

## 96 Deep-Well Plate

### Expanded Capability for Multi-Channel Pipetting

Offers the working volume of a culture tube and the convenience of a 96 well plate format. Can be used for a variety of processes and operations such as sequencing, precipitations and dilutions, and is compatible with deep-freezing work or sample storage. Ideal for manual 8 and 12 multi-channel pipetting procedures and compatible with robotic sampling processors and automated liquid handling systems. Some of the compatible robotic workstations include Zymark, Tecan, Hamilton Rasys and Beckman. The plates are molded of autoclavable polypropylene, and each 2ml well has a round bottom for easy sample retrieval. Wells are alphanumerically identified. An optional, specially designed polypropylene cover separates each well with a sealing ring to reduce evaporation and permits safe and stable stacking of plates. Covers are keyed to fit only one way. Individually packaged and available sterile or non-sterile. Steam autoclavable at 121°C (250°F) Dimensions: 12.8 x 8.5 x 4.1cmH (5 x 3 $\frac{3}{8}$  x 1 $\frac{5}{8}$ "). Side loader collars are required for side loading Beckman Biomek Systems. **24 per pack.**



CATALOG NO.	DESCRIPTION	QUANTITY
F37860-0000	Non-sterile, 96-well footprint, individually packed	24
F37860-0001	Sterile, 96-well footprint, individually packed	24
F37860-0004	Covers	24
F37860-0005	Side Loader Collars	24

## CUBE 2UBE™ Rack and Tubes

### Sample Storage and Dilutions Made Easier

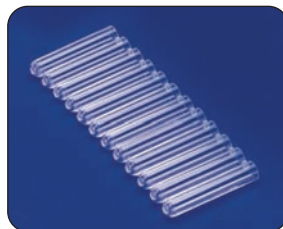
Offers the advantages and convenience of pipetting 2.2ml per tube in a 8 x 12 grid, 96-well format. The patented CUBE 2UBE™ Tubes fit most automated liquid handling systems and can be centrifuged up to 14,000 RPM. Made of polypropylene, they can be frozen to -20°C and are compatible with Beckman BioMek 1000, Tecan, Hamilton and other robotic workstations. Each tube has a capacity of 2.2ml or 211ml per rack of 96 tubes.



CATALOG NO.	DESCRIPTION	QUANTITY
A. F37851-1000	Polypropylene Tubes	1000
B. F37853-0001	Cap Strip, Polyethylene: 80, 12-cap strips	960
C. F37856-0000	Rigid Rack with Cover, Polypropylene	10

## Mini-Tubes

1ml volume Mini-Tubes offer a convenient and economical means of performing laboratory procedures using multi-channel pipettors of four, eight or twelve channels. The Mini-Tubes are made of virgin, medical grade polypropylene resins and feature an attachment bridge between tubes, forming a Mini-Tube strip which can be easily separated into single tubes by cutting apart. May be autoclaved at 121°C (250°F) or frozen to -20°C. Tubes measure 3.9cm (1.53") in length with a 6.2mm (¼") O.D. **4,800 per pack.**



### CATALOG NO.

F37857-0000

### DESCRIPTION

Mini-Tubes, 400 12-tube strips



## Adjustable Microplate Tilting Stand

### Minimize Pipetting Errors

Make precise additions of liquid components to microplate wells by adjusting plates to the most convenient angle. Helps reduce errors in non-manifold additions of assay components to a multiwell microplate, including expensive, hazardous or radioactive materials. The angular presentation of the plate and clear acrylic platform beneath allows you to easily judge which wells have received liquid addition by comparing the menisci between neighboring wells. An epoxy coated steel base provides

stability, and the hand adjustable clamping screws maintain the desired angle. Holds all sizes of microplates. Max tilt 45°. Pivots on 2 screws.



### CATALOG NO.

F18938-0000

### DIMENSIONS (L x W x H)

11.4 x 16.5 x 5.7cm (4½ x 6½ x 2¼")

## Tissue Culture Flask Racks

### Prevents Tipping Flasks

These polypropylene racks hold 25cc, 75cc (50 - 75 ml or 250 - 260 ml) or similar sized tissue culture flasks in a vertical position. Rectangular holes in the top and center plates stabilize the flasks preventing tipping. Flasks can be easily organized to improve processing and to avoid errors in collecting used media, media change, washing of cell monolayer, trypsinization and seeding of cells. Grips on each end make rack handling easy and allow for safe transport of flasks to the incubator. Steam autoclavable at 121°C (250°F). **Per each, 4 per case.**



### CATALOG NO.

F18970-0001

### FITS FLASK

25cc

### # OF FLASKS

12

### DIMENSIONS (L x W x H)

23 x 13.7 x 10.7cm

(9.1 x 5.4 x 4.2")

F18970-0002

75cc

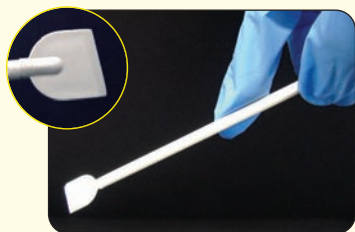
5

29.7 x 12.5 x 13.2cm

(11.7 x 4.9 x 5")

260ml

## NEW PRODUCT!



### Cell Lifter

Use this economical and reusable Cell Lifter to scrape cell lysates as well as to remove and harvest tissue cultures from all types of dishes. The narrow blade is ideal for use in 35 and 60mm Petri dishes and 6 and 12 well cell culture clusters. The angled and chiseled blade with smooth handle is molded from polypropylene for good chemical resistance, easy cleaning and autoclaving at 121°C (250°F). **Per each, 10 per pack.**



#### CATALOG NO.

F37756-0010

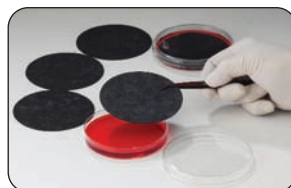
#### DIMENSIONS (L x W)

21.0 x 1.6cm (8¼ x ⅝")

## Charcoal Disks

*Efficiently Capture Volatile S-35 Radioactive Component during Labeling*

Activated charcoal impregnated into each Disposable Charcoal Disk absorbs most of the volatile S-35 radioactive component, before it can escape from the Petri dish during metabolic labeling. The sterilized disk is placed inside the lid of the 100mm Petri dish used for labeling. After use, disks are disposed of in regular beta waste containers. Dynamic Duo! Combine the Charcoal Disks with Charcoal Cartridges, F24989, which are placed on the incubator shelves to trap the volatile S-35 radioactive component that may have escaped from Petri dishes equipped with Charcoal Disks. **50 per pack.**



#### CATALOG NO.

F13557-0000



## Disposable Charcoal Cartridge

*Safely Absorb the Volatile S-35 Radioactive Component during Labeling*

These disposable, activated charcoal cartridges efficiently absorb the S-35 radioactive component released from S-35 labeled amino acids. Capturing the released volatile radioactivity lessens the chance of breathing the volatile component and reduces contamination of the incubator and the water in the humidity pan. Place cartridges on the incubator shelf and, after use, dispose in regular beta waste containers. Cartridges are sealed with a highly porous durable membrane. For increased safety, combine with Sterile Activated Charcoal Disks F13557 (which fit directly inside the lid of a 100mm Petri dish) to trap the S-35 volatile radioactive component within the Petri dish. **3 per pack.**

#### CATALOG NO.

F24989-0000

**NEW PRODUCT!**

## Vacuum Aspirator Bottles

For effortless, continuous vacuum aspiration of a variety of liquids, including tissue culture media, supernatants, and chemical wastes. The heavy-wall polypropylene collection bottle is chemical and corrosion resistant, while the included trap protects the vacuum source from overflow. Collection bottle and trap are neatly organized and contained in a compact epoxy-coated steel frame that will not crowd the workspace. The screw cap on the collection bottle contains a safety release vent, which prevents vacuum implosion, while UV inhibitors molded into the collection bottle allow it to be safely exposed to UV sterilization cycles. Connect a disposable pipette tip, Pasteur pipette or other suitable tip to the flexible collection tubing ( $\frac{1}{4}$ " ID X  $\frac{3}{8}$ " OD), then connect the vacuum line to vacuum source and the aspirator is ready for continuous vacuum aspiration from Petri dishes, microtiter plates, flasks, centrifuge tubes, and more.

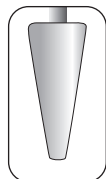
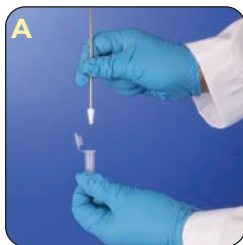


CATALOG NO.	DESCRIPTION
F19917-0001	Vacuum Aspirator Bottle, 0.5 gal (1.9 liter)
F19917-0002	Vacuum Aspirator Bottle, 1.0 gal (3.8 liter)

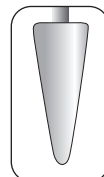
## Teflon® Pestles for Microcentrifuge Tubes

*Choose Flat or Round Tip for Best Tube Fit*

Ideal for resuspending lyophilized products or precipitates, and for homogenizing samples in a microcentrifuge tube. The Teflon® pestle is mounted on a stainless steel shaft, 3.2mm ( $\frac{1}{8}$ ") in diameter that may be hand-held or mounted in a motorized chuck. Available in flat or rounded tip. Overall length 14.3cm (5 $\frac{1}{2}$ "). Steam autoclavable at 121°C (250°F).



**A. Flat Tip**  
F19922-0000  
F19922-0004



**B. Rounded Tip**  
F19922-0001  
F19922-0005

Illustrations are actual size.

Use to determine the best pestle shape for your needs.



CATALOG NO.	DESCRIPTION
<b>A. F19922-0000</b>	Pestle for 1.5ml microcentrifuge tube, flat tip cone
<b>B. F19922-0001</b>	Pestle for 1.5ml microcentrifuge tube, rounded tip cone

*See next page for Double-ended Pestles*



## Double-Ended Teflon® Pestles for Microcentrifuge Tubes

One end fits a 1.5ml microcentrifuge tube, and the other end fits a 0.5ml tube. Available in flat or rounded tip. Stainless steel shaft with an overall length of 15.2cm (6").



### CATALOG NO.

### DESCRIPTION

A. F19922-0004

1.5ml/0.5ml flat tips

B. F19922-0005

1.5ml/0.5ml rounded tips



## Disposable Polypropylene Pestles and 1.5ml Tubes

*Matched Shape for a Perfect Fit*

These disposable pestles are 8.5cm (3½") long and are supplied with 1.5ml microcentrifuge tubes of the same shape. Excellent for resuspending bacterial cells, precipitates of nucleic acids or proteins and pellets of other materials. **100 per bag, 10 bags per case.**



### CATALOG NO.

### DESCRIPTION

F19923-0000

100 Pestles and 100 1.5ml tubes

F19923-0001

100 Pestles Only

## Extended Handle Pestle

*Autoclavable*

Polypropylene tissue grinder efficiently homogenizes tissue and cells in microcentrifuge tubes, centrifuge and grinding tubes. The cone tip tapers from 8.2mm (0.33") down to 2.9mm (0.12") in a length of 19.8mm (0.78") and has a rounded end. 21cm (8¼") long overall with a 4.7mm (¾") diameter shaft. Steam autoclavable at 121°C (250°F). **6 per pack, 6 packs per case.**



### CATALOG NO.

### DESCRIPTION

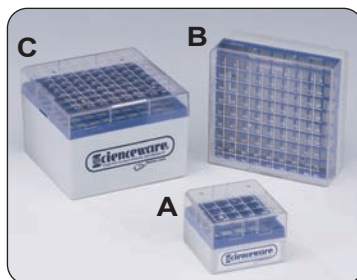
F19921-0001

Conical Grinder, 1.5ml capacity

## Cryo-Safe™ Vial Storage Boxes

*Clear Covers to See Contents without Opening Lid*

Durable polycarbonate boxes are ideal for compact storage of 1.2, 2.0 or 5.0ml cryogenic vials. They can be used in temperatures ranging from -196°C to +121°C. Clear lids can be written on and have a printed grid for easy inventory. A keyed corner aligns the lid with identifying numbers on the rack. Also useful as mailers for vials. F18849-0001 can be used with F18853 series Cryo Tower Storage Systems (below) to save valuable bench space. **Per pack, 6 packs per case.**



CATALOG NO.	FOR VIALS	PLACES	DIMENSIONS (L x W x H)	PATTERN	PACK
A. F18849-0000	1.2 - 2.0ml	25	7.6 x 7.6 x 5.1cm (3 x 3 x 2")	5 x 5	8
B. F18849-0001	1.2 - 2.0ml	81	13.3 x 13.3 x 5.1cm (5¼ x 5¼ x 2")	9 x 9	4
C. F18849-0002	5.0ml	81	13.3 x 13.3 x 9.5cm (5¼ x 5¼ x 3¾")	9 x 9	4



## Cryo Tower Storage Systems

*Save Space, Keep Convenience with Vertical Stacking Towers*

These polycarbonate storage towers are ideal for benchtop or incubator use, transportation, freezer and general purpose storage. A 15 x 15cm (6 x 6") footprint saves valuable bench space. Available in 4 and 8 level configurations, both towers accommodate Cryo-Safe™ Vial Storage Box F18849-0001 (sold separately above). Autoclavable at 121°C (250°F).



CATALOG NO.	DESCRIPTION	DIMENSIONS (L x W x H)
F18853-0004	4 Level	15 x 15 x 30cm (6 x 6 x 11¾")
F18853-0008	8 Level	15 x 15 x 59cm (6 x 6 x 23¼")



## “Hold the Cold” Cryo-Safe™ Coolers



*“Hold the Cold” without a Mess!  
Use in transit and on the bench, cooler walls are filled with a non-toxic gel that does not come in contact with contents of cooler.*



### -20°C Cryo-Safe™ Mini Cooler

*Lasts 1 Hour - 0.5, 1.5 or 2.0ml Tubes*

This small cooler safely holds twelve 0.5, 1.5 or 2.0ml microcentrifuge tubes or cryogenic vials at a temperature below -15°C for approximately 1 hour. The polycarbonate cooler body is filled with a non-toxic gel which cannot contact tubes, ensuring that markings and labels on tubes are safe. A clear polycarbonate lid shows positions of tubes and is keyed to correspond with positions printed on the cooler. Molded side handles allow secure grip for transfer. Coolers are stackable and have rubber feet to prevent sliding on the lab bench. Ideal for protecting valuable samples stored in a freezer with defrost cycle. Use included insert to hold 0.5ml microcentrifuge tubes. Store at -20°C for 24 hours prior to use.



CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)	WEIGHT
F18846-0020	0.5, 1.5 or 2.0ml	12	15.1 x 10.8 x 12.5cm (5 <sup>15</sup> / <sub>16</sub> x 4 <sup>1</sup> / <sub>4</sub> x 1 <sup>1</sup> / <sub>8</sub> " )	0.7Kg (1.5lb)



### 0°C Cryo-Safe™ Mini Cooler

*Lasts 2½ Hours - 0.5 or 1.5ml Tubes*

Benchtop sized cooler holds twelve 0.5 or 1.5ml microcentrifuge tubes at a temperature below 0°C for approximately 2½ hours. The polycarbonate cooler body is filled with a non-toxic gel which cannot contact tubes, ensuring that markings and labels on tubes are safe. A clear polycarbonate lid shows positions of tubes and is keyed to correspond with positions printed on cooler. Molded side handles allow secure grip for transfer. Coolers are stackable and have rubber feet to prevent sliding on the lab bench. Use included insert to hold 0.5ml microcentrifuge tubes. Ideal for protecting valuable samples stored in a freezer with defrost cycle. Store at -20°C for a few hours until the temperature of the cooler falls below 0°C.



CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)	WEIGHT
F18846-0000	0.5, 1.5ml	12	15.1 x 10.8 x 12.5cm (5 <sup>15</sup> / <sub>16</sub> x 4 <sup>1</sup> / <sub>4</sub> x 1 <sup>1</sup> / <sub>8</sub> " )	0.7Kg (1.5lb)

## 0°C Cryo-Safe™ Junior Cooler

*Lasts 3 Hours - 15ml Tubes*



Benchtop sized cooler holds twelve 15ml centrifuge or cryo vials at a temperature below 0°C for approximately 3 hours. The polycarbonate cooler body is filled with a non-toxic gel which cannot contact tubes, ensuring that markings and labels on tubes are safe. Coolers are stackable and have rubber feet to prevent sliding on the lab bench. Tubes up to 125mm tall can be accommodated when the clear polycarbonate lid is secured closed with the built-in wire carrying handle. Corresponding tube positions are printed on the keyed lid and cooler. Store at -20°C for a few hours until the temperature of the cooler falls below 0°C.



CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)	WEIGHT
F18846-1000	15ml	12	19.7 x 14 x 19cm (7¾ x 5½ x 7½")	1.6Kg (3.5lb)

## -20°C Cryo-Safe™ Maxi Cooler

*Lasts 1½ Hours - 0.5, 1.5 or 2.0ml Tubes*



This cooler safely holds thirty-two 0.5, 1.5 or 2.0ml microcentrifuge tubes or cryogenic vials at a temperature below -15°C for approximately 1½ hours. The polycarbonate cooler body is filled with a non-toxic gel, which can not contact tubes, ensuring that markings and labels on tubes are safe. The gel-filled polycarbonate lid extends temperature holding time and is secured closed with a built-in wire carrying handle.

Corresponding tube positions are printed on the keyed lid and near each well. Coolers are stackable and have rubber feet to prevent sliding on the lab bench. Use included insert to hold 0.5ml microcentrifuge tubes. Ideal for protecting valuable samples stored in a freezer with defrost cycle. Store at -20°C for 24 hours prior to use.



CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)	WEIGHT
F18846-2020	0.5, 1.5 or 2.0ml	32	24.3 x 15.7 x 14.6cm (9½ x 6¼ x 5¾")	2Kg (4.5lb)

## 0°C Cryo-Safe™ Maxi Cooler

*Lasts 3 Hours - 0.5 or 1.5ml Tubes*



Benchtop sized cooler holds thirty-two 0.5 or 1.5ml microcentrifuge tubes at a temperature below 0°C for approximately 3 hours. The polycarbonate cooler body is filled with a non-toxic gel, which cannot contact tubes, ensuring that markings and labels on tubes are safe. The gel-filled white polycarbonate lid extends temperature holding time and is secured

closed with the built-in wire carrying handle. Corresponding tube positions are printed on the keyed lid and near each well. Coolers are stackable and have rubber feet to prevent sliding on the lab bench. Use included insert to hold 0.5ml microcentrifuge tubes. Ideal for protecting valuable samples stored in a freezer with defrost cycle.

Store at -20°C for a few hours until the temperature of the cooler falls below 0°C.



CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)	WEIGHT
F18846-2000	0.5 or 1.5ml	32	24.3 x 15.7 x 14.6cm (9½ x 6¼ x 5¾")	2Kg (4.5lb)





## Cryo-Safe™ Mini Quick-Freeze Cooler

*Portable, Quick Freezing for 0.5 or 1.5ml Tubes*

Can be used for up to 45 minutes to rapidly and repeatedly chill biological samples for use in molecular biology. Applications such as ethanol precipitation of DNA/RNA samples are made easy, eliminating the inconvenience of traditional dry ice and alcohol baths. After storing the polycarbonate cooler overnight at -20°C, inserted samples freeze within a few minutes. Holds twelve 0.5 or 1.5ml microcentrifuge tubes. There is no direct contact between the tubes and the insulating solution, so labels and markings are safe. Coolers are stackable and have rubber feet to prevent sliding on the lab bench. A clear polycarbonate lid shows positions of tubes and is keyed to correspond with positions printed on cooler. Molded side handles allow secure grip for transfer. Use included insert to hold 0.5ml microcentrifuge tubes. Store at -20°C for 24 hours prior to use.



CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)	WEIGHT
F18846-0010	0.5 or 1.5ml	12	15.1 x 10.8 x 12.5cm (5 <sup>7</sup> / <sub>16</sub> x 4 <sup>1</sup> / <sub>4</sub> x 1 <sup>1</sup> / <sub>16</sub> " )	0.7Kg (1.5lb)

## Cryo-Safe™ -1°C Freeze Controller

The easy-to-use unit provides "controlled rate" freezing samples at approximately -1°C per minute, which is needed to prevent lethal intracellular freezing and successful cryopreservation. Prior to inserting vials, the unit should be filled with 250ml of 100% isopropyl alcohol. Once the samples have been inserted the unit should be placed in a -80°C mechanical freezer. The body of the container is clear polycarbonate, and the screw closure is high-density polyethylene. Placed inside the container is an 18 well, removable polyethylene vial holder that separates the vials from the isopropyl alcohol. A plastic foam insert surrounds the vial holder. Alcohol filled containers can be stored at room temperature. Universal symbols printed on the container show instructions for use.



CATALOG NO.	HOLDS VIALS	PLACES	CONTAINER I.D.	CLOSURE O.D.
F18844-0000	1.0 or 1.8ml	18	11.2 Dia. x 7.2cmH (4.4 x 2.8")	12.4cm (4.9")



## Cryo-Safe™ Cold Box

*Prevents Expensive Enzymes and Critical Samples from Warming*

Molded polystyrene container, with cover, has an internal 12-place support for 1.5 ml microcentrifuge tubes. The space surrounding the tubes is filled with a sealed-in material that maintains the low temperature required for safe storage and transport. When taken out of a -20°C freezer it will maintain a -15°C temperature for 1½ hours, and will remain below 0°C for 4 hours. **Per each, 8 per case.**



CATALOG NO.	HOLDS TUBES	PLACES	DIMENSIONS (L x W x H)
F18847-0002	1.5ml	12	11.7 x 11.7 x 7.1cm (4.6 x 4.6 x 2.8")

## Dialysis Cells...

are used in separation of proteins or other large molecules from solutions, pre-electrophoresis procedures, deionization of protein solutions, protein binding studies, drugs, dyes and metals. Used in quantitative removal of electrolytes from biological fluids, adjustment of composition and concentration of electrolytes in protein solutions, and changing ion environments of synthetic or natural polymers.

## Equilibrium Type Dialysis Cells

Made from clear acrylic, these dialysis cells have stainless steel screws that tighten down on the dialysis membrane also acting as a gasket. Filler hole screws on each half cavity are Teflon® TFE coated stainless steel. Volume shown is for one half cell (double for total cell volume). A red dot on one half of the equilibrium cell easily identifies the otherwise identical halves.



ACRYLIC

### CATALOG NO.

### CELL VOLUME (ONE HALF CELL)

H40260-0000

1ml

H40261-0000

5ml

H40262-0000

10ml



## In-Line Equilibrium Cell

### Five In-Line Cavities

Each half cavity has a top opening for introduction or withdrawal of solutions and holds 1ml in each half cell. Clear acrylic construction with 7 stainless steel screws and wing nuts for clamping cells and dialysis membrane. The cavity plug screws are Teflon® TFE coated stainless steel.

ACRYLIC

### CATALOG NO.

### DIMENSIONS (L x W x H)

H40317-0000

15.2 x 2.5 x 7.6cm (6 x 1 x 3")

Custom Designed Dialysis Cells Are Available on Request



## Dialysis Membranes

### *Transparent, High Permeability*

Regenerated cellulose sheet for use with all dialysis cells. Will retain materials having a molecular weight of 6000 and higher. Contains about 10% moisture including glycerin, water and 0.1% sulfur compounds. Can be steam sterilized but must be kept in water after washing or autoclaving in water to prevent drying. Sheet size 10.2 x 15.2 cm (4 x 6"). **100 sheets per plastic box.**

#### CATALOG NO.

H40299-0000

## Dialysis Bag Holder Clips

### *Strong Support*

Suspend dialysis bags in large beakers or pitchers up to 0.63cm (¼") thick with these strong clips. Bags slide easily into the slot and then the holder can be clipped onto the container's edge. Smooth polypropylene surface may be marked with identifying sequence numbers. Autoclavable. **6 per pack, 6 packs per case.**



#### CATALOG NO.

F18237-0000



## Fillpour™ Dialysis Tube Funnels

### *Easy Handling of Dialysis Tubes*

Reduces difficulties in handling narrow dialysis bags. Dialysis tubing is cut to length and knotted at the end. The other end is slipped onto the tube and held with Silicone Rubber Loops (F20308-0000 - page 13), or a rubber band. Three tube steps fit various sizes of dialysis tubing, and a three notched universal hanger supports the funnel on the edge of any vessel. Also features a captive cap with writing area. Steam autoclavable at 121°C (250°F). **10 per pack.**



#### CATALOG NO.

#### DESCRIPTION

F14848-0000

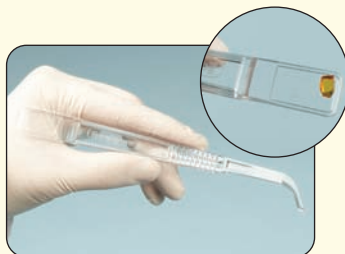
Small size with 5, 9 and 13.5mm diameter steps

F14848-0001

Large size with 13.5, 19 and 28mm diameter steps

**DNA Band Excisor****NEW PRODUCT!***Safely Excise DNA Bands; Protect Your Hands and Transilluminator**U.S. Patent D535,749*

Quickly and precisely excise selected DNA bands, as well as purified plasmid DNA preps, from electrophoresis gels without scratching expensive transilluminator screens. Unlike scalpels or razor blades, the DNA Band Excisor will not cause finger cuts, making them ideal for effective use in laboratories and in educational settings. The DNA Band Excisor speeds up processing time and reduces exposure of nucleic acids and user's hands to damaging UV light.



The thin, blade-like end is perfect for excising bands from agarose or polyacrylamide gels with precision, while the spatula end is beveled to help scoop and transport the excised piece of gel to a test tube. DNA Band Excisor can be discarded in standard trash receptacles; no need for sharps containers. **10 per pack.**

**CATALOG NO.**

F36970-0010

**DIMENSIONS (L x W)**15.4 x 1.8cm (6<sup>1</sup>/<sub>16</sub> x 1<sup>1</sup>/<sub>16</sub>" )**Gel Destaining Bag***Improve Safety While Saving Time and Money*

Efficiently absorbs many biological dyes including Coomassie blue. These activated charcoal bags can also be used to absorb the potentially mutagenic carcinogen, ethidium bromide, from nucleic acid staining solutions, permitting a safer and possibly more economical disposal of this hazardous waste. Accelerates destaining by absorbing stain as it leaches from a gel into the destaining solution. The Destaining Bags can then be properly discarded and the destaining solution reused. Each bag will absorb approximately 10mg of ethidium bromide. **5 per pack.**

**CATALOG NO.**

F13555-0000

**DIMENSIONS (L x W x H)**9 x 3.8 x 1cm (3<sup>1</sup>/<sub>2</sub> x 1<sup>1</sup>/<sub>2</sub> x 3<sup>8</sup>/<sub>16</sub>" )**Poxygrid® Hybridization Bottle Rack***Protects and Stores Hybridizing Bottles*

Heavy-duty rack protects your expensive bottles keeping them from rolling, tipping and striking against one another. Holds 150mm and 300mm long bottles with ample space in between to allow for the screw cap diameter and provide convenient handling. Made of welded steel rods, this rack is epoxy-coated for maximum protection, easy cleaning, and is steam autoclavable at 121°C (250°F). Rack is 13cm (5<sup>1</sup>/<sub>8</sub>" ) high, with six, 42mm (1<sup>7</sup>/<sub>16</sub>" ) square holes for 40mm diameter bottles.

**A****CATALOG NO.**

F16964-0006

**PLACES**

6

**DIMENSIONS (L x W x H)**13.7 x 19.8 x 13cm (5<sup>3</sup>/<sub>8</sub> x 7<sup>13</sup>/<sub>16</sub> x 5<sup>1</sup>/<sub>8</sub>" )

## NEW PRODUCT!



### Antibody Saver Tray

Minimize the use of expensive antibodies when incubating filters in the Western Blot process by using an optimally sized tray. Trays (B and C) are available for popular midi and mini gels. Tray A is a single lane tray in a set of five linked together for easier handling but can be separated. All trays are molded of polypropylene and include an attached lid to protect against spillage. Trays are stackable, reclosable and reusable. **Pack of 5.**

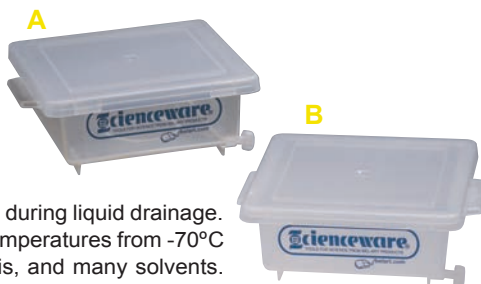


CATALOG NO.	DIMENSIONS
A. F45100-0000	1.6 x 11.5cm ( $\frac{5}{8}$ x 4 $\frac{1}{2}$ " ) Per Lane
B. F45100-0001	9.0 x 9.0cm (3 $\frac{1}{2}$ x 3 $\frac{1}{2}$ " )
C. F45100-0002	16.5 x 16.5cm (6 $\frac{1}{2}$ x 6 $\frac{1}{2}$ " )

### Gel Staining Boxes

*Includes Snap-on Lid*

Electrophoresis gels and membranes can be easily stained, destained, fixed and handled in these boxes. A drain (with LDPE plug) located flush with the bottom of the box minimizes disturbance of the gel during liquid drainage. The boxes and covers are unaffected by temperatures from -70°C to +70°C and are resistant to acids, alkalis, and many solvents. Inside dimensions of each box are 12.7 x 12.7 x 5.1cm deep (5 x 5 x 2") offering liquid capacity up to 750 ml. Select either clear PMP box for easier viewing or the economical polypropylene box. **Per each, 2 per case.**



CATALOG NO.	DESCRIPTION
A. F13551-1000	Clear Polymethylpentene (PMP) Box, Polypropylene Cover
B. F13551-1001	Translucent Polypropylene Box, Polypropylene Cover

## Electrophoresis Fixing Trays

These fixing trays allow the user to drain the fixing solution and then place filter paper on top of the gel while it rests in the tray. Solution is then recoverable for reuse. Also useful in electrophoresis destaining of large gels, these virtually unbreakable, heavy polyethylene trays are 6.4mm ( $\frac{1}{4}$ " thick with a top stiffening flange and 5 ribs in the bottom to raise the gel and plates. Extraction of the plates is facilitated by 9.5mm ( $\frac{3}{8}$ " square ridges running lengthwise that hold the plate off the tray. There is a drain stopcock in the side with 1.8 meters (6') of Vikem® vinyl tubing, 13mm ( $\frac{1}{2}$ " I.D. This permits more complete drainage of fluid into a receptacle and provides a slower, more controlled drain rate to avoid disturbing the gel. Hooks on the rim of the tray hold the tubing.



### CATALOG NO.

### DESCRIPTION

F13554-0000 Small Tray, inside 41 x 51 x 7.6cm deep (16 x 20 x 3")

F13554-0001 Large Tray, inside 55 x 65 x 10.2cm deep (21½ x 25½ x 4")

*Trays Can Be Custom Manufactured to Your Specifications*

## Electrophoresis Gel Plate Rack

*Separate Glass Plates to Reduce Chipping and Cracking*

Includes 10 places for holding glass plates with a weighted base for safety. Wide handles provide a secure grip while transporting the filled rack. Smooth polypropylene material cushions glass edges to reduce chipping and cracking. A flat area on each end is designed for labeling racks as 'used', 'unused', 'treated' or 'untreated'. Made of white polypropylene with steel fittings, the rack is 20.3 x 38.1 x 22.9cm (8 x 15 x 9") and weighs 3¼ lbs (1.7kg).



### CATALOG NO.

F13596-0000

## Electrophoresis Gel Plate Drying Rack

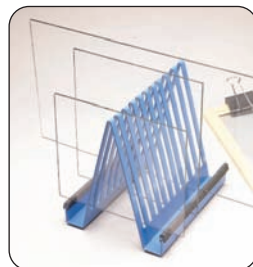
*Unmatched Versatility for Drying and Storage*

This sturdy, A-frame shaped rack holds glass electrophoresis plates upright for quick drying and convenient access. Rack has ten positions including three slots for large and double plates. All slots have soft plastic supports on each side to cushion plates. Rubber pads on the rack base prevent sliding. Made of steel construction with baked-on epoxy coating, this space saver is 20 x 16 x 18cm (7¾ x 6¼ x 7⅞"). Minimum width of plates supported is 16.5cm (6½").

STEEL

### CATALOG NO.

F13595-0000







## Autoradiography Pens with Handy Clip

*Clip One to Your Pocket for Quick, Accurate Film Marking*

### A. Normal Energy Level, Non-Radioactive Marker

Excellent for marking various substrates that are to be radiographed with run numbers, dates and exposure times, film alignment markings, etc. They incorporate a non-toxic phosphorescent material that will not leak or dry out, have no bladders or vials and no liquid to spill. Bright green markings are visible under normal conditions and do not glow in the dark, but will show up on X-ray film. The spectral peak is 5600 Angstroms. The non-radioactive energy emitted may be adjusted by exposure to normal incandescent or fluorescent white light. The 3 to 4 minute energy emission leaves a distinct impression but will not overexpose film as some products do. The pen is 11.4cm (4½") long with a pocket clip. A screw knob advances the writing tip, which retracts by reversing the screw knob and depressing the tip. **Per each, 6 per case. Not appropriate for phosphor screens.**

### B. High Energy Level, Non-Radioactive Marker

High Energy Level Pen has higher signal emission strength than the F13350 marker and a slightly longer duration of signal emission time. Best used for marking X-ray films similar to Kodak XLS. It also works well when film responsiveness is lowered as with chilled films which often require intensifier screen techniques. The mark emits no Beta or other isotope emission, only visible light. Therefore, the use of an intensifier screen will not occur as a variable in the X-ray marking procedure. **Per each, 6 per case. Not appropriate for phosphor screens.**

#### CATALOG NO.

#### DESCRIPTION

A. F13350-0000

Normal Energy Level

B. F13351-0000

High Energy Level

## Fluorescent Ruler

*Scale in Inches and Centimeters  
Glow Under UV Light*



This Metric/English scale is printed on plastic with a pink phosphorescent ink. Useful for all fluorescent viewing and fluorescent photographic work, the scale will glow visibly when illuminated with ultraviolet light and serves as a measure of nucleic acid mobility in gels. The scale is 0 to 15cm with millimeter increments on one edge and 0" to 6" divided into ¼" units on the other edge.

#### CATALOG NO.

F13355-0001

## X-Ray Film Box Holder Bag

### *Protects Film from Light Damage*

Keeps X-ray film safe in a dark protective environment, eliminating the risk of exposure. The outer surface of the bag is black, tightly woven nylon; inner lining is black opaque vinyl. A generous closing flap overlaps, securing the bag on all edges with a hook and loop sealing strip.



CATALOG NO.	FOR CASSETTES	BAG SIZE
F13352-0001	20 x 25cm (8 x 10")	30 x 36cm (12 x 14½")



## X-Ray Cassette Security Bags

### *Added Light Protection for X-Ray Film*

Intended to augment the light protection afforded by X-ray film cassettes which may leak light because of damage due to age, use, or sudden shock. Made of black nylon, the bag has a hook-and-loop sealing strip on its closing flap.

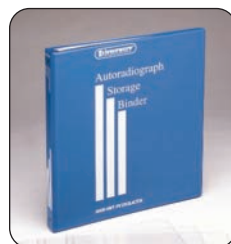


CATALOG NO.	FOR CASSETTES	BAG SIZE
F13353-0000	38.1 x 45.7cm (15 x 18")	43.2 x 53.3cm (17 x 21")
F13353-0001	20.3 x 25.4cm (8 x 10")	35.7 x 27.9cm (14 x 11")
F13353-0002	12.7 x 17.8cm (5 x 7")	24.1 x 26.0cm (9½ x 10¼")

## Gel Binder

### *Keep Autoradiography Film Handy and Organized*

This sturdy, vinyl covered 10-ring loose leaf binder stores and protects 36 x 43cm (14 x 17") film in transparent sheet protectors that provide easy viewing. X-ray films are placed two per sheet protector. 10 sheet protectors are supplied, additional replacement sheets are available.



CATALOG NO.	DESCRIPTION
H13553-0000	Gel Binder with 10 Sheet Protectors
F13553-0001	Replacement Sheet Protectors/pack of 10



## Bacterial Cell Spreaders

*Stainless Steel for Easy Sterilization*

Spread your bacterial cells onto the surface of an agar plate with these stainless steel cell spreaders. Available in two sizes, both have a smooth triangular end with a 20.3cm (8") long straight handle. They are autoclavable and can be flame sterilized.



### CATALOG NO.

### DESCRIPTION

F37736-0006 Small Cell Spreader for 6cm plates has a 16mm (.62") wide spreading bar

F37736-0009 Large Cell Spreader for 9cm plates has a 25mm (1.0") wide spreading bar

## Inoculating Turntable

*Lightweight and Portable*

This economical, hand-operated turntable allows even distribution of bacterial cells in Petri dishes from 60 through 100mm in diameter. Ball bearings ensure smooth and effortless spinning for faster and more accurate inoculation. The recessed, non-skid, neoprene turntable top keeps the Petri dishes in place and is removable for cleaning. The body of the unit is rugged and easy-to-clean polypropylene. Dimensions: 12.7 x 5cm H (5 x 2" H). Weight: 0.4kg (14.3oz.).

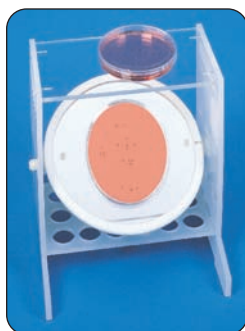


### CATALOG NO.

### DESCRIPTION

F40913-0000 Inoculating Turntable

F40913-0001 Replacement Pad for Turntable



## Plate Reader

*Safely View the Bottom of Microtiter Plates and Petri Dishes*

Plate reader has a clear deck for resting plates and a large, adjustable mirror for viewing their underside. This tool allows safe examination of the bottom of plates without risking spills on the face and eyes. It is ideal for examining cell monolayer, cell clones and for counting viral plaques or bacterial colonies. Other applications include easy and safe reading of hemagglutination, hemagglutination inhibition, hemolysis and agglutination tests. Mirror magnification is 3X actual plate size. Made of polypropylene with a glass-clear acrylic deck for placement of plates and Petri dishes.



### CATALOG NO.

F37861-0000

## Mini Magnifier

### *Hands-Free Viewing of Hard-to-See Items*

This free-standing magnifier allows enhanced viewing of Petri dishes, multi-well plates, x-ray films, stained gels, slides or text with a precision molded lens offering 1.75 magnification. The unique stand with an adjustable angle magnifier can be placed over a variety of objects including the Mini Light Box. Dimensions: lens 10.5 x 14.3cm (4 1/8 x 5 5/8"), stand 17.2cm (6 3/4") high. Weight: 368.5g (13 oz).



#### CATALOG NO.

F37865-0000



## Replica-Plating Device

### *Low-Cost, Accurate Method of Colony Replication*

Utilizes a locking ring which secures sterile velveteen squares onto a PVC cylinder for easy control of the plating device. To produce replicas, the Petri dish carrying microbial colonies is inverted and lowered onto the cloth surface, then lifted. A fresh sterile nutrient plate is then lowered onto the velveteen surface and lifted, leaving a replica of the original colonies in the new dish. May be disinfected between uses with a brief rinse in 70% ethanol or chlorine bleach. The aluminum ring is 10.2cm (4") diameter, and the PVC cylinder is 6.9cm (2 3/4") high. For use with 90 to 100mm Petri dishes. One 12 pc. bag of white velveteen squares (also below) is included. Not autoclavable.

#### CATALOG NO.

F37848-0000

## Velveteen Squares - Sterile

### *For Scienceware® Replica-Plating Device*

Sterile, 100% cotton, absorbent twill-backed velveteen squares are 15.2cm x 15.2cm (6 x 6"). **Available in Black or White packed in a sealed bag with three inner locking bags each containing 12 squares, 36 pcs. total.**



#### CATALOG NO.

#### DESCRIPTION

H37848-0001	36 Velveteen squares, White
H37848-0002	36 Velveteen squares, Black



## Hand Held Electronic Colony Counter

### *Faster, More Accurate Counting*

Marks, counts and confirms with a beep in a single motion. The lightweight 42.5 gm (1.5oz) pen-style counter features a four-digit LED display that shows cumulative count. A selector switch allows for counting up or down to correct errors, or to check the count by counting backwards. The long life, red and black felt-tip markers work on plastic or glass and are oil and water resistant. Ink is removable with ethyl alcohol. Powered by a 3V Lithium battery (included). Dimensions: 15.2 x 1.9 x 1.9cm (6 x ¾ x ¾").



CATALOG NO.	DESCRIPTION
H37862-0100	Replacement black tip
H37862-0150	Replacement red tip
F37862-0200	Replacement 3 V Lithium battery (Panasonic cr1220)

## Mini Light Box II

### *Compact and Lightweight*

Offers a color corrected fluorescent viewing surface (4¾" x 3¾") that is ideal for checking slides, plates, mini-gels, Petri dishes or X-ray films. Operates with 4 "AA" batteries (not included) or with an adapter suitable for both 120VAC and 240VAC (optional). A removable counting grid is included. Dimensions: 15.9 x 13.7 x 4.5cm H (6¼ x 5½ x 1¾ H"). Weight: 255g (9oz). Bulb: 4 watt fluorescent.



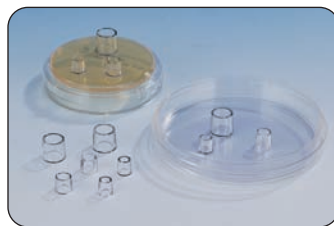
CATALOG NO.	DESCRIPTION
F37864-2000	Mini Light Box II
F37864-0100	Extra Counting Grids (5)
H37864-0301	AC Adapter (120VAC & 240VAC)

## Sterile Cloning Cylinders

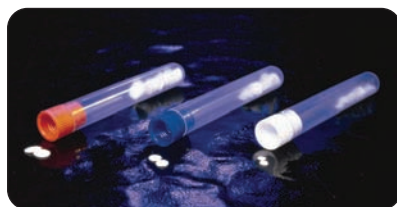
### *Convenient, Improved Cloning Technique*

These cloning cylinders facilitate the isolation of individual cell clones, each generated from a single cell, yielding a homogenous population of cells. To isolate a clone, a thin layer of grease is applied to the bottom edge of the cylinder and then inverted over the clone of choice. After adding a small volume of Trypsin or EDTA, the dish is incubated at 37°C (98.6°F) briefly until cells detach. Cells are then collected from inside the cylinder and transferred to another vessel for further growth.

Polystyrene cloning cylinders are supplied in sterile packs. Three sizes: 4.7mm I.D. x 8mm H, 6.4mm I.D. x 8mm H and 9.5mm I.D. x 11mm H. Each cylinder is tapered so the bottom edge is wider than the top ensuring a good sealing surface. **Packed 10 per bag, one size.**



CATALOG NO.	SIZE	PACKING DESCRIPTION	O.D.
H37847-0000	Assorted	4 bags of 10 of each size, 12 packs total	N/A
F37847-0100	Small	5 bags of 10 per pack	Top 7mm - Bot 8mm
F37847-0200	Medium	5 bags of 10 per pack	Top 8½mm - Bot 9½mm
F37847-0300	Large	5 bags of 10 per pack	Top 12mm - Bot 13mm



## Sterile Cloning Discs

### *RNase and DNase Free*

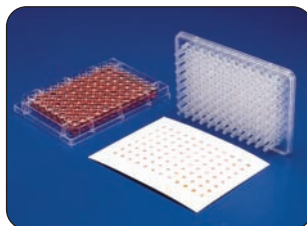
Saves time and reduces effort when isolating a large number of clones. The sterile paper discs transfer cells quickly and easily to a 24-well plate. Cloning discs have been sterilized by Gamma radiation. **2 vials of 50 discs per pack.**

CATALOG NO.	DIAMETER
F37847-0001	3.2mm (1/8")
F37847-0002	4.8mm (3/16")
F37847-0003	6.4mm (1/4")

## Bel-Blotter™ 96-Well Replicating Tool

### *Increase Productivity, Minimize Effort*

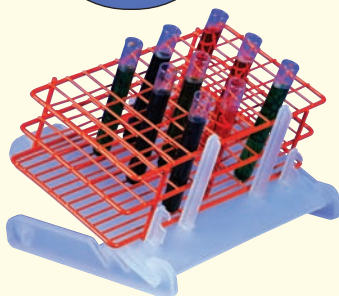
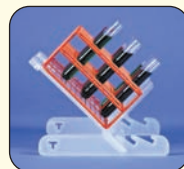
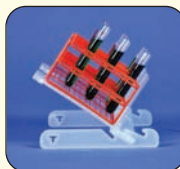
Designed to do tedious tasks with a minimum of effort, the 96 open-ended pipette tips of this unique product fit all types of 96 well plates from flat, vee or round bottom plates to 0.2ml thin walled PCR plates and tubes. Tip will retain up to 10ml of fluid for placement onto filter paper, plate or other receiving media. Can be used for replication of recombinant DNA libraries, inoculation of filters for colony hybridization, PCR, phage typing and other applications. Made of polycarbonate, it is easy-to-use, reusable and autoclavable. **Per each, 10 per case.**



CATALOG NO.
F37876-0002



## NEW PRODUCT!



### Rack Slanter

Tilt your test tube rack to 25°, 35° or 45°. Adjusting the angle of racks reduces hand strain when working with pipettors. Also ideal for creating agar slant tubes or use with the Mini-Magnifier to aid in the viewing of Petri dishes. Base legs have predetermined slots that stand slides in and out of to easily change angles. Fits racks up to 29.3 x 24.2 x 8.3cm H (11<sup>1</sup>/<sub>8</sub>" x 9<sup>5</sup>/<sub>8</sub>" x 3<sup>1</sup>/<sub>4</sub>"). Steam autoclavable at 121°C (250°F).



#### CATALOG NO.

#### DESCRIPTION

F18890-0100

Rack Slanter

F37865-0000

Mini Magnifier, See description page 215.

### Stackable Petri Dish Incubation Tray

Increases overall capacity of your incubator by holding five 100mm diameter or fifteen 60mm diameter Petri dishes. Each polypropylene tray includes two large label areas for critical sample identification by marker or label and holes in the tray bottom to facilitate air flow. *Not recommended above 100°C (212°F). Autoclaving may warp. Can be disinfected with 70% ethanol or common laboratory disinfectants.*

3 per pack, 4 packs per case.



#### CATALOG NO.

#### DESCRIPTION

#### DIMENSIONS (L x W x H)

F18983-1000

Polypropylene

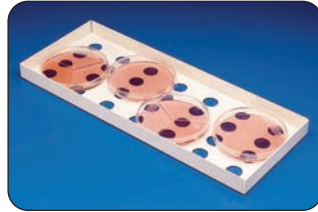
25.1 x 23.7 x 3.5cm (9<sup>7</sup>/<sub>8</sub> x 9<sup>3</sup>/<sub>8</sub> x 1<sup>1</sup>/<sub>8</sub>")

**Increase Storage Space without Losing Any Additional Work Area**

## Petri Dish Incubation Tray

### Organize Your Incubator

Petri dish incubator tray holds 100mm (4") Petri dishes securely on an incubator rack. It is an excellent aid for keeping cell cultures organized and has 28 holes in the bottom, 19mm ( $\frac{3}{4}$ ") in diameter, to allow air passage. Made from 1.6mm ( $\frac{1}{16}$ ") thick, white epoxy-coated steel. Steam autoclavable at 121°C (250°F) for 15-20 min.



CATALOG NO.	DESCRIPTION	DIMENSIONS (L x W x H)
F18983-0000	White, epoxy-coated Steel	34.9 x 13.7 x 2.2cm (13 $\frac{3}{4}$ x 5 $\frac{1}{4}$ x $\frac{1}{8}$ ")



## Stak-A-Tray™ System

### Maximize Incubator Space

Modular rack and tray system maximizes storage for Petri dishes and cell culture flasks in incubators, cold rooms or on the bench. Each rack has 4 tiers. Stack up to five racks for 20 levels of storage. Perforated trays allow air flow and slide easily in the rack. Each tier accommodates one large or two small trays. All parts are stainless steel and autoclavable at 121°C (250°F). Rack Dimensions: 37.5 x 10.8 x 35.8cm H (14 $\frac{3}{4}$  x 4 $\frac{1}{4}$  x 14 $\frac{1}{16}$ " H). Large Tray: 35.6 x 35.6cm (14 x 14"), Small Tray: 17.8 x 35.6cm (7 x 14"). Racks and trays sold separately.



Photo shows two racks stacked.

CATALOG NO.	DESCRIPTION
H18610-0420	Rack with two center supports (for larger culture flasks) 5cm (1.96") clearance between trays.
H18610-0440	Rack with four center supports (for Petri dishes and small culture flasks) 2.4cm (0.96") clearance between trays.
H18610-0470	Small tray, 17.8 x 35.6cm (7 x 14")
H18610-1440	Large tray, 35.6 x 35.6cm (14 x 14")

### Stak-a-Tray™ System, Storage Capacity

ITEM SIZE	LARGE TRAY HOLDS	SMALL TRAY HOLDS
35 x 100mm dish	64	32
5 x 12mm dish	36	18
60 x 12mm plastic dish	36	17
60 x 15mm glass dish	25	12
100 x 10mm dish	13	6
100 x 15mm dish	13	6
100 x 20mm dish	13	6
150 x 20mm dish	4	2
150 x 25mm dish	4	2
125 x 15mm square	4	2



## Conway Diffusion Cell

### Obrink Modification

For determining carbon dioxide, ammonia or alcohol in blood or serum by diffusion method. Smooth, white molded polypropylene with natural, clear polypropylene cover. The cover has a lifting knob and fits the annular moat of the cell to seal off the chamber. Steam autoclavable at 121°C (250°F). **3 per pack, 12 packs per case.**



CATALOG NO.	O.D.	MOAT DEPTH	CHAMBER DEPTH x DIA.	CENTER DEPTH x DIAM
F40941-0000	83mm	4mm	10 x 60mm	4 x 35mm

## NEW PRODUCT!

### 60mm Petri Dish Rack

#### Portable Rack Holds up to 54 Dishes

This rack is useful for safe transport and incubation of 60mm Petri dishes and helps to streamline benchtop sample processing. Each rack has six columns and holds up to fifty-four Petri dishes with lids. The 10½ x 6¾" base area preserves benchtop space, and a large center divider has space for labeling and includes a carrying handle that does not interfere with samples. Up to four racks can be stacked together and interlocked to prevent accidental knock over. Finger access slots in the base allow a stack of dishes to be safely removed from the rack with a secure grip. Rack base is epoxy coated steel, and all other parts are made of white polypropylene. Steam autoclavable at 121°C (250°F). Racks are shipped flat and easily assemble in minutes.



CATALOG NO.	# OF DISHES	DIMENSIONS (L x W x H)
F18991-0060	54	26.7 x 17.1 x 17.1cm (10½ x 6¾ x 6¾")



### Poxygrid® 60mm Contact Plate/Petri Dish Rack

#### Organize and Safely Hold Samples

Durable blue epoxy-coated steel wire racks hold 30 or 10 contact plates with lids (72mm maximum diameter) (RODAC®, Becton Dickinson). Useful for transport, incubation and storage of contact plates and convenient organization. Racks are steam autoclavable at 121°C (250°F).



CATALOG NO.	# OF PLATES	COLUMNS	DIMENSIONS (L x W x H)
F18979-0003	10	1	8.2 x 8.2 x 14cm (3¼ x 3¼ x 5½")
F18979-0002	30	3	8.2 x 24.6 x 14cm (3¼ x 9¾ x 5½")

## 72mm Contact Plate Rack

### *Safely Transports Sixty Plates*

Safely transport, incubate and store up to 60 contact plates with lids up to 72mm diameter (RODAC®, Becton Dickinson) and streamline benchtop sample processing. Rack is configured in 6 columns with bottom access slots for easy removal of plates from the rack. Center divider has a built-in handle and ample space for labeling. Racks interlock for safe stacking up to four high. Made from polypropylene, rack is autoclavable at 121°C (250°F). Quick assembly.



Finger slots for easy removal of dishes

CATALOG NO.	# OF PLATES	DIMENSIONS (L x W x H)
F18990-0000	60	26.6 x 16.5 x 17.8cm (10½ x 6½ x 7")



Finger slots for easy removal of dishes

## 100mm Petri Dish Rack - White Polypropylene

### *Safely Transports Forty-Two Dishes*

Safely transports, incubates and stores 100mm Petri dishes and helps to streamline benchtop sample processing. Holds up to forty-two Petri dishes with lids, configured in six columns of seven plates. Access slots allow safe removal of plates from the rack. Up to four racks can be stacked together and interlocked to prevent accidental knock over, and a small, stable base preserves bench top space. Center divider provides space for labeling and

incorporates a handle that does not interfere with the samples. Made from white polypropylene and can be steam autoclaved at 121°C (250°F). Racks are shipped flat and are easily assembled.



CATALOG NO.	# OF DISHES	DIMENSIONS (L x W x H)
F18991-0000	42	33 x 21 x 17.8cm (13 x 8¼ x 7")

## 100mm Petri Dish Rack - Clear TPX® Body

### *Maximize Incubator Space*

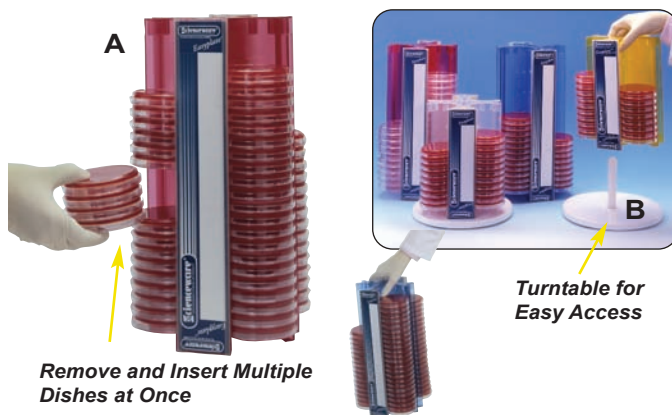
Clear, TPX® rack with polypropylene posts securely holds up to fifty-four 100mm Petri dishes. Easily viewed through the clear base and divider, dishes can be removed with one hand. Built-in handle provides easy transport, and rubber feet help prevent rack from sliding on the benchtop. Racks are shipped flat and can be assembled in minutes.



Finger slots for easy removal of dishes

CATALOG NO.	# OF DISHES	DIMENSIONS (L x W x H)
F18985-0100	54	34 x 20 x 23cm (13½ x 8 x 9¼")

## Easyplate™ 100mm Petri Dish Racks and Turntable



### A. Easyplate™ 100mm Petri Dish Racks

*Perfect for Use in an Incubator*

Increase workspace and efficiently transport large quantity of Petri dishes. Silicone holding strips on the rack's four columns grip each Petri dish and enable the user to easily insert and remove groups of dishes without disturbing upper or lower dishes. Labels on the sides of the rack provide space for critical sample identification. Available in 4 colors and two sizes; the 24.1cm (9½") high size holds forty-eight 100mm Petri dishes, and the 36.9cm (14½") high size holds eighty-four 100mm Petri dishes. Made of lightweight, chemically resistant polycarbonate and autoclavable at 121°C (250°F). Turntable (F18982-1000) sold separately (below).



CATALOG NO.	COLOR	HEIGHT
F18982-0014	Natural	37cm (14½")
F18982-0314	Blue	37cm (14½")
F18982-0009	Natural	24cm (9½")
F18982-0109	Red	24cm (9½")
F18982-0209	Yellow	24cm (9½")
F18982-0309	Blue	24cm (9½")
F18982-0409	Natural, Red, Yellow, Blue	24cm (9½")

### B. Easyplate™ Turntable

Turntable with ballbearings revolves smoothly, allowing the user to quickly remove or replace a Petri dish on any side of the Easyplate™ Petri Dish Rack. A 6-inch high-density polyethylene center post orients and stabilizes the rack. White styrene turntable can be easily cleaned with alcohol-based disinfectant.



#### CATALOG NO.

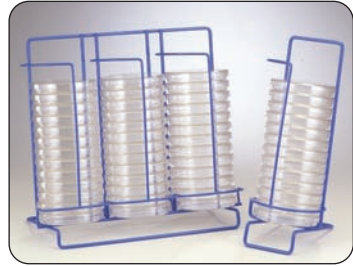
F18982-1000

*Easy & Continuous Vacuum Aspiration, Page 201*

## Poxygrid® 100mm Petri Dish Dispensing Racks

### Epoxy Coated Steel Wire

Petri dishes are easily dispensed one at a time from the bottom of the stack. Each column holds twenty 10cm x 2cm (nominal size) plastic Petri dishes per stack, which are loaded at the top and dispensed at the bottom. The rack tilts toward the rear for convenient presentation of dishes. Not suitable for glass Petri dishes.



A

CATALOG NO.	# OF DISHES	COLUMNS	DIMENSIONS (L x W x H)
F18978-0001	14	1	14.5 x 10.8 x 28cm (5¾ x 4¼ x 11")
F18979-0001	60	3	14.5 x 32 x 28cm (5¾ x 12½ x 11")



## Poxygrid® 100mm Petri Dish Carrying Racks

### Choose from Two Models

These epoxy coated steel wire racks hold 100mm x 20mm plastic Petri dishes and are easily loaded and emptied from the top. The wide front openings permit easy access but prevent dishes from sliding out. Not suitable for glass Petri dishes.

A

CATALOG NO.	# OF DISHES	COLUMNS	DIMENSIONS (L x W x H)
H18978-0000	20	1	10.8 x 10.8 x 35.6cm (4¼ x 4¼ x 14")
H18979-0000	42	3	34.3 x 10.8 x 30.5cm (13½ x 4¼ x 12")

## Adjustable Width Petri Dish Dispenser Rack

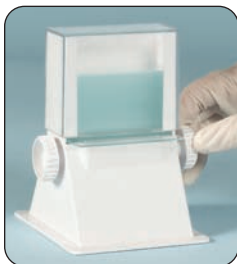
### Adjusts to Hold a Variety of Dish Sizes

This adjustable dispenser neatly and safely holds 15 Petri dishes up to 10.2cm (4") diameter. Made of rugged ABS plastic, it slides open at the base for easy refilling. The rack is 8.9cm (3½") wide, extends from 12.7cm (5") to 21cm (8¼") long and is 21cm (8¼") high.



CATALOG NO.	DESCRIPTION
F18982-0002	Holds Fifteen, 65mm to 100mm Petri Dishes With Lids





## Microscope Slide Dispenser

ABS plastic dispenser releases clean, dust-free 25 x 75mm (1 x 3") slides one at a time by turning the knob on either side. The clear plastic cover allows easy visual check on slides remaining and pulls off vertically for refilling. Holds approximately 72 slides, depending on thickness. Measures 11.1 x 12.4 x 14cm high (4 $\frac{3}{8}$  x 4 $\frac{1}{8}$  x 5 $\frac{1}{2}$ "). **Per each, 6 per case.**

ABS  
PLASTIC

### CATALOG NO.

F44562-0000

## Plastic Microscope Cover Slips

*Unbreakable and Flexible*

0.157mm (.006") flexible vinyl 22 x 22mm cover slips, each interleaved with tissue. **Pack of 1000, packaged in 10 boxes of 100 cover slips each.**



VINYL

### CATALOG NO.

H44690-0000



## Slide Holder

With these handy files near your microscope, slides are always separated, visible and orderly. The vacuum-formed polystyrene 12-place slide holder allows slides to project over the rack's edge for easy handling. 8.6 x 17.8 x 1.9cm H (3 $\frac{3}{8}$  x 7 x  $\frac{3}{4}$ " H). **6 per pack, 24 packs per case.**

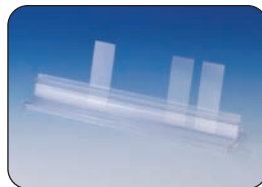
PS

### CATALOG NO.

H44557-0000

## Slide Holder Strip

This slide holder has a sloped groove that accepts up to 10 single or double slides standing on end. A front ledge serves as a place to dry slides. Made of durable polystyrene, the holder measures 25 x 5 x 3cmH (10 x 2 x 1 $\frac{1}{4}$ " H). **Per each, 12 per case.**



PS

### CATALOG NO.

F44542-0000

## Microscope Slide Tray

### *Easily Distinguish Dyes and Stains*

Each tray stores 20 standard 25 x 75mm (1 x 3") slides in a horizontal position for full visibility. White polystyrene background makes it easy to distinguish dyes and stains. Trays can be used independently or conveniently stored in the H44583-0000 Slide Tray Cabinet (shown below). Handy finger cut out simplifies removal of slides. **6 per pack, 12 packs per case.**



#### CATALOG NO.

H44581-0000

#### DIMENSIONS (L x W)

34 x 17cm (13½ x 6⅞")



## Slide Tray Cabinet

### *Compact Cabinet Holds 12 Trays, 240 Slides*

Holds (12) H44581-0000 Microscope Trays horizontally in a dust-free enclosure. Has a white polypropylene outer shell, polystyrene tray rails, and a vertically sliding, clear acrylic door with a knob for easy opening. Cabinet only, trays sold separately above.



#### CATALOG NO.

H44583-0000

#### DIMENSIONS (L x W x H)

35.6 x 20.8 x 25.4cm (14 x 8⅓ x 10")

## Slide Boxes

These compact, durable slide boxes provide the maximum protection for 25 x 75mm (1 x 3") microscope slides. Heavy walls will not warp, splinter, or crack. Boxes are unaffected by humidity and are thoroughly insect proof. Cover and base have a numbered index for easy identification.



#### CATALOG NO.

H44576-0000

#### DESCRIPTION

For 25 slides; removable lid. 2 per pack

#### CASE

24 packs

H44576-0050

For 50 slides; removable lid, stackable

12

H44577-0000

For 100 slides; hinged cover

—

H44577-0001

For 100 slides; slip-on cover

—



## Slide Mailer

Chemically inert, polyethylene container has a deep screw cap to provide maximum protection against breakage. Once cap is removed slides project 12.7mm (½") out of the jar for easy grip and clean handling. Internal grooves accept 5 to 10 microscope slides 25 x 75mm (1 x 3") or can be used as a specimen jar to hold vials up to 12ml. The cap has a small loop for attachment of wired tags and should be taped for shipment. **6 per pack, 6 packs per case.**



#### CATALOG NO.

H44200-0000



## Coplin Staining Jar

This polypropylene jar improves on the classic tapered square design with a larger opening for easier placement and removal of slides. The polypropylene screw cap is 5.3cm in diameter, has a flat top, easy grip knurled edge, deep thread and a seal ring to prevent leaks. Five internal slots hold up to 10 standard 25 x 75mm (1 x 3") slides back to back. Base diameter: 6cm (2 3/8"). Height: 11.4cm (4 1/2"). Steam autoclavable at 121°C (250°F), remove cap when autoclaving. **Per each, 12 per case.**



### CATALOG NO.

F44208-1000

## Cleanware™ Microscope Optics Cleaning Kit

*Clean, Clear and Smudge Free*

Contains everything you need to keep optics and microscope parts sanitary, clean and clear. Includes ten, pre-saturated optical cleaning pads, two individually wrapped packs of anti-static plastic surface wipes, and two, 15.2cm (6") swabs which are pre-moistened with germicide. Complete instructions for use included. *No Air Shipment.*



### CATALOG NO.

### DESCRIPTION

F17072-0000

Cleaning Kit

F17072-0010

Additional pre-saturated optical cleaning pads,  
5 x 8", 10 per pack



## Vikem® Vinyl Microscope Covers

*Assorted Sizes to Fit Your Needs*

These transparent Vikem® vinyl covers protect your valuable microscopes, balances and other instruments from dust and spills. Simply slide the cover over the instrument when it is not in use. Available in three standard sizes, and custom sizes or shapes to fit other instruments are available by special order. **Per each.**

### CATALOG NO.

### SIZE

F24301-0000 Standard size - 33 bottom x 23 top x 42cmH (13 x 9 x 16 1/2")

F24303-0000 Large size - 41 bottom x 28 top x 46cmH (16 x 11 x 18")

F24304-0000 Extra Large size - 46 bottom x 38 top x 56cmH (18 x 15 x 22")

## A. View-Pack™ Microscope Slide Holder with Ring Binder

*For Orderly, Visual Display and Safe Transport of Microscope Slides*

Standard 23 x 30cm (9 x 12") 3-ring binder comes complete with ten, 22 x 27cm (8½ x 10½") vinyl View-Pack™ Microscope Slide Holder Pages (enough for 160 slides). Each page holds (16), 25 x 75mm (1 x 3") slides in individual pockets with a white back and clear front. A center flap keeps slides from falling out. Simply fold the page at the center crease to retrieve slides.



### CATALOG NO.

### DESCRIPTION

F44170-0000

View Pack™ Binder with 10 pages

F44171-0000

Refill View-Pack™ Microscope Slide Holder Pages  
10 pages per package, 10 packages per case.

## B. Slide Staining and Storage System

Universal slide rack (B1), staining dish (B2) and slide rack storage box (B3) for histology, microbiology and other slide staining needs. The rack and dish are made of black polyoxymethylene (POM) plastic which is easy-to-clean and resistant to chemicals used in staining procedures. Polystyrene storage box holds up to four slide racks.

### B1. Slide Rack (shown inside Staining Dish)

Holds twenty-five, 25 x 75mm (1 x 3") slides in numbered slots, has an open bottom for rapid draining and a handle so the rack can be lifted to add or remove slides without touching the staining solution. Maximum use temperature is 90°C (194°F). **Per each, 24 per case.**

### B2. Staining Dish

Capacity of the staining dish is 250ml, but with the slide rack (B1) only 150ml is needed, providing a savings on staining liquids, developing fluids and intermediates. A tight lid helps minimize spills and evaporation. Upon removing the lid and lifting the slide rack, a provided clip can be placed on the top edge of the dish. The slide rack can then rest on this clip which keeps it elevated above the liquid and lets the stain solution drain back into the reservoir. The inside of the lid has a built-in slide rest which also provides a compartment for a drying agent. Dish is easy-to-clean and the cover will not jam in freezer storage. **Per each, 24 per case.**

### B3. Storage Box

Black polystyrene storage box holds four Slide Racks (B1, sold separately) and provides convenient, indexed storage. There is a paper index for each of the four sections with each section sub-indexed numerically 1-25. **Per each, 6 per case.**

### CATALOG NO.

### DESCRIPTION

### DIMENSIONS (L x W x H)

B1. F44180-0000

Slide Rack

9.2 x 7.8 x 2.0cm (3.6 x 3 x .78")

B2. F44182-0000

Staining Dish

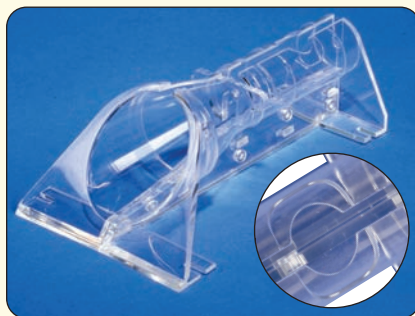
9.4 x 8.1 x 4.9cm (3⅞ x 3⅞ x 2")

B3. F44184-0000

Storage Box

19 x 17 x 5cm (7½ x 6¾ x 2")

## NEW PRODUCT!



### Mouse Restrainer with Dorsal Access

*The Safe, Fast, and Accurate Way to Work with Mice*

Feature rich and budget friendly, this high throughput Mouse Restrainer with Dorsal Access takes care of the basics, so your hands are free for the important tasks. The easy-to-use entry funnel and tube with two gate positions allows quick, gentle and secure immobilization of the mouse. Draw mouse tail first, or lead head first, into the wide entry funnel and to the back of the tube, then place gate in choice of two slots. When in the restrainer, the dorsal skin of the mouse is accessible through a top circular opening so subcutaneous injections can be performed quickly, without risk of being bitten, and with less likelihood of sticking your own fingers. With tail first entry, the tail of the mouse is conveniently positioned outside the restrainer for tail bleeds and tattooing. Restrainer can be mounted to table or other surface. (Hardware not included). Disinfect with ethanol or common laboratory disinfectants, or autoclave to sterilize. Restrainer is made from durable, crystal clear TPX® and unlike acrylic restrainers will not craze or weaken. **Per each, 12 per case.**



CATALOG NO.	DESCRIPTION	DIMENSIONS (L x W x H)
F46401-0000	Holds mice 18-35 grams, tube is 3.2cm diameter	17.4 x 10 x 6.7cm (6.8 x 3.9 x 2.6")

## Universal Animal Restrainers

### Multiple Sizes Available

Fabricated of rigid, clear acrylic plastic, these animal restrainers have removable head and tail gates. The head gate has breathing holes and fits into any of four positions for various sizes of rodents. The tail gate allows maximum closeness of occluding cuff to body. The inner raised floor may be removed for larger rodents. Nylon thumb screws serve as base fasteners and legs.



CATALOG NO.	HOLDS ANIMAL	ANIMAL WEIGHT	MINIMUM RESTRAINING	MAXIMUM RESTRAINING
H46400-0001	Mice	10-40g	5.1 x 2.9cm 2 x 1 1/4"	10.2 x 2.9cm 4 x 1 1/4"
H46400-0002	Rats, Hampsters	150-300g	12.4 x 6cm 4 7/8 x 2 3/4"	17.1 x 6cm 6 3/4 x 2 3/4"
H46400-0003	Large Rats, Small Guinea Pigs	250-600g	15.2 x 7.3cm 6 x 2 7/8"	21.6 x 7.3cm 8 1/2 x 2 7/8"

**Burco™ Drosophila Fly Anesthetizer***Ideal for Student Demonstrations*

Fast acting, durable polyethylene anesthetizer is resistant to ether fumes. It fits on the cap seat of a standard ½ pint milk bottle and may be modified to fit other fly containers. Detailed instructions included.

**Per each, 24 per case.**

**CATALOG NO.**

F14300-0000

**Inhalation Narcosis Chamber***Permits Observation of Procedure*

A clear acrylic, hinged cover permits observation of small animals during anesthetizing. Cover and additional polypropylene components are not affected by anesthetic compounds. A folding perforated platform is removed to fill the bottom with cotton and replaced to support the animal. Anesthetic is poured into the small funnel at the side and runs into the bottom of the chamber where

it is absorbed by cotton. A stopcock permits entrance of fresh air during anesthesia to prevent suffocation and accepts 4mm-6mm ID tubing. Maximum I.D. is 19.7cm (7¾"), top I.D. is 17.8cm (7"), height from platform to top is 12.7cm (5"), height under platform is 5.7cm (2¼"), overall height is 19.7cm (7¾").

**CATALOG NO.**

H46420-0002

**Growtek™ Culture Vessel***Minimizes Tissue Damage*

This unique vessel reduces tissue damage and contamination by allowing various stages of plant tissue culture to be completed in one vessel without transferring. It has a side access tube with membrane screw top to allow change of or addition to growth medium without disturbing the contents. Nutrient and oxygen uptake is improved, because tissue is supported on a floating explant holder that keeps the tissue in constant contact with the medium. Molded of clear polycarbonate with a polypropylene screw cap that has an inward slope to minimize condensation; it is designed to be stacked for efficient incubation. Small enough to work with many vessels at one time on a benchtop. All parts are autoclavable at 121°C (250°F).

**CATALOG NO.**

F38981-0000

**DIMENSIONS (DIAM. x H)**

10 x 15cm (4 x 6")