

CELLTREAT® Scientific Products is dedicated to manufacturing unique, high-quality laboratory plastic consumables at significant savings compared to alternative brands. User-friendly features are incorporated into the CELLTREAT product line to improve research efficiency with easier handling and outstanding performance. We provide high levels of personalized service and regularly challenge everything we do to improve and exceed customer expectations.

Experience the CELLTREAT difference.

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Product Certification & Material Indicator Symbols

Product Certification and Material Indicator Symbols located in the black heading bar of each product table are included as a quick reference for ordering. Complete product and lot specific quality certificates are available through the CELLTREAT website (www.celltreat.com).

Please refer to the chart on page 51 for the product specifications, primary materials and their indicator symbols.



QUALITY

The CELLTREAT Commitment to Quality

Multi-level quality process ensures that all products meet our high standards. Lot-specific Quality Certificates are available, verifying that products have been manufactured and inspected to rigorous specifications

To request a Quality Certificate, please visit www.celltreat.com

INNOVATION

Optimize Your Lab Experience

Customer input has shaped many of our product and packaging designs, leading to unique and differentiated features. We provide creative solutions to help you work more efficiently. Our culture of innovation means that we are constantly assessing our product portfolio to identify improvements and new products to enhance the customer experience. Experience the CELLTREAT difference.

SERVICE

We Make it Easier to Get Things Done

Save time and easily find expanded technical information and product selection guides in the catalog or online. Request product samples, quality certificates, and literature online or by email:

General inquiries - service@celltreat.com

Samples - samples@celltreat.com

Can't find what you need?

Please give us a call at 877.345.4620

SHIPPING

What You Need, When You Need It

Stock items are shipped within 1 business day from either our East or West Coast warehouses, and rush shipments can generally be processed until 2pm EST. We work to get you the best savings, including durable and efficient packaging to prevent damage in transit. Shipping accuracy checks ensure fast and reliable delivery.

Social Responsibility



At CELLTREAT, we recognize our responsibility to conduct our business in a socially responsible manner, and to contribute to organizations that positively support the environment and our community.

For each case of CELLTREAT products that is purchased, a portion of the proceeds will benefit environmental initiatives supported by CELLTREAT Scientific Products.

For additional information, please visit www.celltreat.com

Best Value Serological Pipets



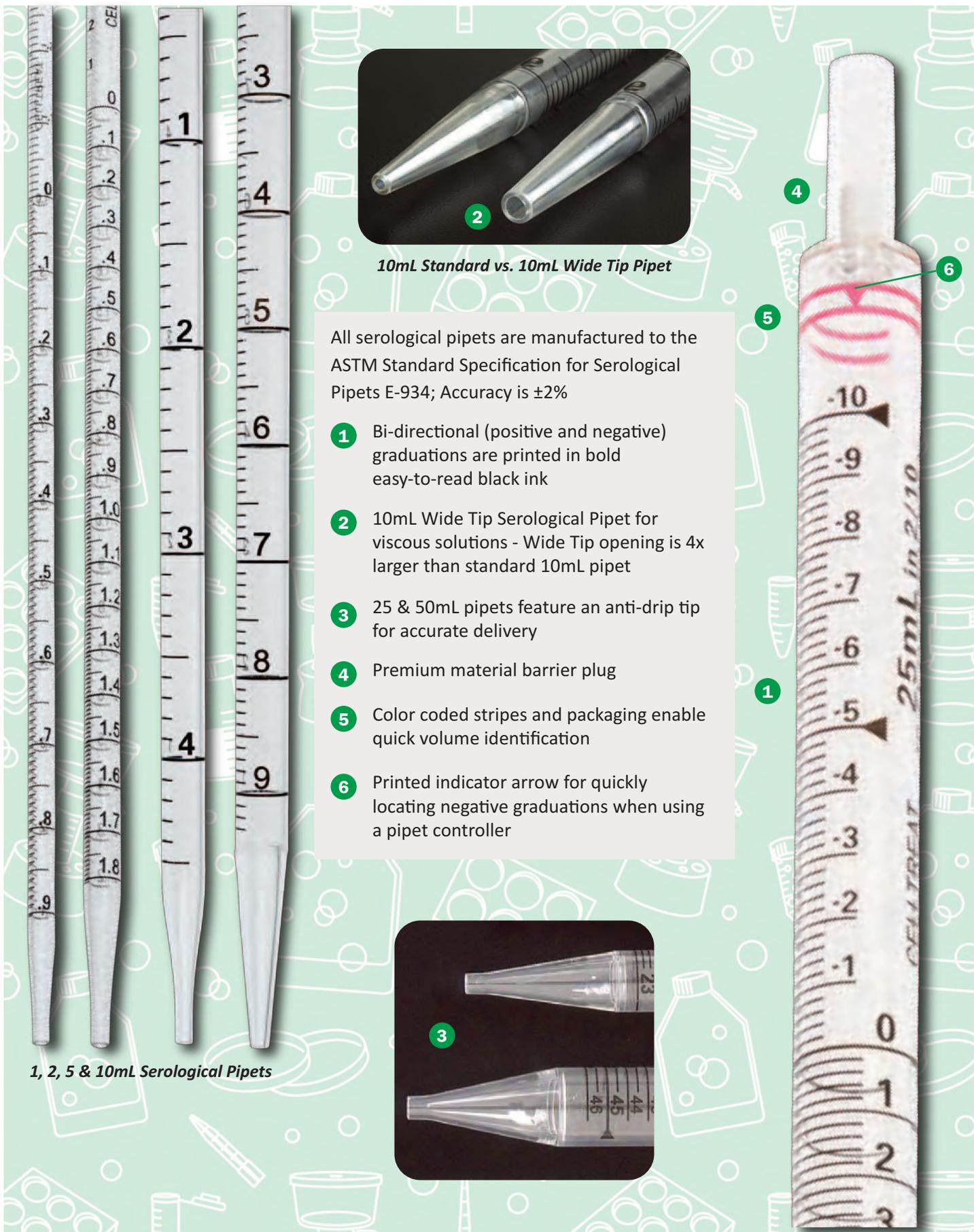
SEROLOGICAL PIPETS - INDIVIDUALLY WRAPPED (PAPER/PLASTIC) IN BAGS S, R/D F, NP, USP, PS

Part No.	Product Description	Pack Description	Qty/Case	Negative Graduations
229001B	1mL Serological Pipet	100 Individually Wrapped/Bag	500	-0.3mL
229002B	2mL Serological Pipet	100 Individually Wrapped/Bag	500	-0.5mL
229005B	5mL Serological Pipet	50 Individually Wrapped/Bag	200	-3mL
229010B	10mL Serological Pipet	50 Individually Wrapped/Bag	200	-3mL
229212B	10mL Serological Pipet, Wide Tip	50 Individually Wrapped/Bag	200	-3mL
229025B	25mL Serological Pipet	50 Individually Wrapped/Bag	200	-10mL
229030B	50mL Serological Pipet	25 Individually Wrapped/Bag	100	-10mL

SEROLOGICAL PIPETS - BULK PACKED IN BAGS S, R/D F, NP, USP, PS

Part No.	Product Description	Pack Description	Qty/Case	Negative Graduations
229231	1mL Serological Pipet	25 Bulk Packed/Re-sealable Bag	1000	-0.3mL
229232	2mL Serological Pipet	25 Bulk Packed/Re-sealable Bag	800	-0.5mL
229235	5mL Serological Pipet	25 Bulk Packed/Re-sealable Bag	500	-3mL
229240	10mL Serological Pipet	25 Bulk Packed/Re-sealable Bag	500	-3mL
229245	25mL Serological Pipet	25 Bulk Packed/Re-sealable Bag	200	-10mL
229250	50mL Serological Pipet	25 Bulk Packed/Re-sealable Bag	200	-10mL

Best Value Serological Pipets



10mL Standard vs. 10mL Wide Tip Pipet

All serological pipets are manufactured to the ASTM Standard Specification for Serological Pipets E-934; Accuracy is $\pm 2\%$

- 1 Bi-directional (positive and negative) graduations are printed in bold easy-to-read black ink
- 2 10mL Wide Tip Serological Pipet for viscous solutions - Wide Tip opening is 4x larger than standard 10mL pipet
- 3 25 & 50mL pipets feature an anti-drip tip for accurate delivery
- 4 Premium material barrier plug
- 5 Color coded stripes and packaging enable quick volume identification
- 6 Printed indicator arrow for quickly locating negative graduations when using a pipet controller

1, 2, 5 & 10mL Serological Pipets



Serological Pipets - Plastic/Plastic Wrap

- Peel-to-open plastic/plastic wrappers are the ideal option for eliminating particulate; proven benefit over traditional paper/plastic wrapper
- Wrappers reduce static cling versus other brands of plastic wrap pipets
- All plastic wrapper can be wiped with alcohol without smearing ink or penetrating paper
- Same great features as standard pipets
- **NEW** - Now available in 100mL size for large volume pipetting



PLASTIC/PLASTIC WRAP SEROLOGICAL PIPETS - INDIVIDUALLY WRAPPED IN BAGS

S, R/D F, NP, USP, PS

Part No.	Product Description	Pack Description	Qty/Case
229201A	1mL Serological Pipet	100 Individually Wrapped/Bag	800
229202A	2mL Serological Pipet	100 Individually Wrapped/Bag	600
229205A	5mL Serological Pipet	50 Individually Wrapped/Bag	200
229210A	10mL Serological Pipet	50 Individually Wrapped/Bag	200
229225A	25mL Serological Pipet	50 Individually Wrapped/Bag	200
229230A	50mL Serological Pipet	30 Individually Wrapped/Bag	90
NEW 229220A	100mL Serological Pipet	10 Individually Wrapped/Bag	50

Serological Pipets - Short



Short vs. standard length pipet

- Compact design of short serological pipet provides ergonomic benefit and reduces storage space
- Shorter length helps prevent touching pipet tip to surfaces in the hood
- Ideal for students and those new to pipetting
- Same great features as standard length pipets

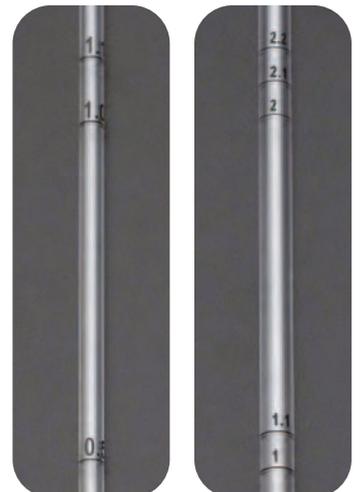
SEROLOGICAL PIPETS - SHORT

S, R/D F, NP, USP, PS

Part No.	Product Description	Pack Description	Qty/Case
229206B	5mL Serological Pipet, Short	50 Individually Wrapped/Bag	200
229211B	10mL Serological Pipet, Short	50 Individually Wrapped/Bag	200
229226B	25mL Serological Pipet, Short	25 Individually Wrapped/Bag	100

Serological Pipets - Bacteriological/Milk

- Bacteriological/Milk pipets are manufactured to meet APHA requirements shown in Standard Methods for Examination of Dairy Products and ASTM E1043-00(2010) Standard Specification for Pipets, Milk and Cream Examination
- Specialized graduations allow quick volume identification
- Same great features as standard pipets



SEROLOGICAL PIPETS - BACTERIOLOGICAL/MILK

S, R/D F, NP, USP, PS

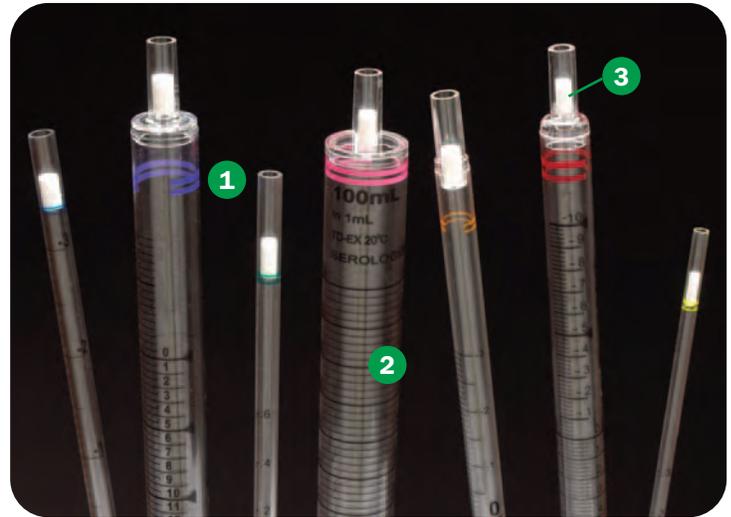
Part No.	Product Description	Pack Description	Qty/Case
229257	1.1mL Bacteriological/Milk Pipet	50 Bulk Packed/Bag	500
229258	2.2mL Bacteriological/Milk Pipet	50 Bulk Packed/Bag	400
229267	1.1mL Bacteriological/Milk Pipet	50 Individually Wrapped/Bag	250
229268	2.2mL Bacteriological/Milk Pipet	50 Individually Wrapped/Bag	250

Classic Serological Pipets

- 1 Color coded stripes and packaging enable quick volume identification
- 2 Bi-directional graduations are printed in bold easy-to-read black ink
- 3 Premium material filter plug

Assorted packaging options:

- 4 Individually wrapped in bags
- 5 Individually wrapped in convenient shelf carton
- 6 Individually wrapped in plastic/plastic wrapper (see page 6 for details)



SEROLOGICAL PIPETS - INDIVIDUALLY WRAPPED IN BAGS S, R/D F, NP, USP, PS

Part No.	Product Description	Pack Description	Qty/Case
229201B	1mL Serological Pipet	100 Individually Wrapped/Bag	800
229202B	2mL Serological Pipet	100 Individually Wrapped/Bag	600
229205B	5mL Serological Pipet	50 Individually Wrapped/Bag	200
229210B	10mL Serological Pipet	50 Individually Wrapped/Bag	200
229225B	25mL Serological Pipet	50 Individually Wrapped/Bag	200
229230B	50mL Serological Pipet	30 Individually Wrapped/Bag	90
229220B	100mL Serological Pipet	10 Individually Wrapped/Bag	50



SEROLOGICAL PIPETS - INDIVIDUALLY WRAPPED IN DISPENSER CARTON S, R/D F, NP, USP, PS

Part No.	Product Description	Pack Description	Qty/Case
229201	1mL Serological Pipet	200 Individually Wrapped/Dispenser Carton	800
229202	2mL Serological Pipet	150 Individually Wrapped/Dispenser Carton	600
229205	5mL Serological Pipet	100 Individually Wrapped/Dispenser Carton	200
229210	10mL Serological Pipet	100 Individually Wrapped/Dispenser Carton	200
229225	25mL Serological Pipet	50 Individually Wrapped/Dispenser Carton	200
229230	50mL Serological Pipet	45 Individually Wrapped/Dispenser Carton	90

Serological Pipets - Open End



- Ideal for viscous and high particulate solutions
- Wide, open end is ideal for slurries and gels
- Same great features as standard length pipets

SEROLOGICAL PIPETS - OPEN END S, R/D F, NP, USP, PS

Part No.	Product Description	Pack Description	Qty/Case
229243	5mL Serological Pipet, Open End	25 Bulk Packed/Bag	500
229244	10mL Serological Pipet, Open End	25 Bulk Packed/Bag	500
229223B	5mL Serological Pipet, Open End	50 Individually Wrapped/Bag	200
229224B	10mL Serological Pipet, Open End	50 Individually Wrapped/Bag	200

Pipet Controller - Automatic

- Lightweight (6.3oz/170g) and designed to fit comfortably in either hand
- Long-life rechargeable lithium battery provides up to 8 hours of use on a two hour charge
- Attached kickstand prevents contact with surfaces when resting the Pipet Controller

- 1 Adjustable dial for powered or gravimetric speed setting
- 2 Cordless and rechargeable
- 3 Low pressure fingertip control buttons
- 4 Easy fit adapter accepts pipet sizes from 1 to 100mL



PIPET CONTROLLER

Part No.	Product Description	Pack Description	Qty/Case
230200	Pipet Controller, 120V	Individual	1
230202	AC Adapter, Replacement, 120V	Individual	1
230204	Battery, Replacement	Individual	1
230205	Rubber Grommet, Replacement	Individual	1
230206	Filter, Replacement, 0.45µm	2/Bag	2

NEW Pipet Controller - Manual



- Lightweight manual pipet controller does not require batteries
- Compatible with 1-100mL serological pipets
- Economical backup option for automatic pipet controller

- 1 Squeeze bulb creates pressure to draw fluid up into pipets; up to 50mL per squeeze
- 2 Ergonomic thumb lever controls speed of aspirating and dispensing
- 3 Press button blows out remaining drops in pipet

PIPET CONTROLLER

Part No.	Product Description	Pack Description	Qty/Case
230210	Pipet Controller, Manual	Individual	1
230211	Replacement Filter, 3µm	2/Bag	2

Pipet Storage Rack

- Durable ABS plastic rack can stand on flat surfaces as well as be attached to the metal sides of lab cabinets and appliances

- 1 Strong magnets are included on both sides for increased versatility
- 2 Angled shelves provide secure yet easy access to pipets
- 3 Pipet sizes, colors and types can be viewed from the side windows and front
- 4 Side bracket can hold pipet fillers, bulbs and pumps



PIPET STORAGE RACK

ABS

Part No.	Product Description	Qty/Case
230295	Pipet Storage Rack	1

CELLTREAT Accessories



BAG CUTTER

- Safely and easily cuts plastic bags and pouches
- Features unique contoured design, sharp non-removable stainless steel blade and lanyard hang hole for convenience
- Includes integrated tape splitter for easy box opening

TIMER

- Multiple functions include timer, clock and alarm
- Includes easel stand, mounting magnet and retractable hook for hanging
- Uses 1 standard AAA Battery (not included)

ACCESSORIES

Part No.	Product Description	Qty/Case
230100	Bag Cutter	5
230123	Multi-Function Timer	1

NEW Wide Mouth Bottles



- Round shape and easy-pour wide mouth design
- Excellent chemical resistance and durable, rigid walls
- Ideal for specimen and chemical storage
- Liner-less leak proof screw top closure
- Bottle and cap supplied assembled
- Non-sterile; autoclavable

WIDE MOUTH BOTTLES

N, A, PP

Part No.	Product Description	Pack Description	Qty/Case
229793	30mL Wide Mouth Bottle	12/Bag	48
229794	60mL Wide Mouth Bottle	12/Bag	48
229795	125mL Wide Mouth Bottle	12/Bag	48
229796	250mL Wide Mouth Bottle	6/Bag	24
229797	500mL Wide Mouth Bottle	6/Bag	24

Beakers

- Molded pouring spouts and rolled lip for dripless work environment
- Angled walls for easier handling and sample retrieval
- Nesting design for easy stacking and storage
- Assorted Beaker Set contains 10 beakers each of 30, 50, 100, 150, 250, 400 and 600mL sizes
- Smaller case quantities are easier to store and are ideal for small scale users
- Polypropylene material for resistance to a variety of strong acids, bases and solvents

BEAKERS

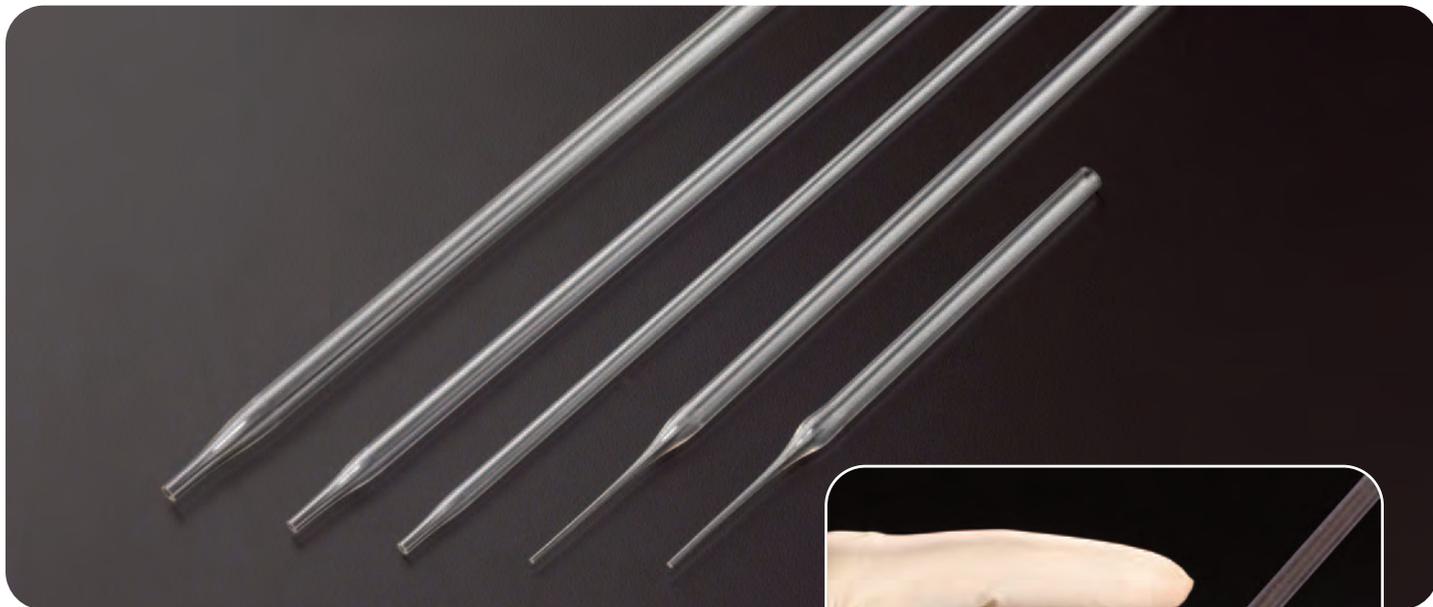
PP

Part No.	Product Description	Pack Description	Qty/Case
230511	30mL Graduated Beaker	100/Bag	100
230512	50mL Graduated Beaker	100/Bag	100
230513	100mL Graduated Beaker	100/Bag	100
230514	150mL Graduated Beaker	100/Bag	100
230515	250mL Graduated Beaker	50/Bag	50
230516	400mL Graduated Beaker	50/Bag	50
230517	600mL Graduated Beaker	25/Bag	25
230509	Assorted Set Graduated Beaker	10/Bag	70



Aspirating & Plasteur® Plastic Pasteur Pipets

Polystyrene



ASPIRATING PIPETS

- Ideal for aspiration of media and sample waste removal
- Aspirating Pipets are supplied without graduations or plugs

PLASTEUR PLASTIC PASTEUR PIPETS - POLYSTYRENE

- The Plasteur Plastic Pasteur Pipet offers the aspirating precision of a glass pipet and the safety benefits of plastic
- Available in 5.75 and 9 inch lengths for easier handling and longer reach for working with larger vessels



Aspirating Bulb available
for use with Aspirating
and Plasteur Pipets
(Part No. 229279)



ASPIRATING PIPETS

S, R/D F, NP, USP, PS

Part No.	Product Description	Pack Description	Qty/ Case
229251	1mL Aspirating Pipet	25 Bulk Packed/Bag	400
229252	2mL Aspirating Pipet	25 Bulk Packed/Bag	400
229255	5mL Aspirating Pipet	25 Bulk Packed/Bag	200
229261	1mL Aspirating Pipet	100 Individually Wrapped/Bag	400
229262	2mL Aspirating Pipet	100 Individually Wrapped/Bag	400
229265	5mL Aspirating Pipet	50 Individually Wrapped/Bag	200

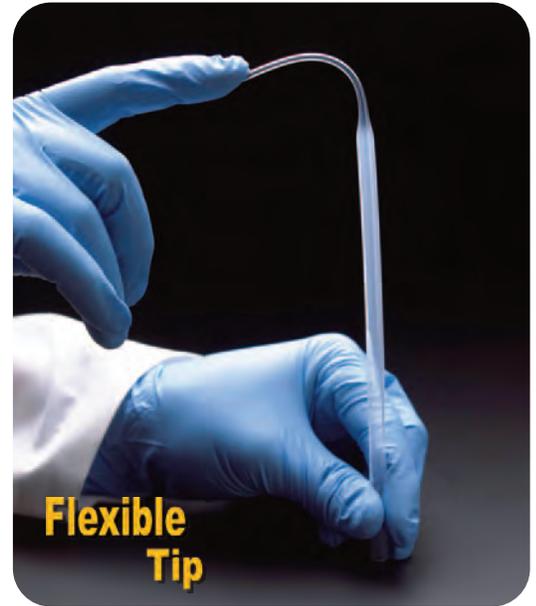
PLASTEUR PLASTIC PASTEUR PIPETS - POLYSTYRENE

S, R/D F, NP, USP, PS

Part No.	Product Description	Length	Pack Description	Qty/ Case	Sterile (Y/N)
229275	Plasteur Pipet - Polystyrene	5.75 inch	25 Bulk Packed/Re-sealable Bag	500	Y
229285	Plasteur Pipet - Polystyrene	9 inch	25 Bulk Packed/Re-sealable Bag	500	Y
229270	Plasteur Pipet - Polystyrene	5.75 inch	50 Individually Wrapped/Bag	200	Y
229280	Plasteur Pipet - Polystyrene	9 inch	50 Individually Wrapped/Bag	200	Y
229279	Aspirating Bulb	NA	12/Re-sealable Bag	12	N

Plasteur® Plastic Pasteur Pipets

Polypropylene



▲ Available with same standard packaging and quantity as glass Pasteur pipets

- CELLTREAT® Plasteur Plastic Pasteur Pipets offer the aspirating precision of a glass pipet and the safety benefits of plastic
- Polypropylene provides the chemical resistivity needed for many applications
- A polypropylene chemical compatibility guide is available at www.celltreat.com

SAFETY

- No more broken glass - more durable than standard glass pipets
- Flexible plastic helps prevent glove or skin punctures

CONVENIENCE

- Available packaged sterile individually wrapped or bulk packed
- Also available packaged non-sterile in re-sealable bags or tab lock box and can be autoclaved

EFFICIENCY

- Will not shatter, eliminating losses due to broken glass
- Autoclavable

VALUE

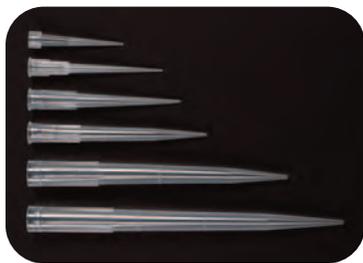
- No damage during shipping and handling as compared to traditional glass pipets
- Eliminate "sharps" disposal cost

PLASTEUR PLASTIC PASTEUR PIPETS - POLYPROPYLENE

USP, A, PP

Part No.	Product Description	Length	Pack Description	Qty/ Case	Sterile (Y/N)
229276	Plasteur Pipet - Polypropylene	5.75 Inch	25 Bulk Packed/Bag	500	Y
229277	Plasteur Pipet - Polypropylene	5.75 Inch	100 Bulk Packed/Bag	500	N
229274	Plasteur Pipet - Polypropylene	5.75 Inch	200 Bulk Packed/Tab Lock Box	1000	N
229286	Plasteur Pipet - Polypropylene	9 Inch	25 Bulk Packed/Bag	500	Y
229287	Plasteur Pipet - Polypropylene	9 Inch	100 Bulk Packed/Bag	500	N
229284	Plasteur Pipet - Polypropylene	9 Inch	200 Bulk Packed/Tab Lock Box	1000	Y
229281	Plasteur Pipet - Polypropylene	9 Inch	50 Individually Wrapped/Bag	200	N

NEW Pipette Tips



Low Retention Pipette Tips



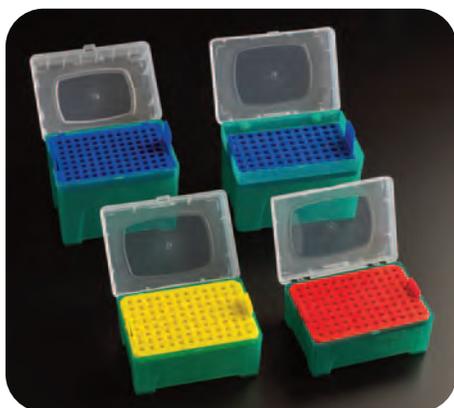
Low Retention, Filter Pipette Tips

- CELLTREAT Scientific Products Pipette Tips deliver high performance with exceptional value. A perfected balance between raw materials and efficient manufacturing process results in superior low retention
- Pipette Tips are universal fit and compatible with major pipettes
- Pipette Tips have smooth, hydrophobic surfaces to ensure accurate pipetting
- Filters reduce cross contamination and prevent damaging aerosols from penetrating into the pipette, and are positioned to allow extra headspace when pipetting maximum volume
- Multiple size Pipette Tips are available, including extended length tips (10µL and 1000µL) to allow better access to the bottom of test tubes, reagent bottles, flasks and other vessels
- 200µL filter tip is longer than standard tips for better access to vessels and increased headspace to filter
- Molded volume reference markings offer a quick double check opportunity



PIPETTE TIP RELOAD SYSTEM

- Reload System offers clear window for easy identification of color-coded wafers
- Support wafers have large grasping tabs for easy removal from Reload System and Rack
- Secure locking tab keeps reload system closed and prevents tumbling tips
- Reduce plastic waste by refilling empty racks



EMPTY PIPETTE TIP RACKS

- Hinged lids are designed for easy one-handed opening, making it easier to access repeatedly
- Lids have a stacking feature for added stability and a secure locking tab
- Lightweight lid design prevents tipping when open
- Interior support ribs prevent racks from warping
- Empty racks available with or without a wafer; with a wafer allows refill from bulk packed pipette tips, and without a wafer allows refill from pipette tip reload systems
- Bulk, non-sterile option available in unique self-standing, resealable bags

PIPETTE TIPS - BULK PACKED, NO FILTER

N, R/D F, NP, USP, A, PP

Part No.	Product Description	Pack Description	Qty/Case
229042	10µL Pipette Tips	1000/Re-sealable Bag	5000
229043	10µL Extended Length Pipette Tips	1000/Re-sealable Bag	5000
229044	200µL Pipette Tips	1000/Re-sealable Bag	5000
229047	1000µL Pipette Tips	1000/Re-sealable Bag	5000
229049	1000µL Extended Length Pipette Tips	1000/Re-sealable Bag	5000



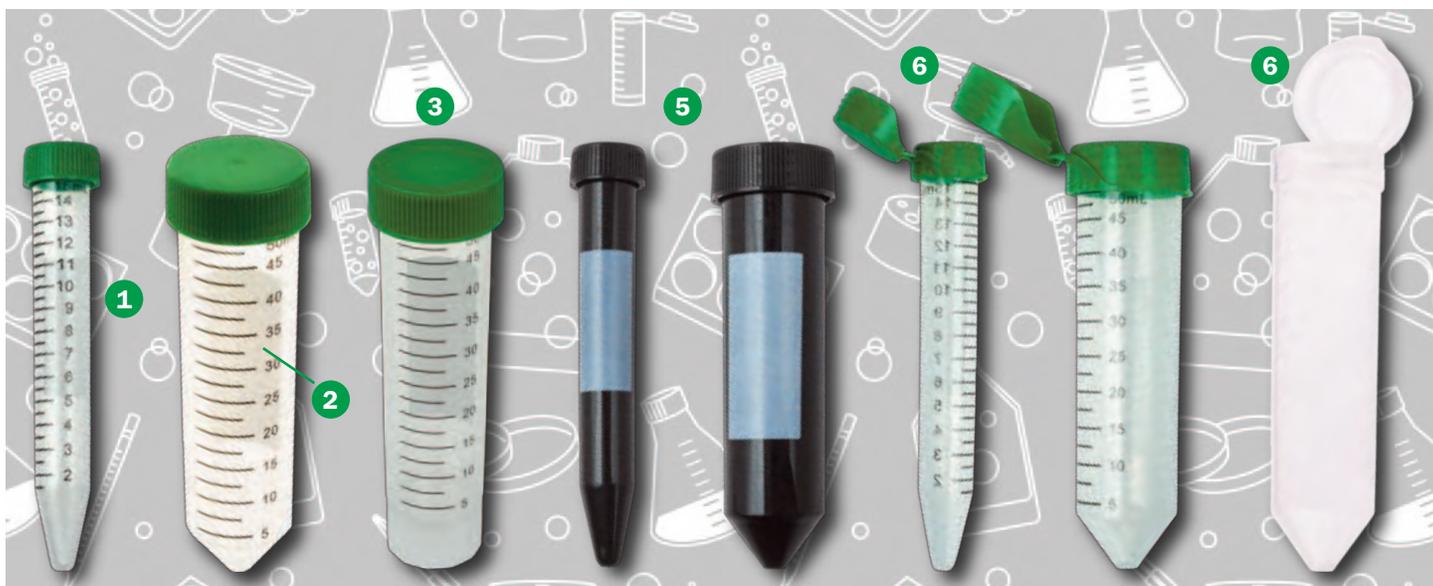
NEW Pipette Tips



PIPETTE TIPS - LOW RETENTION					S, R/D F, NP, USP, PP
Part No.	Product Description	Low Retention (Y/N)	Filter (Y/N)	Pack Description	Qty/Case
229032	10µL Pipette Tips	Y	N	96 Tips/Rack	960
229033	10µL Extended Length Pipette Tips	Y	N	96 Tips/Rack	960
229034	200µL Pipette Tips	Y	N	96 Tips/Rack	960
229035	300µL Pipette Tips	Y	N	96 Tips/Rack	960
229036	1000µL Pipette Tips	Y	N	96 Tips/Rack	960
229037	1000µL Extended Length Pipette Tips	Y	N	96 Tips/Rack	960
PIPETTE TIPS - LOW RETENTION, FILTER					S, R/D F, NP, USP, PP
229015	10µL Pipette Tips	Y	Y	96 Tips/Rack	960
229016	10µL Extended Length Pipette Tips	Y	Y	96 Tips/Rack	960
229017	20µL Pipette Tips	Y	Y	96 Tips/Rack	960
229018	100µL Pipette Tips	Y	Y	96 Tips/Rack	960
229019	200µL Pipette Tips	Y	Y	96 Tips/Rack	960
229020	300µL Pipette Tips	Y	Y	96 Tips/Rack	960
229021	1000µL Pipette Tips	Y	Y	96 Tips/Rack	960
229022	1000µL Extended Length Pipette Tips	Y	Y	96 Tips/Rack	960
PIPETTE TIPS - LOW RETENTION, RELOAD SYSTEM					N, R/D F, NP, USP, PP
229052	10µL Pipette Tip Reload System	Y	N	960 Tips/Reload System	1920
229054	200µL Pipette Tip Reload System	Y	N	960 Tips/Reload System	1920
229055	300µL Pipette Tip Reload System	Y	N	960 Tips/Reload System	1920
229056	1000µL Pipette Tip Reload System	Y	N	480 Tips/Reload System	1920

EMPTY PIPETTE TIP RACKS - 20 RACKS PER CASE			N, R/D F, NP, USP, PP
Tip Size	Racks for Bulk Tips (Wafer Included)	Racks for Reload System (No Wafer Included)	
10µL/10µL Extended Length	229065	229060	
200µL/300µL	229066	229061	
1000µL	229067	229062	
1000µL Extended Length	229068	229063	

Centrifuge Tubes



Centrifuge Tubes are available with a variety of special features and packaging options. Please refer to the Centrifuge Tube Selection Guide below and pages 15 - 21 for additional information on tube options.

- Temperature range of -80°C to 120°C (polypropylene only)

- 1 Graduations are printed in bold easy-to-read black ink and are accurate to $\pm 2\%$
- 2 Large white marking area provides excellent contrast for identification
- 3 Easy to write on flat surface polyethylene (HDPE) caps feature integrated leak-proof seal
- 4 Tubes include graduations molded into the conical bottom, ideal for pellet viewing and small volume quantification
- 5 Black Centrifuge Tubes protect light sensitive compounds and eliminate the need to wrap tubes with aluminum foil
- 6 Ergonomic flip top cap is designed for single handed operation; Single piece Snap-Pop Lid also available (page 17)



Centrifuge Tube Selection Guide

Options listed below are for sterile, conical bottom, polypropylene centrifuge tubes unless otherwise noted.

TUBE DESCRIPTION	PAGE	15mL				50mL			
		Bag	Paper Rack	Foam Rack	Plastic Rack	Bag	Paper Rack	Foam Rack	Plastic Rack
Flat Top Screw Cap	15 - 16	229411	229410	229412	229418	229421	229420	229422	229428
Flip Top Screw Cap	15	229417	229416			229427	229426		
Snap-Pop Lid (Conical)	17	229496				229498			
Snap-Pop Lid (Self-Standing)	17	229497				229499			
Sure Cap	17	229401				229402			
Vented (Bio-Reaction) Cap	19	229471		229472		229475		229476	
Vented (Bio-Reaction) Cap - Self-Standing	19					229479			
Polystyrene (Sure Cap only)	17	229491							
Black Opaque	15	229431 229432				229433 229434			
Self-Standing	15					229430			

Additional options available for non-sterile centrifuge tubes, see page 15.

Centrifuge Tubes - Bag



- Convenient zip-closure bag is a practical alternative to folding and taping opened bags
- Available in 15 & 50mL Conical Bottom, 50mL Self-Standing, 15 & 50mL Flip Top and 15 & 50mL Black tube options
- Easily refill reusable racks with tubes packed in bags

CENTRIFUGE TUBES - BAG			S, R/D F, NP, USP, A, PP		
Part No.	Product Description	Pack Description	Qty/ Case	Sterile (Y/N)	Max Force (RCF) g
229411	15mL Centrifuge Tube	25/Re-sealable Bag	500	Y	12000
229421	50mL Centrifuge Tube	25/Re-sealable Bag	500	Y	16000
229430	50mL Centrifuge Tube - Self-Standing	25/Re-sealable Bag	500	Y	6000
FLIP TOP CENTRIFUGE TUBES - BAG			S, R/D F, NP, USP, A, PP		
229417	15mL Centrifuge Tube, Flip Top Cap	25/Re-sealable Bag	500	Y	9400
229427	50mL Centrifuge Tube, Flip Top Cap	25/Re-sealable Bag	500	Y	9400
229425	50mL Centrifuge Tube, Flip Top Cap Only	25/Re-sealable Bag	1000	Y	NA
BLACK CENTRIFUGE TUBES - BAG			S, R/D F, NP, USP, A, PP		
229431	15mL Centrifuge Tube, Black	25/Re-sealable Bag	100	Y	12000
229432	15mL Centrifuge Tube, Black	25/Re-sealable Bag	500	Y	12000
229433	50mL Centrifuge Tube, Black	25/Re-sealable Bag	100	Y	16000
229434	50mL Centrifuge Tube, Black	25/Re-sealable Bag	500	Y	16000
CAP OR TUBE ONLY CENTRIFUGE TUBES - BAG			N, R/D F, NP, USP, A, PP		
229450	TUBE ONLY, 15mL Centrifuge Tube	500/Bag	500	N	12000
229451	CAP ONLY, 15mL Centrifuge Tube	500/Bag	500	N	NA
229452	TUBE & CAP, 15mL Centrifuge Tube & Cap	Tubes 500/Bag & Caps 500/Bag	500	N	12000
229453	CAP ONLY, 50mL Centrifuge Tube	500/Bag	500	N	NA
229454	TUBE ONLY, 50mL Centrifuge Tube	500/Bag	500	N	16000
229456	TUBE & CAP, 50mL Centrifuge Tube & Cap	Tubes 500/Bag & Caps 500/Bag	500	N	16000

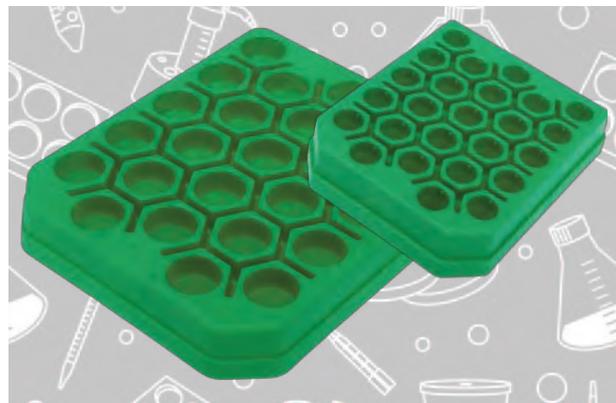
Centrifuge Tubes - Foam Rack

- Sturdy alternative to disposable paperboard racks
- Also available with printed marking spot and pre-numbered caps



CENTRIFUGE TUBES - FOAM RACK			S, R/D F, NP, USP, A, PP		
Part No.	Product Description	Pack Description	Qty/ Case	Sterile (Y/N)	Max Force (RCF) g
229412	15mL Centrifuge Tube	50/Foam Rack	300	Y	12000
229422	50mL Centrifuge Tube	25/Foam Rack	300	Y	16000
229423	50mL Centrifuge Tube, Marking Spot Cap	25/Foam Rack	300	Y	16000
229424	50mL Centrifuge Tube, Numbered Cap	25/Foam Rack	300	Y	16000

Centrifuge Tubes - Plastic Rack



▲ Reusable/Recyclable Racks also available for purchase separately (Part No. 229419 & 229429)

- Plastic Racks are manufactured from polypropylene and are chemically resistant and autoclavable
- Durable racks are reusable and recyclable
- Design of the tray prevents racks from sticking/freezing to surfaces
- Widely spaced design catches drips and allows tubes to be retrieved more easily

CENTRIFUGE TUBES - PLASTIC RACK			R/D F, NP, USP, A, PP		
Part No.	Product Description	Pack Description	Qty/Case	Sterile (Y/N)	Max Force (RCF) g
229418	15mL Centrifuge Tube	25/Plastic Rack with 2 Racks/Bag	300	Y	12000
229428	50mL Centrifuge Tube	25/Plastic Rack	300	Y	16000
229419	PLASTIC RACK ONLY, 15mL Centrifuge Tube	5/Bag	5	N	NA
229429	PLASTIC RACK ONLY, 50mL Centrifuge Tube	5/Bag	5	N	NA

Centrifuge Tubes - Paperboard Rack

- Economical, recyclable alternative to disposable foam rack
- Available in 15 & 50mL Screw Cap and 15 & 50mL Flip Top Cap tube options
- Folds flat for recycling or disposal



CENTRIFUGE TUBES - PAPERBOARD RACK			R/D F, NP, USP, A, PP		
Part No.	Product Description	Pack Description	Qty/Case	Sterile (Y/N)	Max Force (RCF) g
229410	15mL Centrifuge Tube	25/Paperboard Rack with 2 Racks/Bag	500	Y	12000
229420	50mL Centrifuge Tube	25/Paperboard Rack	500	Y	16000
229455	50mL Centrifuge Tube	25/Paperboard Rack	500	N	16000
FLIP TOP CENTRIFUGE TUBES - PAPERBOARD RACK			S, R/D F, NP, USP, A, PP		
229416	15mL Centrifuge Tube, Flip Top Cap	25/Paperboard Rack with 2 Racks/Bag	500	Y	9400
229426	50mL Centrifuge Tube, Flip Top Cap	25/Paperboard Rack	500	Y	9400

NEW Snap-Pop Lid Centrifuge Tubes



- Easily open or seal the tube with one hand
- Audible 'Snap!' gives confidence that the tube is completely closed
- Elongated lip on attached cap prevents contact with tube which reduces cross contamination
- Ideal for sample storage, collection and experimental procedures
- Single-piece design is easy to use in the lab or the field
- Offers savings advantage versus traditional flip-top screw cap
- Available in conical and self-standing bottoms

SNAP-POP LID CENTRIFUGE TUBES CONICAL BOTTOM

S, R/D F, NP, A, PP

Part No.	Product Description	Pack Description	Qty/ Case	Max Force (RCF) g
229496	15mL Centrifuge Tube	50/Re-sealable Bag	500	5500
229498	50mL Centrifuge Tube	25/Re-sealable Bag	500	9000

SNAP-POP LID CENTRIFUGE TUBES SELF-STANDING

S, R/D F, NP, A, PP

229497	15mL Centrifuge Tube	50/Re-sealable Bag	500	1000
229499	50mL Centrifuge Tube	25/Re-sealable Bag	500	1000

Sure Cap Centrifuge Tubes

SURE CAP - POLYPROPYLENE & POLYSTYRENE TUBES

- Sure Cap with compressible liner creates a stable seal
- Available in 15 & 50mL **polypropylene** and 15mL **polystyrene** tube
- Polypropylene tubes have same great features as standard tube offering (see page 14)

SURE CAP - POLYSTYRENE TUBES

- Polystyrene tube is optically clear for easy viewing of sample
- Includes molded 15mL graduation line plus 0.5 and 1mL graduations molded into conical bottom allowing for small volume quantification



15mL polystyrene centrifuge tube also available



SURE CAP CENTRIFUGE TUBES - POLYPROPYLENE

S, R/D F, NP, A (Tube Only), PP

Part No.	Product Description	Pack Description	Qty/ Case	Max Force (RCF) g
229401	15mL Centrifuge Tube, Sure Cap	25/Re-sealable Bag	500	12000
229402	50mL Centrifuge Tube, Sure Cap	25/Re-sealable Bag	300	16000

SURE CAP CENTRIFUGE TUBES - POLYSTYRENE

S, R/D F, NP, PS

229491	15mL Centrifuge Tube, Sure Cap	25/Re-sealable Bag	500	3000
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NEW Colored Cap Centrifuge Tubes



Assorted color cases (PN 230411A & 230421A) include a free reusable plastic rack (PN 229419 & 229429)

- Easily color code samples for quick identification, customization and to increase productivity
- Tubes available packed with a single color per case or assorted
- Assorted colored cap tube cases contain 4 bags of each individual color (red, yellow, green, blue, purple)
- Graduations are printed in bold easy-to-read black ink and are accurate to $\pm 2\%$
- Large white marking area provides excellent contrast for identification
- Bulk packed sterile in zip-closure bags

COLORED CAP CENTRIFUGE TUBES

S, R/D F, NP, USP, A, PP

Part No.	Product Description	Cap Color	Pack Description	Qty/Case	Max Force (RCF) g
230411A	15mL Centrifuge Tube	Assorted	25/Re-sealable Bag	500	12000
229411	15mL Centrifuge Tube	Green	25/Re-sealable Bag	500	12000
230411B	15mL Centrifuge Tube	Blue	25/Re-sealable Bag	500	12000
230411P	15mL Centrifuge Tube	Purple	25/Re-sealable Bag	500	12000
230411R	15mL Centrifuge Tube	Red	25/Re-sealable Bag	500	12000
230411Y	15mL Centrifuge Tube	Yellow	25/Re-sealable Bag	500	12000
230421A	50mL Centrifuge Tube	Assorted	25/Re-sealable Bag	500	16000
229421	50mL Centrifuge Tube	Green	25/Re-sealable Bag	500	16000
230421B	50mL Centrifuge Tube	Blue	25/Re-sealable Bag	500	16000
230421P	50mL Centrifuge Tube	Purple	25/Re-sealable Bag	500	16000
230421R	50mL Centrifuge Tube	Red	25/Re-sealable Bag	500	16000
230421Y	50mL Centrifuge Tube	Yellow	25/Re-sealable Bag	500	16000

Markers



- Fast drying, smudge resistant, fine point marker
- Ideal for permanently marking all plastic labware, especially centrifuge tubes

MARKERS

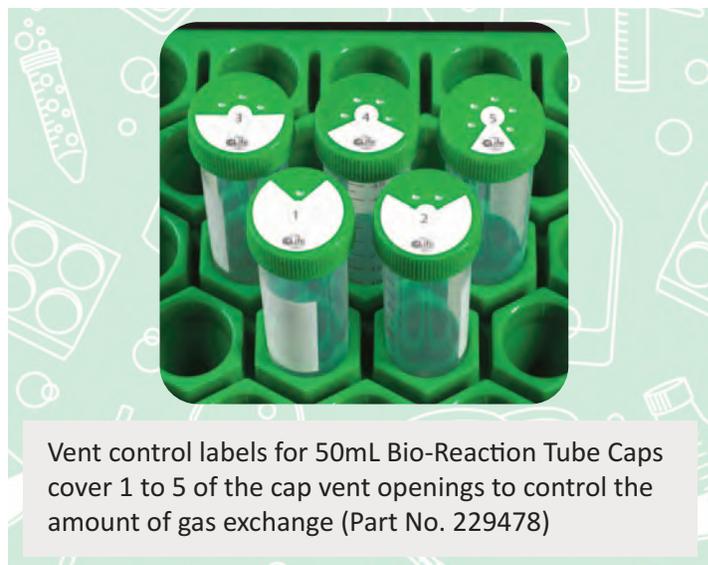
Part No.	Product Description	Qty/Case
229405	Green Tube Marker, Fast Drying Ink	5
229406	Blue Tube Marker, Fast Drying Ink	5
229407	Black Tube Marker, Fast Drying Ink	5
229408	Red Tube Marker, Fast Drying Ink	5

Bio-Reaction Tubes



- Bio-reaction tubes offer a convenient and economical option for small scale, high density suspension cell culture
- Ideal for biological reaction applications that require sterile conditions and free gas exchange
- Aseptic conditions are maintained through 0.22µm hydrophobic vented membrane
- Useful in the screening and optimization processes of suspension cells
- The reaction parameters can be optimized using small amounts of materials, maximizing the number of parallel experiments that can be performed simultaneously
- Ideal for suspension cell culture, bacterial growth, seeding larger bioreactors and supporting start-up testing procedures for larger bioreactors

- 1 Feature a 0.22µm hydrophobic membrane in the vent cap
- 2 Easy-to-read black graduations
- 3 Large white marking area



Vent control labels for 50mL Bio-Reaction Tube Caps cover 1 to 5 of the cap vent openings to control the amount of gas exchange (Part No. 229478)

BIO-REACTION TUBES

S, R/D F, NP, USP, A, PP

Part No.	Product Description	Pack Description	Qty/Case	Max Force (RCF) g
229471	15mL Bio-Reaction Tube	10/Re-sealable Bag	100	12000
229472	15mL Bio-Reaction Tube	50/Foam Rack	300	12000
229475	50mL Bio-Reaction Tube	10/Re-sealable Bag	100	16000
229476	50mL Bio-Reaction Tube	25/Foam Rack	300	16000
229479	50mL Self-Standing Bio-Reaction Tube	10/Re-sealable Bag	100	6000

BIO-REACTION TUBE CAPS

S, R/D F, NP, USP, HDPE

229473	CAP ONLY, Vented, Fits 15mL Bio-Reaction Tube	25/Re-sealable Bag	100	NA
229477	CAP ONLY, Vented, Fits 50mL Bio-Reaction Tube	25/Re-sealable Bag	100	NA

BIO-REACTION TUBE VENT CONTROL LABELS

229478	Vent Control Label, 50mL Bio-Reaction Tube, Sheet	10 Sets/Page	500	NA
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5mL Macro Centrifuge Tubes

- Offers the convenience of a micro centrifuge tube with the ability to process sample volumes up to 5mL
- Tube diameter and shape is the same as a standard 15mL conical bottom centrifuge tube enabling use with existing equipment
- All tubes have frosted marking spot and engraved graduations
- Attached flat top cap is easy to open and close with one hand
- Center of the cap includes a thin “membrane” area designed for easy puncture and access by a syringe/needle
- Opaque black tube protects light sensitive compounds



5ML MACRO CENTRIFUGE TUBES

R/D F, USP, A, PP

Part No.	Product Description	Pack Description	Qty/Case	Sterile (Y/N)	Max Force (RCF)g
229439	5mL Macro Centrifuge Tube, Black	50/Re-sealable Bag	100	N	25000
229449	5mL Macro Centrifuge Tube	20/Re-sealable Bag	100	Y	25000

Micro Centrifuge Tubes



- All tubes have a frosted marking spot and engraved graduations
- Attached flat top cap is easy to open and close with one hand
- 1.5mL opaque black tube protects light sensitive compounds

MICRO CENTRIFUGE TUBES

R/D F, NP, USP, A, PP

Part No.	Product Description	Pack Description	Qty/Case	Sterile (Y/N)	Max Force (RCF) g
229440	0.5mL Micro Centrifuge Tube	1000/Re-sealable Bag	5000	Y	25000
229441	1.5mL Micro Centrifuge Tube	500/Re-sealable Bag	1000	N	25000
229442	1.5mL Micro Centrifuge Tube	500/Re-sealable Bag	1000	Y	25000
229443	1.5mL Micro Centrifuge Tube	1000/Re-sealable Bag	5000	Y	25000
229437	1.5mL Micro Centrifuge Tube, Black	500/Re-sealable Bag	1000	Y	25000
229446	2.0mL Micro Centrifuge Tube	1000/Re-sealable Bag	5000	Y	25000
229448	2.0mL Micro Centrifuge Tube, Self-Standing	500/Re-sealable Bag	5000	N	15000

Oak Ridge Style Centrifuge Tubes



- High speed tubes feature a round bottom and uniform wall thickness
- Tubes are economical and leak-proof for refrigerated or standard centrifugation
- For proper performance, 80% of total capacity must be filled

OAK RIDGE STYLE CENTRIFUGE TUBES

N, USP, A, PP

Part No.	Product Description	Qty/Case	Max Force (RCF) g
229460	10mL Oak Ridge Style Centrifuge Tube, Round Bottom	12	50000
229461	30mL Oak Ridge Style Centrifuge Tube, Round Bottom	12	50000
229462	50mL Oak Ridge Style Centrifuge Tube, Round Bottom	12	50000

Centrifuge Bottles

- Centrifuge Bottles have a rigid body for low to moderate speed centrifugation of biological and chemical samples
- High quality polycarbonate and polypropylene have excellent chemical resistance
- Reusable and autoclavable
- Use of a rotor cushion is required to support bottles during centrifugation
- Packaged non-sterile in re-sealable bags



POLYCARBONATE

- Seal cap has extended lip to facilitate removal from rotor, and gripping ridges for easy opening and sealing
- Bottles include molded graduation lines
- Bottle must be filled 80% of total capacity to obtain maximum results

POLYPROPYLENE

- Translucent walls provide visibility of contents
- Bottle must be filled 75% of total capacity to obtain maximum results

CENTRIFUGE BOTTLES - POLYCARBONATE				N, USP, A, PC	
	Part No.	Product Description	Qty/ Case	Max Force (RCF) g	
NEW	229464	250mL Centrifuge Bottle - Polycarbonate	4	13,700	
NEW	229469	500mL Centrifuge Bottle - Polycarbonate	4	13,850	
CENTRIFUGE BOTTLES - POLYPROPYLENE				N, USP, A, PP	
	229467	250mL Centrifuge Bottle - Polypropylene	2	27,500	
	229468	500mL Centrifuge Bottle - Polypropylene	2	13,500	

Large Volume Centrifuge Tubes

- For applications requiring large volume centrifugation
- Tubes include molded graduation lines
- Polyethylene (HDPE) cap with integral plug seal provides a secure closure
- Temperature range of -80°C to 120°C
- Use of a rotor cushion is required to support tubes during centrifugation



LARGE VOLUME CENTRIFUGE TUBES				S, R/D F, NP, USP, A, PP	
Part No.	Product Description	Pack Description	Qty/ Case	Max Force (RCF) g	
229465	225mL Conical Bottom Centrifuge Tube	6/Re-sealable Bag	48	7500	
229466	250mL Conical Bottom Centrifuge Tube	6/Re-sealable Bag	48	7500	

Cell Strainers

- CELLTREAT Cell Strainers can be used for many applications including isolating cells and removing clumps or debris
- The CELLTREAT exclusive pestle design improves manipulation of material in the strainer during use
- Hydrophilic treatment increases flow and reduces the effects of surface tension

- 1 Polypropylene housing with nylon mesh filter eliminates the need to fabricate filters from gauze, paper, nylon mesh, or other materials
- 2 Extended lip on housing enables aseptic handling with forceps
- 3 Elongated gripping tab on housing for easy handling
- 4 5.5 inch pestle length for convenient hand manipulation
- 5 Convex pestle head includes molded textured surface to better manipulate material in the cell strainer
- 6 Cell strainers are designed to universally fit most brands of 50mL conical tubes



▲ Cell Strainers are also available bulk packed in re-sealable bags



CELL STRAINERS

S, R/D F, NP, USP, PP

Part No.	Product Description	Porosity Size	Color	Pack Description	Qty/Case
229481	Cell Strainer	40µm	Blue	Individually Wrapped	50
229482	Cell Strainer	40µm	Blue	10 Bulk Packed/Bag	50
229483	Cell Strainer	70µm	White	Individually Wrapped	50
229484	Cell Strainer	70µm	White	10 Bulk Packed/Bag	50
229485	Cell Strainer	100µm	Yellow	Individually Wrapped	50
229486	Cell Strainer	100µm	Yellow	10 Bulk Packed/Bag	50
229480	Cell Strainer Pestle	NA	Green	Individually Wrapped	50

Treated Cell Culture Dishes



- Cell culture treatment process provides consistent and even hydrophilic surface for improved cell attachment
- Manufactured from medical grade virgin polystyrene

- 1 35, 60, 70 and 100mm dishes available with a gripping feature for improved handling
- 2 Vented lids contain molded spacers to allow gas exchange, and stacking rings for increased stability

DISHES - TREATED CELL CULTURE WITH GRIPPING FEATURE

S, R/D F, NP, USP, PS

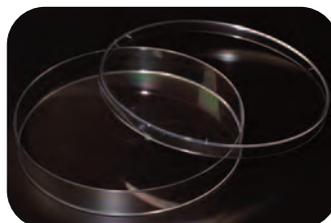
Part No.	Product Description	Working Volume	Growth Area	Pack Description	Qty/Case
229635	35mm x 10mm Tissue Culture Treated Dish	5mL	8.5cm ²	10/Re-sealable Bag	500
229660	60mm x 15mm Tissue Culture Treated Dish	7 - 8mL	21cm ²	10/Re-sealable Bag	500
229670	70mm x 15mm Tissue Culture Treated Dish	7 - 8mL	36.3cm ²	10/Re-sealable Bag	500
229690	100mm x 15mm Tissue Culture Treated Dish	15 - 16mL	55cm ²	10/Re-sealable Bag	500
229620	100mm x 20mm Tissue Culture Treated Dish	15 - 16mL	60.5cm ²	10/Re-sealable Bag	300



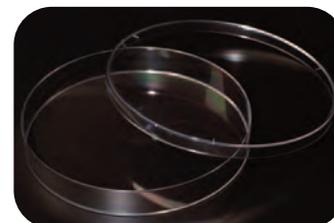
PN 229661



PN 229621



PN 229650 & 229651



PN 229652

DISHES - TREATED CELL CULTURE WITHOUT GRIPPING FEATURE

S, R/D F, NP, USP, PS

Part No.	Product Description	Working Volume	Growth Area	Pack Description	Qty/Case
229661	60mm x 15mm Tissue Culture Treated Dish	7 - 8mL	21cm ²	20/Re-sealable Bag	500
229621	100mm x 20mm Tissue Culture Treated Dish	15 - 16mL	60.5cm ²	10/Re-sealable Bag	300
229650	150mm x 20mm Tissue Culture Treated Dish	25 - 28mL	143cm ²	1/Bag	60
229651	150mm x 20mm Tissue Culture Treated Dish	25 - 28mL	143cm ²	5/Re-sealable Bag	100
NEW 229652	150mm x 25mm Tissue Culture Treated Dish	52 - 132mL	154cm ²	5/Bag	60

Non-Treated Cell Culture Dishes



- Non-Treated Cell Culture Dishes have thicker and more durable plastic than standard Petri Dishes - both can be used for the same applications
- 35, 60, 70 and 100mm dishes available with a gripping feature for improved handling
- Vented lids contain molded spacers to allow gas exchange, and stacking rings for increased stability
- 150mm x 20mm Dish available with Non-Vented Lid to reduce gas exchange
- Manufactured from medical grade virgin polystyrene

DISHES - NON-TREATED CELL CULTURE WITH GRIPPING FEATURE

S, R/D F, NP, USP, PS

Part No.	Product Description	Working Volume	Growth Area	Pack Description	Qty/Case
229638	35mm x 10mm Petri Dish	5mL	8.5cm ²	10/Bag	960
229663	60mm x 15mm Petri Dish	7 - 8mL	21cm ²	10/Bag	500
229692	100mm x 15mm Petri Dish	15 - 16mL	55cm ²	10/Bag	300
229693	100mm x 15mm Petri Dish	15 - 16mL	55cm ²	10/Bag	500
229623	100mm x 20mm Petri Dish	15 - 16mL	60.5cm ²	10/Bag	300

DISHES - NON-TREATED CELL CULTURE WITHOUT GRIPPING FEATURE

S, R/D F, NP, USP, PS

229656	150mm x 15mm Petri Dish	25 - 28mL	153cm ²	10/Bag	100
229653	150mm x 20mm Petri Dish	25 - 28mL	143cm ²	5/Bag	100
229655	150mm x 20mm Dish, Non-Vented Lid	25 - 28mL	143cm ²	5/Bag	100

Loops, Needles and Spreaders

- Flexible for easy access to small volume tubes and dishes
- Color coded for easy identification
- Gentle on delicate agar or other surfaces
- L-Shaped Cell Spreader is ideal for evenly spreading bacterial cultures
- Loops and L-Shaped Cell Spreader available individually wrapped in peel-to-open paper/plastic wrappers



L-SHAPED CELL SPREADERS

S, R/D F, NP, USP, PP

Part No.	Product Description	Color	Length	Pack Description	Qty/Case
229617	L-Shaped Spreader	Green	145mm	10/Pack	500
229616	L-Shaped Spreader	Green	145mm	100 Individually Wrapped/Bag	100

INOCULATING LOOPS AND NEEDLES

S, R/D F, NP, USP, PP

229601	1uL Inoculating Loop	White	218mm	20/Pack	2000
229602	1uL Inoculating Loop	White	218mm	100 Individually Wrapped/Bag	600
229610	10uL Inoculating Loop	Blue	221mm	20/Pack	2000
229612	10uL Inoculating Loop	Blue	221mm	100 Individually Wrapped/Bag	600
229615	Inoculating Needle	Yellow	221mm	20/Pack	2000

Petri Dishes

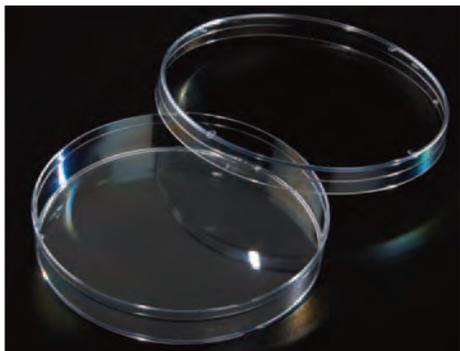


Part No. 229665

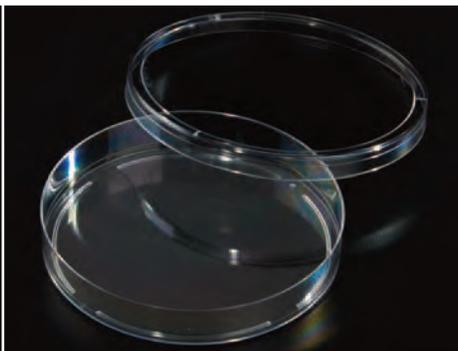
- CELLTREAT Petri Dishes are manufactured in high capacity automated production lines resulting in high quality, value priced products
- Ventilation ribs reduce condensation and allow air circulation
- Consistent flatness allows for even media distribution

CELLTREAT ADVANTAGE FEATURE:

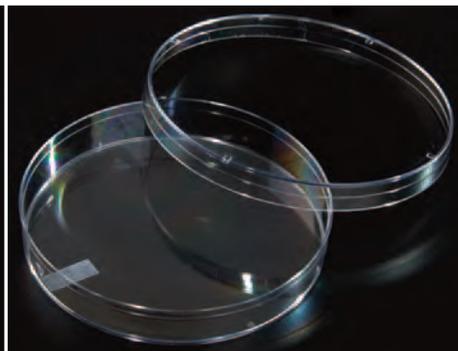
- Durable packaging offers greater protection from damage versus competitive brands



Part No. 229695



Part No. 229694



Part No. 229697

STACKABLE	STACKABLE/SLIDEABLE	SLIPPABLE
Lids contain stacking rings for increased stability	Features partial edge ring on base which allows a single dish to be slid from a large stack and enhances stability when stacked	Designed for automated filling and streaking systems, features side arrows and ISO Mark Target for automation

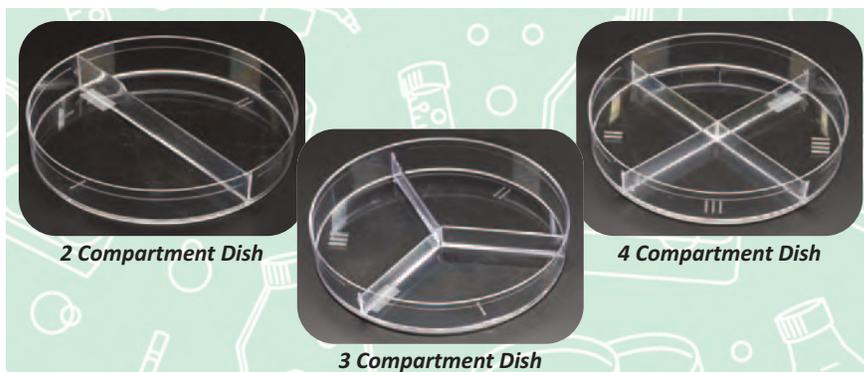
DISHES - PETRI

S, R/D F, NP, USP, PS

Part No.	Product Description	Dish Style	Working Volume	Growth Area	Pack Description	Qty/Case
229665	60mm x 15mm Petri Dish	Stackable	7 - 8 mL	21cm ²	20/Bag	500
229694	100mm x 15mm Petri Dish	Stackable/Slideable	15 - 16mL	55cm ²	20/Bag	500
229695	100mm x 15mm Petri Dish	Stackable	15 - 16mL	55cm ²	20/Bag	500
229697	100mm x 15mm Petri Dish	Slippable	15 - 16mL	55cm ²	20/Bag	500

Compartment Petri Dishes

- Designed for simultaneous studies of organisms in a common environment
- Molded dividers create completely separate compartments while allowing airflow
- Ridge on bottom of dish allows easy handling and stacking
- Lids contain 3 molded spacers to allow gas exchange
- Working volume and growth area listed in table below are per compartment



2 Compartment Dish

3 Compartment Dish

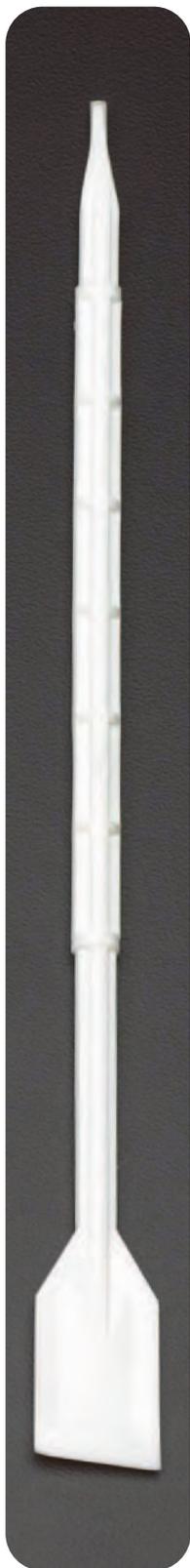
4 Compartment Dish

DISHES - COMPARTMENT PETRI

S, R/D F, NP, USP, PS

Part No.	Product Description	Working Volume	Growth Area	Pack Description	Qty/Case	Stackable (Y/N)
229682	100mm x 15mm Petri Dish, 2 Compartments	7-8mL	28.3cm ²	20/Bag	500	Y
229683	100mm x 15mm Petri Dish, 3 Compartments	5mL	18.9cm ²	20/Bag	500	Y
229684	100mm x 15mm Petri Dish, 4 Compartments	4mL	14.1cm ²	20/Bag	500	Y

Double Ended Cell Lifters



- 1** Unique double end design features 19mm beveled edge flat blade on one end and J-Hook or Narrow Blade on the other
- 2** Narrow blade is tapered to fit into 96 well plates or micro centrifuge tubes and can be used to re-suspend stubborn pellets
- 3** J-Hook is curved on the end to vertically lift cells from 4, 6, 12, 24 and 48 well plates
- 4** 19mm beveled edge flat blade ensures even contact with growth surface of flasks and dishes



DOUBLE ENDED CELL LIFTERS

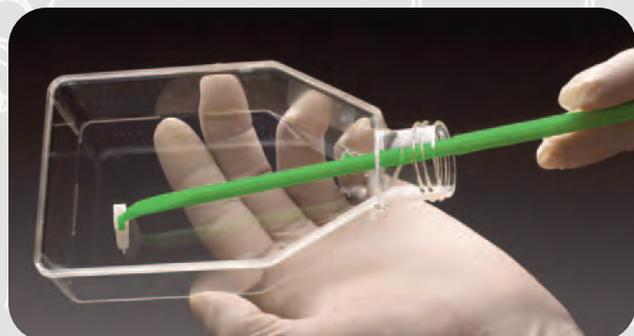
S, R/D F, NP, USP, PP

Part No.	Product Description	Pack Description	Qty/Case
229305	Cell Lifter, Double End, Flat Blade & Narrow Blade	100 Individually Wrapped/Bag	100
229306	Cell Lifter, Double End, Flat Blade & J-Hook	100 Individually Wrapped/Bag	100

Cell Scrapers



"Scraper" Blade in use



"Lifter" Blade in use

- Cell Scrapers are designed to gently harvest cells from tissue culture flasks, dishes or bottles
- Soft, pliable blade won't damage cells or scratch surfaces

- 1 "Scraper" Blade is positioned parallel to the handle for windshield wiper like scraping (PN 229310 & 229315)
- 2 "Lifter" Blade is positioned perpendicular to the handle for use with a raking motion (PN 229311 & 229316)
- 3 Pivoting Blade Cell Scraper features free rotating blade that adjusts to the desired position, providing access to all corners of the flask or tissue culture vessel (PN 229312)

CELL SCRAPERS

S, R/D F, NP, USP, ABS/TPE

Part No.	Product Description	Handle Length	Blade Length	Blade Orientation	Pack Description	Qty/ Case
229310*	Cell Scraper	25cm	20mm	Scraper (parallel)	Individually Wrapped	100
229311	Cell Scraper	25cm	20mm	Lifter (perpendicular)	Individually Wrapped	100
229312	Cell Scraper	30cm	20mm	Pivoting	Individually Wrapped	100
229315	Cell Scraper	39cm	30mm	Scraper (parallel)	Individually Wrapped	100
229316	Cell Scraper	39cm	30mm	Lifter (perpendicular)	Individually Wrapped	100

*Most popular option

Cell Culture Flasks



- Tissue Culture Treated Flasks available in 7 sizes: 12.5, 25, 75, 182, 225, 300 and **NEW** 182cm² Deep Volume
- Cell Culture Flasks are available in Tissue Culture Treated and Non-treated Suspension Culture versions
- Tissue Culture Treated Flasks have uniform hydrophilic surface ideal for consistent cell attachment
- Stable base enables filling with flask standing upright
- 182cm² flask offers more growth area than standard 175cm² flasks
- **NEW** - 182cm² Deep Volume Flask (Weekend Flask) extra depth allows for more media volume; cell cultures can be left to grow for longer without drying out (maintain cell cultures over the weekend!)
- Convenient zip-closure bag is a practical alternative to folding and taping opened bags

- 1** Vent caps feature 0.22µm hydrophobic membrane
- 2** Large opening, canted neck design and moderate angles allow easy access to entire flask surface; ideal for cell scrapers (see page 27)
- 3** Molded, interlocking T design for improved stacking - included on 75, 182 & 300cm² and 250, 600 & 850mL size flasks only
- 4** Thick durable walls
- 5** Flask is printed with lot number and expiration date for easy identification and tracking

FLASKS - TISSUE CULTURE TREATED

S, R/D F, NP, USP, PS

Part No.	Product Description	Cap Style	Max Volume	Pack Description	Qty/Case
229321	12.5cm ² Tissue Culture Flask	Vent	25mL	10/Re-sealable Bag	200
229331	25cm ² Tissue Culture Flask	Vent	50mL	10/Re-sealable Bag	200
229341	75cm ² Tissue Culture Flask	Vent	250mL	5/Re-sealable Bag	100
229351	182cm ² Tissue Culture Flask	Vent	600mL	5/Re-sealable Bag	40
NEW 229381	182cm ² Tissue Culture Flask - Deep Volume	Vent	700mL	5/Re-sealable Bag	40
229371	225cm ² Tissue Culture Flask	Vent	700mL	5/Re-sealable Bag	25
229361	300cm ² Tissue Culture Flask	Vent	850mL	3/Re-sealable Bag	18
229320	12.5cm ² Tissue Culture Flask	Plug Seal	25mL	10/Re-sealable Bag	200
229330	25cm ² Tissue Culture Flask	Plug Seal	50mL	10/Re-sealable Bag	200
229340	75cm ² Tissue Culture Flask	Plug Seal	250mL	5/Re-sealable Bag	100
229350	182cm ² Tissue Culture Flask	Plug Seal	600mL	5/Re-sealable Bag	40
229370	225cm ² Tissue Culture Flask	Plug Seal	700mL	5/Re-sealable Bag	25
229360	300cm ² Tissue Culture Flask	Plug Seal	850mL	3/Re-sealable Bag	18

Cell Culture Flasks



Standard 182cm² Tissue Culture Flask (Top) vs. Deep Volume 182cm² Tissue Culture Flask (Bottom)



FLASKS - NON-TREATED SUSPENSION CULTURE					S, R/D F, NP, USP, PS	
Part No.	Product Description	Cap Style	Max Volume	Pack Description	Qty/Case	
229500	25mL Suspension Culture Flask	Vent	25mL	10/Re-sealable Bag	200	
229510	50mL Suspension Culture Flask	Vent	50mL	10/Re-sealable Bag	200	
229520	250mL Suspension Culture Flask	Vent	250mL	5/Re-sealable Bag	100	
229530	600mL Suspension Culture Flask	Vent	600mL	5/Re-sealable Bag	40	
229540	850mL Suspension Culture Flask	Vent	850mL	3/Re-sealable Bag	18	

Flask Caps

FLASK CAPS				S, R/D F, NP, USP, HDPE	
Part No.	Product Description	Cap Style	Fits Flask Size	Qty/Case	
229392	Flask Cap	Plug Seal	12.5cm ² & 25mL	5	
229389	Flask Cap	Plug Seal	25cm ² & 50mL	5	
229396	Flask Cap	Plug Seal	75cm ² & 250mL	5	
229398	Flask Cap	Plug Seal	182 & 300cm ² & 600 & 850mL	5	
229393	Flask Cap	Vent	12.5cm ² & 25mL	5	
229390	Flask Cap	Vent	25cm ² & 50mL	5	
229397	Flask Cap	Vent	75cm ² & 250mL	5	
229399	Flask Cap	Vent	182 & 300cm ² & 600 & 850mL	5	

Multiple Well Plates



MULTIPLE WELL PLATES - TISSUE CULTURE TREATED

S, R/D F, NP, USP, PS

Part No.	Product Description	Bottom Shape	Cell Growth Area	Pack Description	Qty/ Pack	Qty/ Case
229101	1 Well Tissue Culture Plate	Flat	97.4cm ²	Individual		50
229103	4 Well Tissue Culture Plate	Flat	1.96cm ²	Individual		50
229105	6 Well Tissue Culture Plate	Flat	9.60cm ²	Individual		50
229106	6 Well Tissue Culture Plate	Flat	9.60cm ²	Individual	50	100
229111	12 Well Tissue Culture Plate	Flat	3.85cm ²	Individual		50
229112	12 Well Tissue Culture Plate	Flat	3.85cm ²	Individual	50	100
229123	24 Well Tissue Culture Plate	Flat	1.93cm ²	Individual		50
229124	24 Well Tissue Culture Plate	Flat	1.93cm ²	Individual	50	100
229147	48 Well Tissue Culture Plate	Flat	0.84cm ²	Individual		50
229148	48 Well Tissue Culture Plate	Flat	0.84cm ²	Individual	50	100
229195	96 Well Tissue Culture Plate	Flat	0.33cm ²	Individual		50
229196	96 Well Tissue Culture Plate	Flat	0.33cm ²	Individual	50	100
229197	96 Well Tissue Culture Plate	Flat	0.33cm ²	Bulk	5	100
229190	96 Well Tissue Culture Plate	Round	0.33cm ²	Individual	50	100
NEW 229138	384 Well Tissue Culture Plate	Flat	0.1135cm ²	Individual		50

MULTIPLE WELL PLATES - NON-TREATED

S, R/D F, NP, USP, PS

Part No.	Product Description	Bottom Shape	Working Volume	Pack Description	Qty/ Pack	Qty/ Case
229501	1 Well Non-treated Plate	Flat	19.5 - 48.7mL	Individual		50
229503	4 Well Non-treated Plate	Flat	500 - 800μL	Individual		50
229506	6 Well Non-treated Plate	Flat	2 - 8mL	Individual	50	100
229512	12 Well Non-treated Plate	Flat	2 - 4mL	Individual	50	100
229524	24 Well Non-treated Plate	Flat	0.5 - 1.5mL	Individual	50	100
229548	48 Well Non-treated Plate	Flat	0.3 - 1.0mL	Individual	50	100
229590	96 Well Non-treated Plate	Round	50 - 300μL	Individual	50	100
229591	96 Well Non-treated Plate without Lid	Round	50 - 300μL	Individual	50	100
229592	96 Well Non-treated Plate without Lid	Flat	50 - 300μL	Individual	50	100
229596	96 Well Non-treated Plate	Flat	50 - 300μL	Individual	50	100
NEW 229597	96 Well Non-treated Plate	Flat	50 - 300μL	Bulk	5	100
NEW 229538	384 Well Non-treated Plate	Flat	100 - 110μL	Individual		50

Multiple Well Plates



- Available in tissue culture treated or non-treated versions
- Cell culture treatment process provides consistent and even hydrophilic surface for improved cell attachment
- Polystyrene is optically clear for easy cell viewing and imaging
- Round bottom option is available for 96 Well Plates
- Plate is printed with lot number and expiration date for easy identification and tracking
- Sturdy individual blister pack prevents damage when handling or shipping
- Bulk packaging option (5/sleeve) increases efficiency for high volume users

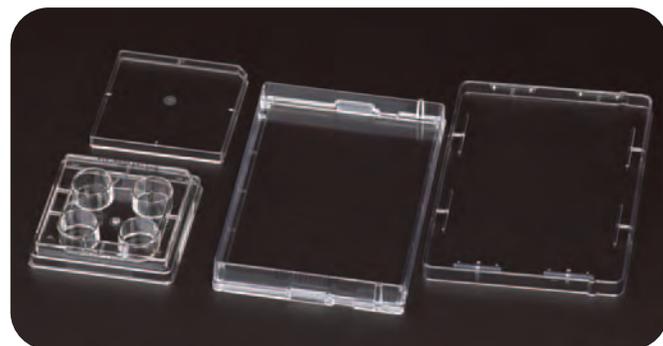
- 1 Plates are labeled with alpha-numeric markings for easy identification of individual wells
- 2 Each well has a raised rim which nests into the rings on the single direction lid to reduce evaporation and limit the risk of cross contamination
- 3 Lids have a stacking feature for added stability when handling tall stacks of plates

1 Well Plates

- Useful for high volume and robotic screening of DNA libraries as well as manual plating
- Same footprint as standard multiple well plates
- Suitable for dot-blotting bacterial clones on 11.4 x 7.3cm (4.5 x 2.875in) nylon membranes

4 Well Plates

- Expanded spacing of wells helps reduce cross contamination
- Well diameter similar to 24 well plate
- Smaller footprint than standard multiple well plates



384 Well Plates

- Smaller size wells use less volume, reducing costs
- Increase the number of drug screening targets within the standard footprint
- Ideal for automated applications, colorimetric assays, compound storage or small volume applications

Glass Bottom Cell Culture Dishes & Plates



- Glass bottom dishes and plates have the same great features as standard tissue culture treated products with the added benefit of borosilicate glass bottom microwells
- Convenient live cell viewing without needing to transfer
- Optically clear borosilicate glass for exceptional viewing
- Applications include: cell culture and imaging, live cell observation and specialty microscopy such as confocal high resolution and contrast
- Traditional footprints cause minimal disruption in cell culture techniques
- Constructed with noncytotoxic medical adhesive
- Round cover glass also available for use with glass bottom plates and dishes (see below)

DISHES - GLASS BOTTOM TISSUE CULTURE TREATED

S, R/D F, NP, USP, PS, GLS

Part No.	Product Description	Pack Description	Qty/Case
229632	30mm x 10mm Tissue Culture Treated Dish, 15mm Glass Bottom	10/Re-sealable Bag	50

PLATES - GLASS BOTTOM TISSUE CULTURE TREATED

S, R/D F, NP, USP, PS, GLS

229107	6 Well Tissue Culture Plate with Lid, 20mm Glass Bottom	Individual	5
229125	24 Well Tissue Culture Plate with Lid, 10mm Glass Bottom	Individual	5

Round Cover Glass

- High-quality, optically clear borosilicate glass cover slips are ideal for specialty microscopy and imaging
- Ideal for use with Dishes and Multiple Well Plates and anywhere a square cover glass is unsuitable
- Consistent flatness and scratch-free
- Resistant to organic solvents
- Packaged in a hinged plastic storage case
- 15mm Round Cover Glass can be used with a 24 Well Glass Bottom Plate (Part No. 229125)
- 20mm Round Cover Glass can be used with a 12 Well Plate or 30mm Glass Bottom Dish (Part No. 229632)
- 25mm Round Cover Glass can be used with a 6 Well Glass Bottom Plate (Part No. 229107)
- Cover Glass is #1.5 thickness

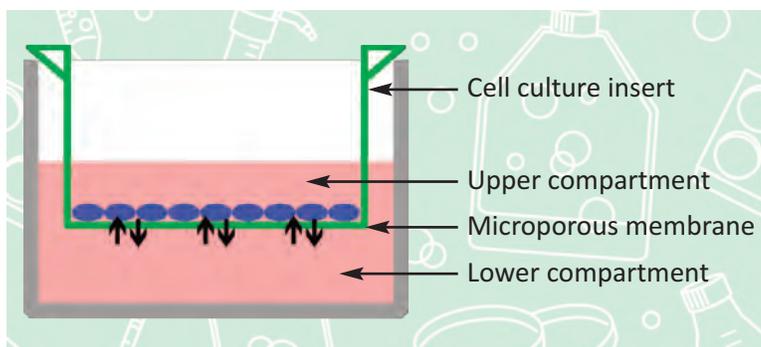


ROUND COVER GLASS

S, R/D F, NP, A, GLS

Part No.	Product Description	Qty/Case
229172	15mm Round Cover Glass, Fits 24 Well Plate	100/Pack
229173	20mm Round Cover Glass, Fits 12 Well Plate or 30mm Dish	100/Pack
229174	25mm Round Cover Glass, Fits 6 Well Plate	100/Pack

NEW Permeable Cell Culture Inserts



- Membrane remains suspended above well bottom, allowing co-culture: grow one cell line inside insert, and another below in the well
- Inserts are designed to fit in multiple well plates and center in wells, preventing membrane from touching sides and wicking between insert and side wall
- Ideal for drug transfer assays, transport studies, migration assays, cell-cell interaction studies, and to mimic *in vivo* conditions

- Insert features openings to allow access to lower compartment without removal from plate
- 24 Well Plates come with 12 inserts to prevent cross-contamination; pass over empty wells instead of in-use inserts
- PC membrane is best for cell attachment; PET is best for fluorescence imaging and phase contrast microscopy
- 0.4 μ m pore size is ideal for co-culture and drug transport studies
- 3.0 μ m and 8.0 μ m pore size are ideal for angiogenesis and chemotaxis experiments
- Carrier plate is Tissue Culture Treated which encourages cell adhesion; Non-Treated Plates sold separately

PERMEABLE CELL CULTURE INSERTS

S, R/D F, NP, USP, PS

Part No.	Product Description	Membrane Material	Membrane Pore Size	Pack Description	Qty/Case
230601	Inserts Packed in 6 Well Plate	PC	0.4 μ m	6 Inserts/Plate, 2 Plates/Case	12
230603	Inserts Packed in 6 Well Plate	PC	3.0 μ m	6 Inserts/Plate, 2 Plates/Case	12
230605	Inserts Packed in 6 Well Plate	PC	8.0 μ m	6 Inserts/Plate, 2 Plates/Case	12
230607	Inserts Packed in 6 Well Plate	PET	0.4 μ m	6 Inserts/Plate, 2 Plates/Case	12
230609	Inserts Packed in 6 Well Plate	PET	3.0 μ m	6 Inserts/Plate, 2 Plates/Case	12
230611	Inserts Packed in 6 Well Plate	PET	8.0 μ m	6 Inserts/Plate, 2 Plates/Case	12
230629	Inserts Packed in 24 Well Plate	PC	0.4 μ m	12 Inserts/Plate, 2 Plates/Case	24
230631	Inserts Packed in 24 Well Plate	PC	3.0 μ m	12 Inserts/Plate, 2 Plates/Case	24
230633	Inserts Packed in 24 Well Plate	PC	8.0 μ m	12 Inserts/Plate, 2 Plates/Case	24
230635	Inserts Packed in 24 Well Plate	PET	0.4 μ m	12 Inserts/Plate, 2 Plates/Case	24
230637	Inserts Packed in 24 Well Plate	PET	3.0 μ m	12 Inserts/Plate, 2 Plates/Case	24
230639	Inserts Packed in 24 Well Plate	PET	8.0 μ m	12 Inserts/Plate, 2 Plates/Case	24

96 Deep Well Storage Plates



- 96 Deep Well Storage Plates can be used for the growth of bacterial cultures or storage of compounds
- Square to round transition of V-Bottom maximizes working volume
- Pyramid-Bottom eases sample retrieval and improves mixing by creating a sloshing effect rather than a vortex when agitated
- **NEW** - Round Bottom with round wells enable use with magnetic beads
- Polypropylene offers a low binding surface to prevent samples from sticking to the side walls during elution, and is chemically inert for combinatorial chemistry applications

96 DEEP WELL STORAGE PLATES

N, R/D F, NP, USP, A, PP

Part No.	Product Description	Well Volume	Well Shape	Bottom Shape	Pack Description	Qty/Case
229570	96 Deep Well Storage Plate	0.5mL	Round	V-Bottom	5/Bag	25
229571	96 Deep Well Storage Plate	1.1mL	Square	V-Bottom	5/Bag	25
229573	96 Deep Well Storage Plate	1.5mL	Square	Round Bottom	5/Bag	25
229572	96 Deep Well Storage Plate	2.0mL	Square	Pyramid Bottom	5/Bag	25
229574	96 Deep Well Storage Plate	2.0mL	Square	V-Bottom	5/Bag	25
NEW 229575	96 Deep Well Storage Plate	2.0mL	Round	Round Bottom	5/Bag	25

NEW Sealing Films

BREATHABLE SEALING FILM

- Breathable Sealing Film promotes uniform gas exchange and can be pierced easily with pipette tips
- Reduces outer well evaporation and cross contamination
- Recommended for use between -20°C and 80°C

FOIL SEALING FILM

- Foil Sealing Film (50µm thickness) reduces sample evaporation, can be pierced easily with pipette tips & automation, and is heat and cold resistant
- Recommended use for temperature range -80°C to 120°C



SEALING FILMS

Part No.	Product Description	Pack Description	Qty/Case	Sterile (Y/N)
229130	Breathable Sealing Film	50/Re-sealable Bag	50	Y
229132	Foil Sealing Film	50/Re-sealable Bag	50	Y
229133	Foil Sealing Film	100/Re-sealable Bag	100	N

Reagent Reservoirs - Polystyrene



NEW 55mL Reagent Reservoirs

- Reagent reservoirs are designed to assist in repetitive liquid transfer
- White color enhances solution visibility
- Angled design promotes funneling of liquid to maximize retrieval, and works well with multiple-channel pipettes
- **NEW** – 55mL Reagent Reservoirs feature pour spouts on the corners, textured gripping areas on the sides, and a nesting design for easy stacking and storage



50mL Reagent Reservoirs

REAGENT RESERVOIRS - POLYSTYRENE

S, R/D F, NP, USP, PS

Part No.	Product Description	Pack Description	Qty/Case
229290	50mL Reagent Reservoir	1 Individually Wrapped/Bag	80
229291	50mL Reagent Reservoir	5 Bulk Packed/Bag	200
NEW 229296	55mL Reagent Reservoir	1 Individually Wrapped/Bag	80
NEW 229297	55mL Reagent Reservoir	5 Bulk Packed/Bag	200

NEW Reagent Reservoirs - Polypropylene

- Reservoirs are designed to assist in repetitive or robotic liquid transfer
- Pyramid and Trough Bottom designs promote funneling of liquid to maximize reagent recovery by pipette tips
- 229561 & 229562: 8 & 12 well reservoirs work well with multiple-channel pipettes
- Low profile is ideal for small volume robotic tips
- Storage possible at -80°C
- Polypropylene offers a low binding surface to prevent samples from sticking to the side walls during elution, and is chemically inert for combinatorial chemistry applications



REAGENT RESERVOIRS - POLYPROPYLENE

N, R/D F, NP, USP, A, PP

Part No.	Product Description	Pack Description	Qty/Case
229561	Multiple Cavity Reagent Reservoir, 8 Well, Trough Bottom, PP	5/Bag	25
229562	Multiple Cavity Reagent Reservoir, 12 Well, Trough Bottom, PP	5/Bag	25
229563	Single Cavity Reagent Reservoir, 96 Pyramid Bottom, PP	5/Bag	25
229564	Single Cavity Reagent Reservoir, 384 Pyramid Bottom, PP	5/Bag	25

NEW Screw Top Micro Tubes



Product Family Categories:

- Sterile Assemblies (Tube with Green Grip Cap)
- Cap Only (Grip Cap, Opaque Cap, Translucent Cap)
- Tube Only (Conical Bottom & Self-Standing)

- High temperature resistivity range – shatter/crack resistant and ideal for boiling
- Easy $\frac{3}{4}$ turn to open and close
- Sterile Assemblies packed in self-standing re-sealable bags offer a unique storage solution
- Translucent and Opaque Cap O-rings ensure leak-proof seal
- Translucent and Opaque Caps O-rings are a highly visible contrasting color
- Caps are available in various colors for easy identification and color-coding
- Caps are compatible with all CELLTREAT Screw Top Micro Tubes
- Autoclavable



- 1 Grip band tubes feature ribs that provide exceptional gripping surface and lessen movement during centrifugation
- 2 Graduated tubes have markings every 100 μ L for easy volume identification
- 3 Premium Grip Cap features molded TPE sealing rings which ensure O-ring will never slip out of place; striped TPE grips on cap edge enable secure handling under all conditions

SCREW TOP MICRO TUBES - STERILE ASSEMBLIES

S, R/D F, NP, USP, A, PP

Part No.	Product Description	Tube Feature	Cap Feature	Base	Pack Description	Qty/Case
230810	0.5mL Sterile Assemblies	Grip Band	Green Grip Cap	Self-Standing	50/Re-sealable Bag	500
230820	1.5mL Sterile Assemblies	Grip Band	Green Grip Cap	Self-Standing	50/Re-sealable Bag	500
230830	2.0mL Sterile Assemblies	Grip Band	Green Grip Cap	Self-Standing	50/Re-sealable Bag	500

NEW Screw Top Micro Tubes



SCREW TOP MICRO TUBES - TUBE ONLY					N, R/D F, NP, USP, A, PP
Part No.	Product Description	Tube Feature	Base	Pack Description	Qty/Case
230811	0.5mL Tube Only	Grip Band	Self-Standing	500/Re-sealable Bag	1000
230823	1.5mL Tube Only	Graduated	Conical	500/Re-sealable Bag	1000
230821	1.5mL Tube Only	Grip Band	Self-Standing	500/Re-sealable Bag	1000
230833	2.0mL Tube Only	Graduated	Conical	500/Re-sealable Bag	1000
230831	2.0mL Tube Only	Grip Band	Self-Standing	500/Re-sealable Bag	1000

SCREW TOP MICRO TUBES - CAP ONLY

Screw Top Micro Tube Caps are packed 500/Re-sealable Bag, 1000/Case



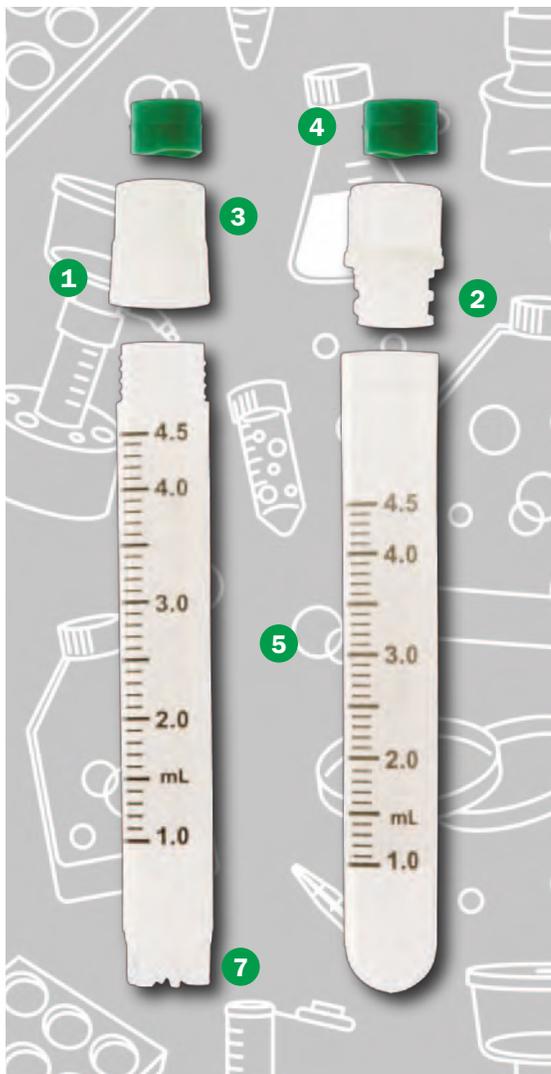
CAP COLOR	Grip Cap	Opaque Cap	Translucent Cap
Assorted	230840A	230841A	230842A
Blue	230840B	230841B	230842B
Clear	230840C	NA	230842C
Green	230840G	230841G	230842G
Orange	230840N	230841N	230842N
Purple	230840P	230841P	230842P
Red	230840R	230841R	230842R
Yellow	230840Y	230841Y	230842Y

NEW Lab Grab Multi-Use Extension Grabber



- Allows hands-free and easy grasping of small items, as well as hot or cold samples
- Large extension radius to pick up small to mid-sized objects including cryogenic vials, screw top micro tubes, micro centrifuge tubes, and cell strainers
- Retraction feature aids in stability and strength of grip
- Textured handle prevents slipping when wearing gloves
- All-metal construction allows autoclaving

LAB GRAB MULTI-USE EXTENSION GRABBER			A
Part No.	Product Description	Pack Description	Qty/Case
230110	Lab Grab Multi-Use Extension Grabber	2/Bag	2



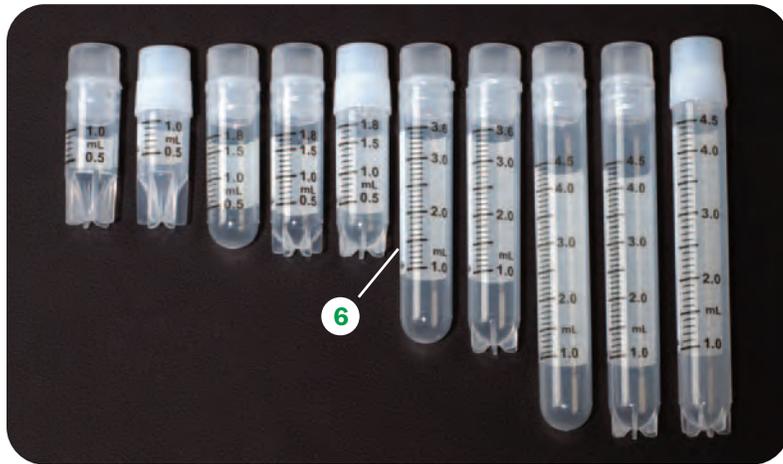
- CELLTREAT Freeze Cryogenic Vials are designed for storing biological material at temperatures as low as -196°C , in the gas phase of liquid nitrogen
- Available in round bottom or self-standing options
- Self-standing re-sealable bags offer a unique storage solution

Accessory items also available

- Easily color-code samples with colored cap inserts (see page 40)
- Easy-Grip Workstation Rack and Storage Boxes available to hold and store CELLTREAT Freeze Cryogenic Vials (see pages 39 - 40)

- 1 External thread cap features integrated leak-proof seal, a long skirt for easy one hand aseptic methods, and a thread design allowing it to be removed or sealed with a mere $1\frac{1}{2}$ turn
- 2 Internal thread cap prevents contamination and uses O-ring silicone seal to ensure positive seal at any temperature
- 3 Caps have textured ridges to improve grip when wearing gloves
- 4 Cap Inserts available in 10 different colors to easily color-code samples
- 5 Contrasting black graduations are large and easy to view
- 6 Large white marking area for writing also provides backdrop to enhance black graduations (see page 39 for details)
- 7 Self-standing bottoms interlock with Easy-Grip Workstation Rack (Part No. 229941) enabling easy one-handed opening

CELLTREAT® Freeze Cryogenic Vials



Packed in unique self-standing, re-sealable bag with 100 Cryogenic Vials per case

CELLTREAT product descriptions are based on the highest graduation mark on the vial. Other brands may name vials based on actual liquid capacity which is listed in the table below.

CELLTREAT FREEZE CRYOGENIC VIALS - INTERNAL THREAD						S, R/D F, NP, USP, A, PP
Part No.	Product Description	Liquid Capacity	Threading	Base	Pack Description	Qty/Case
229913	1mL CF Cryogenic Vial	1.2mL	Internal	Self-Standing	100 Bulk/Re-sealable Bag	100
229914	1.8mL CF Cryogenic Vial	2.0mL	Internal	Round-Bottom	100 Bulk/Re-sealable Bag	100
229915	1.8mL CF Cryogenic Vial	2.0mL	Internal	Self-Standing	100 Bulk/Re-sealable Bag	100
229916	3.6mL CF Cryogenic Vial	4.0mL	Internal	Round-Bottom	100 Bulk/Re-sealable Bag	100
229917	3.6mL CF Cryogenic Vial	4.0mL	Internal	Self-Standing	100 Bulk/Re-sealable Bag	100
229918	4.5mL CF Cryogenic Vial	5.0mL	Internal	Round-Bottom	100 Bulk/Re-sealable Bag	100
229919	4.5mL CF Cryogenic Vial	5.0mL	Internal	Self-Standing	100 Bulk/Re-sealable Bag	100
CELLTREAT FREEZE CRYOGENIC VIALS - EXTERNAL THREAD						S, R/D F, NP, USP, A, PP
229923	1mL CF Cryogenic Vial	1.2mL	External	Self-Standing	100 Bulk/Re-sealable Bag	100
229925	1.8mL CF Cryogenic Vial	2.0mL	External	Self-Standing	100 Bulk/Re-sealable Bag	100
229929	4.5mL CF Cryogenic Vial	5.0mL	External	Self-Standing	100 Bulk/Re-sealable Bag	100

CELLTREAT Freeze Cryogenic Vial Workstation Rack



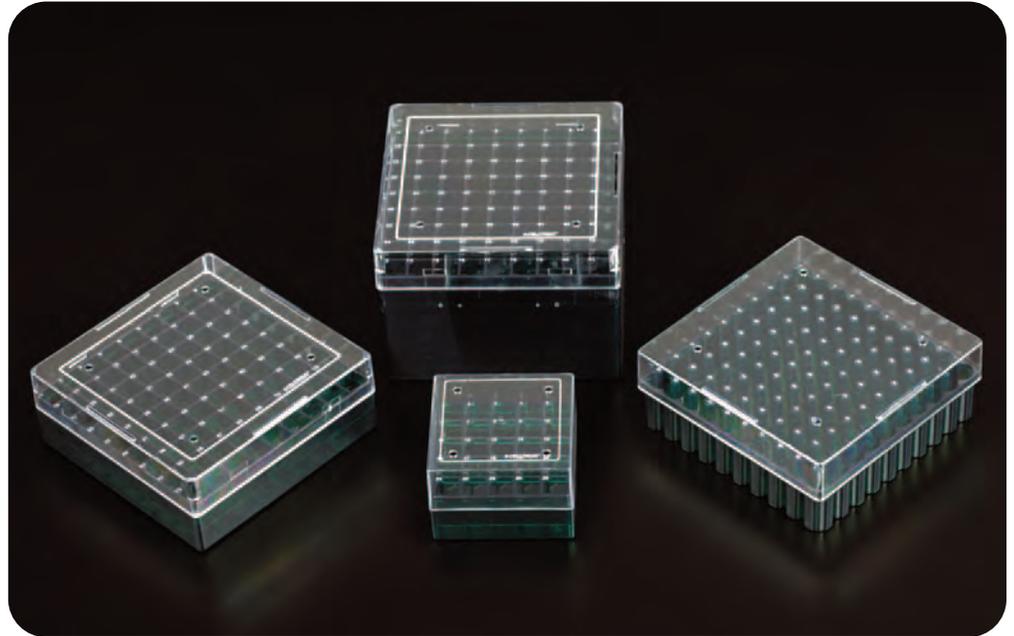
- Individual positions feature ribs which interlock with CELLTREAT Freeze Self Standing Cryogenic Vials for easy one-handed opening
- Features four gripping feet for increased stability and reduced slipping during use
- Low-profile design for maximum storage efficiency
- Labeled with alpha-numeric markings for easy identification of individual positions

CELLTREAT FREEZE CRYOGENIC VIAL WORKSTATION RACK			N, R/D F, NP, USP, A, PP
Part No.	Product Description	Qty/Case	
229941	Easy-Grip Workstation Rack, CF Cryogenic Vial, 40 Place	2/Re-sealable Bag	

CELLTREAT Freeze Cryogenic Vial Storage Boxes



- Durable polycarbonate material designed to withstand a wide temperature range and is a reusable, autoclavable alternative to disposable racks
- Ventilation holes in the lids and bases prevent vacuum sealing in freezer
- Storage Boxes are labeled with numeric markings for easy identification of individual positions
- Safe to use at ultra-low temperatures
- 100 place rack features ridges along the sides to improve handling



CELLTREAT FREEZE CRYOGENIC VIAL STORAGE BOXES			N, R/D F, NP, USP, A, PC
Part No.	Product Description	Compatible With	Qty/Case
229942	Storage Box, CF Cryogenic Vial, 25 Place	Fits 1mL-1.8mL vials	5
229943	Storage Box, CF Cryogenic Vial, 81 Place	Fits 1mL-1.8mL vials	5
229945	Storage Box, Cryogenic Vial, 100 Place	Fits 1mL-1.8mL vials	5
229944	Deep Storage Box, CF Cryogenic Vial, 81 Place	Fits 4.5mL vials	5

CELLTREAT Freeze Cryogenic Vials Cap Inserts



- Easily color-code samples with colored cap inserts
- CELLTREAT Freeze Cap Inserts are compatible with all CELLTREAT Freeze Cryogenic Vials

CELLTREAT FREEZE CRYOGENIC VIALS - CAP INSERTS				N, R/D F, NP, USP, PP
Part No.	Product Description	Color	Pack Description	Qty/Case
229930	Cap Insert for CF Cryogenic Vials	Red	500 Bulk Packed/Re-sealable Bag	500
229931	Cap Insert for CF Cryogenic Vials	Orange	500 Bulk Packed/Re-sealable Bag	500
229932	Cap Insert for CF Cryogenic Vials	Yellow	500 Bulk Packed/Re-sealable Bag	500
229933	Cap Insert for CF Cryogenic Vials	Green	500 Bulk Packed/Re-sealable Bag	500
229934	Cap Insert for CF Cryogenic Vials	Blue	500 Bulk Packed/Re-sealable Bag	500
229935	Cap Insert for CF Cryogenic Vials	Purple	500 Bulk Packed/Re-sealable Bag	500
229936	Cap Insert for CF Cryogenic Vials	Pink	500 Bulk Packed/Re-sealable Bag	500
229937	Cap Insert for CF Cryogenic Vials	Brown	500 Bulk Packed/Re-sealable Bag	500
229938	Cap Insert for CF Cryogenic Vials	Gray	500 Bulk Packed/Re-sealable Bag	500
229939	Cap Insert for CF Cryogenic Vials	White	500 Bulk Packed/Re-sealable Bag	500
229940	Cap Insert for CF Cryogenic Vials	Assorted	500 Bulk Packed/Re-sealable Bag	500

Roller Bottles



- Available in two sizes: 1000mL volume with 490cm² of surface area and 2000mL volume with 850cm² of surface area, treated or non-treated versions
- Expanded Surface Roller Bottles (ESRB) feature horizontal ribs to bathe cells more evenly than bottles with vertical ribs
- Vented or non-vented cap for open or closed systems
- Tissue Culture Treated Roller Bottles have uniform hydrophilic surface ideal for consistent cell attachment

- 1 Large knurled cap for easy grip
- 2 Ribbed surface of ESRB increases surface area from 850cm² to 1900cm²
- 3 Easy-to-read black printed graduations



Part No. 229387 - 1900cm² ESRB, Vent Cap

ROLLER BOTTLES - TISSUE CULTURE TREATED

S, R/D F, NP, USP, PS

Part No.	Product Description	Cap Style	Pack Description	Qty/Case
229382	490cm ² Roller Bottle	Non-Vented	1/Bag	24
229383	490cm ² Roller Bottle	Vented	1/Bag	24
229384	850cm ² Roller Bottle	Non-Vented	1/Bag	12
229385	850cm ² Roller Bottle	Vented	1/Bag	12

ROLLER BOTTLES - TISSUE CULTURE TREATED, EXPANDED SURFACE

S, R/D F, NP, USP, PS

229386	1900cm ² Expanded Surface Roller Bottle	Non-Vented	1/Bag	12
229387	1900cm ² Expanded Surface Roller Bottle	Vented	1/Bag	12

ROLLER BOTTLES - NON-TREATED

S, R/D F, NP, USP, PS

229582	1000mL Roller Bottle	Non-Vented	1/Bag	24
229584	2000mL Roller Bottle	Non-Vented	1/Bag	12

ROLLER BOTTLES - CAP ONLY

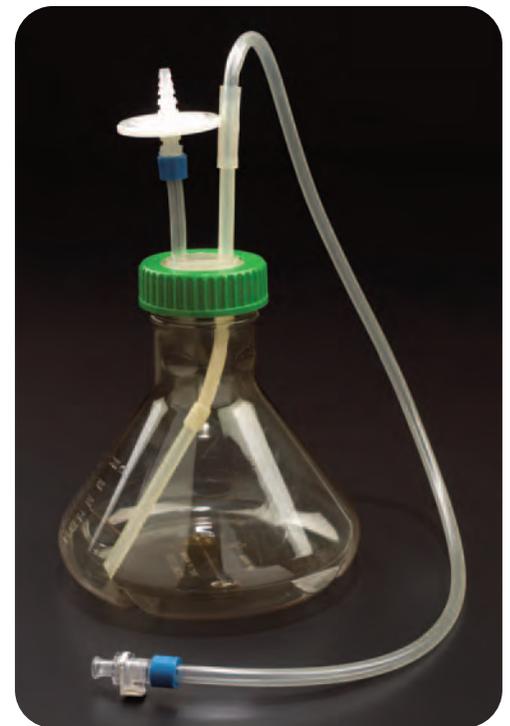
S, R/D F, NP, USP, HDPE

229391	Roller Bottle, Cap Only	Vented	1/Bag	24
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Erlenmeyer & Fernbach Flasks - Polycarbonate



- Designed for mammalian suspension culture applications as well as bacterial & yeast culture
- Conveniently pre-sterilized
- 1 70mm opening for easy filling and dispensing (Erlenmeyer & Fernbach)
- 2 Over-sized vent area in cap for improved gas exchange (Erlenmeyer & Fernbach)
- 3 Fernbach flask shape increases surface area to volume ratio
- 4 Baffled bottom improves mixing and aeration
 - Plain bottom also available



Part No. 229896 - Transfer Assembly

ERLENMEYER & FERNBACH FLASKS

S, NP, USP, A, PC

Part No.	Product Description	Cap Type	Bottom Type	Max. Volume	Pack Description	Qty/Case
229850	2L Erlenmeyer Flask	Vent	Plain	2200mL	1/Bag	6
229855	2L Erlenmeyer Flask	Vent	Baffled	2200mL	1/Bag	6
229860	2L Fernbach Flask	Vent	Plain	2400mL	1/Bag	6
229865	2L Fernbach Flask	Vent	Baffled	2400mL	1/Bag	6
229870	3L Fernbach Flask	Vent	Plain	4000mL	1/Bag	4
229875	3L Fernbach Flask	Vent	Baffled	4000mL	1/Bag	4

ERLENMEYER AND FERNBACH FLASK CAPS

S, R/D F, NP, USP, HDPE

229894	CAP ONLY, 70mm, Erlenmeyer/Fernbach	Solid	NA	NA	1/Bag	24
229895	CAP ONLY, 70mm, Erlenmeyer/Fernbach	Vent	NA	NA	1/Bag	24

TRANSFER ASSEMBLY

S

NEW	229896	Transfer Assembly for 3L Fernbach Flask	NA	NA	NA	1/Bag	1
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Erlenmeyer Flasks - PETG



- Designed for mammalian suspension culture applications as well as bacterial & yeast culture
- Available with either vent or solid cap to prevent common mistakes made with combination caps such as sealing the cap completely and preventing gas exchange
- Vent caps with over-sized vent area feature 0.22µm hydrophobic membrane which allows for improved gas exchange without contamination
- Avoid contamination with single-use, pre-sterilized flasks
- Manufactured from medical grade virgin PETG which reduces gas permeability
- Lightweight material is easier to handle than glass
- Bottles include molded graduation lines
- Individually bagged for easy storage and handling

ERLENMEYER FLASKS - VENT CAP					S, R/D F, NP, PETG	
Part No.	Product Description	Cap Type	Bottom Type	Max. Volume	Pack Description	Qty/ Case
229801	125mL Erlenmeyer Flask	Vent	Plain	125mL	1/Bag	12
229805	250mL Erlenmeyer Flask	Vent	Plain	265mL	1/Bag	12
229809	500mL Erlenmeyer Flask	Vent	Plain	525mL	1/Bag	12
229813	1000mL Erlenmeyer Flask	Vent	Plain	1035mL	1/Bag	6
ERLENMEYER FLASKS - SOLID CAP					S, R/D F, NP, PETG	
229800	125mL Erlenmeyer Flask	Solid	Plain	125mL	1/Bag	12
229804	250mL Erlenmeyer Flask	Solid	Plain	265mL	1/Bag	12
229808	500mL Erlenmeyer Flask	Solid	Plain	525mL	1/Bag	12
229812	1000mL Erlenmeyer Flask	Solid	Plain	1035mL	1/Bag	6

Solution Bottles



- Compatible with bottle top filters or for use as solution storage containers (Bottle Top Filters sold separately, see page 47)

- Solution bottle neck size is 45mm
- Curved bottle design for easy handling



SOLUTION BOTTLES			S, R/D F, NP, USP, PS	
Part No.	Product Description	Working volume	Pack Description	Qty/Case
229781	150mL Solution Bottle	150mL	1/Bag	24
229782	250mL Solution Bottle	250mL	1/Bag	24
229784	500mL Solution Bottle	500mL	1/Bag	24
229785	1000mL Solution Bottle	1000mL	1/Bag	24

500mL Square Media Bottle

- Ideal for media prep and storage of laboratory reagents and biological buffers
- Square design saves valuable shelf space and is ideal for stacking, such as in a refrigerator
- Unique individually bagged packaging allows opening one at a time
- PETG material reduces gas permeability

- Molded graduations on two sides
- Flat surface polyethylene (HDPE) caps are ideal for marking



SQUARE MEDIA BOTTLE			S, R/D F, NP, USP, PETG	
Part No.	Product Description	Working volume	Pack Description	Qty/Case
229788	500mL Media Bottle, Square	500mL	1/Bag	24

NEW Bottle Top Filters - Polypropylene



- Fits on standard GL 45 threaded glass vacuum bottles
- Excellent chemical resistance offered with polypropylene housing as compared to polystyrene
- High temperature range of 4°C to 37°C is suitable for many applications
- Hydrophilic nylon membrane has excellent chemical compatibility with esters, bases and alcohols, and does not require pre-wetting
- Hydrophobic PTFE membrane has excellent temperature resistance and is useful for clarifying aqueous samples as well as strong acid and alkali solvent filtration
- Non-sterile

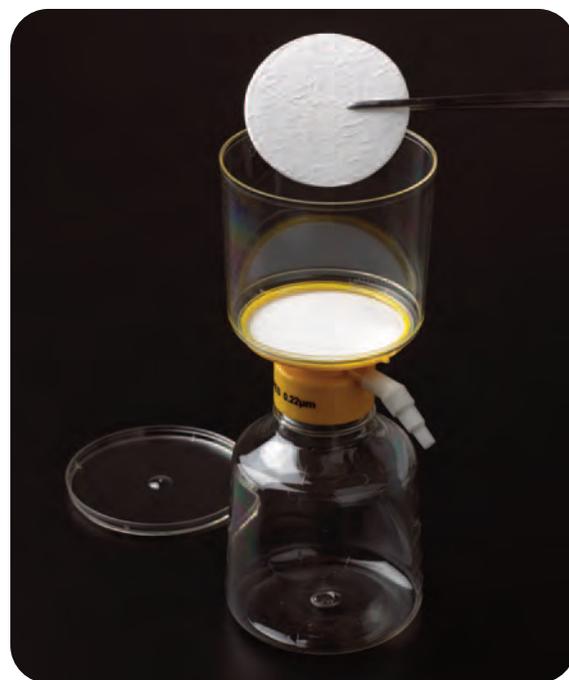
BOTTLE TOP FILTERS - POLYPROPYLENE

N, PP

Part No.	Product Description	Housing Material	Membrane Material	Membrane Diameter	Filter Pore Size	Pack Description	Qty/Case
229725	500mL Bottle Top Filter	Polypropylene	PTFE	90mm	0.45µm	1/Bag	12
229726	1000mL Bottle Top Filter	Polypropylene	PTFE	90mm	0.45µm	1/Bag	12
229735	500mL Bottle Top Filter	Polypropylene	Nylon	90mm	0.45µm	1/Bag	12
229736	1000mL Bottle Top Filter	Polypropylene	Nylon	90mm	0.45µm	1/Bag	12
229737	500mL Bottle Top Filter	Polypropylene	Nylon	90mm	0.20µm	1/Bag	12
229738	1000mL Bottle Top Filter	Polypropylene	Nylon	90mm	0.20µm	1/Bag	12

NEW Glass Fiber Filter Disks

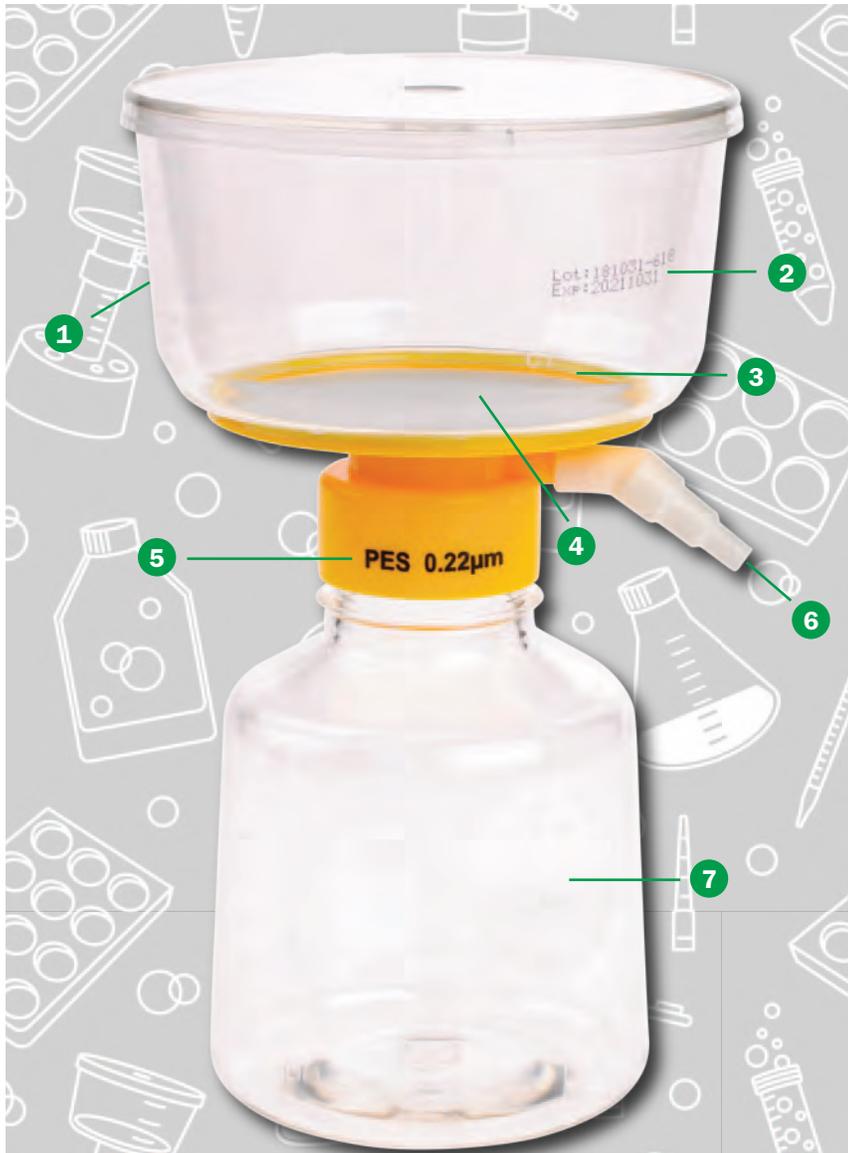
- Glass Fiber Filter Disks are an ideal prefilter to prevent clogging when filtering viscous or particulate-laden solutions with CELLTREAT Scientific Products Filter Systems and Bottle Top Filters (see page 46 - 47)
- Increase filtration speed by removing larger particles prior to sterilizing filtration
- Packaged sterile, individually wrapped



GLASS FIBER FILTER DISKS

S, R/D F, NP, GLASS

Part No.	Product Description	Membrane Diameter	Filter Pore Size	Pack Description	Qty/Case
230730	Glass Fiber Filter Disk, Prefilter, Binder Free	50mm	1.0µm	Individually Wrapped	50
230732	Glass Fiber Filter Disk, Prefilter, Binder Free	70mm	1.0µm	Individually Wrapped	50
230734	Glass Fiber Filter Disk, Prefilter, Binder Free	90mm	1.0µm	Individually Wrapped	50



Part No. 229707 - 500mL Filter System, 0.22µm

Filter Systems

- 1 Easy-to-read molded graduation marks on bottle top filter
- 2 Printed lot number and expiration date on every bottle top
- 3 Improved filter support provides faster flow rates
- 4 ***NEW** - Larger membrane diameter for 250 & 500mL filters increases filtration speed and prevents clogging
 - 0.22µm PES membrane is the first choice for sterile filtration of cell culture media
 - 0.10µm PES membrane ideal for mycoplasma removal
 - 0.45µm PES membrane ideal for solution clarification
- 5 Bold easy-to-read printed membrane and pore size for easy identification
- 6 Angled hose barb adapter fits three size hose diameters and prevents the filter from tipping
- 7 Curved bottle design for easy handling

50mL Centrifuge Tube Filter Systems

- Eliminate a transfer step by filtering directly into a 50mL tube
- One Centrifuge Tube Stand included with each case of 50mL Centrifuge Tube Filter Systems
- Centrifuge Tube Stands are manufactured from polypropylene and are autoclavable, reusable and recyclable
- Centrifuge Tube Stand will hold one 50mL tube, three 15mL tubes and three microcentrifuge tubes (1.5mL)

Multi-purpose Centrifuge Tube Stand available for purchase separately
Part No. 229409



Part No. 229709
50mL Centrifuge Tube Filter System, 0.45µm

Filter Systems & Bottle Top Filters



- Polyethersulfone (PES) membrane is useful for high flow and low binding
- Nylon (PA) membrane has excellent chemical compatibility and does not require pre-wetting
- Filter Systems include bottle top filter and solution bottle with cap
- Bottle top filters fit on CELLTREAT® solution bottles or other standard 45mm threaded solution storage bottles
- Bottle top filters do not include solution bottles (Solution bottles sold separately, see page 44)
- Centrifuge Tube Filter Systems include tube filter, centrifuge tube, cap and multi-purpose stand



FILTER SYSTEMS

S, R/D F, NP, USP, PS

Part No.	Product Description	Membrane Material	Membrane Diameter	Filter Pore Size	Pack Description	Qty/Case
229701	150mL Filter System	PES	50mm	0.45µm	1/Bag	12
229702	250mL Filter System	PES	75mm*	0.45µm	1/Bag	12
229703	500mL Filter System	PES	90mm*	0.45µm	1/Bag	12
229704	1000mL Filter System	PES	90mm	0.45µm	1/Bag	12
229705	150mL Filter System	PES	50mm	0.22µm	1/Bag	12
229706	250mL Filter System	PES	75mm*	0.22µm	1/Bag	12
229707	500mL Filter System	PES	90mm*	0.22µm	1/Bag	12
229708	1000mL Filter System	PES	90mm	0.22µm	1/Bag	12
229721	150mL Filter System	PES	50mm	0.10µm	1/Bag	12
229722	250mL Filter System	PES	75mm*	0.10µm	1/Bag	12
229723	500mL Filter System	PES	90mm*	0.10µm	1/Bag	12
229724	1000mL Filter System	PES	90mm	0.10µm	1/Bag	12

BOTTLE TOP FILTERS

S, R/D F, NP, USP, PS

229711	150mL Bottle Top	PES	50mm	0.45µm	1/Bag	24
229712	250mL Bottle Top	PES	75mm*	0.45µm	1/Bag	24
229713	500mL Bottle Top	PES	90mm*	0.45µm	1/Bag	24
229714	1000mL Bottle Top	PES	90mm	0.45µm	1/Bag	24
229715	150mL Bottle Top	PES	50mm	0.22µm	1/Bag	24
229716	250mL Bottle Top	PES	75mm*	0.22µm	1/Bag	24
229717	500mL Bottle Top	PES	90mm*	0.22µm	1/Bag	24
229718	1000mL Bottle Top	PES	90mm	0.22µm	1/Bag	24
229732	250mL Bottle Top	Nylon (PA)	75mm*	0.45µm	1/Bag	24
229733	500mL Bottle Top	Nylon (PA)	90mm*	0.45µm	1/Bag	24

CENTRIFUGE TUBE FILTER SYSTEMS

S, R/D F, NP, USP, PS

229709	50mL Centrifuge Tube Filter	PES	50mm	0.45µm	1/Bag	12
229710	50mL Centrifuge Tube Filter	PES	50mm	0.22µm	1/Bag	12
229409	Multi-Purpose Stand	NA	NA	N/A	5/Bag	5

Syringe Filters



SYRINGE FILTERS							S, R/D F, NP, USP, PP
Part No.	Membrane Material	Membrane Pore Size	Membrane Diameter	Sterile	Packaging	Qty/Case	
229739	PES	0.10µm	30mm	Y	Individual	30	
229746	PES	0.22µm	13mm	Y	Individual	75	
229747	PES	0.22µm	30mm	Y	Individual	30	
229748	PES	0.45µm	13mm	Y	Individual	75	
229749	PES	0.45µm	30mm	Y	Individual	30	
229771	PES	0.45µm	30mm	N	Bulk	100	
229740	PVDF	0.10µm	13mm	Y	Individual	75	
229741	PVDF	0.10µm	30mm	Y	Individual	30	
229742	PVDF	0.22µm	13mm	Y	Individual	75	
229743	PVDF	0.22µm	30mm	Y	Individual	30	
229744	PVDF	0.45µm	13mm	Y	Individual	75	
229745	PVDF	0.45µm	30mm	Y	Individual	30	
229774	PVDF	0.45µm	30mm	N	Bulk	100	
229760	Nylon	0.22µm	13mm	Y	Individual	75	
229761	Nylon	0.22µm	30mm	Y	Individual	30	
229754	Nylon	0.45µm	13mm	Y	Individual	75	
229755	Nylon	0.45µm	30mm	Y	Individual	30	
229775	Nylon	0.22µm	30mm	N	Bulk	100	
229776	Nylon	0.45µm	30mm	N	Bulk	100	
229756	PTFE	0.22µm	13mm	Y	Individual	75	
229757	PTFE	0.22µm	30mm	Y	Individual	30	
229758	PTFE	0.45µm	13mm	Y	Individual	75	
229759	PTFE	0.45µm	30mm	Y	Individual	30	
229777	PTFE	0.22µm	13mm	N	Bulk	100	
229778	PTFE	0.22µm	30mm	N	Bulk	100	
229779	PTFE	0.45µm	13mm	N	Bulk	100	
229780	PTFE	0.45µm	30mm	N	Bulk	100	
229750	MCE	0.22µm	13mm	Y	Individual	75	
229751	MCE	0.22µm	30mm	Y	Individual	30	
229752	MCE	0.45µm	13mm	Y	Individual	75	
229753	MCE	0.45µm	30mm	Y	Individual	30	
229768	Glass Fiber (GF)	1.1µm	30mm	Y	Individual	30	
229762	CA	0.22µm	30mm	Y	Individual	30	
229763	CA	0.45µm	30mm	Y	Individual	30	
229764	CA	0.80µm	30mm	Y	Individual	30	
229769	CA w/ GF Prefilter	0.22µm	30mm	Y	Individual	30	
229765	SFCA	0.22µm	30mm	Y	Individual	30	
229766	SFCA	0.45µm	30mm	Y	Individual	30	

Syringe Filters



MOST POPULAR!
PES (Polyethersulfone) - Low affinity for proteins and extractables

- Faster flow rate than PVDF
- Pre-filtration and filtration of buffers and culture media
- Available in three pore sizes including 0.10µm for mycoplasma removal



PVDF (Polyvinylidene fluoride) - Low protein-binding for filtration of non-aggressive aqueous and mild organic solutions

- Maximizes protein recovery
- High temperature filtration



NYLON - Universal application for analytical procedures

- Chemical filtration
- Beverage filtration



PTFE (Polytetrafluorethylene) - Hydrophobic membrane has great temperature resistance

- Degassing/clarifying aqueous samples
- Strong acid solvent filtration
- Alkali solvent filtration



MCE (Mixed Cellulose Ester) - Filtration of aqueous solutions

- Effectively binds trace proteins
- Oil particulates and bacteria filtration



GF (Glass Fiber) - Can be used as preliminary filtering step to avoid clogging

- Coarse particulate removal
- Pre-filtration



CA (Cellulose Acetate) - Low protein binding, reduced extractables and low hold-up volume

- Filtration of aqueous solutions such as buffers, media and reagents



SFCA (Surfactant Free Cellulose Acetate) - Similar uses to CA but contains no pre-wetting agents; Lower extractables

COLOR CODED FOR EASY IDENTIFICATION!

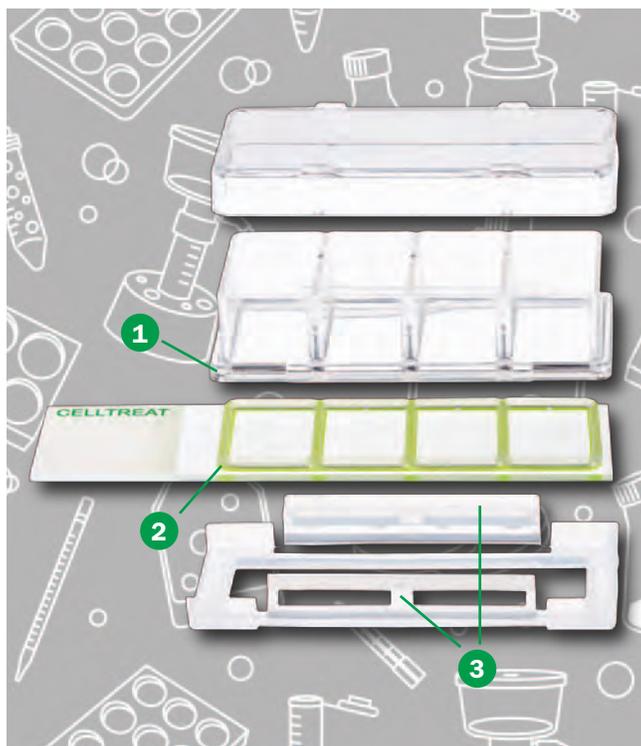
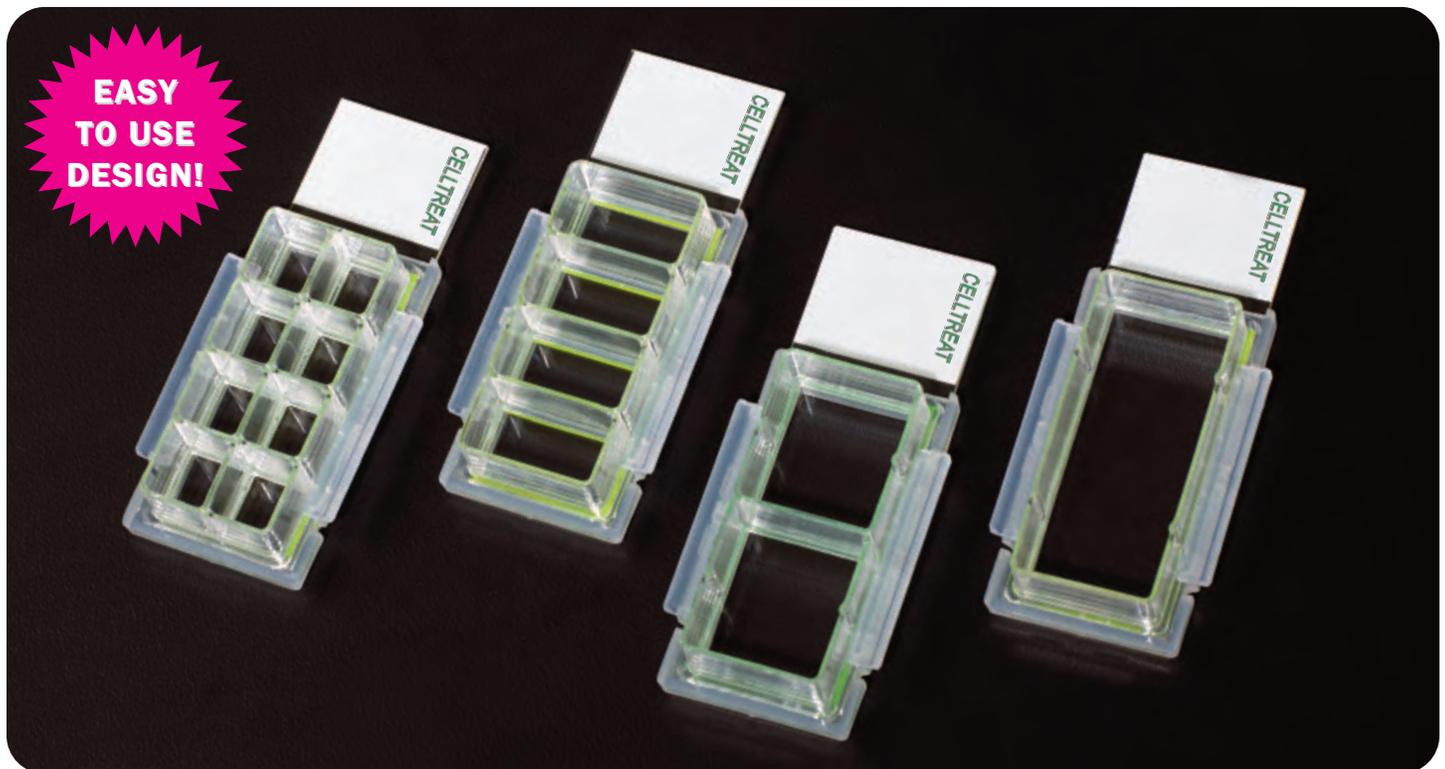
1 NEW - Membrane material and pore size printed on the syringe filter, opposite the luer-lock

2 Female luer-lock inlet and male luer slip outlet

3 0.22µm CA Syringe Filter with integrated GF prefilter (PN 229769) is ideal for one-step filtration of viscous solutions and particulate removal

4 Filters are molded into the polypropylene housings, providing a reliable seal without the use of adhesives

Chambered Cell Culture Slides



- Grow cells directly on the slide without any need for future transfer; ideal for growing and viewing cells under a microscope on standard 25mm x 75mm slide
- Uniform hydrophilic surface ideal for consistent cell attachment
- Slides are labeled with numeric markings
- Packing trays can be used as incubation racks in CO₂ incubators
- Adhesive free

- 1 Integrated gasket prevents cross-contamination between chambers
- 2 Inert hydrophobic green border printed on slide to define cell culture area
- 3 Chamber holder features easy flip locks for assembly/disassembly; no separation tool required

CHAMBERED CELL CULTURE SLIDES			S, R/D F, NP, USP, PS, PP, GLS
Part No.	Product Description	Pack Description	Qty/Case
229161	1 Chamber Cell Culture Slide, Glass	6/Tray with 2 Trays/Box	12
229162	2 Chamber Cell Culture Slide, Glass	6/Tray with 2 Trays/Box	12
229164	4 Chamber Cell Culture Slide, Glass	6/Tray with 2 Trays/Box	12
229168	8 Chamber Cell Culture Slide, Glass	6/Tray with 2 Trays/Box	12

Product Certification & Material Indicator Symbols

For information about product sterility, material type and other features, please consult the reference table below and product tables on each page.

Product Certification and Material Indicator Symbols located in the black heading bar of each product table are included as a quick reference for ordering. Complete product and lot specific quality certificates are available through the CELLTREAT website (www.celltreat.com).

Please refer to the chart on the right for the product specifications, primary materials and their indicator symbols.

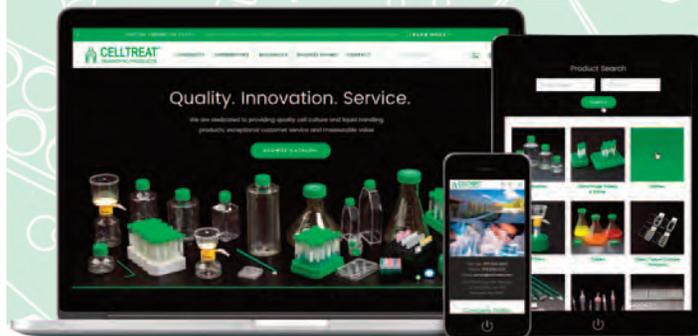
* Limit varies by product. Please contact CELLTREAT for specific limits.

** Polypropylene Centrifuge Tubes are autoclavable. HDPE caps may be autoclaved at lower temperatures but should be inspected prior to use.

Symbol	Product Certification Indicator
S	Product is Sterile
N	Product is Non-sterile
R/D F	RNase/DNase Free
NP	Non-pyrogenic: Validated to have less than 0.1 to 0.5 EU/mL*
USP	Meets USP Class VI Certification Standards
A	Autoclavable**
Symbol	Product Material Indicator
ABS	Acrylonitrile butadiene styrene
GLASS	Optical grade glass
HDPE	High Density Polyethylene
PC	Polycarbonate
PETG	Polyethylene terephthalate, glycol modified
PP	Polypropylene
PS	Polystyrene
TPE	Thermoplastic elastomers

www.celltreat.com

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Samples

Need to request a sample?

Simply send an email to samples@celltreat.com or complete the online sample request form at www.celltreat.com/request-forms/#sample-rquest, include your name and complete address along with the part number of the product you are requesting. You will receive an email with tracking information after it has shipped.

It's that easy!





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SCIENTIFIC PRODUCTS
www.celltreat.com

CELLTREAT Scientific Products
20 Mill Street, Unit 130
Pepperell, MA 01463

Toll Free: 877.345.4620
Fax: 978.650.1316
Email: service@celltreat.com

