " )                              | 12.7cm (5")                               | 10              |
| H36906-1010 | 250ml (8oz)      | 19.1 x 5.4 x 4.9cm<br>(7 <sup>1</sup> / <sub>2</sub> x 2 <sup>1</sup> / <sub>8</sub> x 1 <sup>1</sup> / <sub>16</sub> " ) | 13.5 x 5.4 x 4.9cm<br>(5 <sup>5</sup> / <sub>16</sub> x 2 <sup>1</sup> / <sub>8</sub> x 1 <sup>1</sup> / <sub>16</sub> " ) | 5.6cm (2 <sup>3</sup> / <sub>16</sub> " ) | 10              |

### Sterileware® Double Bagged Sterile Scoop Sampling System

- Bagged twice for extra protection from contamination
- Snap-on lid allows scoop to be used as a container for transport; lock-tab can be bent under for a tighter seal
- Sampling data can be marked on the lid with wax pencil, pre-marked label or labeling tape to facilitate tracking

⚠ See page 49



| Catalog No. | Nominal Capacity | Dimensions (L X W X H)                                                                                                    | Bowl Dimensions (L X W X H)                                                                                              | Handle Length | Quantity / Pack |
|-------------|------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------|-----------------|
| H36922-1010 | 60ml (2oz)       | 20.5 x 4.1 x 2.9cm<br>(8 <sup>1</sup> / <sub>16</sub> x 1 <sup>5</sup> / <sub>8</sub> x 1 <sup>1</sup> / <sub>8</sub> " ) | 7.8 x 4.1 x 2.9cm<br>(3 <sup>1</sup> / <sub>16</sub> x 1 <sup>5</sup> / <sub>8</sub> x 1 <sup>1</sup> / <sub>8</sub> " ) | 12.7cm (5")   | 10              |
| H36924-1010 | 125ml (4oz)      | 22.1 x 5.1 x 3.3cm<br>(8 <sup>1</sup> / <sub>16</sub> x 2 x 1 <sup>5</sup> / <sub>16</sub> " )                            | 9.4 x 5.1 x 3.3cm<br>(3 <sup>1</sup> / <sub>16</sub> x 2 x 1 <sup>5</sup> / <sub>16</sub> " )                            | 12.7cm (5")   | 10              |

### Sterileware® Double Bagged Long Handle Sampling Spoons

- Ten individually packaged spoons sealed in an outer bag to create multiples layers of protection against contaminants and debris
- Long handle reaches into confined areas

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| Catalog No. | Nominal Capacity | Width                                   | Length      | Quantity / Pack |
|-------------|------------------|-----------------------------------------|-------------|-----------------|
| H36940-1010 | 1.25ml (1/4tsp)  | 2cm (1 <sup>3</sup> / <sub>16</sub> " ) | 17.8cm (7") | 10              |
| H36942-1010 | 2.46ml (1/2tsp)  | 2.5cm (1")                              | 17.8cm (7") | 10              |
| H36944-1010 | 4.93ml (1tsp)    | 3cm (1 <sup>3</sup> / <sub>16</sub> " ) | 17.8cm (7") | 10              |
| H36946-1010 | 14.79ml (3tsp)   | 4cm (1 <sup>5</sup> / <sub>16</sub> " ) | 17.8cm (7") | 10              |

### All Sterileware® Sample Handling Tools Are:

- Made from FDA and EU conforming materials; safe for food, drug and cosmetic use
- Gamma irradiated sterile (SAL 10<sup>-6</sup>)
- Heat sealed in individual polyethylene bags
- Lot stamped for accurate tracing; shipped with a Certificate of Processing for Sterilization

## Micro Funnels

### When Working with Small Openings

- Perfect for micro work, filling burettes, manometers and small bottles
- Polypropylene
- Steam autoclavable at 121°C (250°F)
- Bulk packaging available for large volume requests



| Catalog No. | Capacity        | Overall Height  | Stem I.D.     | Stem O.D.     | Top I.D.        | Top O.D.        | Stem Length      | Quantity / Pack |
|-------------|-----------------|-----------------|---------------|---------------|-----------------|-----------------|------------------|-----------------|
| F14685-0024 | 2.6ml (0.09oz)  | 34.8mm (1 3/8") | 2.4mm (1/8")  | 5.4mm (3/16") | 24mm (1 5/16")  | 28.3mm (1 1/8") | 15.9mm (5/8")    | 12              |
| F14685-0028 | 5.2ml (0.17oz)  | 41mm (1 3/16")  | 3.8mm (3/16") | 6.0mm (1/4")  | 28mm (1 1/8")   | 31.8mm (1 1/4") | 19.1mm (3/4")    | 12              |
| F14685-0035 | 8.1ml (0.27oz)  | 50.5mm (2")     | 5.3mm (3/16") | 8.0mm (5/16") | 35mm (1 3/8")   | 41.9mm (1 5/8") | 23.4mm (1 5/16") | 12              |
| F14685-0043 | 15.7ml (0.53oz) | 58mm (2 1/4")   | 5.5mm (3/16") | 8.0mm (5/16") | 43mm (1 11/16") | 47mm (1 7/8")   | 25.4mm (1")      | 12              |

## Long-Handled Dippers

### Easy Sampling from Tanks, Vats, Lakes, and More

- Buoyant and chemical resistant design will not rust or corrode
- Handles are 2.9cm (1 1/8") in diameter and welded to a rigid sampling bowl at a 45° angle for easier sampling from an elevated position
- Hardwood dowel totally encased in the 6 and 12 foot handles adds rigidity and strength



| Catalog No.           | Bowl Size     | Handle Length | Handle Diameter |
|-----------------------|---------------|---------------|-----------------|
| <b>1 Piece Handle</b> |               |               |                 |
| F36780-0016           | 500ml (16oz)  | 0.91m (3')    | 2.9cm (1 1/8")  |
| F36780-0032           | 1000ml (32oz) | 0.91m (3')    | 2.9cm (1 1/8")  |
| F36781-0016           | 500ml (16oz)  | 1.8m (6')     | 2.9cm (1 1/8")  |
| F36781-0032           | 1000ml (32oz) | 1.8m (6')     | 2.9cm (1 1/8")  |
| F36782-0116           | 500ml (16oz)  | 3.7m (12')    | 2.9cm (1 1/8")  |
| F36782-0132           | 1000ml (32oz) | 3.7m (12')    | 2.9cm (1 1/8")  |
| <b>2 Piece Handle</b> |               |               |                 |
| F36782-0016           | 500ml (16oz)  | 3.7m (12')    | 2.9cm (1 1/8")  |
| F36782-0032           | 1000ml (32oz) | 3.7m (12')    | 2.9cm (1 1/8")  |



## Micro Spoon and Spatula Stainless Steel Weighing Set



### Accurate Handling of Minute Quantities

- Two small spoons ends for transferring and collecting dry and liquid material
- Two V-shaped spatula ends of different sizes for lifting or spill-free carrying
- Eight flat spatula ends of various widths and lengths or mixing, scraping and spreading
- Blunt tip tweezers have serrated inside surfaces for secure sample handling



| Catalog No. | Description          |
|-------------|----------------------|
| F36705-0000 | 7 pc. Micro Tool Set |

## EcoTensil® Disposable Paper Sampling Spoon

### Coated Paper Stands Up to Gels and Semi-Solids

- Compostable and recyclable; low cost way to go green in the laboratory
- Use 50% - 90% less material and space than plastic spoons
- Stores flat; easily folds into a functional spoon for sampling and retrieving materials



Try Before You Buy  
[bit.ly/382LLOx](http://bit.ly/382LLOx)



Product Video  
[bit.ly/37WWWuS](http://bit.ly/37WWWuS)



| Catalog No. | Dimensions (L x W)      | Approximate Capacity |
|-------------|-------------------------|----------------------|
| H36740-1030 | 12.7 x 3.8cm (5 x 1.5") | 10ml                 |

NOTE: EcoTensil® Spoons are not meant for measuring exact quantities of materials.

## Magnetic Stirring Bars for Every Application

| Applications      | General Stirring Applications                                                                                                                    | High Temperature Stirring                        | Viscous Solutions High Speed Stirring                                                                                |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Brand/Type        | Spinbar® Teflon® PTFE                                                                                                                            | Spinbar® Pyrex Glass                             | Spinbar® Rare Earth Samarium Cobalt                                                                                  |
| Magnetic Type     | Alnico                                                                                                                                           | Alnico                                           | Samarium Cobalt                                                                                                      |
| Covering          | Teflon® PTFE                                                                                                                                     | Clear Pyrex® Glass                               | Teflon® PTFE                                                                                                         |
| Features/Benefits | Wide selection of shapes and sizes to fit vessels of all types; Individual shapes create different vortexes for efficient and effective stirring | Heated stirring applications up to 274°C (525°F) | Reliable Magnetic Coupling - Superior magnetic energy reduces frequency of spinout in the most vigorous applications |
|                   | FDA Grade, USP Class VI Teflon® brand PTFE Coating – Superior Chemical Compatibility                                                             | Glass casing has zero absorption and porosity    | FDA Grade, USP Class VI Teflon® brand PTFE Coating – Superior Chemical Compatibility                                 |
|                   | Color selection for color-coding work processes                                                                                                  |                                                  | Distinct Color - Green color lets you quickly identify Spinbar® Rare Earth Samarium Cobalt                           |

⚠ See page 49

All Spinbar® and other Teflon® PTFE Coated Magnetic Stirring Bars are Manufactured in a Registered ISO 9001:2015 Facility, as Verified by SGS Certification



Capsule



Cell



Circulus™



Cylindrical



Elliptical



Fluted Octagonal – Rare Earth



Micro (Flea)



Octagon



Octagon – Rare Earth



Plain Spinbar®



Polygon/Giant Polygon



Pyrex®



Round



Saturn



Spinfin®



Spinplus®



Spinring®



Spinstar®



Spinvane®



Spinwedge®

To view all shapes, colors and sizes of Spinbar® Magnetic Stirring Bars visit [sp-belart.com](http://sp-belart.com)

## Spinpak® Octagon Magnetic Stirring Bar Packs

### Most Commonly Used Shape with Pivot Ring to Reduce Friction



- Provides greater surface area and added turbulence compared to cylindrical bars
- Alnico magnet encapsulated in FDA Grade, USP Class VI Teflon® brand PTFE Coating – Superior Chemical Compatibility
- Manufactured in a registered ISO 9001:2015 facility, as verified by SGS certification



| Catalog No. | Dimensions (L x Dia.) | Quantity / Pack |
|-------------|-----------------------|-----------------|
| F37157-0005 | ½ x ⅝" (12.7 x 8mm)   | 6               |
| F37157-0010 | 1 x ⅝" (25.4 x 8mm)   | 6               |
| F37157-0015 | 1½ x ⅝" (38 x 8mm)    | 6               |
| F37157-0020 | 2 x ⅝" (51 x 8mm)     | 6               |

## Easily Identify Your Stir Bar with the Spinbar® Actual Size Guide

Get yours in the Product Resource Center on [sp-belart.com](http://sp-belart.com)



Print document at 100% and easily determine catalog number of your stir bar

## Spinbox® Magnetic Stirring Bar Assortments



### Teflon® PTFE Spinbars® with Convenient Storage Box

- FDA Grade, USP Class VI Teflon® PTFE low friction coating – Superior Chemical Compatibility
- Manufactured in a registered ISO 9001:2015 facility, as verified by SGS certification



| Catalog No. | Description                                                                  | Quantity, Dimensions                                                                                                                                                                                                                                                                        |
|-------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| F37180-0000 | Octagon Shaped - 16 Assorted Bars, Standard & Flea Micro                     | 2 Each: ⅝ x ⅝" (15.9 x 8mm), 1½ x ⅝" (38.1 x 9.5mm), 2½ x ⅝" (63.5 x 9.5mm), 1 x ⅝" (25.4 x 9.5mm), ½ x ⅝" (12.7 x 8mm), 0.276 x 0.079" (7 x 2mm), 2 x ⅝" (50.8 x 9.5mm), 0.394 x 0.118" (10 x 3mm)                                                                                         |
| F37182-0000 | Octagon Shaped - 12 Assorted Standard Bars with Pivot Ring                   | 2 Each: ½ x ⅝" (12.7 x 8mm), ⅝ x ⅝" (15.9 x 8mm), 1 x ⅝" (25.4 x 9.5mm), 1½ x ⅝" (38.1 x 9.5mm), 2 x ⅝" (50.8 x 9.5mm), 2½ x ⅝" (63.5 x 9.5mm)                                                                                                                                              |
| F37183-0000 | Round Shaped - 22 Assorted Bars; Removable Pivot Ring on Bars Longer Than 1" | 2 Each: ½ x ⅝" (12.7 x 9.5mm), ½ x ⅝" (12.7 x 8mm), ¾ x ⅝" (19.1 x 8mm), 1 x ⅝" (25.4 x 8mm), 1 x ⅝" (25.4 x 9.5mm), 1½ x ⅝" (38.1 x 8mm), 1¾ x ⅝" (44.5 x 8mm), 2 x ⅝" (50.8 x 9.5mm), 2 x ⅝" (50.8 x 8mm), 1½ x ⅝" (38.1 x 9.5mm)<br>1 Each: 1¼ x ⅝" (31.8 x 8mm), 1¾ x ⅝" (44.5 x 9.5mm) |
| F37184-0000 | Polygon Shaped - 18 Assorted Bars                                            | 2 Each: ⅝ x ¼" (10 x 6mm), ⅝ x ¼" (15 x 6mm), ¾ x ⅝" (20 x 8mm), 1 x ⅝" (25 x 8mm), 1¾ x ⅝" (30 x 8mm), 1½ x ⅝" (40 x 8mm), 2 x ⅝" (50 x 8mm), 2½ x ¼" (60 x 7mm), 3½ x ⅝" (80 x 10mm)                                                                                                      |
| F37185-0000 | Octagon Shaped - 24 Assorted Bars with Pivot Ring; Blue, Red, Yellow         | 1 Each: ½ x ⅝" (12.7 x 3.2mm), ½ x ⅝" (12.7 x 8mm), ⅝ x ⅝" (15.9 x 8mm), ⅞ x ⅝" (22.2 x 8mm), 1 x ⅝" (25.4 x 8mm), 1½ x ⅝" (38.1 x 8mm), 2 x ⅝" (50.8 x 8mm), 3 x ½" (76.2 x 12.7 mm)                                                                                                       |
| F37186-0000 | Color Coded Micro Flea Bars - 12 Assorted Bars; Blue, Red, Yellow            | 2 Each: 0.197 x 0.079" (5 x 2mm), 0.276 x 0.079" (7 x 2mm), 0.315 x 0.059" (8 x 1.5mm), 0.394 x 0.118" (10 x 3mm)                                                                                                                                                                           |
| F37187-0000 | Egg-Shaped - 13 Assorted Bars                                                | 2 Each: ¾ x ⅝" (19.1 x 9.5mm), 1 x ½" (25.4 x 12.7mm), 1¼ x ⅝" (31.8 x 15.9mm), 1½ x 5/8" (38.1 x 15.9), 1⅞ x ¾" (41.3 x 19mm), 2 x ¾" (50.8 x 19.1mm)<br>1 Each: 3 x ¾" (76 x 19.1mm)                                                                                                      |
| F37188-0000 | Spinplus® Shaped - 5 Assorted Bars                                           | 1 Each: ⅝ x ⅝" (9.5 x 9.5mm), ¾ x ¾" (19.1 x 19.1mm), 1 x 1" (25.4 x 25.4 mm), 1¼ x 1¼" (31.8 x 31.8mm), 1½ x 1½" (38.1 x 38.1)                                                                                                                                                             |

To view all shapes, colors and sizes of Spinbar® Magnetic Stirring Bars visit [sp-belart.com](http://sp-belart.com)

## Spinbar® Magnetic Stirring Bar Restrainer

### Hold on to Magnetic Stirring Bars

- Secures stirring bar while decanting liquids from vessel
- Confined stirring bar can be retrieved from container without contaminating the solution after the vessel is drained
- Restrains magnetic stirring bars up to 80mm (3") long
- Unique handle provides ergonomic easy to hold grip



| Catalog No. | Quantity / Pack |
|-------------|-----------------|
| F37786-1000 | 1               |



## Spinbar® Magnetic Stirring Bar Retrievers

### Easily Recover Stirring Bars from Containers

- 9.5mm (3/8") diameter pick-up rod with powerful Alnico magnet sealed in one end
- Includes loop for hanging



| Catalog No. | Description       |
|-------------|-------------------|
| F37772-0000 | 30.5cm (12") Long |
| F37773-0000 | 45.7cm (18") Long |



## Switch-Grid™ Test Tube Racks



Product Video  
[bit.ly/37WWVuS](https://bit.ly/37WWVuS)

### Our Most Versatile Rack Ever

- Split-frame can hold 2 different size tubes
- 10mm to 30mm diameter test tubes fit in 5 color-coded, easily interchangeable grid inserts
- Save storage; additional grid sizes can be purchased separately



1: Release the spring latch



2: Lift out the grid



3: Insert alternate size grid

Rack frame overall dimensions:  
31.8L x 11.1W x 6.7cmH (12½ x 4¾ x 2¾")

⚠ See page 49



| Catalog No. | Description             | Holds Tubes | Places        | Quantity  |
|-------------|-------------------------|-------------|---------------|-----------|
| F18745-0010 | Rack with Orange Grids  | 10-13mm     | 84 (14 x 6)   | Each      |
| F18745-0011 | Rack with Blue Grids    | 13-16mm     | 60 (12 x 5)   | Each      |
| F18745-0012 | Rack with Green Grids   | 16-20mm     | 40 (10 x 4)   | Each      |
| F18745-0013 | Rack with Fuchsia Grids | 20-25mm     | 24 (8 x 3)    | Each      |
| F18745-0014 | Rack with Yellow Grids  | 25-30mm     | 12 (6 x 2)    | Each      |
| F18745-1300 | Set of 4 Grids, Orange  | 10-13mm     | 42 (Per Grid) | Pack of 4 |
| F18745-1600 | Set of 4 Grids, Blue    | 13-16mm     | 30 (Per Grid) | Pack of 4 |
| F18745-2000 | Set of 4 Grids, Green   | 16-20mm     | 20 (Per Grid) | Pack of 4 |
| F18745-2500 | Set of 4 Grids, Fuchsia | 20-25mm     | 12 (Per Grid) | Pack of 4 |
| F18745-3000 | Set of 4 Grids, Yellow  | 25-30mm     | 6 (Per Grid)  | Pack of 4 |
| F18745-0045 | Rack Frame Only         | —           | —             | Each      |

## No-Wire™ Test Tube Grip Racks



### Test Tubes 'Hang in There' in Any Position, Even Inverted

- Gripping fingers allow simultaneous decanting of all tubes to save valuable time
- Specially formulated polypropylene allows the rack to submerge in water baths while fingers secure tubes in place to eliminate the risk of spilling and tube floating

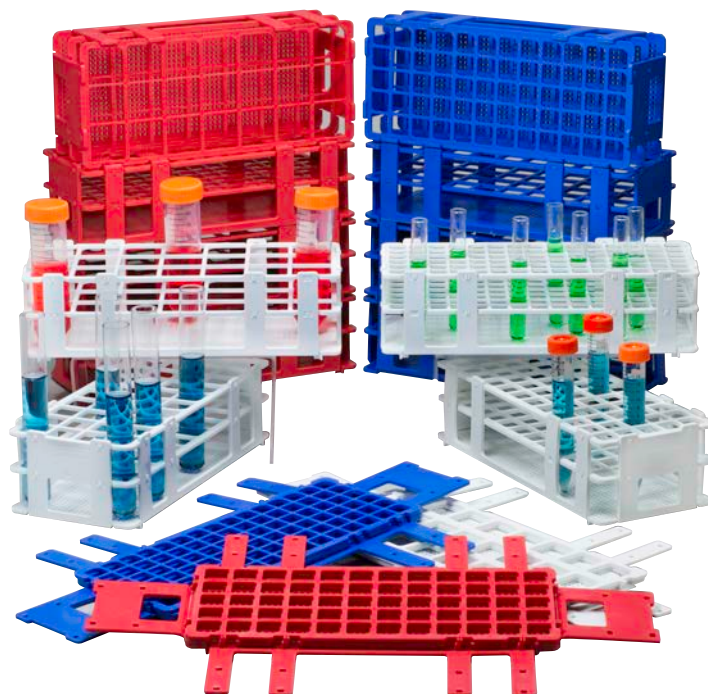


| Catalog No. | Tube Size | Places | Dimensions (L x W x H)            |
|-------------|-----------|--------|-----------------------------------|
| F18749-0000 | 10-13mm   | 90     | 24.8 x 10.5 x 7cm (9¾ x 4¼ x 2¾") |
| F18749-0001 | 15-16mm   | 60     | 24.8 x 10.5 x 7cm (9¾ x 4¼ x 2¾") |
| F18749-0002 | 18-20mm   | 40     | 24.8 x 10.5 x 7cm (9¾ x 4¼ x 2¾") |

## No-Wire™ Test Tube Racks

### Submersible, Stackable, Color- Coded, and Autoclavable

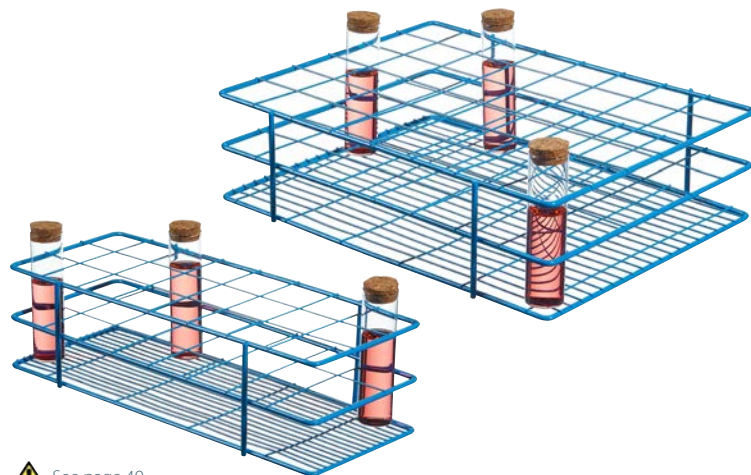
- Great alternative to wire racks
- Will sink in a water bath and maintain stability even in agitated water
- Features end plates for labeling; numbered and lettered rows for tube identification
- Dimensions: 24.6 x 10.4 x 6.4cm (9.7 x 4.1 x 2.5"), Top Deck Height: 6.35cm (2.5")
- Ships flat to save on shipping costs and eliminate excess packaging



| Catalog No.          | Places | Rows   | Color |
|----------------------|--------|--------|-------|
| <b>10-13mm Tubes</b> |        |        |       |
| F18745-0000          | 90     | 6 x 15 | White |
| F18746-0000          | 90     | 6 x 15 | Red   |
| F18747-0000          | 90     | 6 x 15 | Blue  |
| <b>13-16mm Tubes</b> |        |        |       |
| F18745-0001          | 60     | 5 x 12 | White |
| F18746-0001          | 60     | 5 x 12 | Red   |
| F18747-0001          | 60     | 5 x 12 | Blue  |
| <b>16-20mm Tubes</b> |        |        |       |
| F18745-0002          | 40     | 4 x 10 | White |
| F18746-0002          | 40     | 4 x 10 | Red   |
| F18747-0002          | 40     | 4 x 10 | Blue  |
| <b>20-25mm Tubes</b> |        |        |       |
| F18745-0003          | 24     | 3 x 8  | White |
| F18746-0003          | 24     | 3 x 8  | Red   |
| F18747-0003          | 24     | 3 x 8  | Blue  |
| <b>25-30mm Tubes</b> |        |        |       |
| F18745-0004          | 21     | 3 x 7  | White |
| F18746-0004          | 21     | 3 x 7  | Red   |
| F18747-0004          | 21     | 3 x 7  | Blue  |

## Poxygrid® Test Tube Racks for 30-40mm Tubes

**NEW**



### Solutions for Petrochemical Industry

- Chemical and corrosion-resistant steel wire racks are coated with heat-cured epoxy
- Epoxy coatings are unaffected by organic solvents, salts, weak acids and weak alkalis
- Will withstand a temperature range of -223°C (-369°F) to 121°C (250°F)
- Ideal for use with ASTM D97-08 Standard Test Method for Pour Point of Petroleum Products and ASTM D2500-05 Standard Test Method for Cloud of Petroleum Products

For a wider selection of Poxygrid® Racks visit [sp-belart.com](http://sp-belart.com)

See page 49



| Catalog No. | Places | Tube Size | Rows  | Top Deck Height | Dimensions (L X W X H)                  |
|-------------|--------|-----------|-------|-----------------|-----------------------------------------|
| F18782-0001 | 24     | 30-40mm   | 3 x 8 | 10.2cm (4")     | 36.5 x 15.2 x 10.2cm (14 3/8 x 6 x 4")  |
| F18784-0001 | 48     | 30-40mm   | 6 x 8 | 10.2cm (4")     | 36.5 x 30.4 x 10.2cm (14 3/8 x 12 x 4") |

## PrepSafe™ Microcentrifuge Tube Mini Floating Racks



### Tabs Keep Tubes Secure and Caps Closed

- Slide tubes under the immobilizing tabs to keep tubes in place and caps closed when under pressure, floating or submerged
- Use in water baths, ice or on the benchtop
- Optional vortexing attachment allows 12 tubes to be vortexed at one time



Product Video  
[bit.ly/37WWWuS](http://bit.ly/37WWWuS)



| Catalog No. | Description                           |
|-------------|---------------------------------------|
| F18742-0120 | Natural                               |
| F18742-0121 | Turquoise                             |
| F18742-0122 | Fuchsia                               |
| F18742-0123 | Neon Yellow                           |
| F18742-0124 | Natural with Vortexing Attachment     |
| F18742-0125 | Turquoise with Vortexing Attachment   |
| F18742-0126 | Fuchsia with Vortexing Attachment     |
| F18742-0127 | Neon Yellow with Vortexing Attachment |
| F18742-0140 | Removable Vortexing Attachment        |

## Conical Tube Holder for 15ml and 50ml Tubes

### Two Tube Holders in One

- Open uprights allow viewing of entire contents of tube
- Tube can be easily lifted from holder
- Pinching uprights allows carrying the holder with the tube



| Catalog No. | Base Diameter | Arms Height  | Quantity / Pack |
|-------------|---------------|--------------|-----------------|
| F18796-0000 | 7.6cm (3")    | 6.4cm (2.5") | 4               |



## PCR Tube Freezer Storage Box, 144 Place

### Durable and Moisture Resistant

- Holds individual and/or strip 0.2ml PCR tubes; fit 2" freezer racks (2 boxes high)
- ULT storage at temperatures down to -86°C
- Clear polycarbonate with alpha-numeric index for easy sample tracking

⚠ See page 49



| Catalog No. | Dimensions (L x W x H)             | Quantity/Pack |
|-------------|------------------------------------|---------------|
| F18837-0000 | 13.2 x 13.2 x 2.5cm (5¼ x 5¼ x 1") | 5             |



## Polypropylene Freezer Boxes

### Hold Up to Demanding Temperatures

- 25-place 5ml conical tube box fits standard 3" ULT freezer racks
- 81-place micro tube / cryo vial box fits standard 2" ULT freezer racks
- Withstands temperatures to -86°C (-187°F)



| Catalog No. | Holds                                                                            | Dimensions (L x W x H)                   | Quantity/Pack |
|-------------|----------------------------------------------------------------------------------|------------------------------------------|---------------|
| F18852-0018 | 1.5 to 2ml Micro Tubes / Cryo Vials                                              | 13.3 x 13.3 x 5.1cm (5.25 x 5.25 x 2.0") | 4             |
| F18852-0017 | 5ml Conical Centrifuge Tubes (13-16mm diam)<br><i>Including Eppendorf® Brand</i> | 13.3 x 13.3 x 6.4cm (5.25 x 5.25 x 2.5") | 4             |

\*Eppendorf is a registered trademark of Eppendorf AG.



F18852-0018



F18852-0017

## Frigimat® Junior Dry Ice Maker



### Produces On-Demand Dry Ice in Flake or Snow Form

- Dry ice flakes are useful for packing around irregularly shaped items
- Brass nozzle screws onto any liquid LCO<sub>2</sub> cylinder equipped with a dip tube
- Makes .77kg (1.7lb) of flakes per bag

⚠ See page 49

BRASS

| Catalog No. | Description                                 |
|-------------|---------------------------------------------|
| F38886-0000 | Frigimat® Junior Dry Ice Maker (U.S. Model) |
| F38886-0001 | Extra Bags (pack of 3)                      |
| F38886-0002 | Europe Model                                |
| F38886-0003 | Japan Model                                 |

## Cryogenic Storage Labels



### Labels that Stand Up to Extreme Cold, Even Liquid Nitrogen

- Organize and label samples for short or long-term cold storage
- Ideal for environments down to -196°C
- Dot and rectangle shaped labels sized for 0.5 to 2.0ml cryogenic tubes
- Available in sheets or rolls; sheets can be fed through a standard ink jet or laser printer utilizing the appropriate template (visit [www.belart.com/labeltemp](http://www.belart.com/labeltemp))

Get your free sample at [bit.ly/382LLox](http://bit.ly/382LLox)

| Catalog No.   | Color    | Fits            | Label       | Size        | Includes                     |
|---------------|----------|-----------------|-------------|-------------|------------------------------|
| <b>Sheets</b> |          |                 |             |             |                              |
| F13491-3301   | White    | 1.5-2ml Tubes   | Rectangular | 33W x 13mmH | 20 sheets, 1700 total labels |
| F13491-6725   | White    | Racks/Boxes     | Rectangular | 67W x 25mmH | 20 sheets, 600 total labels  |
| F13491-9501   | White    | 0.5-1.5ml Tubes | Round Dot   | 9.5mm dia.  | 20 sheets, 3840 total labels |
| F13491-1301   | White    | 1.5-2ml Tubes   | Round Dot   | 13mm dia.   | 20 sheets, 3840 total labels |
| F13491-3302   | Assorted | 1.5-2ml Tubes   | Rectangular | 33W x 13mmH | 25 sheets, 2125 total labels |
| <b>Rolls</b>  |          |                 |             |             |                              |
| F13492-9501   | White    | 0.5-1.5ml Tubes | Round Dot   | 9.5mm dia.  | 1 Roll, 1000 total labels    |
| F13492-9502   | Assorted | 0.5-1.5ml Tubes | Round Dot   | 9.5mm dia.  | 1 Roll, 5000 total labels    |
| F13492-1301   | White    | 1.5-2ml Tubes   | Round Dot   | 13mm dia.   | 1 Roll, 1000 total labels    |
| F13492-1302   | Assorted | 1.5-2ml Tubes   | Round Dot   | 13mm dia.   | 1 Roll, 5000 total labels    |
| F13492-3301   | White    | 1.5-2ml Tubes   | Rectangular | 33W x 13mmH | 1 Roll, 1000 total labels    |

## H-B® Bluetooth Thermometer Hygrometer Data Loggers

### Remotely Monitor and Record Temperature and Humidity Data

- Records temperature and humidity data remotely for up to 30 days
- 4.0(+) Bluetooth capabilities; free THERMSmart app available for Apple® or Android® devices
- In-app alarm sounds if temperature falls outside of the set parameters
- Data viewable as a table, graph, or calendar; exportable as spreadsheet or PDF
- Graph data from up to 6 data loggers on 1 graph



Product Video  
[bit.ly/37WWWuS](http://bit.ly/37WWWuS)

⚠ See page 49

| Catalog No. | Description                                                                      | Range               | Humidity Range | Accuracy                                                                                                                                                                                                       |
|-------------|----------------------------------------------------------------------------------|---------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B61506-5100 | Thermometer/Hygrometer                                                           | -10/50°C (14/122°F) | 10/99%         | Thermometer: $\pm 1^{\circ}\text{C}$ ( $2^{\circ}\text{F}$ ) between 0/40°C (32/104°F); otherwise $\pm 2^{\circ}\text{C}$ ( $4^{\circ}\text{F}$ ); Hygrometer: $\pm 5\%$ between 50/80 RH; otherwise $\pm 8\%$ |
| B60911-0100 | Thermometer only                                                                 | -10/50°C (14/122°F) | N/A            | $\pm 1^{\circ}\text{C}$ ( $2^{\circ}\text{F}$ ) between 0/40°C (32/104°F); otherwise $\pm 2^{\circ}\text{C}$ ( $4^{\circ}\text{F}$ )                                                                           |
| B61011-5100 | Frio-Temp Verification Thermometer/Hygrometer with Internal and External Sensors | -10/50°C (14/122°F) | 10/99%         | Thermometer: $\pm 1^{\circ}\text{C}$ ( $2^{\circ}\text{F}$ ) between 0/40°C (32/104°F); otherwise $\pm 2^{\circ}\text{C}$ ( $4^{\circ}\text{F}$ ); Hygrometer: $\pm 5\%$ between 50/80 RH; otherwise $\pm 8\%$ |

Bluetooth® is a registered trademark of Bluetooth SIG, Inc.



## H-B® Bluetooth Verification, Probe and Stem Thermometers

### Bluetooth Enables Remote Monitoring and Alerts

- Monitor critical environments or experiments without a physical connection
- Thermometers wirelessly transmit data via Bluetooth to the free THERMSmart app (available for iPhone and Android devices)
- In-app alarm sounds to alert user if temperature falls outside of the set parameters
- LCD screen for on-unit monitoring

⚠ See page 49

| Catalog No. | Description                                      | Range                 | Accuracy                                                                                                                                                         |
|-------------|--------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B60910-0000 | Stainless Steel Stem Thermometer                 | -50/300°C (-58/572°F) | $\pm 1^{\circ}\text{C}$ ( $2^{\circ}\text{F}$ ) from 0/40°C (32/104°F); $\pm 2\%$ above 200°C (392°F); otherwise $\pm 2^{\circ}\text{C}$ ( $4^{\circ}\text{F}$ ) |
| B60910-5000 | Stainless Steel Probe Thermometer                | -50/300°C (-58/572°F) | $\pm 1^{\circ}\text{C}$ ( $2^{\circ}\text{F}$ ) from 0/40°C (32/104°F); $\pm 2\%$ above 200°C (392°F); otherwise $\pm 2^{\circ}\text{C}$ ( $4^{\circ}\text{F}$ ) |
| B61011-5000 | Verification Thermometer with bead filled bottle | -50/300°C (-58/572°F) | $\pm 1^{\circ}\text{C}$ ( $2^{\circ}\text{F}$ ) from 0/40°C (32/104°F); $\pm 2\%$ above 200°C (392°F); otherwise $\pm 2^{\circ}\text{C}$ ( $4^{\circ}\text{F}$ ) |



## Calibrated Electronic Thermometers Configured for Assorted Applications

### Select Features Best Suited for Your Equipment or Environment

- Temperature measurement options include folding probes, stainless steel probes, and waterproof sensors
- Features available include 10-event recording, minimum/maximum temperature readings, timers and alarms
- Accredited calibration documentation meets requirements of ISO 17025

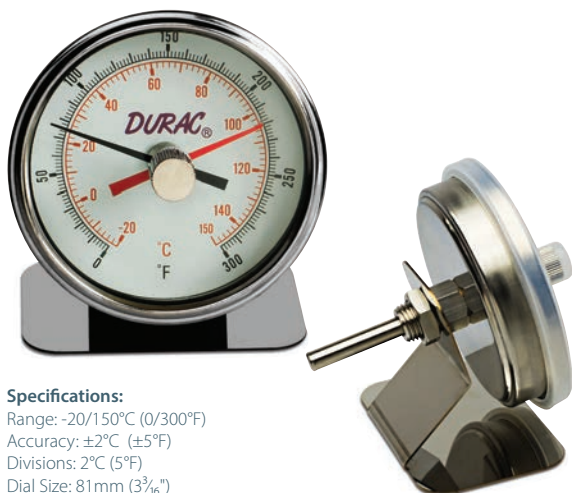


⚠ See page 49



| Catalog No.                                     | Range                 | Calibration Points | Features                                                          |
|-------------------------------------------------|-----------------------|--------------------|-------------------------------------------------------------------|
| <b>Stainless Steel Chemical Resistant Probe</b> |                       |                    |                                                                   |
| B60900-0400                                     | -50/200°C (-58/392°F) | 0, 100°C           | Max/Min, Temperature Hold                                         |
| B60900-3000                                     | -50/200°C (-58/392°F) | 0, 100°C           | 10-Event Recording with Date/Time Stamp, High/Low Alarm, Max/Min  |
| B60900-3300                                     | -50/300°C (-58/572°F) | 0, 100°C           | Folding Probe, Stainless Steel Probe, Max/Min, Hold               |
| B60900-3400                                     | -50/300°C (-58/572°F) | 0, 100°C           | Stainless Steel Probe, Alarm, Timer                               |
| B60900-3500                                     | -50/200°C (-58/392°F) | 0, 100°C           | High/Low Alarm, Max/Min, Data Hold, Temperature Calibration, IP65 |

## H-B® DURAC® Maximum Registering/Autoclave Bi-Metal Thermometer



#### Specifications:

Range: -20/150°C (0/300°F)  
 Accuracy: ±2°C (±5°F)  
 Divisions: 2°C (5°F)  
 Dial Size: 81mm (3 1/8")

### Register Highest Temperature Without Dangerous Mercury

- Maximum registering pointer indicates highest temperature reached
- 1/4" NPT threaded connection screws directly into in-line processes
- Waterproof and pressurized to withstand autoclaving cycles

⚠ See page 49



| Catalog No. | Description                        | Calibration Points |
|-------------|------------------------------------|--------------------|
| B61315-0000 | Traceable to NIST                  | N/A                |
| B60215-0000 | With Individual Calibration Report | 121°C              |

## H-B® DURAC® RTD Electronic Thermometers

### Highly Accurate Over a Wide Temperature Range

- Maximum/minimum temperature memory or data hold for careful sample monitoring
- Precision PT100 temperature sensor probe on all models conforms to IEC 751 Class A
- B60901-0100 and B60901-0200 log up to 16,000 readings with date and time; B60901-0200 includes operating system software
- B60901-0000 features IP67 Waterproof Housing; can be adapted to PT500 or PT1000 probes



See page 49

| Catalog No. | Description                                                                     | Range                   | Resolution     | Accuracy                  |
|-------------|---------------------------------------------------------------------------------|-------------------------|----------------|---------------------------|
| B60901-0000 | RTD Thermometer with PT100 Probe                                                | -100/300°C (-148/572°F) | 0.1°C          | 0.1% of reading or 0.4°C  |
| B60901-0100 | Precision RTD Thermometer Data Logger with One Probe                            | -100/400°C (-148/752°F) | 0.01°C; 0.02°F | 0.05% of reading or 0.1°C |
| B60901-0200 | Precision RTD Thermometer Data Logger with One Probe, OS Software and USB Cable | -100/400°C (-148/752°F) | 0.01°C; 0.02°F | 0.05% of reading or 0.1°C |
| B60901-0400 | Additional Probe for Precision RTD Thermometer                                  |                         |                |                           |
| B60901-0300 | AC Adapter for Precision RTD Thermometer                                        |                         |                |                           |

## H-B® DURAC® Plus™ Individually Calibrated ASTM Liquid-In-Glass Thermometers

### Conform to ASTM Standards Without Dangerous Mercury

- Conform to ASTM standards for methods specified in order table
- Individually calibrated at specified points; supplied with a Calibration Report stating corrections to one-tenth of the smallest division
- Ideal for use in quality control laboratories

See page 49

| Catalog No. | ASTM No. / ASTM Method | Range     | Divisions | Accuracy | Calibration Points       |
|-------------|------------------------|-----------|-----------|----------|--------------------------|
| B60780-0000 | S62C-03 / Precision    | -38/2°C   | 0.1°C     | ± 0.1°C  | -37, -30, -20, -10, 0°C  |
| B60780-0200 | S63C-03 / Precision    | -8/32°C   | 0.1°C     | ± 0.1°C  | -7, 0, 10, 20, 30°C      |
| B60780-0300 | S63F-03 / Precision    | 18/89°F   | 0.2°F     | ± 0.2°F  | 20, 32, 50, 70, 88°F     |
| B60780-0400 | S64C-03 / Precision    | 25/55°C   | 0.1°C     | ± 0.1°C  | 0, 25, 35, 45, 55°C      |
| B60780-0500 | S64F-03 / Precision    | 77/131°F  | 0.2°F     | ± 0.2°F  | 32, 80, 95, 115, 130°F   |
| B60780-0600 | S65C-03 / Precision    | 50/80°C   | 0.1°C     | ± 0.1°C  | 0, 50, 60, 70, 80°C      |
| B60780-0800 | S66C-03 / Precision    | 75/105°C  | 0.1°C     | ± 0.1°C  | 0, 75, 85, 95, 105°C     |
| B60780-0900 | S66F-03 / Precision    | 167/221°F | 0.2°F     | ± 0.2°F  | 32, 168, 185, 200, 220°F |
| B60780-1000 | S67C-03 / Precision    | 95/155°C  | 0.2°C     | ± 0.2°C  | 0, 100, 110, 130, 150°C  |

## H-B® Easy-Read® Environmentally Friendly, Liquid-In-Glass Thermometers



### Individual Calibration Report as Needed for Many Standard Operating Procedures

- Ideal for use in chemical/petrochemical laboratories, universities, scientific institutions, food and beverage processing, pharmaceutical and medical industries, dairies, breweries and distilleries
- Contains EnviroKleen™ certified, non-toxic, biodegradable, Enviro-Safe® liquid
- Includes an individualized Thermometer Calibration Report stating corrections to one-tenth of the smallest division, unique report number and NIST standards used for the calibration

⚠ See page 49



| Catalog No.                         | Range     | Divisions | Accuracy                                                 | Calibration Points         | Length      |
|-------------------------------------|-----------|-----------|----------------------------------------------------------|----------------------------|-------------|
| <b>Partial Immersion: 76mm (3")</b> |           |           |                                                          |                            |             |
| B60202-0000                         | -10/70°C  | 0.5°C     | ± 0.5°C                                                  | 0, 37, 56°C                | 300mm (12") |
| B60202-0100                         | -20/110°C | 1°C       | ± 1°C                                                    | 0, 50, 100°C               | 300mm (12") |
| B60202-0300                         | -20/110°C | 1°C       | ± 1°C                                                    | 0, 37, 56°C                | 300mm (12") |
| B60202-0400                         | -20/150°C | 1°C       | ± 1°C                                                    | 0, 60, 120°C               | 300mm (12") |
| B60202-0500                         | -20/110°C | 1°C       | ± 1°C                                                    | 0, 4, 20, 37, 44.5, 103°C  | 300mm (12") |
| B60202-1200                         | 0/300°F   | 2°F       | ± 1°F; ±2°F below 32°F and above 158°F; ±3°F above 230°F | 32, 100, 200, 300°F        | 300mm (12") |
| B60202-1300                         | -10/260°C | 1°C       | ± 1°C; ±1.5°C above 110°C, ±2°C above 200°C              | 0, 100, 200°C              | 350mm (14") |
| B60202-1400                         | -10/260°C | 1°C       | ± 1°C; ±1.5°C above 110°C, ±2°C above 200°C              | 0, 37, 56, 100, 230, 250°C | 350mm (14") |
| <b>Total Immersion</b>              |           |           |                                                          |                            |             |
| B60202-0800                         | -20/150°C | 1°C       | ± 1°C                                                    | 0, 60, 120°C               | 300mm (12") |
| B60202-0900                         | -10/225°C | 1°C       | ± 1°C                                                    | 1, 100, 200°C              | 350mm (14") |



## H-B® Calibration Services

– 5-Day Turnaround –

Visit [www.hbcalibration.com](http://www.hbcalibration.com)

## H-B® DURAC® Calibrated Electronic Verification Thermometers Configured for Assorted Applications

### Select Features Best Suited for Your Equipment or Environment

- Temperature measurement options include folding probes, stainless steel probes, and waterproof sensors
- Feature organic liquid- or glass bead-filled bottles which accurately mimic sample temperatures
- Accredited calibration documentation meets requirements of ISO 17025



⚠ See page 49



| Catalog No.                                       | Range                                                           | Calibration Points | Features                                                         |
|---------------------------------------------------|-----------------------------------------------------------------|--------------------|------------------------------------------------------------------|
| <b>Calibration Type: Freezer</b>                  |                                                                 |                    |                                                                  |
| B60210-2800                                       | -50/300°C (-58/572°F)                                           | -20°C              | Alarm, Timer                                                     |
| B60210-0900                                       | -50/70°C (-58/158°F) External;<br>-10/50°C (14/122°F) Internal  | -20°C              | Max/Min, Alarm                                                   |
| B60210-0500                                       | -50/70°C (-58/158°F) External;<br>0/50°C (32/122°F) Internal    | -20°C              | Triple Display, Max/Min, Alarms                                  |
| <b>Calibration Type: Refrigerator</b>             |                                                                 |                    |                                                                  |
| B60210-2900                                       | -50/300°C (-58/572°F)                                           | 4°C                | Alarm, Timer                                                     |
| B60210-1000                                       | -50/70°C (-58/158°F) External;<br>-10/50°C (14/122°F) Internal  | 4°C                | Max/Min, Alarm                                                   |
| B60210-0600                                       | -50/70°C (-58/158°F) External;<br>0/50°C (32/122°F) Internal    | 4°C                | Triple Display, Max/Min, Alarms                                  |
| <b>Calibration Type: Freezer and Refrigerator</b> |                                                                 |                    |                                                                  |
| B60210-0300                                       | -40/70°C (-40/158°F) External;<br>-40/70°C (-40/158°F) External | -20°C<br>4°C       | Dual Zone and Display, Alarm with Duration Counter               |
| <b>Calibration Type: Incubator</b>                |                                                                 |                    |                                                                  |
| B60210-3000                                       | -50/300°C (-58/572°F)                                           | 37°C               | Alarm, Timer                                                     |
| B60210-1100                                       | -50/70°C (-58/158°F) External;<br>-10/50°C (14/122°F) Internal  | 37°C               | Max/Min, Alarm                                                   |
| B60210-0400                                       | -40/70°C (-40/158°F) External;<br>-40/70°C (-40/158°F) External | 37°C<br>37°C       | Dual Zone and Display, Alarm with Duration Counter               |
| B60210-0700                                       | -50/70°C (-58/158°F) External;<br>0/50°C (32/122°F) Internal    | 37°C               | Triple Display, Max/Min, Alarms                                  |
| <b>Calibration Type: Ambient</b>                  |                                                                 |                    |                                                                  |
| B60210-0800                                       | -50/70°C (-58/158°F) External;<br>0/50°C (32/122°F) Internal    | 22°C               | Triple Display, Max/Min, Alarms                                  |
| <b>Calibration Type: General</b>                  |                                                                 |                    |                                                                  |
| B61000-0000                                       | -50/200°C (-58/392°F)                                           | 0, 100°C           | Max/Min, Temperature Hold                                        |
| B61000-0200                                       | -50/70°C (-58/158°F) External; -10/50°C (14/122°F) Internal     | 0, 50°C            | Max/Min, Alarm                                                   |
| B61000-0300                                       | -40/70°C (-40/158°F) External; -40/70°C (-40/158°F) External    | 0, 50°C            | Dual Display, Alarm with Duration Counter                        |
| B61000-0400                                       | -50/70°C (-58/158°F) External; 0/50°C (32/122°F) Internal       | 0, 50°C            | Triple Display, Max/Min, Alarms                                  |
| B61000-0600                                       | -40/70°C (-40/158°F) External; -40/70°C (-40/158°F) External    | 0, 50°C            | Dual Display, Max/Min, Date Time Stamp, Alarm                    |
| B61000-1200                                       | -50/300°C (-58/572°F)                                           | 0, 100°C           | Alarm, Timer                                                     |
| B61000-5000                                       | -50/200°C (-58/392°F)                                           | 0, 100°C           | 10-Event Recording with Date/Time Stamp, High/Low Alarm, Max/Min |

## H-B® DURAC® Timers



B61700-3700

**Convenient for Jotting Down Notes**



B61700-3600

**Perfect for High Noise Locations**

- Choice of vibration, sound and/or light alarms



All H-B Instrument electronic timers include a Certificate of Calibration and individual serial number and are tested and calibrated in our ISO/IEC 17025:2017, A2LA accredited laboratory (Cert #2448.01), against equipment whose calibration is traceable to NIST.

| Catalog No. | Timer Accuracy  | Dimensions (W x H x D)                 |
|-------------|-----------------|----------------------------------------|
| B61700-3700 | ± 5 seconds/day | 114.3 x 88.9 x 25.4mm (4.9 x 3.5 x 1") |
| B61700-3600 | ± 5 seconds/day | 56 x 75 x 32mm (2.2 x 3 x 1.3")        |

## H-B® DURAC® Polycarbonate Plain Form Hydrometers



**Durable and Shatterproof**

- Optical quality polycarbonate is durable and shatterproof; Ideal for use in food & beverage, field work, or any time breakage is possible\*
- Easy to read black scale on yellow back to help avoid eye fatigue
- Multi-language (English, French, German, Italian, Portuguese, and Spanish) Statement of Accuracy indicating accuracy traceable to NIST

\*Note: Polycarbonate hydrometers are not recommended for use with petroleum-based liquids or other corrosives that would potentially affect the plastic material. They should be stored in a clean, dry, safe place and should not be subjected to extreme temperatures.



| Catalog No.                   | Range       | Divisions | Accuracy |
|-------------------------------|-------------|-----------|----------|
| <b>Specific Gravity</b>       |             |           |          |
| B61800-0000                   | 1.000/1.180 | 0.002     | ± 0.002  |
| B61800-0100                   | 0.920/1.080 | 0.002     | ± 0.002  |
| B61800-0200                   | 1.050/1.220 | 0.002     | ± 0.002  |
| B61800-0300                   | 1.200/1.420 | 0.002     | ± 0.002  |
| B61800-0400                   | 1.400/1.620 | 0.002     | ± 0.002  |
| <b>Salt Brine</b>             |             |           |          |
| B61800-0500                   | 0/80%       | 1%        | ± 1%     |
| B61800-0600                   | 10/100%     | 1%        | ± 1%     |
| <b>Sodium Chloride (NaCl)</b> |             |           |          |
| B61800-1000                   | 4/26.4%     | 0.2%      | ± 0.2%   |
| <b>Baume</b>                  |             |           |          |
| B61800-0700                   | 0/12°       | 0.2°      | ± 0.2°   |
| B61800-0800                   | 9/21°       | 0.2°      | ± 0.2°   |
| B61800-0900                   | 19/31°      | 0.2°      | ± 0.2°   |
| <b>Brix</b>                   |             |           |          |
| B61800-1100                   | 0/35°       | 0.5°      | ± 0.5°   |
| B61800-1200                   | 15/50°      | 0.5°      | ± 0.5°   |



Hydrometer Calibration Services Available. Visit [www.hbcalibration.com](http://www.hbcalibration.com)

## Secador® 2.0, 3.0, 4.0 Vertical Auto-Desiccator Cabinets

### A UV Light Blocking, Dry Environment with Automatic Electronic Dehumidification

- Automatic dehumidification and desiccant regeneration cycle operates continuously every 20 minutes
- Blocks 99% of UV light and resists staining, crazing and chemical attack
- Amber color models reduce visible light penetration by over 50%; perfect for storing light sensitive materials
- 230V units include power cord/transformer that includes Q-NA, Q-SAA, Q-UK and Q-EU input connectors to accommodate North American, Australian, UK and European configurations



 See page 49

| Catalog No. | Model | Color                     | Internal Volume | Height         |
|-------------|-------|---------------------------|-----------------|----------------|
| <b>100V</b> |       |                           |                 |                |
| F42072-1100 | 2.0   | Clear                     | 1.2cu. ft.      | 31.4cm (12.4") |
| F42073-1100 | 3.0   | Clear                     | 1.6cu. ft.      | 41.7cm (16.4") |
| F42074-1100 | 4.0   | Clear                     | 1.9cu. ft.      | 51.8cm (20.4") |
| F42074-1106 | 4.0   | Clear, with Blue End-caps | 1.9cu. ft.      | 51.8cm (20.4") |
| <b>120V</b> |       |                           |                 |                |
| F42072-1115 | 2.0   | Clear                     | 1.2cu. ft.      | 31.4cm (12.4") |
| F42072-1118 | 2.0   | Amber                     | 1.2cu. ft.      | 31.4cm (12.4") |
| F42073-1115 | 3.0   | Clear                     | 1.6cu. ft.      | 41.7cm (16.4") |
| F42073-1118 | 3.0   | Amber                     | 1.6cu. ft.      | 41.7cm (16.4") |
| F42074-1115 | 4.0   | Clear                     | 1.9cu. ft.      | 51.8cm (20.4") |
| F42074-1116 | 4.0   | Clear, with Blue End-caps | 1.9cu. ft.      | 51.8cm (20.4") |
| F42074-1117 | 4.0   | Blue, with Clear Door     | 1.9cu. ft.      | 51.8cm (20.4") |
| F42074-1118 | 4.0   | Amber                     | 1.9cu. ft.      | 51.8cm (20.4") |
| <b>230V</b> |       |                           |                 |                |
| F42072-1220 | 2.0   | Clear                     | 1.2cu. ft.      | 31.4cm (12.4") |
| F42072-1228 | 2.0   | Amber                     | 1.2cu. ft.      | 31.4cm (12.4") |
| F42073-1220 | 3.0   | Clear                     | 1.6cu. ft.      | 41.7cm (16.4") |
| F42073-1228 | 3.0   | Amber                     | 1.6cu. ft.      | 41.7cm (16.4") |
| F42074-1220 | 4.0   | Clear                     | 1.9cu. ft.      | 51.8cm (20.4") |
| F42074-1226 | 4.0   | Clear, with Blue End-caps | 1.9cu. ft.      | 51.8cm (20.4") |
| F42074-1227 | 4.0   | Blue, with Clear Door     | 1.9cu. ft.      | 51.8cm (20.4") |
| F42074-1228 | 4.0   | Amber                     | 1.9cu. ft.      | 51.8cm (20.4") |

## Secador® Refrigerator Ready Desiccator



### Moisture Free Storage in Cold Spaces

- Extra-long depth, pull-out shelves and wide rubber feet; perfect for use inside refrigerators and -20°C freezers
- Top shelf holds up to three (3) Desi Cans™ (F42046-0000) or up to two (2) Desiccant Cartridges (F42048-0100); permits maximum visibility of saturation status
- Locking door latch turns with one hand; door opens from top down for easy access

⚠ See page 49



| Catalog No. | Capacity   | Exterior Dimensions (W x D x H)      |
|-------------|------------|--------------------------------------|
| F42011-0000 | 0.6cu. ft. | 25.4 x 38.1 x 21.6cm (10 x 15 x 8½") |

## Space Saver Vacuum Desiccators



### Strong, Shatterproof Design Ideal for the Classroom or Laboratory

- Holds a full vacuum (29.9" Hg) at room temperature for 24 hours
- Accepts tubing with ¼ to ⅜" I.D. to allow controlled entrance of air preventing unnecessary turbulence
- All models include a 0.32cm (⅛") thick perforated plate; disposable or reusable desiccant can be placed on or under this plate



⚠ See page 49



| Catalog No.                                                                                                                            | Volume      | Flange O.D    | Inside Diameter | Plate Diameter | Overall Height | Clearance Above Plate |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------|-----------------|----------------|----------------|-----------------------|
| <b>White Polypropylene Bottom - Can support incandescent crucibles on Minerit HD High Heat Desiccator Plates, available separately</b> |             |               |                 |                |                |                       |
| F42010-0000                                                                                                                            | 0.09cu. ft. | 17.1cm (6¾")  | 14.9cm (5⅞")    | 14cm No.3      | 20.6cm (8⅞")   | 12.1cm (4¾")          |
| F42020-0000                                                                                                                            | 0.20cu. ft. | 23cm (9⅛")    | 19.7cm (7¾")    | 19cm No.4      | 26cm (10¼")    | 15.7cm (6⅝")          |
| F42025-0000                                                                                                                            | 0.31cu. ft. | 27.3cm (10¾") | 24cm (9⅞")      | 23cm No.5      | 31.1cm (12⅞")  | 19.7cm (7¾")          |
| <b>All-Clear Polycarbonate Bottom - Offers increased viewing visibility from more angles</b>                                           |             |               |                 |                |                |                       |
| F42012-0000                                                                                                                            | 0.09cu. ft. | 17.1cm (6¾")  | 14.9cm (5⅞")    | 14cm No.3      | 20.6cm (8⅞")   | 12.1cm (4¾")          |
| F42022-0000                                                                                                                            | 0.20cu. ft. | 23cm (9⅛")    | 19.7cm (7¾")    | 19cm No.4      | 26cm (10¼")    | 15.7cm (6⅝")          |
| F42027-0000                                                                                                                            | 0.31cu. ft. | 27.3cm (10¾") | 24cm (9⅞")      | 23cm No.5      | 31.1cm (12⅞")  | 19.7cm (7¾")          |

## Colony Counter System

**NEW**

### All You Need for Precise Colony Counting

- Complete, effective and accurate way to count colonies of bacteria or other microorganisms grown on an agar plate
- Provides equipment for proper lighting, magnification and tracking of colonies
- Includes Hand-Held Colony Counter (F37862-0002), Mini LED Light Box (F37864-3000) and Mini Magnifier (F37865-0000)
  - Hand-Held Colony Counter marks, counts, and gives an audible and visual alert each time a count is registered
  - Mini LED Light Box enhances viewing of transparent and semi-transparent objects
  - Mini Magnifier offers 1.75X magnification



| Catalog No. | Holds                                                            | Quantity / Pack |
|-------------|------------------------------------------------------------------|-----------------|
| F37863-3000 | Colony Counter System with Mini LED Light Box and Mini Magnifier | 1               |
| F37864-3200 | Replacement Counting Grids                                       | 3               |
| H37862-0102 | Replacement Felt Tip Pen, Black                                  | 1               |
| H37862-0152 | Replacement Felt Tip Pen, Red                                    | 1               |
| H37862-0202 | Replacement Colony Counter Battery, 3V                           | 1               |

## Roxy M™ Repeating Pipettor

### Repeatable Performance with Personality

- Repetitive pipetting of volumes from 1 to 5000 µl
- Ambidextrous design, one-handed volume selection and dispensing; lightweight (105g)
- Use with SP Bel-Art Roxy M™ sterile or non-sterile tips available in 8 sizes
- Maintenance-free; factory sealed and calibrated; serial number identification and certificate of conformity



\*\*Pipettor tips available individually in 8 sizes with capacities from 0.05ml to 50ml, sterile or non-sterile. Visit [sp-belart.com](http://sp-belart.com), keyword Roxy for more information

| TIPS    | NO | 1    | 2    | 3    |
|---------|----|------|------|------|
| 0.05 ml |    | 1 µl | 2 µl | 3 µl |
| 0.5 ml  |    | 10   | 20   | 30   |
| 1.25 ml |    | 25   | 50   | 75   |

Convenient chart of dispensing volumes

Get a free sample of Roxy Tips at [bit.ly/382LLox](http://bit.ly/382LLox)

⚠ See page 49

| Catalog No.   | Description                                                                          |
|---------------|--------------------------------------------------------------------------------------|
| F37310-0000*  | Roxy M™ Repeating Pipettor                                                           |
| F37300-0100** | 5 Each of 7 Sizes; 0.05ml to 25ml Non-Sterile, and 5 Each of 2.5ml and 5.0ml Sterile |
| F37300-1025   | Adapter Set for 25ml Tips, 3 pack - Red                                              |
| F37300-1050   | Adapter Set for 50ml Tips, 3 pack - Grey                                             |

\*Includes adapter for use with 50ml tips; adapter for use with 25ml tips available separately



## Flowmi™ Cell Strainers for 1000 Microliter Pipette Tips



Actual Size

Product Video:  
[bit.ly/37WWWuS](http://bit.ly/37WWWuS)



### Preserve Small Volume Samples and Avoid FLOW and FACS\* Clogs

- Fast and efficient filtering of small volume samples (up to 1000µl) prior to FLOW or FACS\* analysis; decreases potential for clogging
- Preserves sample volume, removes cell aggregates and creates uniform single cell suspensions
- Fits most 1000µl tips including Fisherbrand Sure-One, VWR brand, Axygen, Nichiryo and Eppendorf and more
- Sterile, 40µm or 70µm porosity

Get your free sample at [bit.ly/382LLOx](http://bit.ly/382LLOx)

### Flowmi – Smart. Effective. Innovative.



Aspirate sample into 1000µl tip



Press FLOWMI onto pipette tip



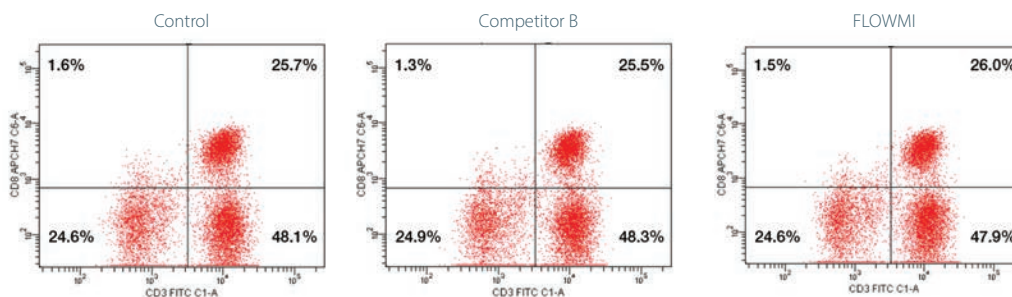
Strain sample into tube



Eject to dispose of tip and FLOWMI

### FLOWMI™ Delivers Results You Can Count On

Cytograms of CD-Chex™ Plus cells from left to right – Control (non-filtered); Sample filtered using Competitor; and Sample filtered using FLOWMI. Cytograms and “Percent of Parent” data demonstrate no loss of specific cell types using FLOWMI vs. competing filter.



⚠ See page 49

| Catalog No. | Porosity  | Quantity / Pack |
|-------------|-----------|-----------------|
| H13680-0040 | 40 Micron | 50              |
| H13680-0070 | 70 Micron | 50              |

\* FACS is a registered trademark of Becton-Dickinson Corporation  
Recommended for use with samples having a maximum concentration of 2 million cells/ml (40µm) or 4 million cells/ml (70µm).

## ProCulture® 37°C Warming Plate

### Maintain Perfect Cell Temperature Outside Incubator

- Keep dishes outside the incubator longer; 37°C (+/-1°C) plate protects cell viability
- Reduces cell stress and allows enzymes like trypsin to work efficiently
- Fits easily in a cell culture hood or on the workbench



Product Video:  
[bit.ly/37WWVuS](http://bit.ly/37WWVuS)

See page 49



| Catalog No. | Voltage         |
|-------------|-----------------|
| F37015-0000 | 120V            |
| F37015-1000 | 220V, CE Marked |

## ProCulture® Orbital Shaker Platform

### Turns Standard Magnetic Stirrer Into Orbital Shaking Platform

- Shake and mix; rotating orbit diameter of 21.7mm (7/8")
- Shaker adjustment is controlled by setting the magnetic stirrer to the desired speed
- Platform protects the operating mechanism from spills; non-skid surface prevents containers from sliding



Magnetic stirrer not included



Product Video  
[bit.ly/37WWVuS](http://bit.ly/37WWVuS)

See page 49

| Catalog No. | Dimensions (L x W x H)                        | Weight       |
|-------------|-----------------------------------------------|--------------|
| F37041-0000 | 22.5 x 22.5 x 5.3cm (8 7/8 x 8 7/8 x 2 1/16") | 1kg (2.2 lb) |

## ProCulture® Incu-Shaker Tube Holder

### Useful Accessory for Benchtop or Floor Model Shaking Incubators

- Positions various sized tubes at an angle to increase liquid surface area and permit greater oxygenation in cell culture without increasing the rotational speed of the shaker
- Securely holds a combination of up to 48 tubes
- Easily attaches to the platform of a shaker with included screws

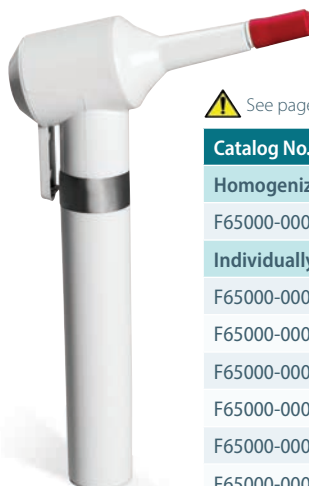


| Catalog No. | Description                                                    | Base Diameter   | Tube Holder Diameter | Height      |
|-------------|----------------------------------------------------------------|-----------------|----------------------|-------------|
| F18798-0000 | Holds (18) 1.5 or 2ml, (12) 5ml, (12) 15ml, and (6) 50ml Tubes | 15.9cm (6 1/4") | 21cm (8 3/4")        | 12.7cm (5") |

## ProCulture® Micro-Tube Homogenizer System

### Effectively Homogenize Precipitates, Cells and Tissues

- Hand-held, cordless homogenizer features a simple push in/pull out pestle holder
- Pestles and tubes assure tight tolerances and thorough homogenization resulting in optimal efficiency of pellet reconstitution or re-suspension
- Pestles and tubes are certified DNase, RNase and Pyrogen-free and are made of animal and phthalate/phthalate-ester free polypropylene with lot control and material traceability



⚠ See page 49



| Catalog No.                                                                     | Description               |
|---------------------------------------------------------------------------------|---------------------------|
| <b>Homogenizer – Includes Cordless Motor, 2 AA Batteries and Pestle Adapter</b> |                           |
| F65000-0000                                                                     | Cordless Homogenizer Unit |
| <b>Individually Packed (Pack of 100)</b>                                        |                           |
| F65000-0001                                                                     | 0.5ml Pestle              |
| F65000-0003                                                                     | 0.5ml Tube                |
| F65000-0005                                                                     | 0.5ml Pestle and Tube     |
| F65000-0002                                                                     | 1.5ml Pestle              |
| F65000-0004                                                                     | 1.5ml Tube                |
| F65000-0006                                                                     | 1.5ml Pestle and Tube     |
| <b>Bulk Packed (Pack of 100)</b>                                                |                           |
| F65000-9001                                                                     | 0.5ml Pestle              |
| F65000-9005                                                                     | 0.5ml Pestle and Tube     |
| F65000-9002                                                                     | 1.5ml Pestle              |
| F65000-9004                                                                     | 1.5ml Tube                |
| F65000-9006                                                                     | 1.5ml Pestle and Tube     |



Product Video  
[bit.ly/37WWVuS](https://bit.ly/37WWVuS)



Get a free tube and pestle sample at  
[bit.ly/382LLOx](https://bit.ly/382LLOx)

## Magnetic Bead Separation Racks

### Removable Sleeves for More Efficient Liquid Transfer

- Independent tube sleeves on 50ml and 15/5ml models make addition and removal of liquids easier; Patent Pending
- Spring plunger on tube sleeves of 1.5ml to 50ml models allows beads to be sequestered at various heights along the tube wall
- 24 vertical magnets on the 96-well PCR plate model hold the plate securely while attracting beads to tube walls
- Microplate model with flat magnets accepts all standard micro-plates with any number of wells



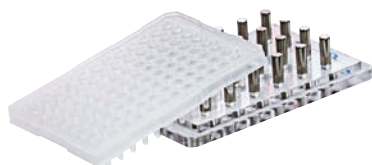
50ml – F19900-0000



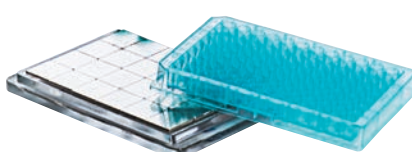
15/5ml – F19900-0001



1.5ml – F19900-0002



96-Well – F19900-0003



Microplate – F19900-0004

⚠ See page 49



| Catalog No. | Holds                                  |
|-------------|----------------------------------------|
| F19900-0000 | Three 50ml Tubes                       |
| F19900-0001 | Six 5 or 15ml Tubes                    |
| F19900-0002 | Ten 1.5 to 2.0ml Microcentrifuge Tubes |
| F19900-0003 | One 96-well PCR Tube Plate             |
| F19900-0004 | One Standard Size Flat Microplate      |

## Vacuum Aspirator Collection Systems with Pump

### Self-Contained - No External Vacuum Source Required

- Ideal for vacuum aspiration of a variety of liquids, including tissue culture media, supernatants, and chemical wastes
- Self-contained portable systems with 1.0 gallon bottle, tubing and vacuum pump (Original strength or HiFlow)
- Low noise level (76dbs or less at 1 meter); minimal pump vibration; safety release vent to prevent vacuum implosion
- HiFlow model works with up to 8-channel pipette tips, even with 4 channels empty and includes quick disconnects to bottle



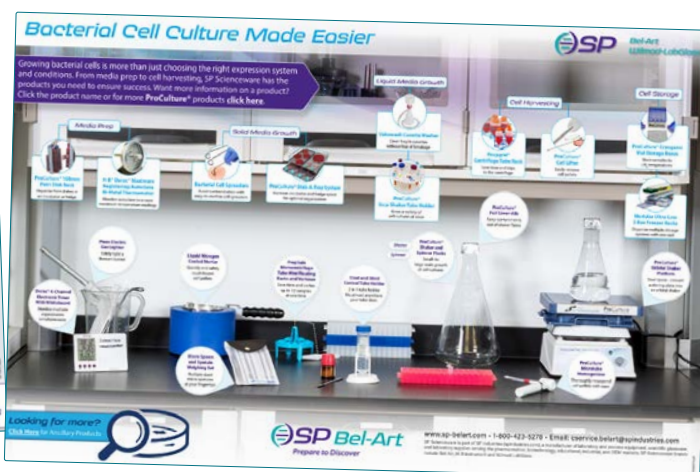
⚠ See page 49

\* HiFlow model is CE marked and CSA certified



| Catalog No. | Description                                                           |
|-------------|-----------------------------------------------------------------------|
| F19917-0150 | Original Pump System, 23.2 x 17.1 x 43.8cm (9 1/8 x 6 3/4 x 17 1/4"H) |
| F19917-0250 | HiFlow Pump System, 23.2 x 17.1 x 43.8cm (9 1/8 x 6 3/4 x 17 1/4"H)   |

## Effective Workflow Solutions for Mammalian & Bacterial Cell Culture



To view all workflow solutions, visit the Product Resource Center at [sp-belart.com](http://sp-belart.com)

## Aquet® Detergent for Glassware and Plastics

### Safe for Glassware, Plastics and Surfaces

- Phosphate-free, nonionic surfactant will not etch or mar precision glassware
- Convenient, pre-portioned pouches make one gallon of 1% solution
- Not for use in automatic dishwashers



| Catalog No. | Size                                    | Quantity / Pack |
|-------------|-----------------------------------------|-----------------|
| F17094-0020 | 20ml pouch makes one gallon             | 20              |
| F17094-0030 | 1gal with 473ml (16oz) dispenser bottle | 1               |
| F17094-0050 | 20L Cubitainer™                         | 1               |

## Acetal Jaw Style Tubing Clamps

### Attach at Any Point Without Disconnecting Tubing

- Operate with one hand; locks closed and opens when the locking tab is released
- Fits tubing up to 1.3cm (1/2") O.D.; wall thickness of 0.82mm (1/32") or thinner
- Circular opening (approximately 0.6cm (1/4") diameter) at hinge end allows clamp to remain attached to tubing having 0.6 - 1.0cm (1/4 - 3/8") OD with little to no restriction in flow when not in use



| Catalog No. | Fits Tubing Size                    | Overall Length  | Quantity / Pack |
|-------------|-------------------------------------|-----------------|-----------------|
| F18218-0000 | Up to 0.82mm (1/32") Wall Thickness | 5.9cm (2 3/16") | 12              |

## Vibrasorb® Premium Vibration Damping Mounts



### Chemical and Scratch Resistant Polished Surface

- Helps protect electromechanical and optical equipment from excessive wear and structural damage that can be caused by exposure to vibration
- Larger size will absorb vibrations down to 13Hz with a 16kg (35lb) load; smaller size will absorb vibrations down to 16Hz. with a 16kg (35lb) load
- With lighter loads, the minimum frequency of damping for both sizes will increase to a value between 16Hz and 25Hz

| Catalog No. | Dimensions                             |
|-------------|----------------------------------------|
| H18386-0000 | 45 x 56 x 7.6cm (18 x 22 x 3")         |
| H18386-0001 | 35 x 35 x 7.6cm (13 3/4 x 13 3/4 x 3") |

## Write-On™ Label Tape

### Great for Use in Low Temperature Applications

- Use with pencil, ball-point pen or solvent ink marker
- Resists moisture and most solvents; peels off without leaving a sticky residue
- Maximum temperature of 157°C (315°F) for 30 minutes or 80°C (176°F) for 24 hours; can be used down to -80°C (-112°F)
- Withstands steam autoclaving cycle at 121°C (250°F) and gamma irradiation between 13.0 and 45.0kGy



See our tape dispensers at [sp-belart.com](http://sp-belart.com)



| Catalog No. | W x L                 | Color  | Catalog No. | W x L                 | Color  |
|-------------|-----------------------|--------|-------------|-----------------------|--------|
| F13480-0050 | 1/2" x 15yds, 1" core | White  | F13482-0050 | 1/2" x 15yds, 1" core | Green  |
| F13480-0075 | 3/4" x 15yds, 1" core | White  | F13482-0075 | 3/4" x 15yds, 1" core | Green  |
| F13480-0100 | 1" x 15yds, 1" core   | White  | F13482-0100 | 1" x 15yds, 1" core   | Green  |
| F13483-0050 | 1/2" x 40yds, 3" core | White  | F13486-0050 | 1/2" x 40yds, 3" core | Green  |
| F13483-0075 | 3/4" x 40yds, 3" core | White  | F13486-0075 | 3/4" x 40yds, 3" core | Green  |
| F13483-0100 | 1" x 40yds, 3" core   | White  | F13486-0100 | 1" x 40yds, 3" core   | Green  |
| F13490-0050 | 1/2" x 60yds, 3" core | White  | F13484-0050 | 1/2" x 40yds, 3" core | Red    |
| F13490-0075 | 3/4" x 60yds, 3" core | White  | F13484-0075 | 3/4" x 40yds, 3" core | Red    |
| F13490-0100 | 1" x 60yds, 3" core   | White  | F13484-0100 | 1" x 40yds, 3" core   | Red    |
| F13481-0050 | 1/2" x 15yds, 1" core | Yellow | F13487-0050 | 1/2" x 40yds, 3" core | Blue   |
| F13481-0075 | 3/4" x 15yds, 1" core | Yellow | F13487-0075 | 3/4" x 40yds, 3" core | Blue   |
| F13481-0100 | 1" x 15yds, 1" core   | Yellow | F13487-0100 | 1" x 40yds, 3" core   | Blue   |
| F13485-0050 | 1/2" x 40yds, 3" core | Yellow | F13488-0050 | 1/2" x 40yds, 3" core | Orange |
| F13485-0075 | 3/4" x 40yds, 3" core | Yellow | F13488-0075 | 3/4" x 40yds, 3" core | Orange |
| F13485-0100 | 1" x 40yds, 3" core   | Yellow | F13488-0100 | 1" x 40yds, 3" core   | Orange |

## XR Airjet Sample Coolers



### Variable Temperature Control of NMR Samples

- Temperature control from -90 to +100 °C
- Non-magnetic delivery lines are ideal for NMR applications
- Low-loss adapters available for most Bruker® and Phoenix® probes

| Catalog No. | Max. Low Temp. | Temp. Control Range | Temp. Control Stability | Flow Rate Range                 | Electrical             |
|-------------|----------------|---------------------|-------------------------|---------------------------------|------------------------|
| XR402       | -40° C         | -40 to 100° C       | ± 0.5 °C                | 0.25 to 2 scfm<br>(7 to 56 lpm) | 120V/60Hz or 220V/50Hz |
| XR902       | -90° C         | -90 to 100° C       | ± 0.5 °C                | 0.25 to 2 scfm<br>(7 to 56 lpm) | 120V/60Hz or 220V/50Hz |

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Bruker® is a registered trademark of Bruker-Physik GmbH

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[service@spscientific.com](mailto:service@spscientific.com)

## 5mm OD Thin Walled Precision NMR Tubes

- Inner surface resistant to strong acid and base at ambient temperature
- Can be operated safely at temperatures up to 230°C, and within a temperature step of 120°C
- Ideal for experiments requiring critical shimming quality (high/ultrahigh field, non-spinning, multi-dimensional, multi-nuclei, DNP experiments and studies involving biological samples)

| Catalog No. | MHz Rating | Length | O.D.              | I.D.              | Concentricity | Camber |
|-------------|------------|--------|-------------------|-------------------|---------------|--------|
| 542-PP-7    | 1000       | 7"     | 4.9635 ± 0.0065mm | 4.2065 ± 0.0065mm | 2.5µm         | 3.8µm  |
| 541-PP-7    | 800        | 7"     | 4.9635 ± 0.0065mm | 4.2065 ± 0.0065mm | 3.8µm         | 3.8µm  |
| 535-PP-7    | 600        | 7"     | 4.9635 ± 0.0065mm | 4.2065 ± 0.0065mm | 13µm          | 6µm    |
| 528-PP-7    | 500        | 7"     | 4.9635 ± 0.0065mm | 4.2065 ± 0.0065mm | 25µm          | 13µm   |
| 527-PP-7    | 400        | 7"     | 4.9635 ± 0.0065mm | 4.2065 ± 0.0065mm | 25µm          | 25µm   |
| 526-PP-7    | 350        | 7"     | 4.9635 ± 0.0065mm | 4.2065 ± 0.0065mm | 51µm          | 13µm   |
| 507-PP-7    | 300        | 7"     | 4.9635 ± 0.0065mm | 4.2065 ± 0.0065mm | 51µm          | 25µm   |
| 506-PP-7    | 200        | 7"     | 4.9635 ± 0.0065mm | 4.2065 ± 0.0065mm | 51µm          | 51µm   |
| 505-PS-7    | 100        | 7"     | 4.9635 ± 0.0065mm | 4.21 ± 0.13mm     | 76µm          | 51µm   |



## 5mm OD Thin Walled High Throughput NMR Tubes

- Average camber of 60 microns to guarantee the clarity of the spectrum for small molecule (MW<250) samples up to 600 MHz
- Designed for routine use in most low to mid field NMR spectrometers
- Guaranteed to fit tightly in spinner turbine

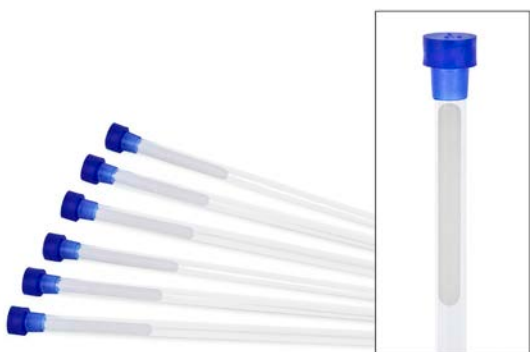


| Catalog No.   | Length | O.D.            | Wall Thickness | Quantity / Pack |
|---------------|--------|-----------------|----------------|-----------------|
| WG-1000-7-50  | 7"     | 4.947 ± 0.019mm | 0.43mm         | 50              |
| WG-1000-7     | 7"     | 4.947 ± 0.019mm | 0.43mm         | 100             |
| WG-1000-7-SJ* | 7"     | 4.947 ± 0.019mm | 0.43mm         | 100             |
| WG-1000-8-50  | 8"     | 4.947 ± 0.019mm | 0.43mm         | 50              |
| WG-1000-8     | 8"     | 4.947 ± 0.019mm | 0.43mm         | 100             |

\*Comes with Bruker® Sample Jet caps

## 5mm OD Large Writing Area High Throughput NMR Tubes

**NEW**



- 2x larger marking area eliminates cramped and unreadable sample names
- Silkscreened writing area keeps sample names from easily wiping off
- Designed for routine use in most low to mid field NMR spectrometers

| Catalog No.  | Length | O.D.            | Wall Thickness | Quantity / Pack |
|--------------|--------|-----------------|----------------|-----------------|
| WG-1003-7-25 | 7"     | 4.947 ± 0.019mm | 0.43mm         | 25              |
| WG-1003-7-50 | 7"     | 4.947 ± 0.019mm | 0.43mm         | 50              |
| WG-1003-7    | 7"     | 4.947 ± 0.019mm | 0.43mm         | 100             |

## Benchtop Spectrometer NMR Tubes



- Ideal for use with 43, 60, and 80MHz manual sample loading benchtop NMR spectrometers
- Tested in most popular benchtop spectrometers to assure performances
- Attractively priced for a high-throughput laboratory environment

| Catalog No.   | Length | O.D. | Wall Thickness | Quantity / Pack |
|---------------|--------|------|----------------|-----------------|
| WG-BTNMR-7-25 | 7"     | 5mm  | 0.43mm         | 25              |
| WG-BTNMR-7    | 7"     | 5mm  | 0.43mm         | 150             |
| WG-BTNMR-8-25 | 8"     | 5mm  | 0.43mm         | 25              |
| WG-BTNMR-8    | 8"     | 5mm  | 0.43mm         | 150             |



## NMR Tube Rack

- Lightweight polypropylene rack maximizes benchtop storage capacity and is virtually inert

| Catalog No. | Maximum O.D. | Capacity |
|-------------|--------------|----------|
| 820-A       | 5mm          | 72 Tubes |

## NMR Spinner Turbines for Bruker® Spectrometers in Assorted Colors NEW

- Manufactured to precision standards that meet or exceed those of the spectrometer manufacturer
- Assorted colors ideal for sample identification in multi-user facilities
- Susceptibility matched to Bruker® originals
- Ambient temperature turbines allow for  $\pm 25^{\circ}\text{C}$  variable



| Catalog No. | Color  | Temperature Range | Fits Tube Size |
|-------------|--------|-------------------|----------------|
| STB-5       | White  | -20° to 60°C      | 5mm            |
| STB-5-BLK   | Black  | -20° to 60°C      | 5mm            |
| STB-5-BLU   | Blue   | -20° to 60°C      | 5mm            |
| STB-5-GRN   | Green  | -20° to 60°C      | 5mm            |
| STB-5-RED   | Red    | -20° to 60°C      | 5mm            |
| STB-5-YLW   | Yellow | -20° to 60°C      | 5mm            |

Contact SP Wilmad-LabGlass to order: 1-800-220-5171 or [cs@wilmad-labglass.com](mailto:cs@wilmad-labglass.com)

## Rotor and Cap for Bruker® MAS-NMR

- MAS rotors are 100% compatible with most solid state NMR spectrometers
- Some caps are fitted with O-Rings for improved sealing
- Thoroughly inspected to ensure no material irregularities

| Catalog No.                  | Description                                                       | Material | Temperature Range |
|------------------------------|-------------------------------------------------------------------|----------|-------------------|
| <b>3.5mm Rotors and Caps</b> |                                                                   |          |                   |
| WP-501-3180-SET1             | 1 Rotor, 2 Vespel® Caps and Bottoms                               | Various  | -30 to 70°C       |
| WP-501-3180                  | Rotor Body, Both Ends Open                                        | Zirconia | -150 to 650°C     |
| WP-602-3181                  | Rotor Cap                                                         | Vespel®  | -30 to 70°C       |
| WP-602-3182                  | Bottom Plug                                                       | Vespel®  | -30 to 70°C       |
| WP-603-3181                  | Rotor Cap                                                         | Kel-F®   | -20 to 70°C       |
| WP-603-3182                  | Bottom Plug                                                       | Kel-F®   | -20 to 70°C       |
| <b>4mm Rotors and Caps</b>   |                                                                   |          |                   |
| WP-501-4180-SET-1            | 1 Rotor, 2 Kel-F® Caps, 1 Torlon® Cap                             | Various  | -100 to 200°C     |
| WP-501-4180-SET-2            | 2 Rotor, 4 Kel-F® Caps, 1 Torlon® Cap                             | Various  | -100 to 200°C     |
| WP-501-4180-SET-5            | 5 Rotor, 10 Kel-F® Caps, 3 Torlon® Cap                            | Various  | -100 to 200°C     |
| WP-601-4181                  | Cap                                                               | Kel-F®   | Ambient           |
| JK-601-4181                  | Cap with O-Ring                                                   | Kel-F®   | -20 to 70°C       |
| JK-602-4181                  | Cap with O-Ring                                                   | Macor®   | -100 to 200°C     |
| JK-603-4181                  | Cap with O-Ring                                                   | Torlon®  | -100 to 200°C     |
| JK-604-4181                  | Cap with O-Ring                                                   | Vespel®  | -100 to 200°C     |
| WP-501-4180                  | Rotor Body                                                        | Zirconia | -150 to 650°C     |
| WP-501-4181                  | Rotor Body w/ Laser Marked Serial Number, Tachometer Mark on Base | Zirconia | -150 to 650°C     |

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## Heli-Pak Column Packing



### Easily Remove and Clean

- Low H.E.T.P. for random packing
- Maximum effectiveness requires no laborious or critical filling techniques
- Economical to use on a per plate and per distillation basis

| Catalog No. | Material            | Dimensions (L x W x H) | For Use With         | Quantity / Pack |
|-------------|---------------------|------------------------|----------------------|-----------------|
| PD-3008     | 316 Stainless Steel | 2.3 x 4.4 x 4.4mm      | 25mm I.D. Columns    | 1 lbs.          |
| PD-3012     | 316 Stainless Steel | 0.9 x 1.8 x 1.8mm      | 5-15mm I.D. Columns  | 1 lbs.          |
| PD-3013     | 316 Stainless Steel | 1.3 x 2.5 x 2.5mm      | 10-30mm I.D. Columns | 1 lbs.          |

## Distilling Column/Condenser



- Indentations help support random packing materials
- Drip tip joint at bottom

| Catalog No. | Column Length | Joint    |
|-------------|---------------|----------|
| LG-5794-100 | 100mm         | ST 14/20 |
| LG-5794-102 | 200mm         | ST 14/20 |
| LG-5794-104 | 100mm         | ST 19/22 |
| LG-5794-106 | 200mm         | ST 19/22 |
| LG-5794-108 | 200mm         | ST 24/40 |

## Raschig Rings Column Packing

- Provides large surface area for interaction between liquid and gas vapors
- Ideal for use with nuclear materials



| Catalog No. | Material           | O.D. x Length | Quantity / Pack |
|-------------|--------------------|---------------|-----------------|
| LG-6740-100 | Borosilicate Glass | 6 x 6mm       | 1 lbs.          |
| LG-6740-102 | Borosilicate Glass | 7 x 7mm       | 1 lbs.          |
| LG-6740-104 | Borosilicate Glass | 8 x 8mm       | 1 lbs.          |
| LG-6740-106 | Borosilicate Glass | 12 x 12mm     | 1 lbs.          |

## TLC Developing Chromatography Tanks

- Complete with standard ground glass stopper
- Used with small to large TLC plates
- Manufactured from borosilicate glass



| Catalog No. | Size       | Joint    |
|-------------|------------|----------|
| LG-4595-096 | 25 x 75mm  | ST 34/12 |
| LG-4595-098 | 25 x 100mm | ST 34/12 |
| LG-4595-100 | 50 x 100mm | ST 60/21 |
| LG-4595-102 | 50 x 200mm | ST 60/21 |

## FILTERWARE® Complete Filter Funnel Apparatus

- Filtration system consist of glass funnel, fritted glass support base, aluminum clamp, and silicone stopper
- For use with filter flasks



| Catalog No. | Capacity | Stopper Size | Filter Size |
|-------------|----------|--------------|-------------|
| BP-1755-000 | 300ml    | No. 8        | 47mm        |
| BP-1755-090 | 1000ml   | No. 8        | 90mm        |

## Precision Bore Class A Burettes with PTFE Stopcock

- Has straight 2mm PTFE stopcock
- Calibration in compliance with ASTM E 694
- Manufactured from borosilicate glass



| Catalog No.  | Capacity | Subdivisions | Tolerance |
|--------------|----------|--------------|-----------|
| LG-3956T-100 | 10ml     | 1/20ml       | 0.02ml    |
| LG-3956T-102 | 25ml     | 1/10ml       | 0.03ml    |
| LG-3956T-104 | 50ml     | 1/10ml       | 0.05ml    |
| LG-3956T-106 | 100ml    | 1/5ml        | 0.10ml    |

## Fat Extraction Flasks

- Ideal for the measurement of fat content in dairy and other food products
- Tooled to accept rubber stoppers (not included)
- Manufactured from borosilicate glass



| Catalog No. | Capacity | O.D. |
|-------------|----------|------|
| LG-6912-100 | 110ml    | 35mm |
| LG-6912-102 | 260ml    | 48mm |

## Laboratory Glassware Washers



### Engineered for Durable, Reliable and Energy Efficient Operation

- All models come with top and bottom stainless steel open racks to accommodate a variety of glassware
- Spindle Rack Ready models can accommodate direct injection spindle racks (sold separately) for narrow-neck glassware
- Wide variety of baskets and accessories available



| Catalog No.   | Description*                                                                        | Dimensions (W x D x H)                              | Electrical      |
|---------------|-------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------|
| UCW-HA00001   | Undercounter Standard Washer                                                        | 610 x 580 x 875-924mm<br>(24.0 x 22.8 x 34.4-36.4") | 115V, 60Hz, 15A |
| UCW-HA10001** | Undercounter With DI Rinse                                                          | 610 x 580 x 875-924mm<br>(24.0 x 22.8 x 34.4-36.4") | 115V, 60Hz, 15A |
| UCW-HA20001** | Undercounter With DI Rinse & Spindle Rack Ready                                     | 610 x 580 x 875-924mm<br>(24.0 x 22.8 x 34.4-36.4") | 115V, 60Hz, 15A |
| UCW-HA00101   | Freestanding/Mobile Standard Washer                                                 | 610 x 616 x 978mm<br>(24.0 x 24.25 x 38.5")         | 115V, 60Hz, 15A |
| UCW-HA10101** | Freestanding/Mobile With DI Rinse                                                   | 610 x 616 x 978mm<br>(24.0 x 24.25 x 38.5")         | 115V, 60Hz, 15A |
| UCW-HA20101** | Freestanding/Mobile With DI Rinse & Spindle Rack Ready                              | 610 x 616 x 978mm<br>(24.0 x 24.25 x 38.5")         | 115V, 60Hz, 15A |
| VSW-HA00001   | Vertical Stack Standard Washer                                                      | 670 x 592 x 1994mm<br>(26.4 x 23.3 x 78.5")         | 115V, 60Hz, 15A |
| VSW-HA11001   | Vertical Stack Washer with Top & Bottom DI rinse                                    | 670 x 592 x 1994mm<br>(26.4 x 23.3 x 78.5")         | 115V, 60Hz, 15A |
| VSW-HA22001** | Vertical Stack Washers with Top & Bottom DI rinse & Spindle Rack Ready              | 670 x 592 x 1994mm<br>(26.4 x 23.3 x 78.5")         | 115V, 60Hz, 15A |
| VSW-HA12001** | Vertical Stack Washers with Top DI rinse only, Bottom DI rinse & Spindle Rack Ready | 670 x 592 x 1994mm<br>(26.4 x 23.3 x 78.5")         | 115V, 60Hz, 15A |

\*Washers also available in 230 V/50 Hz configuration

\*\*If your incoming DI water pressure is less than 80 psi a DI booster pump (catalog no. 446508, sold separately) must be utilized

## miVac DNA Sample Concentrators



- Specifically designed for working with nucleic acids – RNA and DNA, capable of removing water and simple organic solvents, up to 100°C from small amounts of samples in a variety of formats
- Supplied complete with a built-in high performance pump, concentration chamber and fixed angle aluminum rotor to hold 48 - 1.5/2.0 microcentrifuge tubes
- A wide range of interchangeable optional rotors are also available

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| <b>Catalog No.</b>            | DNA-12060-C00                                                   |
| <b>Includes</b>               | Concentrator; Vacuum Pump; Rotor: Controls (Housed in One Unit) |
| <b>Max. G-Force</b>           | 250                                                             |
| <b>Dimensions (W x D x H)</b> | 360 x 597 x 300mm<br>(14.2 x 23.5 x 11.8")                      |
| <b>Weight</b>                 | 75lbs (34kg)                                                    |

[sp-scientificproducts.com/genevac](http://sp-scientificproducts.com/genevac)

### SP Market Leading Brands of Scientific Products Include:

**Bel-Art | FTS | Genevac | Hotpack | Hull | i-Dositecno | Service | Virtis | Wilmad-LabGlass**

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