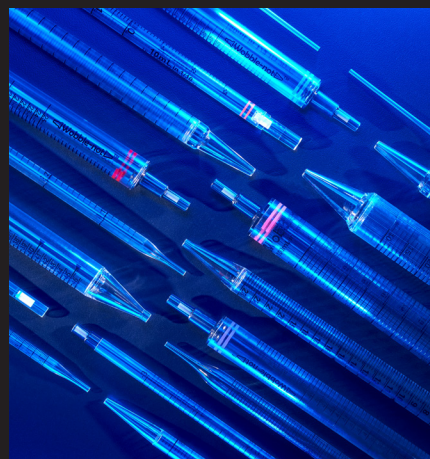


 **CELLTREAT**<sup>®</sup>  
SCIENTIFIC PRODUCTS  
[www.celltreat.com](http://www.celltreat.com)

**VistaLab**<sup>™</sup>  
TECHNOLOGIES  
A subsidiary of CELLTREAT<sup>®</sup> Scientific Products



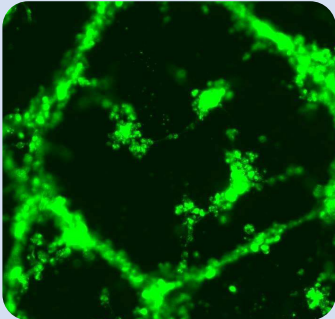
## TREAT YOUR CELLS



Trust our oath to fuel your cell growth



Products designed to save you time



Request a free sample to experience yourself!



- ✓ Work faster and easier with ergonomically designed products
- ✓ Improved products and packaging designs



- ✓ Consistent performance and high quality ensure our products exceed your standards

## TREAT YOUR SHELF



Save on supplies no matter your size



At your door when you need more



- ✓ Maximize your savings with CELLTREAT's lower list pricing
- ✓ Stack your savings with free cases when you redeem CELLTREAT promotions



- ✓ Superior service with higher inventory levels
- ✓ Quick and reliable turnaround times
- ✓ Extensive shipping knowledge

# TREAT YOURSELF



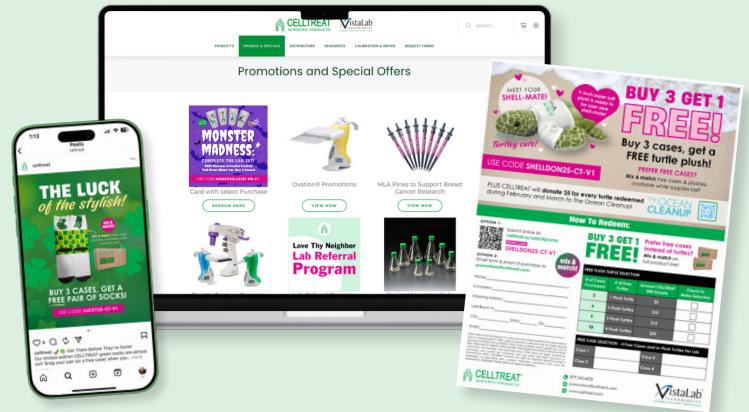
Buy with ease from whom you please

- ✓ Extensive distributor network provides numerous choices for ordering products
- ✓ No matter where you're located, our large distribution network has you covered



Your lab gets more, what a score!

- ✓ Expect the unexpected; feel delighted by choosing CELLTREAT
- ✓ Reward yourself with free cases, product samples, and bonus items



## Customer Appreciation Gifts & Promotional Items

Add a little fun to your lab with our exciting promotions.

**CELLTREAT**<sup>®</sup>

# About Us



A subsidiary of CELLTREAT Scientific Products



CELLTREAT Scientific Products designs and manufactures high-quality plastic lab consumables, including pipets, centrifuge tubes, reagent reservoirs, pipette tips, filters, and cell culture products. CELLTREAT products deliver consistency, reliability, and reproducibility to support accurate experimental results across a wide range of applications.

VistaLab Technologies, a subsidiary of CELLTREAT, is known for its long history of innovative and ergonomic designs, including pipette controllers, serological pipets, reservoirs, and pipette tips.

CELLTREAT's capabilities are further strengthened with the integration of VistaLab Molding, utilizing domestic injection molding for faster delivery times and improved product quality for customers.

## Visit Us Online & Save Time

We make it easy for you to access all of the information you need in one central location:

- Expanded resources and product information, simply enter part numbers in the search field
- Request a Quality Certificate (COC/COA) or use the **NEW** self-service lookup tool
- Equipment calibration service
- Request product samples
- Current CELLTREAT news and promotions
- Distributor listing



[www.celltreat.com](http://www.celltreat.com)



@celltreat

## CELLTREAT Unique & Exclusive Products

Look for these symbols throughout the catalog:



CELLTREAT has many products and features that are unique or exclusive to CELLTREAT Scientific Products and VistaLab Technologies.



CELLTREAT is dedicated to continuous improvement in sustainability. We collaborate with researchers, institutions, and suppliers to develop solutions that balance scientific excellence with environmental responsibility.



### VistaPoint Program

Items with this symbol denote VistaPoint eligible products.



Exclusive CELLTREAT and VistaLab ergonomic products.

# Table Of Contents



PAGE  
**06**

ali-Q® Pipet Controllers .....	06
Serological Pipets .....	10
Aspirating Pipets .....	22
Cell Scrapers .....	23
Cell Culture Flasks .....	24
Cryogenic Vials & Accessories .....	28
Culture & Bio-Reaction Tubes .....	32
Erlenmeyer & Fernbach Flasks .....	34
Square Media Bottles .....	36
Filtration .....	38
Measurement & Storage .....	44
Cell Culture & Petri Dishes .....	46
Cell Strainers .....	50
Cell Lifters .....	52
Multiple Well Plates & Permeable Cell Culture Inserts .....	53
Roller Bottles .....	57
Glass Bottom Cell Culture .....	58
Sealing Films .....	60
Deep Well Storage Plates .....	61
FlyTreat™ Drosophila Vials, Bottles & Plugs .....	62
PCR Plates, Strips & Tubes .....	64
Reagent Reservoirs .....	66
Ovation® Pipettes .....	69
MLA™ and Ovation® Pipette Tips .....	72
MLA™ Pipettes .....	75
Universal Pipette Tips .....	78
LfTS Ovation® Pipettes & Pipette Tips .....	82
Centrifuge Tubes & Bottles .....	84
Micro Centrifuge Tubes .....	95



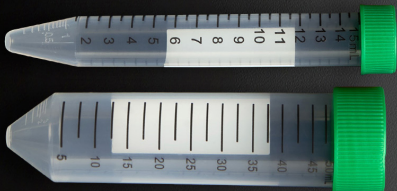
PAGE  
**24**



PAGE  
**38**



PAGE  
**66**



PAGE  
**84**

**NEW**

# ali-Q<sup>®</sup> Edge

NEW digital display allows for exact volume selection

**Precision. Performance. Power.**

LED indicators light up and respond dynamically when aliquoting

Easily toggle between standard and aliquoting dispense modes

Enter precise aliquot dispense volumes and see battery life at a glance



**Life-size Image!**  
Part No. 2300-3005 shown

- 1 Gray button draws up liquid and green button dispenses and aliquots
- 2 Universal nosepiece accepts **any** size serological pipet
- 3 Removable kickstand
- 4 Lithium-ion battery lasts a full 8 hour workday and charges with included USB-C cable
- 5 Self-standing design



Every VistaLab Pipette Tip and equipment purchase earns VistaPoints, learn more on page 102

No more watching the lines on serological pipets!





**Perform equal, precise dispenses, every time!**  
New efficient, compact design

### ALI-Q® EDGE PIPET CONTROLLER

Part No.	Product Description	Qty/Case
<b>2300-3005</b>	ali-Q® Edge, 0.5 - 5.0mL Aliquots	1
9020-9005	Power Supply with USB-C, Replacement	1
9030-4001	Lithium-Ion Battery, Replacement	1
9020-4008	Silicone Nozzle Insert, Replacement	2
9020-4004	Filter Replacement, 0.22µm Sterile	5

\*Full list of Maintenance Parts available online



**Fits in your  
lab coat  
pocket!**



*Aliquoting speed and accuracy  
with just the push of a button*

- Ergonomic, lightweight and easy to handle
- ali-Q® Edge operates as both a standard and repeating pipet controller — two units in one!
- ali-Q® Edge works best with Wobble-not™ Pipets, but aliquot function works with any manufacturer's serological pipets



*Wobble-not™ Serological Pipets are a perfect match!  
Part No. 5090-0025 shown, see page 13*

# ali-Q<sup>®</sup> 2 Aliquoting Pipet Controllers



**Compatible with any Serological Pipette!**



Every VistaLab Pipette Tip and equipment purchase earns VistaPoints, learn more on page 102.



Part No. 2100-1010



All ali-Q<sup>®</sup> 2 units are designed with a purple aliquot button, simply press and hold for equal dispenses



All ali-Q<sup>®</sup> 2 units feature the aliquot volume selection dial



The ali-Q<sup>®</sup> 2 VS models additionally feature a speed adjustment dial

## ALI-Q<sup>®</sup> 2 SELECTION GUIDE



Product Description	ali-Q <sup>®</sup> 2 VS 5mL (Variable Speed)	ali-Q <sup>®</sup> 2 VS 10mL (Variable Speed)	ali-Q <sup>®</sup> 2 LS (Low Speed)
Part No.	2100-1005	2100-1010	2100-0003
Aliquot Volume Range	0.5 - 5.0mL	1.0 - 10.0mL	0.3 - 3.0mL
Speed Control	Yes	Yes	No
Speed	Adjustable Dial	Adjustable Dial	Fixed Low

- Previous generation of ali-Q<sup>®</sup> available online
- All Maintenance Parts are available online

# Pipet Controller — Standard

- Time proven traditional design
- Rechargeable unit provides up to 8 hours of use

- 1 Adjustable switch for powered or gravimetric speed setting
- 2 Attached kickstand prevents contact with surfaces when resting the Pipet Controller
- 3 Low pressure fingertip control buttons
- 4 Easy fit nosepiece accepts pipet sizes from 1 to 100mL

**NEW ali-Q® Edge** is similar in size to traditional controllers but has digital display and additional features (see page 6)



## PIPET CONTROLLER — STANDARD

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

# Pipet Controller — Manual



- Lightweight manual pipet controller does not require batteries
- Compatible with 1 to 100mL Serological Pipets
- Economical backup option for Standard Pipet Controller

## PIPET CONTROLLER — MANUAL

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 or magnetically attach to the metal sides of lab cabinets and appliances
- Angled shelves provide secure yet easy access to pipets
- Pipet sizes, colors and types can be viewed from the side windows and front
- Side bracket can hold pipet controllers, bulbs and pumps
- Strong magnets are included on both sides for increased versatility



## PIPET STORAGE RACK

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

# Pipet Selection Guide

1mL Serological Pipet

2mL Serological Pipet

5mL Serological Pipet

10mL Serological Pipet

10mL Wide Tip Serological Pipet

25mL Serological Pipet

50mL Serological Pipet

100mL Serological Pipet

## STANDARD SEROLOGICAL PIPETS

All Serological Pipets are packaged sterile and manufactured to the ASTM Standard Specification for Serological Pipets E-934; accuracy is  $\pm 2\%$

CELLTREAT and VistaLab brand Serological Pipets are available in a wide range of sizes from 1-100mL, with a variety of unique packaging options including:

- individually wrapped paper/plastic
- individually wrapped plastic/plastic
- bulk packed
- dispenser carton

Please refer to pages 14-18 for additional information on pipet options



**Wobble-not™ Serological Pipets** have a patented, innovative **2-tier step design at the plug end!** (see pages 12-13)

Premium polymer fiber barrier plug outperforms cotton plugs



### SHORT SEROLOGICAL PIPET — PAGES 13 & 18

- Compact design provides ergonomic benefit and reduces storage space

### OPEN END PIPETS — PAGE 18

- Wide, open end is ideal for slurries, gels, viscous and high particulate solutions

### BACTERIOLOGICAL/MILK PIPETS — PAGE 18

- Used primarily in the examination of dairy products, milk or bacteria

### ASPIRATING PIPETS — PAGE 22

- Ideal for aspiration of media and sample waste removal

### PLASTEUR® PIPETS — PAGES 20-21

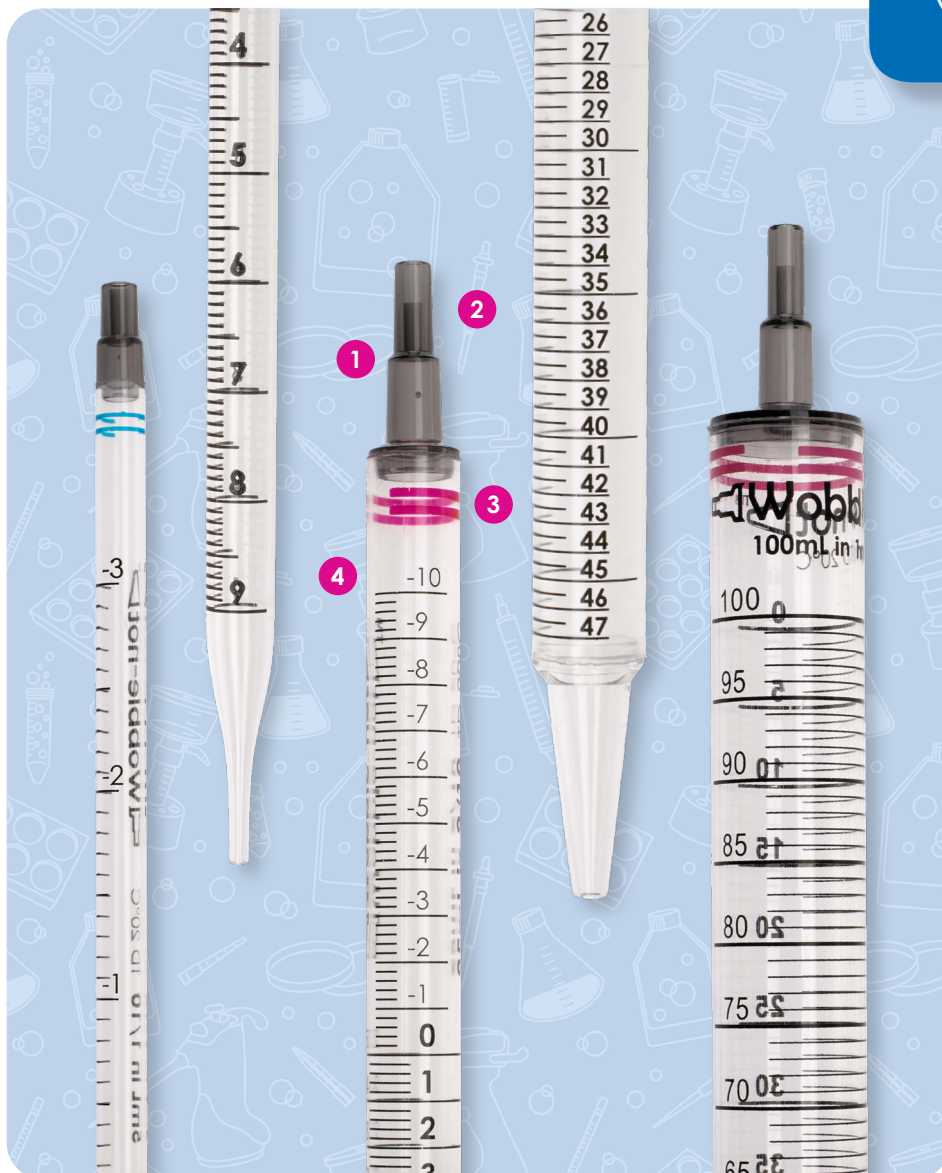
- Offers the aspirating precision of a glass pipet and the safety benefits of plastic



# Serological Pipets — Wobble-not™



Patented, innovative 2-tier step design at the plug end!



Compatible with any pipet controller!



- 1 Two-tier step design increases stability  
**No Wobble. No Drip.**
- 2 Premium polymer fiber barrier plug
- 3 Color-coded stripes for quick volume identification
- 4 CELLTREAT branded 25 & 50mL pipets feature negative graduations to -10mL

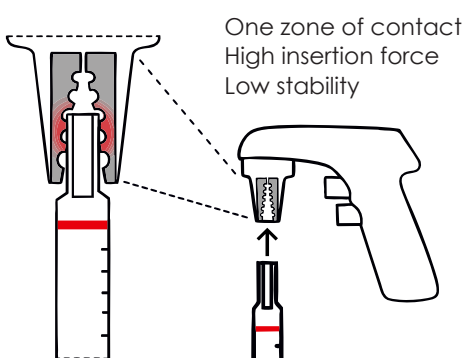
**Wobble-not™ Serological Pipets are available in both CELLTREAT and VistaLab brand packaging to make it easier for customers around the world to have access to this differentiated product.**

## CELLTREAT WOBBLE-NOT™ — INDIVIDUALLY WRAPPED (PAPER/PLASTIC) IN BAGS AF, S, R/D F, NP, USP, PS

Part No.	Product Description	Negative Graduations	Pack Description	Qty/Case
229091B	5mL Wobble-not™ Serological Pipet	-3mL	50 Individually Wrapped/Bag	200
229092B	10mL Wobble-not™ Serological Pipet	-3mL	50 Individually Wrapped/Bag	200
229093B	25mL Wobble-not™ Serological Pipet	-10mL	25 Individually Wrapped/Bag	200
229094B	50mL Wobble-not™ Serological Pipet	-10mL	25 Individually Wrapped/Bag	100
229095B	100mL Wobble-not™ Serological Pipet	NA	10 Individually Wrapped/Bag	50

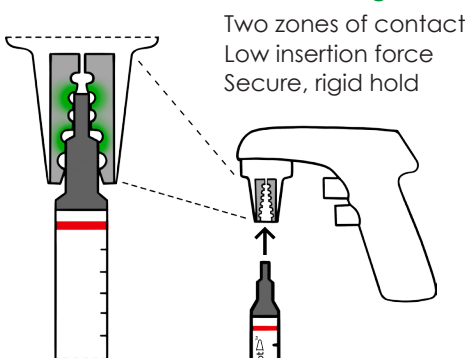
## WHY IT WORKS

### Standard Serological Pipet



### Wobble-not™

#### No Jamming!



**Wobble-not™**  
No Wobble. No Drip.

## Serological Pipets Reimagined!

Your Serological Pipet just graduated to the next level

- Wobble-not™ Serological Pipets require less insertion force due to the patented, innovative 2-tier step design
- Wobble-not™ is the only Serological Pipet that will give you two zones of contact in your pipet controller's nozzle, to increase stability and reduce dripping
- Ultra-clear markings and color-coded stripes for quick volume identification
- Accuracy  $\pm 2\%$  at full volume

Ideal liquid handling partner when paired with an ali-Q® Pipet Controller, see page 6



### VISTALAB WOBBLE-NOT™ — INDIVIDUALLY WRAPPED (PAPER/PLASTIC) IN BAGS AF, S, R/D F, NP, USP, PS

Part No.	Product Description	Negative Graduations	Pack Description	Qty/Case
4090-0005	5mL Wobble-not™ Serological Pipet	-3mL	50 Individually Wrapped/Bag	200
4090-0010	10mL Wobble-not™ Serological Pipet	-3mL	50 Individually Wrapped/Bag	200
4090-0025	25mL Wobble-not™ Serological Pipet	-8mL	25 Individually Wrapped/Bag	200
4090-0050	50mL Wobble-not™ Serological Pipet	-8mL	25 Individually Wrapped/Bag	100
4090-0100	100mL Wobble-not™ Serological Pipet	NA	10 Individually Wrapped/Bag	50

### VISTALAB WOBBLE-NOT™ — INDIVIDUALLY WRAPPED (PLASTIC/PLASTIC) IN BAGS AF, S, R/D F, NP, USP, PS

4190-0005	5mL Wobble-not™ Serological Pipet	-3mL	50 Individually Wrapped/Bag	200
4190-0010	10mL Wobble-not™ Serological Pipet	-3mL	50 Individually Wrapped/Bag	200
4190-0025	25mL Wobble-not™ Serological Pipet	-8mL	25 Individually Wrapped/Bag	200
4190-0050	50mL Wobble-not™ Serological Pipet	-8mL	25 Individually Wrapped/Bag	100
4190-0100	100mL Wobble-not™ Serological Pipet	NA	10 Individually Wrapped/Bag	50

### VISTALAB WOBBLE-NOT™ — BULK PACKED IN BAGS AF, S, R/D F, NP, USP, PS

4290-0005	5mL Wobble-not™ Serological Pipet	-3mL	25 Bulk Packed/Bag	500
4290-0010	10mL Wobble-not™ Serological Pipet	-3mL	25 Bulk Packed/Bag	400
4290-0025	25mL Wobble-not™ Serological Pipet	-8mL	10 Bulk Packed/Bag	150
4290-0050	50mL Wobble-not™ Serological Pipet	-8mL	10 Bulk Packed/Bag	100
4290-0100	100mL Wobble-not™ Serological Pipet	NA	10 Bulk Packed/Bag	60

### VISTALAB SHORTY WOBBLE-NOT™ — INDIV. WRAPPED (PAPER/PLASTIC) IN BAGS AF, S, R/D F, NP, USP, PS

5090-0010	10mL Wobble-not™ Serological Pipet, Short	-10mL	25 Individually Wrapped/Bag	200
5090-0025	25mL Wobble-not™ Serological Pipet, Short	-10mL	25 Individually Wrapped/Bag	100

# Serological Pipets — Best Value



Easily peel open or pop pipets from paper/plastic wrappers



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

Part No.	Product Description	Negative Graduations	Pack Description	Qty/Case
229001B	1mL Serological Pipet	-0.3mL	100 Individually Wrapped/Bag	500
229002B	2mL Serological Pipet	-0.5mL	100 Individually Wrapped/Bag	500
229005B	5mL Serological Pipet	-3mL	50 Individually Wrapped/Bag	200
229006B	5mL Serological Pipet	-3mL	50 Individually Wrapped/Bag	<b>400</b>
<b>MOST POPULAR</b> 229010B	10mL Serological Pipet	-3mL	50 Individually Wrapped/Bag	200
229011B	10mL Serological Pipet	-3mL	50 Individually Wrapped/Bag	<b>400</b>
229212B	10mL Serological Pipet, Wide Tip	-3mL	50 Individually Wrapped/Bag	200
229025B	25mL Serological Pipet	-10mL	50 Individually Wrapped/Bag	200
229026B	25mL Serological Pipet	-10mL	50 Individually Wrapped/Bag	<b>400</b>
229030B	50mL Serological Pipet	-10mL	25 Individually Wrapped/Bag	100
229031B	50mL Serological Pipet	-10mL	25 Individually Wrapped/Bag	<b>200</b>
229220B	100mL Serological Pipet	NA	10 Individually Wrapped/Bag	50

## SEROLOGICAL PIPETS — BULK PACKED IN BAGS AF, S, R/D F, NP, USP, PS

229231	1mL Serological Pipet	-0.3mL	25 Bulk Packed/Re-sealable Bag	1000
229232	2mL Serological Pipet	-0.5mL	25 Bulk Packed/Re-sealable Bag	800
229235	5mL Serological Pipet	-3mL	25 Bulk Packed/Re-sealable Bag	500
229240	10mL Serological Pipet	-3mL	25 Bulk Packed/Re-sealable Bag	500
229245	25mL Serological Pipet	-10mL	25 Bulk Packed/Re-sealable Bag	200
229250	50mL Serological Pipet	-10mL	25 Bulk Packed/Re-sealable Bag	200



1, 2, 5 & 10mL Serological Pipets

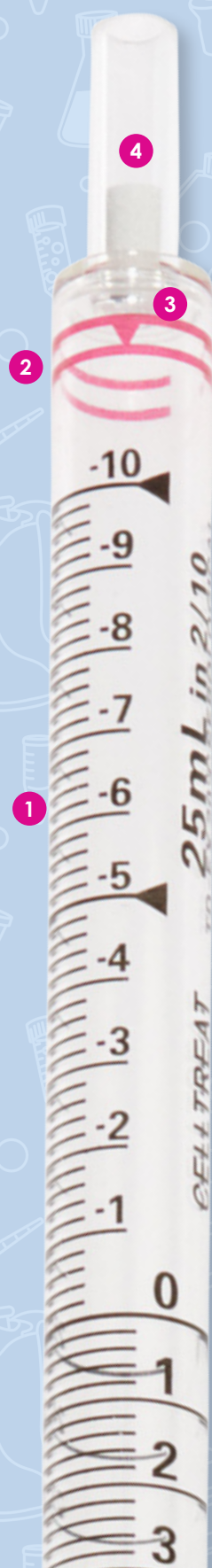


Part No. 229212B

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



# Serological Pipets — Plastic/Plastic Wrappers



Plastic/plastic wrappers are easy to peel open and are the ideal choice for cleanrooms



- Peel-to-open plastic/plastic wrappers are the ideal option for eliminating particulate; proven benefit over traditional paper/plastic wrapper
- The all-plastic wrapper can be wiped with alcohol without smearing ink or penetrating wrapper
- Wrappers have reduced static cling compared to other brands of plastic wrap pipets
- All pipets have the same great features as standard pipets (see pages 14-15)
- Plastic/plastic wrapper also available for 2mL Aspirating Pipet

## CELLTREAT SEROLOGICAL PIPETS — PLASTIC/PLASTIC WRAP

AF, 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
229220A	100mL Serological Pipet	10 Individually Wrapped/Bag	50

## VISTALAB WOBBLE-NOT™ — PLASTIC/PLASTIC WRAP

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

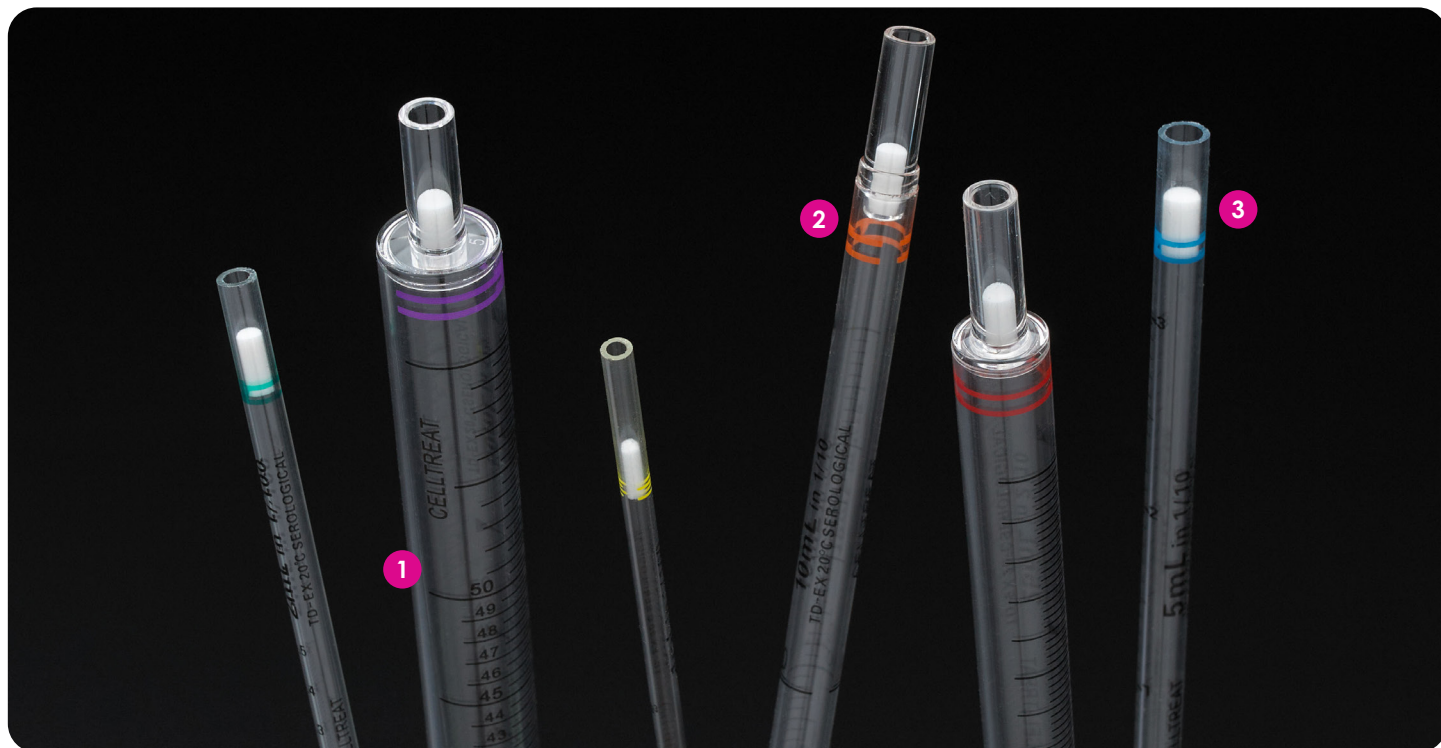
4190-0005	5mL Wobble-not™ Serological Pipet	50 Individually Wrapped/Bag	200
4190-0010	10mL Wobble-not™ Serological Pipet	50 Individually Wrapped/Bag	200
4190-0025	25mL Wobble-not™ Serological Pipet	25 Individually Wrapped/Bag	200
4190-0050	50mL Wobble-not™ Serological Pipet	25 Individually Wrapped/Bag	100
4190-0100	100mL Wobble-not™ Serological Pipet	10 Individually Wrapped/Bag	50

## ASPIRATING PIPETS — PLASTIC/PLASTIC WRAP

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

229262A	2mL Aspirating Pipet	100 Individually Wrapped/Bag	400
---------	----------------------	------------------------------	-----

# Serological Pipets — Classic



- 1 Bi-directional graduations are printed in bold easy-to-read black ink
- 2 Color coded stripes and packaging enable quick volume identification
- 3 Premium polymer fiber barrier plug outperforms cotton plugs

## Multiple packaging options:

- 4 Individually wrapped and packed in bags
- 5 Individually wrapped in convenient shelf dispenser carton



## SEROLOGICAL PIPETS — INDIV. WRAPPED IN BAGS AF, 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

## SEROLOGICAL PIPETS — INDIV. WRAPPED/CARTON AF, S, R/D F, NP, USP, PS

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

# Serological Pipets — Open End



- Wide, open end is ideal for slurries, gels, high particulate, and viscous solutions

## SEROLOGICAL PIPETS — OPEN END AF, S, R/D F, NP, USP, PS

Part No.	Product Description	Pack Description	Qty/Case
229221B	1mL Open End Pipet	100 Individually Wrapped/Bag	500
229222B	2mL Open End Pipet	100 Individually Wrapped/Bag	500
229223B	5mL Open End Pipet	50 Individually Wrapped/Bag	200
229243	5mL Open End Pipet	25 Bulk Packed/Bag	500
229224B	10mL Open End Pipet	50 Individually Wrapped/Bag	200
229244	10mL Open End Pipet	25 Bulk Packed/Bag	500

# Serological Pipets — Shorty

- Compact designs of Shorty Serological Pipets provide ergonomic benefit
- Improved handling and range of arm movement allows for easier clearance in tight hood spaces
- Shorter length helps prevent pipet tip touching surfaces in the hood
- Shorty Wobble-not™ Serological Pipets also available

## SEROLOGICAL PIPETS — SHORTY AF, S, R/D F, NP, USP, PS

Part No.	Product Description	Pack Description	Qty/Case
229206B	5mL, Short	50 Indiv. Wrap./Bag	200
229211B	10mL, Short	50 Indiv. Wrap./Bag	200
229226B	25mL, Short	25 Indiv. Wrap./Bag	100

## WOBBLE-NOT™ — SHORTY AF, S, R/D F, NP, USP, PS

5090-0010	10mL Wobble-not™, Short	25 Indiv. Wrap./Bag	200
5090-0025	25mL Wobble-not™, Short	25 Indiv. Wrap./Bag	200



Shorty vs. standard length pipets



Wobble-not™ Shorty pipets

# 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

## SEROLOGICAL PIPETS — BACTERIOLOGICAL/MILK AF, 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
229267	1.1mL Bacteriological/Milk Pipet	50 Individually Wrapped/Bag	250
229258	2.2mL Bacteriological/Milk Pipet	50 Bulk Packed/Bag	400
229268	2.2mL Bacteriological/Milk Pipet	50 Individually Wrapped/Bag	250

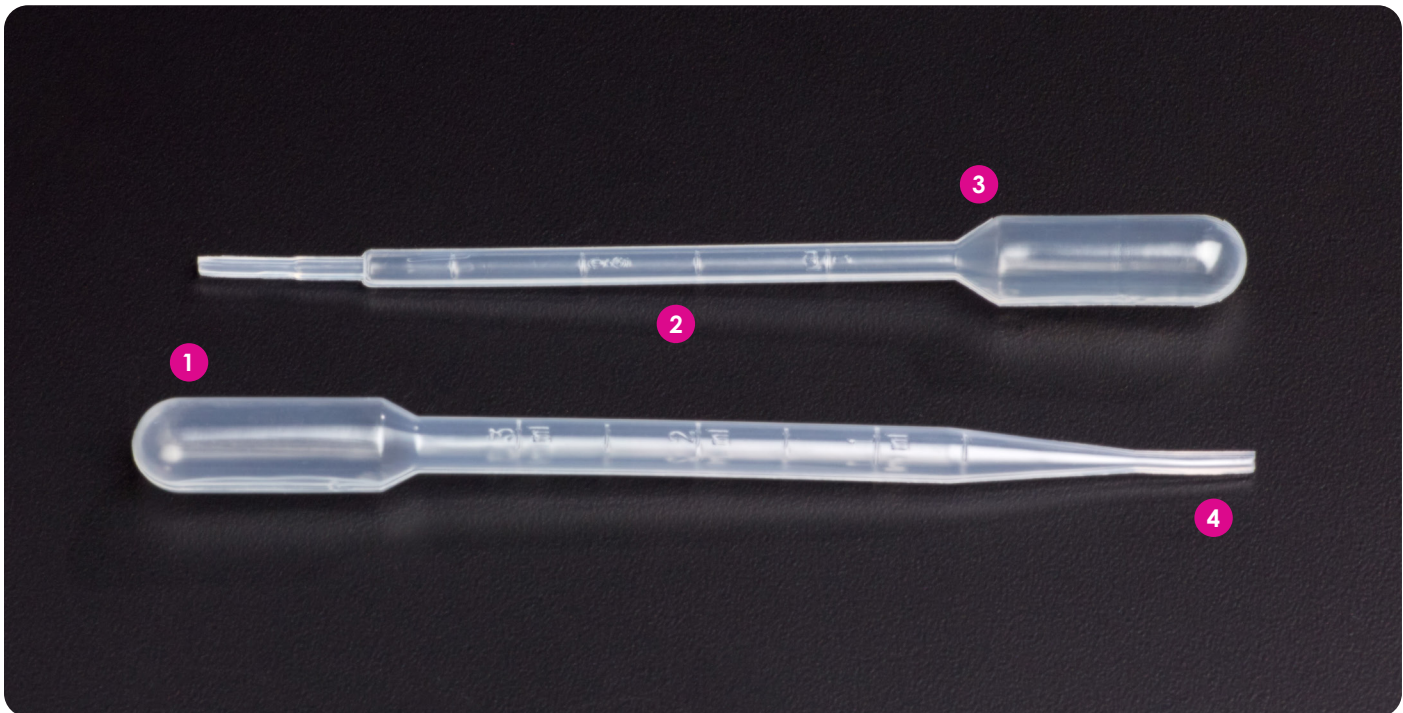
# Transfer Pipets

**NEW**



**Effortless liquid transfer  
at your fingertips!**

- Transfer Pipets are easy to manipulate with a gentle squeeze, and do not require any additional equipment
- Translucent and flexible pipet body is ideal for a range of liquid handling applications
- Each pipet features molded graduations with labeled increments
- Sterile Transfer Pipets are individually wrapped in plastic and suitable for transferring sterile solutions or cell suspensions
- Non-sterile bulk Transfer Pipets are ideal for regular benchtop use



- 1 Bulbs hold reserve volume for maximum capacity
- 2 Molded graduations are easy to read both empty and full
- 3 Soft polyethylene material requires minimal effort to squeeze
- 4 Tapered, fine tip accesses dish edges and conical tube bottoms

**CELLTREAT Transfer Pipet descriptions are based on full volume. Occasionally these products may be referred to by their graduated volumes, see table below.**

## TRANSFER PIPET SELECTION GUIDE

CELLTREAT DESCRIPTION	ALTERNATIVE DESCRIPTION
3mL	1mL
7mL	3mL

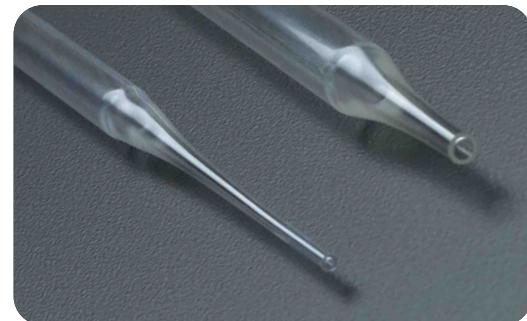
### TRANSFER PIPETS — INDIVIDUALLY WRAPPED

Part No.	Product Description	Pack Description	Sterile (Y/N)	Qty/Case
229213	3mL Transfer Pipet, Graduated to 1mL	100 Individually Wrapped/Bag	Y	500
229214	7mL Transfer Pipet, Graduated to 3mL	100 Individually Wrapped/Bag	Y	500

### TRANSFER PIPETS — BULK PACKED

Part No.	Product Description	Pack Description	Sterile (Y/N)	Qty/Case
229216	3mL Transfer Pipet, Graduated to 1mL	500/Re-sealable Bag	N	500
229217	7mL Transfer Pipet, Graduated to 3mL	500/Re-sealable Bag	N	500

# Polystyrene Plasteur® Pipets



Finer tip than standard aspirating pipets



- 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 when working with larger vessels
- Polystyrene Plasteur Pipets are packaged sterile



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

## PLASTEUR PIPET SELECTION GUIDE

### Not sure which Plasteur Pipet to choose?

Use the selection guide below to decide whether Polystyrene or Polypropylene is the best option for you

	POLYSTYRENE	POLYPROPYLENE
Autoclavable		✓
Chemically Compatible		✓
Precision Tip	✓	
Flexible		✓
High Clarity	✓	

## PLASTEUR PLASTIC PASTEUR PIPETS — POLYSTYRENE

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

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

# Polypropylene Plasteur® Pipets



**CELLTREAT**  
Exclusive Product!



Scan here for  
chemical  
compatibility  
guide

- Polypropylene has 90% shared chemical resistance with glass; chemical compatibility guide is available at [www.celltreat.com](http://www.celltreat.com) or scan QR code:

## SAFETY

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

## VALUE

- No damage during shipping and handling unlike traditional glass pipets
- Eliminate "sharps" disposal cost

## EFFICIENCY

- Will not shatter, eliminating losses due to broken glass
- Polypropylene is chemical resistant and autoclavable

## CONVENIENCE

- Many packaging options available; sterile, non-sterile, individually wrapped, and bulk bag or box
- Ideal for collecting and transferring *Drosophila* (see pages 62-63)

## PLASTEUR PLASTIC PASTEUR PIPETS — POLYPROPYLENE

AF, USP, A, PP

Part No.	Product Description	Length	Sterile (Y/N)	Pack Description	Qty/Case
229271	Plasteur Pipet — Polypropylene	5.75 inch	Y	50 Individually Wrapped/Bag	200
229276	Plasteur Pipet — Polypropylene	5.75 inch	Y	25 Bulk Packed/Re-sealable Bag	500
229277	Plasteur Pipet — Polypropylene	5.75 inch	N	100 Bulk Packed/Re-sealable Bag	500
229274	Plasteur Pipet — Polypropylene	5.75 inch	N	20 Bulk Packed/Tab Lock Box	1000
229281	Plasteur Pipet — Polypropylene	9 inch	Y	50 Individually Wrapped/Bag	200
229286	Plasteur Pipet — Polypropylene	9 inch	Y	25 Bulk Packed/Re-sealable Bag	500
229287	Plasteur Pipet — Polypropylene	9 inch	N	100 Bulk Packed/Re-sealable Bag	500
229284	Plasteur Pipet — Polypropylene	9 inch	N	200 Bulk Packed/Tab Lock Box	1000

# Aspirating Pipets



**Easily remove liquids from flasks and other vessels**

- Ideal for aspiration of media and sample waste removal where volume measurements are not needed
- Aspirating Pipets are supplied without graduations or plugs
- Available individually wrapped in paper/plastic wrappers or bulk packed in bags
- 2mL Aspirating Pipet (Part No. 229262A) also available in plastic/plastic wrap, the ideal option for eliminating particulate; proven benefit over traditional paper/plastic wrapper
- Aspirating Pipets do not have any printing on them and are ideal for food and beverage applications



**NEW** Shorty Aspirating Pipets help prevent pipet tips touching surfaces in the hood



## ASPIRATING PIPETS — BULK PACKED

AF, 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

## ASPIRATING PIPETS — PAPER/PLASTIC WRAP

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

229261	1mL Aspirating Pipet	100 Individually Wrapped/Bag	400	
<b>MOST POPULAR</b>	229262	2mL Aspirating Pipet	100 Individually Wrapped/Bag	400
	229265	5mL Aspirating Pipet	50 Individually Wrapped/Bag	200
	229247	10mL Aspirating Pipet	50 Individually Wrapped/Bag	200
	229248	25mL Aspirating Pipet	50 Individually Wrapped/Bag	200
	229249	50mL Aspirating Pipet	25 Individually Wrapped/Bag	100

## ASPIRATING PIPETS — PAPER/PLASTIC WRAP, SHORTY

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

<b>NEW</b>	229236	5mL Aspirating Pipet, Short	50 Individually Wrapped/Bag	200
<b>NEW</b>	229237	10mL Aspirating Pipet, Short	50 Individually Wrapped/Bag	200
<b>NEW</b>	229238	25mL Aspirating Pipet, Short	25 Individually Wrapped/Bag	100

## ASPIRATING PIPETS — PLASTIC/PLASTIC WRAP

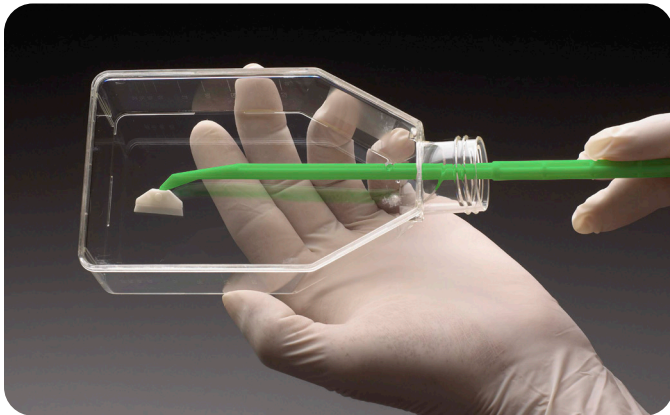
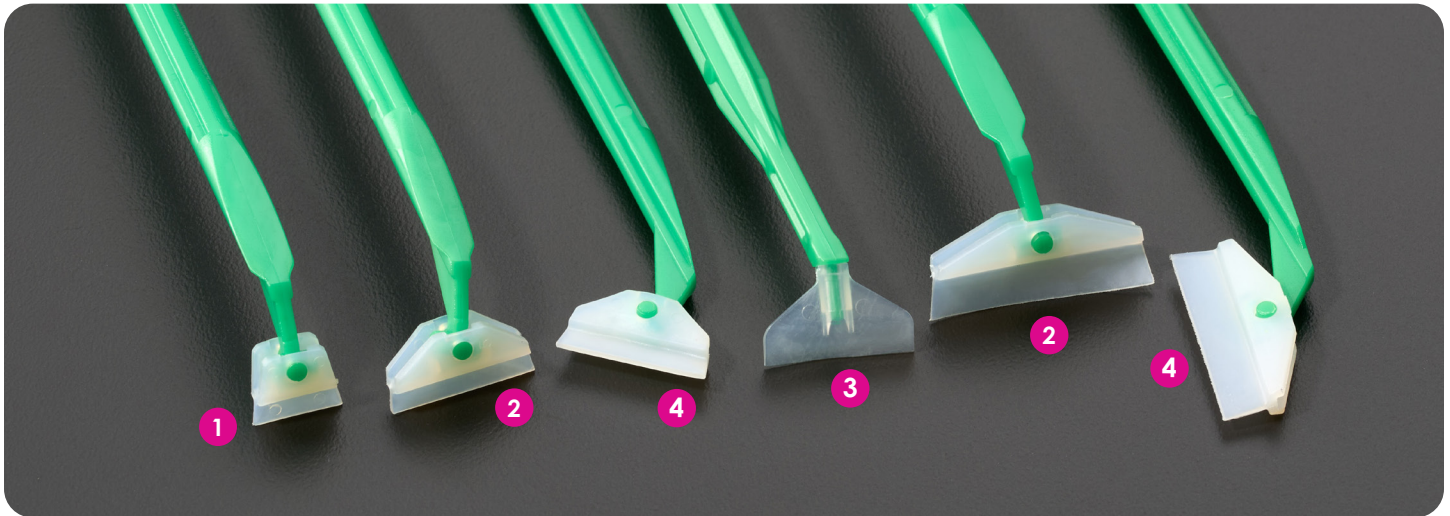
AF, S, R/D F, NP, USP, PS

	229262A	2mL Aspirating Pipet	100 Individually Wrapped/Bag	400
--	---------	----------------------	------------------------------	-----

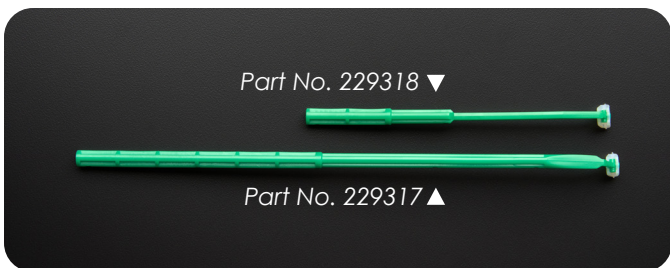
# Cell Scrapers



Soft, pliable blade is gentle on cells!



"Scraper" Blade



Part No. 229318 ▼

Part No. 229317 ▲

**NEW** Narrow Blade also available with specialized half-length handle designed for easier manipulation inside smaller flasks

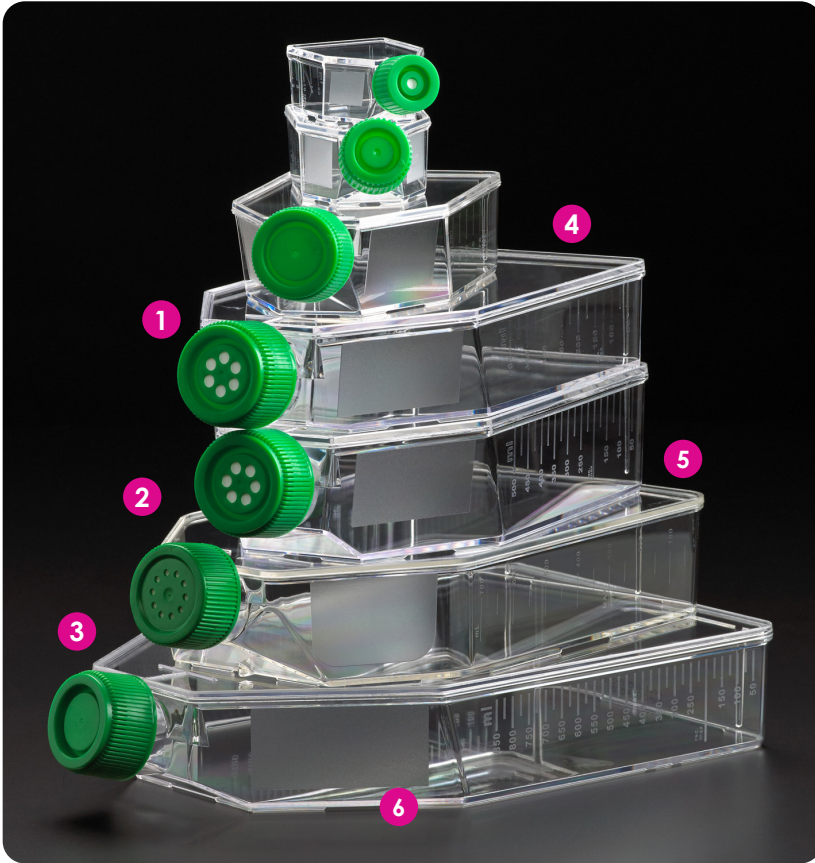
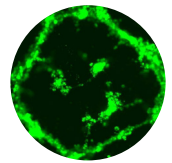
- Cell Scrapers are designed to gently harvest cells from tissue culture flasks, dishes or bottles
- Soft, pliable blade won't damage cells or scratch surfaces; outperforms hard plastic blade of other brands
- 12mm Narrow Blade is ideal for accessing cell culture vessels with smaller openings, such as 12.5, 25, and 75cm<sup>2</sup> Tissue Culture Flasks

- 1 NEW Narrow Blade** Cell Scraper is designed to easily access every corner of smaller Tissue Culture Flasks (Part No. 229317 & 229318)
- 2 Lifter Blade** is positioned perpendicular to the handle for use with a raking motion (Part No. 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 (Part No. 229312)
- 4 Scraper Blade** is positioned parallel to the handle for windshield wiper like scraping (Part No. 229310 & 229315)

## CELL SCRAPERS

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

	Part No.	Product Description	Handle Length	Blade Length	Blade Orientation	Pack Description	Qty/Case
<b>MOST POPULAR</b>	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
<b>NEW</b>	229317	Cell Scraper	25cm	12mm	Narrow Scraper (perpendicular)	Individually Wrapped	100
<b>NEW</b>	229318	Cell Scraper	12.5cm	12mm	Narrow Scraper (perpendicular)	Individually Wrapped	100



- 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 23)
- 3 Molded, interlocking T design for improved stacking — included on 75, 182 & 300cm<sup>2</sup> and 250, 600 & 850mL size flasks
- 4 Individual flasks are printed with lot number and expiration date for traceability
- 5 Molded volume graduations and recommended maximum fill lines
- 6 Frosted marking areas facilitate cell line and passage tracking information

## Wide range of flask shapes and growth areas (12.5cm<sup>2</sup> to 300cm<sup>2</sup>) follows projects from start-up through scale-up

- Tissue Culture-Treated Flasks have uniform hydrophilic surface treatment ideal for consistent cell attachment
- All Cell Culture Flasks are packaged pre-sterilized and ready to use
- Stable base enables filling the flask while standing upright
- 182cm<sup>2</sup> Flask offers more growth area than standard 175cm<sup>2</sup> Flasks
- 300cm<sup>2</sup> Flask offers a large culture area with the convenience of a single layer flask
- 150cm<sup>2</sup> Flask features U-shaped design
- Convenient zip-closure bag is a practical alternative to folding and taping opened bags
- Non-treated Cell Culture Flasks are ideal for suspension cultures (see page 26)
- Expanded growth surface area Multiple Layer Flasks and Cell Towers available (see page 27)



# Flasks — Tissue Culture-Treated

 Trust our oath to fuel your cell growth



Tissue Culture Flasks available in classic angled shape, or **NEW** 150cm<sup>2</sup> U-shape



Standard 182cm<sup>2</sup> Tissue Culture Flask (Top) vs. Deep Volume 182cm<sup>2</sup> Tissue Culture Flask (Bottom)

## Deep volume weekend flask!

182cm<sup>2</sup> Deep Volume Flask (Weekend Flask) has extra depth that allows for more media volume. Cell cultures can be left to grow for longer without running out of nutrients — confidently maintain cell cultures over the weekend!

### FLASKS — TISSUE CULTURE-TREATED

AF, S, R/D F, NP, USP, FLASK - PS, CAP - HDPE

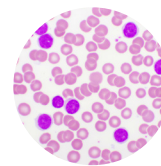
Part No.	Product Description	Cap Style	Working Volume*	Pack Description	Qty/Case
229321	12.5cm <sup>2</sup> Tissue Culture Flask	Vent	2-4mL	10/Re-sealable Bag	200
229331	25cm <sup>2</sup> Tissue Culture Flask	Vent	3-7mL	10/Re-sealable Bag	200
229341	75cm <sup>2</sup> Tissue Culture Flask	Vent	8-20mL	5/Re-sealable Bag	100
<b>NEW</b> 229346	150cm <sup>2</sup> Tissue Culture Flask — U-shaped	Vent	30-45mL	5/Re-sealable Bag	50
229351	182cm <sup>2</sup> Tissue Culture Flask	Vent	40-55mL	5/Re-sealable Bag	40
229381	182cm <sup>2</sup> Tissue Culture Flask — Deep Volume	Vent	40-80mL	5/Re-sealable Bag	40
229371	225cm <sup>2</sup> Tissue Culture Flask	Vent	45-70mL	5/Re-sealable Bag	25
229361	300cm <sup>2</sup> Tissue Culture Flask	Vent	60-85mL	3/Re-sealable Bag	18
229320	12.5cm <sup>2</sup> Tissue Culture Flask	Plug Seal	2-4mL	10/Re-sealable Bag	200
229330	25cm <sup>2</sup> Tissue Culture Flask	Plug Seal	3-7mL	10/Re-sealable Bag	200
229340	75cm <sup>2</sup> Tissue Culture Flask	Plug Seal	8-20mL	5/Re-sealable Bag	100
<b>NEW</b> 229345	150cm <sup>2</sup> Tissue Culture Flask — U-shaped	Plug Seal	30-45mL	5/Re-sealable Bag	50
229350	182cm <sup>2</sup> Tissue Culture Flask	Plug Seal	40-55mL	5/Re-sealable Bag	40
229370	225cm <sup>2</sup> Tissue Culture Flask	Plug Seal	45-70mL	5/Re-sealable Bag	25
229360	300cm <sup>2</sup> Tissue Culture Flask	Plug Seal	60-85mL	3/Re-sealable Bag	18

\*Working volumes are recommendations only; optimize as required for individual protocols

# Flasks — Non-Treated Suspension Culture



**Non-treated flasks are ideal for non-adherent suspension cultures**



- All Non-treated Flasks are provided pre-sterilized and ready to use
- There is no tissue culture treatment, which prevents unwanted adherence to flask surfaces
- All Non-treated Suspension Culture Flasks are assembled with vent caps only

## FLASKS — NON-TREATED SUSPENSION CULTURE

AF, S, R/D F, NP, USP, FLASK - PS, CAP - HDPE

Part No.	Product Description	Equivalent Flask Size	Working Volume	Pack Description	Qty/Case
229500	25mL Suspension Culture Flask	12.5cm <sup>2</sup>	2-4mL	10/Re-sealable Bag	200
229510	50mL Suspension Culture Flask	25cm <sup>2</sup>	3-7mL	10/Re-sealable Bag	200
229520	250mL Suspension Culture Flask	75cm <sup>2</sup>	8-20mL	5/Re-sealable Bag	100
<b>NEW</b> 229550	500mL Suspension Culture Flask — U-shaped	150cm <sup>2</sup>	30-45mL	5/Re-sealable Bag	50
229530	600mL Suspension Culture Flask	182cm <sup>2</sup>	40-55mL	5/Re-sealable Bag	40
<b>NEW</b> 229560	800mL Suspension Culture Flask	225cm <sup>2</sup>	45-70mL	5/Re-sealable Bag	25
229540	850mL Suspension Culture Flask	300cm <sup>2</sup>	60-85mL	3/Re-sealable Bag	18

## Flask Caps



**Plug Seal Caps** feature an integrated plug seal that prevents both leakage and gas exchange. May be loosened to allow for gas exchange.



**Vent Caps** have molded holes protected by a 0.22µm hydrophobic membrane, which prevents contamination while allowing gas exchange. Vent caps allow for aseptic gas exchange, compared to loosening solid caps and risking contamination.

## FLASK CAPS

AF, 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 <sup>2</sup> /25mL	5
229389	Flask Cap	Plug Seal	25cm <sup>2</sup> /50mL	5
229396	Flask Cap	Plug Seal	75cm <sup>2</sup> /250mL	5
229398	Flask Cap	Plug Seal	182 & 300cm <sup>2</sup> /600 & 850mL	5
229393	Flask Cap	Vent	12.5cm <sup>2</sup> /25mL	5
229390	Flask Cap	Vent	25cm <sup>2</sup> /50mL	5
229397	Flask Cap	Vent	75cm <sup>2</sup> /250mL	5
229399	Flask Cap	Vent	182 & 300cm <sup>2</sup> /600 & 850mL	5



# Multiple Layer Flasks — Tissue Culture-Treated

**NEW**

3 Layer Flask compared to  
3 standard flasks



Part No. 229323

5 Layer Flask compared to  
5 standard flasks



Part No. 229325



**Products designed  
to save you time!**



- Optimize time, incubator space, and resources with Tissue Culture-Treated Multiple Layer Flasks
- Compact design shares the same footprint as standard single layer flasks
- Flasks are available with 3 or 5 layers, and may be stacked for even more space saving
- Angled design facilitates media flow



Scan here for  
application  
guidelines

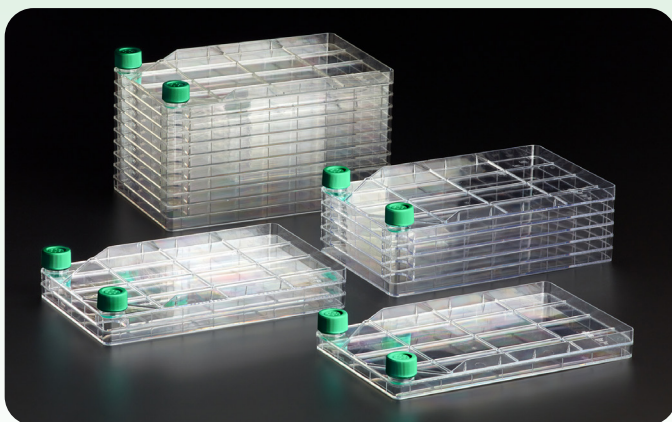
## MULTIPLE LAYER FLASKS — TISSUE CULTURE-TREATED

AF, S, R/D F, NP, USP, FLASK - PS, CAP - HDPE

Part No.	Product Description	Cap Style	Working Volume	Pack Description	Qty/Case
229323	525cm <sup>2</sup> Tissue Culture Flask, 3 Layer	Vent	120-165mL	2/Bag	12
229325	875cm <sup>2</sup> Tissue Culture Flask, 5 Layer	Vent	200-275mL	1/Bag	8

# Cell Towers — Tissue Culture-Treated

**NEW**



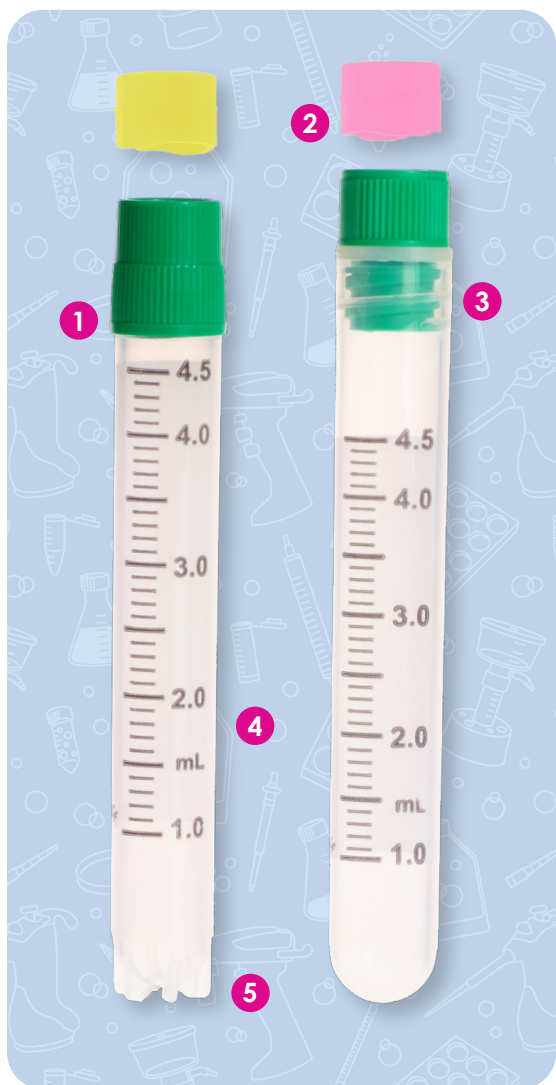
- Tissue Culture-Treated Cell Tower system scales up standard size Tissue Culture Flasks to maximize adherent cell yields
- Efficient design facilitates up to 6416cm<sup>2</sup> culture area
- Large, internal channels allow free media flow to reduce foaming
- Avoid contamination risks and save time and resources by culturing higher yields in fewer vessels
- Ideal for growing and harvesting cellular products, such as antibodies and therapeutic compounds

## CELL TOWERS — TISSUE CULTURE-TREATED

AF, S, R/D F, NP, USP, FLASK - PS, CAP - HDPE

Part No.	Product Description	Cap Style	Pack Description	Qty/Case
229301	656cm <sup>2</sup> Tissue Culture-Treated Cell Tower, 1 Layer	Vent	1/Bag	8
229322	1296cm <sup>2</sup> Tissue Culture-Treated Cell Tower, 2 Layer	Vent	1/Bag	4
229355	3216cm <sup>2</sup> Tissue Culture-Treated Cell Tower, 5 Layer	Vent	1/Bag	4
229366	6416cm <sup>2</sup> Tissue Culture-Treated Cell Tower, 10 Layer	Vent	1/Bag	2

# CELLTREAT Freeze Cryogenic Vials



- CELLTREAT Freeze Cryogenic Vials are designed for long-term storage of biological material at temperatures as low as  $-196^{\circ}\text{C}$ , in the gas phase of liquid nitrogen
- Available in round bottom or self-standing options
- Large white marking area for writing provides backdrop to enhance black graduations
- Max RCF: 17000 x g

## ACCESSORY ITEMS MAKE EVERYTHING EASY!

- Easily color-code samples with colored cap inserts (see page 31)
- Easy-Grip Workstation Rack and Storage Boxes available to hold and store CELLTREAT Freeze Cryogenic Vials (see page 31)
- Easily retrieve frozen vials with Lab Grab (see page 31)

- 1 External thread cap features integrated leak-proof seal, a long skirt for easy one hand aseptic handling, and a thread design allowing it to be removed or sealed with a mere  $1\frac{1}{4}$  turn
- 2 Cap Inserts available in 10 different colors to easily color-code samples
- 3 Internal thread cap has an O-ring silicone seal to ensure tight seal at any temperature
- 4 Contrasting black graduations are large and easy to view
- 5 Self-standing bottoms interlock with Easy-Grip Workstation Rack (Part No. 229941) enabling easy one-handed opening



**Safely store cells, tissues, and other biological samples at ultra low temperatures as low as -196°C**



CELLTREAT Freeze Cryogenic Vials now feature **green** caps, and you can still organize your vials with Color Cap Inserts (see page 31)

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 DESCRIPTION	ALTERNATIVE DESCRIPTION
1.0mL	1.2mL
1.8mL	2.0mL
3.6mL	4.0mL
4.5mL	5.0mL

**CELLTREAT FREEZE CRYOGENIC VIALS — INTERNAL THREAD** **AF, S, R/D F, NP, USP, A, PP**

Part No.	Product Description	Liquid Capacity	Threading	Base	Pack Description	Qty/Case
229913	1.0mL CF Cryogenic Vial	1.2mL	Internal	Self-Standing	100/Re-sealable Bag	100
229913B	1.0mL CF Cryogenic Vial	1.2mL	Internal	Self-Standing	100/Re-sealable Bag	<b>500</b>
229914	1.8mL CF Cryogenic Vial	2.0mL	Internal	Round-Bottom	100/Re-sealable Bag	100
<b>MOST POPULAR</b> 229915	1.8mL CF Cryogenic Vial	2.0mL	Internal	Self-Standing	100/Re-sealable Bag	100
229915B	1.8mL CF Cryogenic Vial	2.0mL	Internal	Self-Standing	100/Re-sealable Bag	<b>500</b>
229916	3.6mL CF Cryogenic Vial	4.0mL	Internal	Round-Bottom	100/Re-sealable Bag	100
229917	3.6mL CF Cryogenic Vial	4.0mL	Internal	Self-Standing	100/Re-sealable Bag	100
229917B	3.6mL CF Cryogenic Vial	4.0mL	Internal	Self-Standing	100/Re-sealable Bag	<b>500</b>
229918	4.5mL CF Cryogenic Vial	5.0mL	Internal	Round-Bottom	100/Re-sealable Bag	100
229919	4.5mL CF Cryogenic Vial	5.0mL	Internal	Self-Standing	100/Re-sealable Bag	100
229919B	4.5mL CF Cryogenic Vial	5.0mL	Internal	Self-Standing	100/Re-sealable Bag	<b>500</b>


**CELLTREAT FREEZE CRYOGENIC VIALS — EXTERNAL THREAD** **AF, S, R/D F, NP, USP, A, PP**

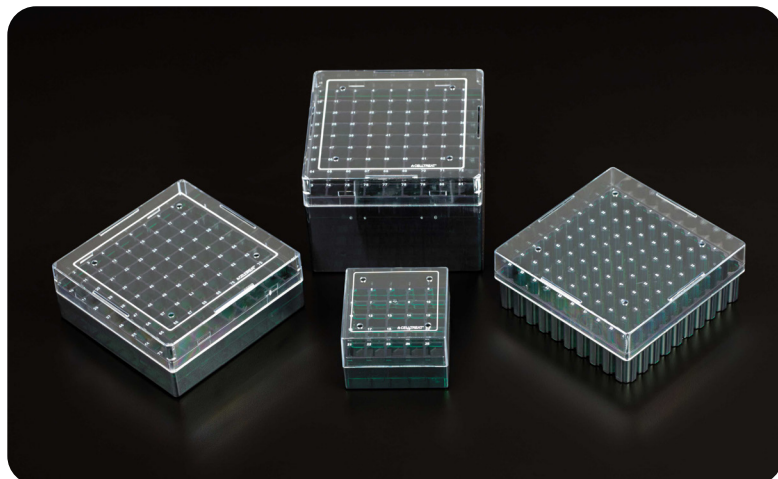
229923	1.0mL CF Cryogenic Vial	1.2mL	External	Self-Standing	100/Re-sealable Bag	100
229923B	1.0mL CF Cryogenic Vial	1.2mL	External	Self-Standing	100/Re-sealable Bag	<b>500</b>
<b>MOST POPULAR</b> 229925	1.8mL CF Cryogenic Vial	2.0mL	External	Self-Standing	100/Re-sealable Bag	100
229925B	1.8mL CF Cryogenic Vial	2.0mL	External	Self-Standing	100/Re-sealable Bag	<b>500</b>
229929	4.5mL CF Cryogenic Vial	5.0mL	External	Self-Standing	100/Re-sealable Bag	100
229929B	4.5mL CF Cryogenic Vial	5.0mL	External	Self-Standing	100/Re-sealable Bag	<b>500</b>

CELLTREAT Freeze Cryogenic Vials love freezing temperatures as much as I do!



# CELLTREAT Freeze Cryogenic Vial Storage Boxes

- Durable polycarbonate material is designed to withstand a wide temperature range (-196°C to 121°C) and is a reusable, autoclavable alternative to disposable boxes 
- Ventilation holes in the lids and bases prevent vacuum sealing and allow liquid nitrogen drainage
- Storage Boxes are labeled with numeric markings for easy identification of individual positions
- 100 place box features ridges along the sides to improve handling



## CELLTREAT FREEZE CRYOGENIC VIAL STORAGE BOXES — POLYCARBONATE

AF, N, 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, CF Cryogenic Vial, 100 Place	Fits 1mL-1.8mL Vials	5
229944	Deep Storage Box, CF Cryogenic Vial, 81 Place	Fits 4.5mL Vials	5

## Hinged Cardboard Storage Boxes

**NEW**



- Cardboard Storage Boxes feature a convenient hinged lid
- Constructed of sturdy, coated cardboard with durable plastic dividers
- Every well is labeled with coordinates in three places: outside lid; along the inside and outside walls; bottom of the wells
- Dividers are removeable in one piece, offering a versatile storage option
- Operating temperature range of -196°C to 121°C (do not submerge in liquid nitrogen)
- Ideal for 1.5 and 2.0mL Micro Centrifuge Tubes/Screw Cap Tubes, and 1.0 and 1.8mL Cryogenic Vials

## CELLTREAT FREEZE CRYOGENIC VIAL STORAGE BOXES — CARDBOARD

AF, N, Cardboard

Part No.	Product Description	Pack Description	Qty/Case
229948B	Storage Box, 81 Place, Hinged Cardboard, Blue	10/Box	10
229948G	Storage Box, 81 Place, Hinged Cardboard, Green	10/Box	10
229949B	Storage Box, 100 Place, Hinged Cardboard, Blue	10/Box	10
229949G	Storage Box, 100 Place, Hinged Cardboard, Green	10/Box	10

# CELLTREAT Freeze Cryogenic Vial Cap Inserts



- Easily color-code samples with colored cap inserts
- Cap Inserts are compatible with all Cryogenic Vials
- 500 Bulk Packed/Re-sealable Bag, 500/Case

CAP INSERTS		AF, N, PP
Part No.	Product Description	Color
229930	Cap Insert	Red
229931	Cap Insert	Orange
229932	Cap Insert	Yellow
229933	Cap Insert	Green
229934	Cap Insert	Blue
229935	Cap Insert	Purple
229936	Cap Insert	Pink
229937	Cap Insert	Brown
229938	Cap Insert	Gray
229939	Cap Insert	White
229940	Cap Insert	Assorted

# CELLTREAT Freeze Cryogenic Vial Workstation Rack



- Individual positions feature ribs which interlock with CELLTREAT Freeze Self-Standing Cryogenic Vials for easy one-handed opening and closing
- 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



**PROMO!** Buy any 5 cases of CELLTREAT Freeze Cryogenic Vials, get a Workstation Rack FREE

## CELLTREAT FREEZE CRYOGENIC VIAL WORKSTATION RACK AF, N, A, PP

Part No.	Product Description	Qty/Case
229941	Easy-Grip Workstation Rack, CF Cryogenic Vial, 40 Place	2/Re-sealable Bag

# 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 AF, N, A, Brass

Part No.	Product Description	Pack Description	Qty/Case
230110	Lab Grab Multi-Use Extension Grabber	2/Bag	2

# Culture Tubes — Round Bottom

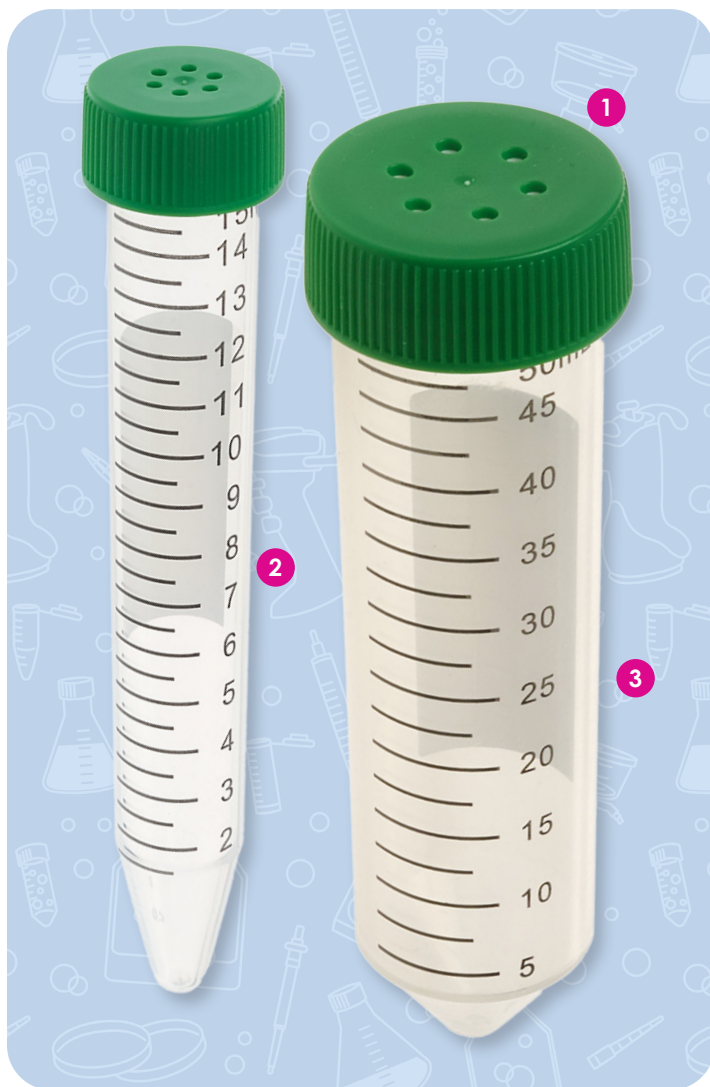


- Ideal for bacterial and suspension cell cultures, or as general purpose test tubes
- Dual caps allow for either vented or sealed positions
- Polystyrene tubes are optically clear to visualize cultures
- Polypropylene tubes offer enhanced chemical resistance
- Suitable for Fluorescence-Activated Cell Sorting (FACS) and flow cytometry applications

- 1 2 position dual cap
- 2 Molded graduations (14mL only)
- 3 USP Class VI virgin plastic resins
- 4 Rounded bottom for sample collection

CULTURE TUBES — POLYPROPYLENE		AF, R/D F, NP, USP, TUBE - PP, CAP - LDPE			
Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
230433	5mL Culture Tube and Dual Cap	3000 x g	Y	25/Re-sealable Bag	500
230439	14mL Culture Tube and Dual Cap	3000 x g	Y	25/Re-sealable Bag	500
230431	TUBE ONLY, 5mL Culture Tube	3000 x g	N	1000/Re-sealable Bag	1000
230437	TUBE ONLY, 14mL Culture Tube	3000 x g	N	1000/Re-sealable Bag	1000
CULTURE TUBES — POLYSTYRENE		AF, R/D F, NP, USP, TUBE - PS, CAP - LDPE			
230434	5mL Culture Tube and Dual Cap	1400 x g	Y	25/Re-sealable Bag	500
230440	14mL Culture Tube and Dual Cap	1400 x g	Y	25/Re-sealable Bag	500
230432	TUBE ONLY, 5mL Culture Tube	1400 x g	N	1000/Re-sealable Bag	1000
230438	TUBE ONLY, 14mL Culture Tube	1400 x g	N	1000/Re-sealable Bag	1000
CULTURE TUBES — DUAL CAP ONLY		AF, R/D F, NP, USP, LDPE			
230443	CAP ONLY, 5mL Culture Tube Dual Cap	NA	N	1000/Re-sealable Bag	1000
230444	CAP ONLY, 14mL Culture Tube Dual Cap	NA	N	1000/Re-sealable Bag	1000

# Bio-Reaction Tubes — 15 & 50mL



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



**Economically screen candidate compounds and cell lines before scaling up**



- Bio-Reaction Tubes offer a convenient and economical option for small scale, high density suspension cell culture
- Designed 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
- Variables 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 other start-up testing procedures
- Can be used for lyophilization (freeze drying)

## BIO-REACTION TUBES

AF, S, R/D F, NP, USP, A, TUBE - PP, CAP - HDPE

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

## BIO-REACTION TUBE CAPS

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

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

# Erlenmeyer Flasks



Enhance suspension culture yields with baffled bottoms

## Baffled? See the ERLENMEYER FLASK SELECTION GUIDE

	PC	PETG
Vented Caps	✓	✓
Solid Caps		✓
Plain Bottom	✓	✓
Baffled Bottom	✓	



- Lightweight plastic material is easier and safer to handle than glass
- Designed for mammalian suspension culture applications as well as bacterial and yeast culture
- Vent caps with 0.22µm hydrophobic membrane for improved gas exchange without contamination
- All flasks include molded graduation lines
- Individually bagged for easy storage and handling
- Conveniently pre-sterilized
- Baffled bottom promotes vertical movement of cultures to improve mixing and aeration and reduce sedimentation
- Baffled flasks feature a molded 1/3 fill line to help ensure optimal working volumes
- Medical grade virgin polycarbonate (PC) is autoclavable (temperature range of -80°C - 121°C)
- Medical grade virgin PETG reduces gas permeability (temperature range of -80°C - 60°C)

### PC ERLENMEYER FLASKS — VENT CAP/PLAIN BOTTOM AF, S, R/D F, NP, A, FLASK - PC, CAP - HDPE

Part No.	Product Description	Flask Material	Cap Type	Bottom Type	Working Volume	Pack Description	Qty/Case
229821	125mL Erlenmeyer Flask	PC	Vent	Plain	30mL	1/Bag	12
229825	250mL Erlenmeyer Flask	PC	Vent	Plain	60mL	1/Bag	12
229829	500mL Erlenmeyer Flask	PC	Vent	Plain	150mL	1/Bag	12
229833	1000mL Erlenmeyer Flask	PC	Vent	Plain	350mL	1/Bag	6

### PC ERLENMEYER FLASKS — VENT CAP/BAFFLED BOTTOM AF, S, R/D F, NP, A, FLASK - PC, CAP - HDPE

229823	125mL Erlenmeyer Flask	PC	Vent	Baffled	30mL	1/Bag	12
229827	250mL Erlenmeyer Flask	PC	Vent	Baffled	60mL	1/Bag	12
229831	500mL Erlenmeyer Flask	PC	Vent	Baffled	150mL	1/Bag	12
229835	1000mL Erlenmeyer Flask	PC	Vent	Baffled	350mL	1/Bag	6

### PETG ERLENMEYER FLASKS — SOLID CAP/PLAIN BOTTOM AF, S, R/D F, NP, FLASK - PETG, CAP - HDPE

229800	125mL Erlenmeyer Flask	PETG	Solid	Plain	30mL	1/Bag	12
229804	250mL Erlenmeyer Flask	PETG	Solid	Plain	60mL	1/Bag	12
229808	500mL Erlenmeyer Flask	PETG	Solid	Plain	150mL	1/Bag	12
229812	1000mL Erlenmeyer Flask	PETG	Solid	Plain	350mL	1/Bag	6

### PETG ERLENMEYER FLASKS — VENT CAP/PLAIN BOTTOM AF, S, R/D F, NP, FLASK - PETG, CAP - HDPE

229801	125mL Erlenmeyer Flask	PETG	Vent	Plain	30mL	1/Bag	12
229805	250mL Erlenmeyer Flask	PETG	Vent	Plain	60mL	1/Bag	12
229809	500mL Erlenmeyer Flask	PETG	Vent	Plain	150mL	1/Bag	12
229813	1000mL Erlenmeyer Flask	PETG	Vent	Plain	350mL	1/Bag	6

# Erlenmeyer & Fernbach Flasks — Large Volume



Part No. 229896 — Transfer Assembly

- 1 Large 70mm opening facilitates aseptic handling of flask contents
- 2 Over-sized vent area in cap enhances gas exchange
- 3 Fernbach Flask shape increases surface area to volume ratio
- 4 Baffled bottom promotes vertical movement of cultures to reduce sedimentation

- Designed for mammalian suspension culture applications as well as bacterial and yeast culture
- Caps feature integrated gasket for a secure, leakproof seal
- Conveniently pre-sterilized
- Polycarbonate flasks are autoclavable
- Available with plain or baffled bottom

## ERLENMEYER & FERNBACH FLASKS

AF, S, NP, USP, A, FLASK - PC, CAP - PP

Part No.	Product Description	Cap Type	Bottom Type	Working Volume	Pack Description	Qty/Case
229850	2L Erlenmeyer Flask	Vent	Plain	400mL	1/Bag	6
229855	2L Erlenmeyer Flask	Vent	Baffled	400mL	1/Bag	6
229860	2L Fernbach Flask	Vent	Plain	400mL	1/Bag	6
229865	2L Fernbach Flask	Vent	Baffled	400mL	1/Bag	6
<b>MOST POPULAR</b> 229870	3L Fernbach Flask	Vent	Plain	800mL	1/Bag	4
229875	3L Fernbach Flask	Vent	Baffled	800mL	1/Bag	4

## ERLENMEYER & FERNBACH FLASK CAPS

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

Part No.	Product Description	Cap Type	Bottom Type	Working Volume	Pack Description	Qty/Case
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

AF, S, NP, PP

229896	Transfer Assembly for 3L Fernbach Flask	NA	NA	NA	1/Bag	1
--------	---	----	----	----	-------	---

# PET Square Media Bottles



**The geometry of better storage**  
Up to 9% more storage density compared to round bottles!

- PET and PETG materials reduce gas permeability (compared to polystyrene) to improve solution stability
- Lightweight plastic material is a safer, shatterproof alternative to glass media bottles
- Ideal for storing media, reagents and buffers
- Square bottle shape conserves valuable space in refrigerated storage areas
- High clarity for visibility of contents
- Both PET and PETG media bottles have equivalent performance and share key material properties, such as operating temperature range (-80°C to 60°C) and chemical compatibility
- All Square Media Bottles are conveniently pre-sterilized



## PET

- Wide mouth design (45mm/GL45) minimizes contamination risk when pipetting media and solutions
- Printed graduations for quick reference
- Defined marking area is easy to write on

## PETG

- Narrow mouth design with natural color caps
- Clear, molded graduations
- Available with tamper-evident seal option



- 1 Wide mouth design with flat surface polyethylene (HDPE) caps ideal for marking
- 2 Square shape saves storage space
- 3 Clearly printed graduations and volumes
- 4 Easy-to-write on marking area

## SQUARE MEDIA BOTTLES AF, S, R/D F, NP, USP, PET

Part No.	Product Description	Pack Description	Qty/Case
229786	125mL Media Bottle, Square	1/Bag	24
229789	250mL Media Bottle, Square	1/Bag	24
229791	500mL Media Bottle, Square	1/Bag	24
229798	1000mL Media Bottle, Square	1/Bag	24

## SQUARE MEDIA BOTTLES — TRAY PACKED

229787	125mL Media Bottle, Square	12/Tray	24
229790	250mL Media Bottle, Square	12/Tray	24
229792	500mL Media Bottle, Square	12/Tray	24
229799	1000mL Media Bottle, Square	12/Tray	24

# PETG Square Media Bottles

**NEW**



PETG Square Media Bottles



Bulk tray packaging available with **tamper evident seal** (TE part numbers only)

## SQUARE MEDIA BOTTLES AF, S, R/D F, NP, USP, PETG

Part No.	Product Description	Pack Description	Qty/Case
230750	30mL Media Bottle, Square	1/Bag	24
230751	60mL Media Bottle, Square	1/Bag	24
230752	125mL Media Bottle, Square	1/Bag	24
230753	250mL Media Bottle, Square	1/Bag	24
230754	500mL Media Bottle, Square	1/Bag	24
229788	500mL Media Bottle, Square, Green Cap*	1/Bag	24
230755	1000mL Media Bottle, Square	1/Bag	24
230756	2L Media Bottle, Square	1/Bag	12

## SQUARE MEDIA BOTTLES — TRAY PACKED

230760	30mL Media Bottle, Square	24/Tray	48
230761	60mL Media Bottle, Square	24/Tray	48
230762	125mL Media Bottle, Square	12/Tray	24
230763	250mL Media Bottle, Square	12/Tray	24
230764	500mL Media Bottle, Square	12/Tray	24
230765	1000mL Media Bottle, Square	12/Tray	24
230766	2L Media Bottle, Square	6/Tray	12

## SQUARE MEDIA BOTTLES — TRAY PACKED, TAMPER EVIDENT

230760TE	30mL Media Bottle, Square	24/Tray	48
230761TE	60mL Media Bottle, Square	24/Tray	48
230762TE	125mL Media Bottle, Square	12/Tray	24
230763TE	250mL Media Bottle, Square	12/Tray	24
230764TE	500mL Media Bottle, Square	12/Tray	24
230765TE	1000mL Media Bottle, Square	12/Tray	24
230766TE	2L Media Bottle, Square	6/Tray	12

- 1 Narrow mouth with natural color HDPE caps
- 2 Square shape saves storage space
- 3 Ink-free, molded graduations



\*Part No. 229788 500mL Media Bottle, Green Cap not pictured, see website for image

# Filter Systems & Bottle Top Filters



## Let it flow!

Improved PES Filter Membranes cut filtration time by up to 43%

- Polyethersulfone (PES) membrane features low binding properties and high flow rate
- Faster flow rate and increased membrane wettability resulting from unique hydrophilic treatment
- 250 & 500mL filter membranes feature larger diameter than industry standard
- Easy-to-read molded graduation marks on bottle top filter
- Curved bottle design for easy handling

- 1 Premium PES membranes increase flow and reduce clogs
- 2 Angled hose barb adapter fits three size hose diameters and prevents the filter from tipping
- 3 Printed lot number and expiration date on every bottle top
- 4 Bold easy-to-read printed membrane and pore size for easy identification

- Bottle Top Filters are compatible with CELLTREAT brand Solution Bottles or other standard 45mm/ GL45 storage bottles
- Solution Bottles sold separately (see page 40)



500mL Filter System, 0.22µm (Part No. 229707)

## 50mL Centrifuge Tube Filter Systems

- Centrifuge Tube Filters feature PES membranes with either 0.22 or 0.45µm pores
- Centrifuge Tube Stands are made of polypropylene; autoclavable, reusable, and recyclable
- One Centrifuge Tube Stand included with each case of 50mL Centrifuge Tube Filter Systems, or available for purchase separately (Part No. 229409)

- 1 Eliminate a transfer step by filtering directly into a 50mL tube
- 2 Centrifuge Tube Stand will hold one 50mL tube, three 15mL tubes and three 1.5mL tubes
- 3 Each filter system comes with a separate, sterile cap

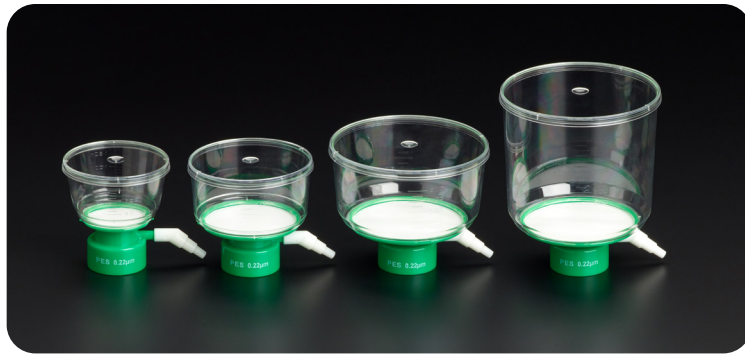


50mL Centrifuge Tube Filter System (Part No. 229709 & 229710)



**Don't wait until it's too late!**  
Only 0.10µm filters can effectively remove mycoplasma and prevent infection

- 0.10µm PES membrane effectively removes mycoplasma
- 0.22µm PES membrane is the first choice for sterile filtration of cell culture media
- 0.45µm PES membrane is ideal for solution clarification
- Nylon Polyamide (PA) membrane has excellent chemical compatibility and does not require pre-wetting



**FILTER SYSTEMS (BOTTLE TOP FILTER & SOLUTION BOTTLE) AF, S, R/D F, NP, USP, PS**

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

**BOTTLE TOP FILTERS (NO SOLUTION BOTTLE) AF, S, R/D F, NP, USP, PS**

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

**CENTRIFUGE TUBE FILTER SYSTEMS (TUBE FILTER, CENTRIFUGE TUBE, CAP & STAND) AF, R/D F, NP, USP, PS**

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

# Solution Bottles

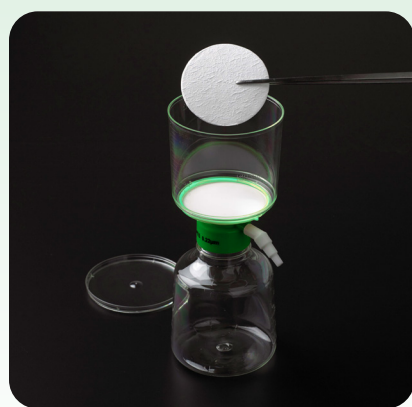


Compatible with Bottle Top Filters or for use as solution storage containers (Bottle Top Filters sold separately, see page 39)

- 1 No drip rim design
- 2 Solution Bottle neck size is 45mm with GL45 HDPE cap
- 3 Curved bottle design for easy handling

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

# Glass Fiber Filter Disks



- Glass Fiber Filter Disks are an ideal prefilter to prevent clogging when filtering viscous or particulate-laden solutions
- Compatible with CELLTREAT Filter Systems and Bottle Top Filters (see page 39)
- Increase filtration speed by capturing and removing larger particles
- Manufactured from borosilicate glass, are binder free, and can withstand high temperatures up to 500°C



GLASS FIBER FILTER DISKS				AF, S, R/D F, NP, GLS	
Part No.	Product Description	Filter Pore Size	Filter Compatibility	Pack Description	Qty/Case
230730	Glass Fiber Filter Disk, 50mm	1.0µm	150mL	Individually Wrapped	50
230732	Glass Fiber Filter Disk, 70mm	1.0µm	250mL	Individually Wrapped	50
230734	Glass Fiber Filter Disk, 90mm	1.0µm	500 & 1000mL	Individually Wrapped	50

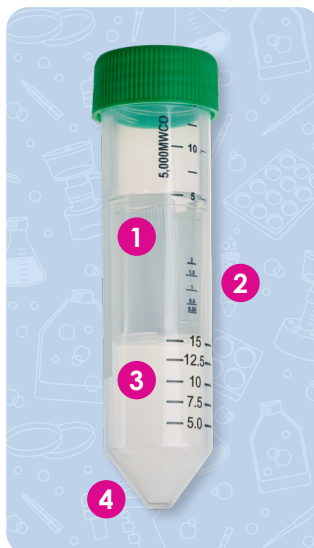
# Centrifugal Filter Units (MWCO Tubes)

**NEW**



**Protein processing that won't break the bank!**

- Swap your cap color; **green** is the new **pink!**
- Efficiently separate protein samples by molecular weight size exclusion
- Available in 5 Molecular Weight Cut-Offs (MWCO): 5, 10, 30, 50, and 100kDa
- Unique, small case quantities are budget-friendly
- Protein purification, buffer exchange, sample concentration, and more!
- Dual vertical PES filters efficiently process samples with >90% sample recovery



- 1 Dual vertical PES filters
- 2 Printed graduations on both the receiver tube and filter cartridge
- 3 Cartridge design prevents accidental over-concentration of samples
- 4 Standard centrifuge tube rotor compatibility



Scan here for application guidelines



## CENTRIFUGAL FILTER UNITS (MWCO TUBES)

AF, N, R/D F, NP, USP, TUBE - PP, CAP - HDPE

Part No.	Product Description	Membrane Material	Membrane Area	Membrane Pore Size	Pack Description	Qty/Case
230708	4mL Centrifugal Filter, MWCO	PES	3.5cm <sup>2</sup>	5kDa	8/Box	8
230710	4mL Centrifugal Filter, MWCO	PES	3.5cm <sup>2</sup>	10kDa	8/Box	8
230712	4mL Centrifugal Filter, MWCO	PES	3.5cm <sup>2</sup>	30kDa	8/Box	8
230714	4mL Centrifugal Filter, MWCO	PES	3.5cm <sup>2</sup>	50kDa	8/Box	8
230716	4mL Centrifugal Filter, MWCO	PES	3.5cm <sup>2</sup>	100kDa	8/Box	8
230720	15mL Centrifugal Filter, MWCO	PES	5.48cm <sup>2</sup>	5kDa	8/Box	8
230722	15mL Centrifugal Filter, MWCO	PES	5.48cm <sup>2</sup>	10kDa	8/Box	8
230724	15mL Centrifugal Filter, MWCO	PES	5.48cm <sup>2</sup>	30kDa	8/Box	8
230726	15mL Centrifugal Filter, MWCO	PES	5.48cm <sup>2</sup>	50kDa	8/Box	8
230728	15mL Centrifugal Filter, MWCO	PES	5.48cm <sup>2</sup>	100kDa	8/Box	8

# Syringe Filters



Color coded for easy identification!



**PES (Polyethersulfone)** - Low affinity for proteins and extractables

**MOST POPULAR**

- 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 binding for filtration of mild aqueous and organic solutions

- Maximizes protein recovery
- High temperature filtration
- Available in three pore sizes including 0.1µm for mycoplasma removal



**NYLON** - Universal application for analytical procedures

- Chemical filtration
- Beverage filtration
- Effectively binds protein
- Compatible with DMSO



**PTFE (Polytetrafluorethylene)** -

Hydrophobic membrane has great temperature resistance

- Degassing/clarifying solvents
- Ideal for filtering acids and bases
- Compatible with DMSO



**MCE (Mixed Cellulose Ester)** - Filtration of aqueous solutions

- Effectively binds trace proteins
- Oil particulates and bacteria filtration



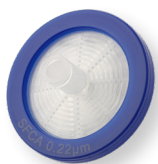
**GF (Glass Fiber)** - Preliminary filtering step to avoid clogging

- 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
- Available with a GF prefilter



**SFCA (Surfactant Free Cellulose Acetate)**

Similar uses to CA but contains no pre-wetting agents; lower extractables



- Individually packed, sterile, in peel-to-open paper/plastic blister packs
- Also available bulk packed, non-sterile, in PVDF, PES, PTFE and Nylon membranes

- 1 Color coded syringe filters are laser printed with membrane material and pore size
- 2 Female luer-lock inlet and male luer slip outlet
- 3 0.22µm CA Syringe Filter with integrated GF prefilter (Part No. 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

**SYRINGE FILTERS**
**AF, R/D F, NP USP, PP**

Part No.	Membrane Material	Membrane Pore Size	Membrane Diameter	Sterile (Y/N)	Packaging	Qty/Case
229739	PES	0.10µm	30mm	Y	Individual	30
229746	PES	0.22µm	13mm	Y	Individual	75
<b>MOST POPULAR</b> 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	<b>Bulk</b>	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	<b>Bulk</b>	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	<b>Bulk</b>	100
229776	Nylon	0.45µm	30mm	N	<b>Bulk</b>	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	<b>Bulk</b>	100
229778	PTFE	0.22µm	30mm	N	<b>Bulk</b>	100
<b>NEW</b> 229730	PTFE	0.22µm	50mm	N	<b>Bulk</b>	10
<b>NEW</b> 229731	PTFE	0.22µm	50mm	Y	<b>Bulk</b>	10
229779	PTFE	0.45µm	13mm	N	<b>Bulk</b>	100
229780	PTFE	0.45µm	30mm	N	<b>Bulk</b>	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

# Graduated Beakers



**STACKABLE BEAKERS**



**NEW HANDLED BEAKERS**

## BEAKERS — STACKABLE AF, N, A, PP

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

## BEAKERS — HANDLED AF, N, A, PP

<b>NEW</b>	230521	100mL Beaker, Handled	1/Bag	12
<b>NEW</b>	230522	250mL Beaker, Handled	1/Bag	12
<b>NEW</b>	230523	600mL Beaker, Handled	1/Bag	12
<b>NEW</b>	230524	1000mL Beaker, Handled	1/Bag	6
<b>NEW</b>	230525	Assorted Beaker Set, Handled	1/Bag	12

### STACKABLE BEAKERS

- Stackable Beakers are designed with molded graduations and angled walls for easy nesting
- Molded pouring spouts and rolled lip for dripless work environment
- Assorted Stackable Beaker Set comes with 10 per size
- Autoclavable to 121 °C

### NEW HANDLED BEAKERS

- Sturdy handles with textured thumb rest ensure safe handling of hazardous solutions
- Handled Beakers feature clearly printed graduations
- Polypropylene material is resistant to a variety of strong acids, bases, and solvents
- Can withstand -20°C to 135°C
- Assorted Handled Beaker Set comes with 3 per size

# Wide Mouth Bottles

- Round shape and easy-pour wide mouth design
- Excellent chemical resistance and durable, rigid walls
- Linerless leak-proof screw top closure
- Non-sterile; autoclavable

## WIDE MOUTH BOTTLES AF, 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



# Graduated Cylinders **NEW**



**Strong, clear, chemically resistant PMP material**



- Graduated Cylinders are designed with ring-molded, incremental graduations to ensure excellent readability and accuracy
- Premium polymethylpentene material is a transparent, lightweight, and shatterproof alternative to glass measuring cylinders, with strong chemical resistance and a maximum temperature tolerance of 135°C
- Pour spout and rolled lip design prevent drips and splashes
- Cylinders feature a wide hexagonal base for increased stability

## GRADUATED CYLINDERS

**AF, N, A, PMP**

Part No.	Product Description	Pack Description	Qty/Case
230533	50mL Graduated Cylinder	1/Bag	6
230534	100mL Graduated Cylinder	1/Bag	4
230535	250mL Graduated Cylinder	1/Bag	4
230536	500mL Graduated Cylinder	1/Bag	2
230537	1000mL Graduated Cylinder	1/Bag	1
230538	2000mL Graduated Cylinder	1/Bag	1
230539	Assorted Cylinders	1/Bag	6

# Pick n' Scoop™ Lab Spatula **NEW**



**Tri-round shape of the scoop makes it easy to collect powders off flat surfaces**



- Dual-end lab spatula tool features a wide scoop for coarse measurements and narrow scoop with crafted point for precise handling
- Break up stubborn chemical clumps and transfer using one convenient tool
- Multi-purpose bench tool saves space and enhances efficiency
- Angled point is durable enough to break up tough, compacted, or hygroscopic chemicals without bending or breaking
- Disposable spatulas reduce chemical cross contamination risks
- U.S. patent pending

## PICK N' SCOOP™ LAB SPATULA

**AF, N, HDPE**

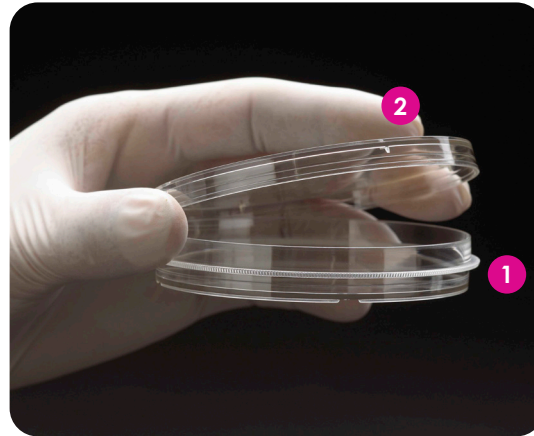
Part No.	Product Description	Color	Pack Description	Qty/Case
229970	Pick n' Scoop™ Lab Spatula, Large	Green	50/Bag	200
229971	Pick n' Scoop™ Lab Spatula, Small	Blue	50/Bag	200

# Treated Cell Culture Dishes



**Grip it, don't drop it!**  
Gripping feature available

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



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

## DISHES — TREATED CELL CULTURE WITH GRIPPING FEATURE AF, 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 <sup>2</sup>	10/Re-sealable Bag	500
229660	60mm x 15mm Tissue Culture-Treated Dish	7 - 8mL	21cm <sup>2</sup>	10/Re-sealable Bag	500
229670	70mm x 15mm Tissue Culture-Treated Dish	7 - 8mL	36.3cm <sup>2</sup>	10/Re-sealable Bag	500
229690	100mm x 15mm Tissue Culture-Treated Dish	15 - 16mL	55cm <sup>2</sup>	10/Re-sealable Bag	500
229620	100mm x 20mm Tissue Culture-Treated Dish	15 - 16mL	60.5cm <sup>2</sup>	10/Re-sealable Bag	300

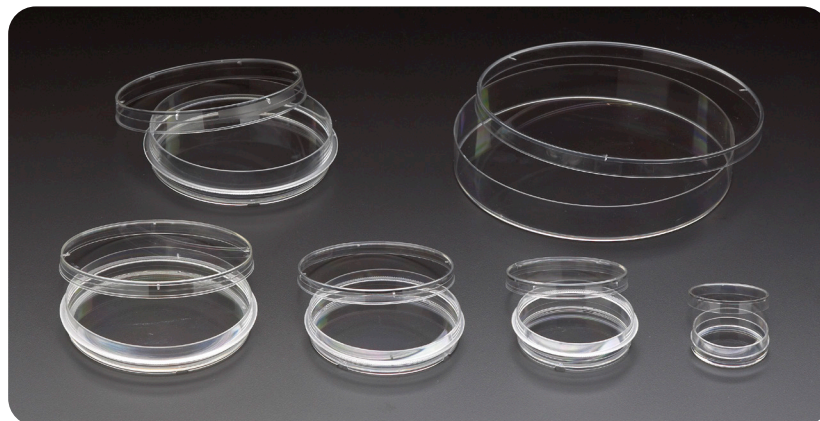


## DISHES — TREATED CELL CULTURE WITHOUT GRIPPING FEATURE AF, S, R/D F, NP, USP, PS

Part No.	Product Description	Working Volume	Growth Area	Pack Description	Qty/Case
229661	60mm x 15mm Tissue Culture-Treated Dish	7 - 8mL	21cm <sup>2</sup>	20/Re-sealable Bag	500
229621	100mm x 20mm Tissue Culture-Treated Dish	15 - 16mL	60.5cm <sup>2</sup>	10/Re-sealable Bag	300
229650	150mm x 20mm Tissue Culture-Treated Dish	25 - 28mL	143cm <sup>2</sup>	1/Bag	60
229651	150mm x 20mm Tissue Culture-Treated Dish	25 - 28mL	143cm <sup>2</sup>	5/Re-sealable Bag	100
229652	150mm x 25mm Tissue Culture-Treated Dish	25 - 50mL	154cm <sup>2</sup>	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, 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
- Conveniently pre-sterilized
- Manufactured from medical grade virgin polystyrene



## DISHES — NON-TREATED CELL CULTURE WITH GRIPPING FEATURE AF, 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 <sup>2</sup>	10/Bag	960
229663	60mm x 15mm Petri Dish	7 - 8mL	21cm <sup>2</sup>	10/Bag	500
229692	100mm x 15mm Petri Dish	15 - 16mL	55cm <sup>2</sup>	10/Bag	300
229693	100mm x 15mm Petri Dish	15 - 16mL	55cm <sup>2</sup>	10/Bag	<b>500</b>
229623	100mm x 20mm Petri Dish	15 - 16mL	60.5cm <sup>2</sup>	10/Bag	300

## DISHES — NON-TREATED CELL CULTURE WITHOUT GRIPPING FEATURE AF, S, R/D F, NP, USP, PS

Part No.	Product Description	Working Volume	Growth Area	Pack Description	Qty/Case
229656	150mm x 15mm Petri Dish	25 - 28mL	153cm <sup>2</sup>	10/Bag	100
229653	150mm x 20mm Petri Dish	25 - 28mL	143cm <sup>2</sup>	5/Bag	100

# Timer & Bag Cutter



### TIMER

- 4-channel timer allows for 4 simultaneous countdowns, with 4 unique alarm tones for each channel
- Set countdowns for hours, minutes, or seconds
- Additionally functions as a clock
- Display using easel stand or mounting magnet
- Uses 2 LR44 batteries (included)

### TIMER ACCESSORY

Part No.	Product Description	Qty/Case
230123	Multi-Function Timer	1

### BAG CUTTER

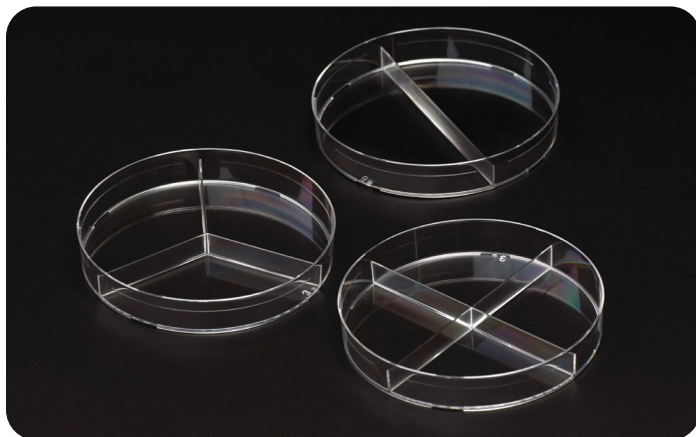
- Safely and easily cuts plastic bags and pouches
- Features unique contoured design, sharp non-removable stainless steel blade and lanyard hang hole for convenience
- Includes integrated tape splitter for easy box opening

### BAG CUTTER ACCESSORY

Part No.	Product Description	Qty/Case
230100	Bag Cutter	5



# Compartment Petri Dishes



- Conserve space and media by growing up to 4 segregated cultures per dish
- 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

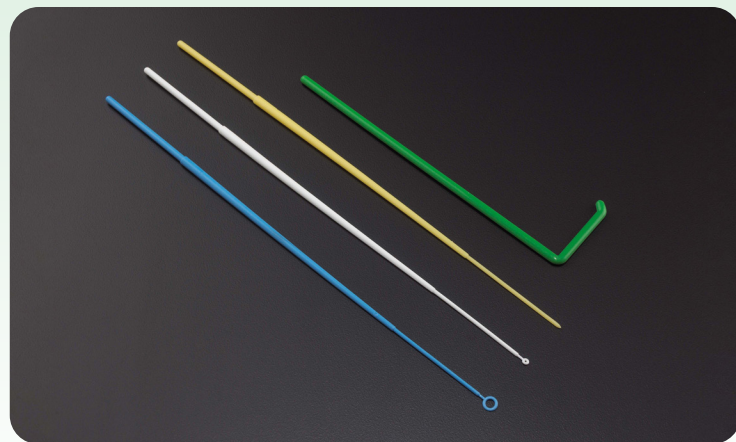
## DISHES — COMPARTMENT PETRI

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

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

# Loops, Needles & Spreaders

- Disposable, sterile tools eliminate the need to sterilize instruments between cultures
- L-Shaped Cell Spreader is ideal for evenly spreading bacterial cultures; angled tip prevents damaging agar surfaces
- Loops and Needles are flexible for easy access to small-volume tubes
- All tools are color-coded for easy identification
- Loops and L-Shaped Cell Spreader available individually wrapped in peel-to-open paper/plastic wrappers



## INOCULATING LOOPS AND NEEDLES

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

Part No.	Product Description	Color	Length	Pack Description	Qty/Case
229610	10µL Inoculating Loop	Blue	221mm	20/Re-sealable Bag	2000
229612	10µL Inoculating Loop	Blue	221mm	100 Individually Wrapped/Bag	600
229601	1µL Inoculating Loop	White	218mm	20/Re-sealable Bag	2000
229602	1µL Inoculating Loop	White	218mm	100 Individually Wrapped/Bag	600
229615	Inoculating Needle	Yellow	215mm	20/Re-sealable Bag	2000

## L-SHAPED CELL SPREADERS

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

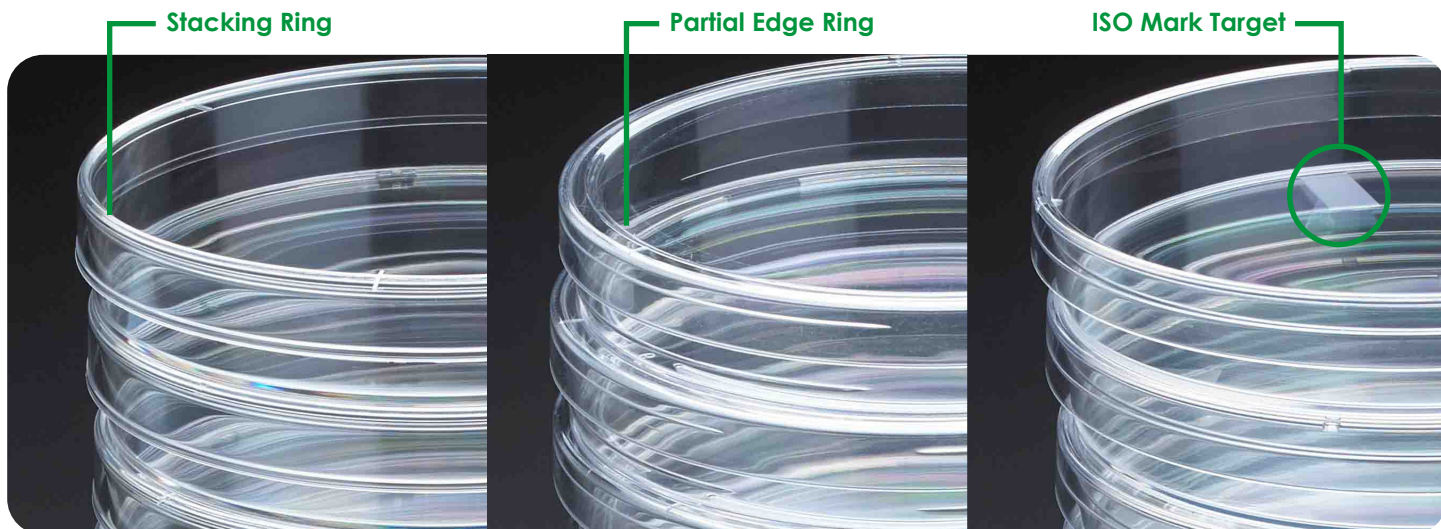
Part No.	Product Description	Color	Length	Pack Description	Qty/Case
229617	L-Shaped Spreader	Green	145mm	10/Pack	500
229616	L-Shaped Spreader	Green	145mm	100 Individually Wrapped/Bag	100

# Petri Dishes



## CELLTREAT Advantage Feature:

Durable packaging offers greater protection from shipping damage



Part No. 229695

Part No. 229694

Part No. 229697

### STACKABLE

Lids contain stacking rings for increased stability

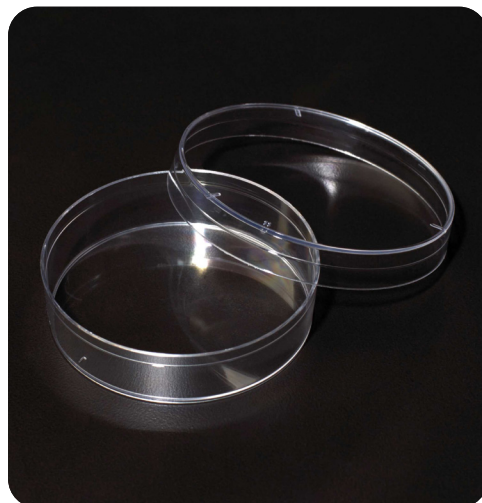
### STACKABLE/SLIDEABLE

Features partial edge ring on base which allows a single dish to be slid from a large stack and enhances stability when stacked

### SLIPPABLE

Designed for automated filling and streaking systems, features side arrows and ISO Mark Target for automation

- CELLTREAT Petri Dishes are manufactured in high capacity automated production lines resulting in high quality, value priced products
- Ventilation ribs in lids reduce condensation and allow air circulation
- Consistent flatness allows for even media distribution
- Durable packaging helps reduce shipping damage
- **NEW** Part No. 229691 features a low, 10mm profile to maximize storage space



60mm x 15mm - Part No. 229665



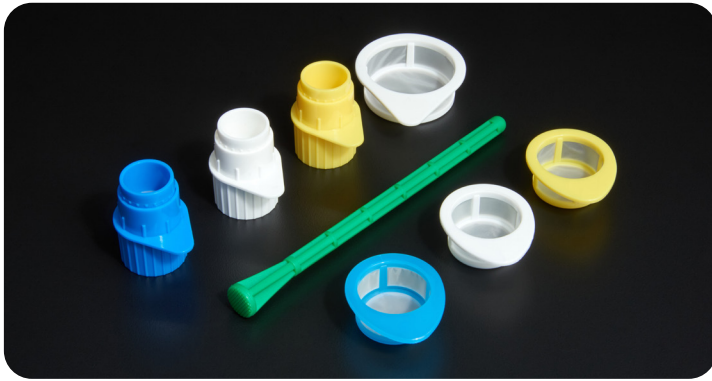
**NEW** 100mm x 10mm - Part No. 229691

## DISHES — PETRI

AF, 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 <sup>2</sup>	20/Bag	500
<b>NEW</b>	229691	100mm x 10mm Petri Dish	Stackable	15 - 16mL	55cm <sup>2</sup>	30/Bag	300
	229694	100mm x 15mm Petri Dish	Stackable/Slideable	15 - 16mL	55cm <sup>2</sup>	20/Bag	500
	229695	100mm x 15mm Petri Dish	Stackable	15 - 16mL	55cm <sup>2</sup>	20/Bag	500
	229697	100mm x 15mm Petri Dish	Slippable	15 - 16mL	55cm <sup>2</sup>	20/Bag	500

# Cell Strainers — 15, 50 & 500mL



**Exclusive Pestle is an inexpensive and convenient tool for use with all Cell Strainers**



Pestle,  
Part No.  
229480



Multi-Purpose Stand, Part No. 229409

*Convex Pestle head features molded textured surface*

- Cell Strainers can be used for many applications, including isolating cells and removing clumps or debris
- Hydrophilic treatment increases flow and reduces the effects of surface tension
- Available in 3 mesh sizes, with color-coding for easy identification
- Designed to universally fit most brands of centrifuge tubes
- The CELLTREAT exclusive Pestle improves manipulation of material in the strainer



50mL Size

## 50 & 500mL CELL STRAINER FEATURES

- 1 Polypropylene housing secures the nylon mesh filter, eliminating the need to fabricate filters from gauze, paper, or other materials
- 2 Extended lip on housing enables aseptic handling with forceps
- 3 Elongated gripping tab for easy manual handling



500mL Size



30mL PETG Bottle

15mL Tube

14mL Culture Tube

5mL Culture Tube

5mL Macro Tube

0.5 - 2.0mL Micro Tube



## 15mL Cell Strainers

One small size, many possibilities!

- 15mL Cell Strainers are designed for 15mL Centrifuge Tubes, but are versatile enough to accommodate a wide range of tubes
  - Compatible with the CELLTREAT Pestle (Part No. 229480)
  - Stackable, allowing for serial filtration
- ◀ Use small strainers with 15mL Centrifuge Tubes and Pestle to reduce sample hold-up and maximize recovery



### 15mL CELL STRAINER FEATURES

- 1 Grip tab for easy, aseptic handling
- 2 Slotted to accommodate attached caps
- 3 Upper cup can be removed and inverted to collect residual cells
- 4 Molded funnel channels solutions to prevent leaks and spills

### **NEW** 500mL Cell Strainers provide a larger filter area for up to 500mL sample processing

- Large diameter strainer is designed for use with 500mL Large Volume Centrifuge Tubes (see page 92)
- Accommodates any tube with an inner neck diameter between 35 and 40mm
- Compatible with the CELLTREAT Pestle (Part No. 229480)



500mL Large Volume Centrifuge Tube (Part No. 229463) shown with Part No. 230495

CELL STRAINERS — 15mL					AF, S, R/D F, NP, USP, PP	
	Part No.	Product Description	Pore Size	Color	Pack Description	Qty/Case
<b>NEW</b>	230471	15mL Cell Strainer	40µm	Blue	Individually Wrapped	50
<b>NEW</b>	230473	15mL Cell Strainer	70µm	White	Individually Wrapped	50
<b>NEW</b>	230475	15mL Cell Strainer	100µm	Yellow	Individually Wrapped	50
CELL STRAINERS — 50mL					AF, S, R/D F, NP, USP, PP	
<b>MOST POPULAR</b>	229481	50mL Cell Strainer	40µm	Blue	Individually Wrapped	50
	229482	50mL Cell Strainer	40µm	Blue	10 Bulk Packed/Bag	50
<b>MOST POPULAR</b>	229483	50mL Cell Strainer	70µm	White	Individually Wrapped	50
	229484	50mL Cell Strainer	70µm	White	10 Bulk Packed/Bag	50
<b>MOST POPULAR</b>	229485	50mL Cell Strainer	100µm	Yellow	Individually Wrapped	50
	229486	50mL Cell Strainer	100µm	Yellow	10 Bulk Packed/Bag	50
CELL STRAINERS — 500mL					AF, S, R/D F, NP, USP, PP	
<b>NEW</b>	230491	500mL Cell Strainer	40µm	Blue	Individually Wrapped	50
<b>NEW</b>	230493	500mL Cell Strainer	70µm	White	Individually Wrapped	50
<b>NEW</b>	230495	500mL Cell Strainer	100µm	Yellow	Individually Wrapped	50
CELL STRAINERS — ACCESSORIES					AF, S, R/D F, NP, USP, PP	
	229480	Pestle	NA	Green	Individually Wrapped	50
	229409	Multi-Purpose Stand	NA	NA	5/Bag	5

# Double Ended Cell Lifters



Efficiently harvest cells with two tools in one!



- 1** Narrow Blade is tapered to fit into 96 well plates or micro centrifuge tubes and can be used to re-suspend stubborn pellets
- 2** Unique double end design features 19mm beveled edge Flat Blade on one end and J-Hook or Narrow Blade on the other
- 3** Curved J-Hook is designed to conveniently harvest cells from multiple well plates
- 4** 19mm beveled edge Flat Blade ensures even contact with growth surface of flasks and dishes

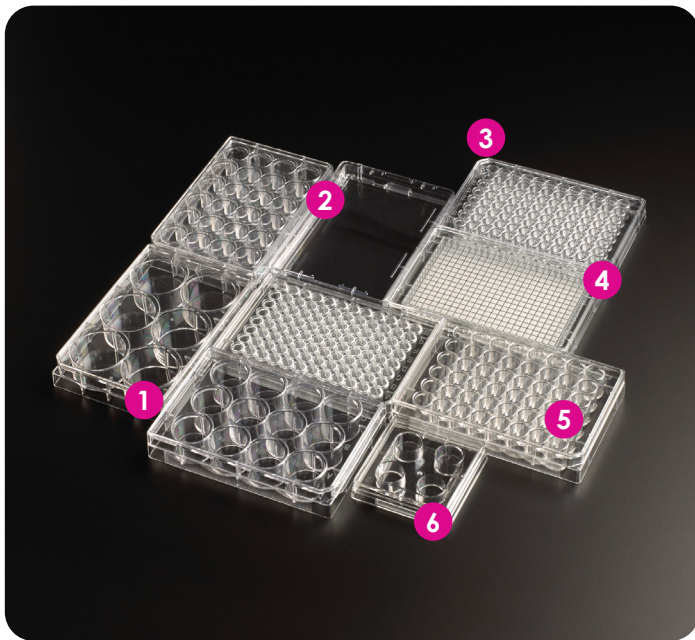


## DOUBLE ENDED CELL LIFTERS

AF, 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

# Tissue Culture-Treated Multiple Well Plates



**Excellent cell adhesion and universal plate dimensions ensure reliable results**

- Cell culture treatment process provides consistent hydrophilic surface for improved cell attachment
  - Polystyrene is optically clear for easy cell viewing and imaging
  - Round bottom option maximizes sample retrieval and allows mixing (Part No. 229190)
  - Each plate is printed with lot number and expiration date for easy traceability
  - Sturdy individual blister pack prevents damage when handling or shipping
  - Bulk pack option (5/bag) increases efficiency for high volume users, and reduces packaging waste (Part No. 229197 & 229127)
  - Compatible with Round Cover Glass, see pg 58 for options
- 384 Well Plates maximize automated analysis of drug screening candidates or other high throughput samples
  - Lids have a stacking feature for added stability when handling tall stacks of plates
  - 4 Well Plates are designed with expanded inter-well spacing to reduce risk of cross-contamination

- 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
- 1 Well Plates are ideal for robotic screening of DNA libraries and dot-blotting bacterial clones on nylon membranes
- Plates are labeled with alpha-numeric markings for easy identification of individual wells

## MULTIPLE WELL PLATES — TISSUE CULTURE-TREATED\* AF, S, R/D F, NP, USP, PS

Part No.	Product Description	Bottom Shape	Cell Growth Area	Pack Description	Qty/Case
229101	1 Well Tissue Culture Plate	Flat	97.4cm <sup>2</sup>	Individual	50
229103	4 Well Tissue Culture Plate	Flat	1.96cm <sup>2</sup>	Individual	50
229105	6 Well Tissue Culture Plate	Flat	9.60cm <sup>2</sup>	Individual	50
229106	6 Well Tissue Culture Plate	Flat	9.60cm <sup>2</sup>	Individual	<b>100</b>
229111	12 Well Tissue Culture Plate	Flat	3.85cm <sup>2</sup>	Individual	50
229112	12 Well Tissue Culture Plate	Flat	3.85cm <sup>2</sup>	Individual	<b>100</b>
229123	24 Well Tissue Culture Plate	Flat	1.93cm <sup>2</sup>	Individual	50
229124	24 Well Tissue Culture Plate	Flat	1.93cm <sup>2</sup>	Individual	<b>100</b>
<b>NEW</b> 229127	24 Well Tissue Culture Plate	Flat	1.93cm <sup>2</sup>	5/Bag	100
229147	48 Well Tissue Culture Plate	Flat	0.84cm <sup>2</sup>	Individual	50
229148	48 Well Tissue Culture Plate	Flat	0.84cm <sup>2</sup>	Individual	<b>100</b>
229195	96 Well Tissue Culture Plate	Flat	0.33cm <sup>2</sup>	Individual	50
229196	96 Well Tissue Culture Plate	Flat	0.33cm <sup>2</sup>	Individual	<b>100</b>
229197	96 Well Tissue Culture Plate	Flat	0.33cm <sup>2</sup>	5/Bag	100
229190	96 Well Tissue Culture Plate	Round	0.58cm <sup>2</sup>	Individual	100
229138	384 Well Tissue Culture Plate	Flat	0.11cm <sup>2</sup>	Individual	50

\*See page 56 for Non-Treated Multiple Well Plates

# Permeable Cell Culture Inserts



- Mimic a variety of *in vivo* conditions to generate impactful data
- Inserts are centered in wells, which allows pipette access to lower compartment, and prevents wicking between insert and side wall
- Inserts hang above tissue culture-treated wells, allowing co-culture: grow cells on both the insert membrane and the well bottom (non-treated plates sold separately, see page 56)



- Permeable Cell Culture Insert systems are compatible with a wide range of both adherent and suspension cells
- Ideal for studying many cell types, including but not limited to: endothelial, epithelial, blood, neuronal, and tumor

- 1 Extended rim suspends and centers the insert above the well
- 2 Insert design features openings which allow pipette tip access to the lower compartment
- 3 Permeable membranes are chemically compatible with most histological fixative solutions

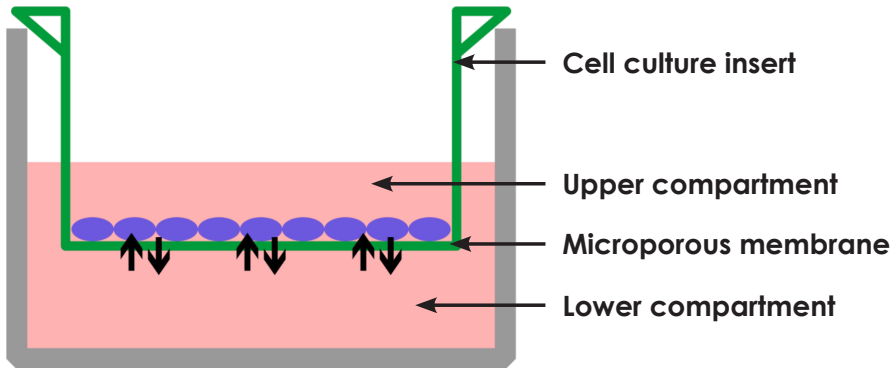
## APPLICATION GUIDELINES

Plate Format	Membrane Diameter	Growth Area	Recommended Well Volume*	Recommended Insert Volume*
6 Well	24mm	4.67cm <sup>2</sup>	2.6mL	1.5mL
12 Well	12mm	1.12cm <sup>2</sup>	1.5mL	0.5mL
24 Well	6.5mm	0.33cm <sup>2</sup>	0.6mL	0.1mL

\*Working volumes are recommendations only; optimize as required for individual protocols



**Add power to your research**  
at an affordable price!



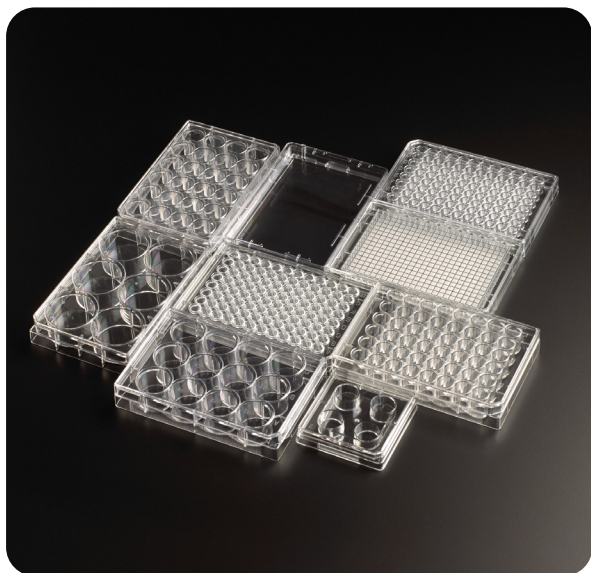
- PC (polycarbonate) membrane is best for cell attachment
- PET (polyethylene) is best for imaging and microscopy
- 0.1µm (NEW) and 0.4µm PET inserts feature clear membranes for excellent cell viewing
- 0.1µm (NEW) and 0.4µm pore sizes are ideal for cell-cell interaction and drug transport studies
- 3.0µm and 8.0µm pore sizes are ideal for angiogenesis, migration, invasion, and chemotaxis experiments

### PERMEABLE CELL CULTURE INSERTS

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

Part No.	Product Description	Membrane Material	Membrane Pore Size	Pack Description	Qty/Case
<b>NEW</b> 230600	Inserts Packed in 6 Well Plate	PC	0.1µm	6 Inserts/Plate, 2 Plates/Case	12
230601	Inserts Packed in 6 Well Plate	PC	0.4µm	6 Inserts/Plate, 2 Plates/Case	12
230603	Inserts Packed in 6 Well Plate	PC	3.0µm	6 Inserts/Plate, 2 Plates/Case	12
230605	Inserts Packed in 6 Well Plate	PC	8.0µm	6 Inserts/Plate, 2 Plates/Case	12
<b>NEW</b> 230606	Inserts Packed in 6 Well Plate	PET	0.1µm	6 Inserts/Plate, 2 Plates/Case	12
230607	Inserts Packed in 6 Well Plate	PET	0.4µm	6 Inserts/Plate, 2 Plates/Case	12
230609	Inserts Packed in 6 Well Plate	PET	3.0µm	6 Inserts/Plate, 2 Plates/Case	12
230611	Inserts Packed in 6 Well Plate	PET	8.0µm	6 Inserts/Plate, 2 Plates/Case	12
<b>NEW</b> 230614	Inserts Packed in 12 Well Plate	PC	0.1µm	12 Inserts/Plate, 2 Plates/Case	24
230615	Inserts Packed in 12 Well Plate	PC	0.4µm	12 Inserts/Plate, 2 Plates/Case	24
230617	Inserts Packed in 12 Well Plate	PC	3.0µm	12 Inserts/Plate, 2 Plates/Case	24
230619	Inserts Packed in 12 Well Plate	PC	8.0µm	12 Inserts/Plate, 2 Plates/Case	24
<b>NEW</b> 230620	Inserts Packed in 12 Well Plate	PET	0.1µm	12 Inserts/Plate, 2 Plates/Case	24
230621	Inserts Packed in 12 Well Plate	PET	0.4µm	12 Inserts/Plate, 2 Plates/Case	24
230623	Inserts Packed in 12 Well Plate	PET	3.0µm	12 Inserts/Plate, 2 Plates/Case	24
230625	Inserts Packed in 12 Well Plate	PET	8.0µm	12 Inserts/Plate, 2 Plates/Case	24
<b>NEW</b> 230628	Inserts Packed in 24 Well Plate	PC	0.1µm	12 Inserts/Plate, 2 Plates/Case	24
230629	Inserts Packed in 24 Well Plate	PC	0.4µm	12 Inserts/Plate, 2 Plates/Case	24
230631	Inserts Packed in 24 Well Plate	PC	3.0µm	12 Inserts/Plate, 2 Plates/Case	24
230633	Inserts Packed in 24 Well Plate	PC	8.0µm	12 Inserts/Plate, 2 Plates/Case	24
<b>NEW</b> 230634	Inserts Packed in 24 Well Plate	PET	0.1µm	12 Inserts/Plate, 2 Plates/Case	24
230635	Inserts Packed in 24 Well Plate	PET	0.4µm	12 Inserts/Plate, 2 Plates/Case	24
230637	Inserts Packed in 24 Well Plate	PET	3.0µm	12 Inserts/Plate, 2 Plates/Case	24
230639	Inserts Packed in 24 Well Plate	PET	8.0µm	12 Inserts/Plate, 2 Plates/Case	24

# Non-Treated Multiple Well Plates



## Ideal for suspension cells and benchtop assays

- Polystyrene is optically clear for easy cell viewing and imaging, or for colorimetric assays
- Round bottom option maximizes sample retrieval and allows mixing (Part No. 229590 & 229591)
- Plates are printed with lot number and expiration date for easy identification and tracking
- Sturdy individual blister packs prevent damage when handling or shipping
- Bulk pack option (5/bag) increases efficiency for high volume users, and reduces packaging waste (Part No. 229597)
- Same low evaporation, marking, and stacking design features as Tissue Culture-Treated Multiple Well Plates (see page 53)

### MULTIPLE WELL PLATES — NON-TREATED\*

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

Part No.	Product Description	Bottom Shape	Working Volume	Pack Description	Qty/Case
229501	1 Well Non-treated Plate	Flat	19.5 - 48.7mL	Individual	50
229503	4 Well Non-treated Plate	Flat	0.5 - 0.8mL	Individual	50
229506	6 Well Non-treated Plate	Flat	2 - 8mL	Individual	100
229512	12 Well Non-treated Plate	Flat	2 - 4mL	Individual	100
229524	24 Well Non-treated Plate	Flat	0.5 - 1.5mL	Individual	100
229548	48 Well Non-treated Plate	Flat	0.3 - 1.0mL	Individual	100
229590	96 Well Non-treated Plate	Round	50 - 300µL	Individual	100
229591	96 Well Non-treated Plate without Lid	Round	50 - 300µL	Individual	100
229592	96 Well Non-treated Plate without Lid	Flat	50 - 300µL	Individual	100
229596	96 Well Non-treated Plate	Flat	50 - 300µL	Individual	100
229597	96 Well Non-treated Plate	Flat	50 - 300µL	5/Bag	100
229538	384 Well Non-treated Plate	Flat	15 - 110µL	Individual	50

\*See page 53 for Tissue Culture-Treated Multiple Well Plates

# Vent Filters

NEW



## Protect your aseptic cell culture and vacuum systems

- Protect centralized vacuum systems and pumps from damage by liquid infiltration and contamination
- Barb-barb hose connections are tiered to support a range of tubing diameters
- Hydrophobic PTFE membrane is impervious to aqueous liquids
- Allows aseptic venting in closed systems

### VENT FILTERS

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

Part No.	Membrane Material	Pore Size	Diameter	Sterile	Pack Description	Qty/Case
229730	PTFE	0.22µm	50mm	N	10/Bag	10
229731	PTFE	0.22µm	50mm	Y	10/Bag	10

A CELL CULTURE LAB ESSENTIAL!



# Roller Bottles



Double your cell growth area with expanded surface Roller Bottles



Polystyrene Roller Bottles

- Premium Tissue Culture-Treated Roller Bottles have uniform hydrophilic surface ideal for consistent cell attachment
- Sturdy resin material and robust packaging prevent transit damage
- Five options for growth area from 490cm<sup>2</sup> to 4250cm<sup>2</sup> to fit all your needs
- Vented or non-vented cap for open or closed systems
- Part No. 229385B features cleanroom packaging of bulk sterile bottles within multiple protective dust bags

- 1 Contrasting black graduations are easy to view
- 2 Ribbed design of Expanded Surface Roller Bottle increases surface area and horizontal ribs bathe cells with media more evenly than bottles with vertical ribs
- 3 Large knurled HDPE cap for easy grip

## POLYSTYRENE ROLLER BOTTLES

### ROLLER BOTTLES — TISSUE CULTURE-TREATED AF, S, R/D F, NP, USP, PS

Part No.	Growth Area	Cap Style	Working Volume*	Pack Description	Qty/Case
229382	490cm <sup>2</sup>	Non-Vented	100-150mL	1/Bag	24
229383	490cm <sup>2</sup>	Vented	100-150mL	1/Bag	24
229384	850cm <sup>2</sup>	Non-Vented	170-255mL	1/Bag	12
229385	850cm <sup>2</sup>	Vented	170-255mL	1/Bag	12
229385B	850cm <sup>2</sup>	Vented	170-255mL	20/Bag	40
229375	1700cm <sup>2</sup>	Vented	340-510mL	1/Bag	12

### ROLLER BOTTLES — TCT, EXPANDED SURFACE AF, S, R/D F, NP, USP, PS

229386	1900cm <sup>2</sup>	Non-Vented	170-255mL	1/Bag	12
229387	1900cm <sup>2</sup>	Vented	170-255mL	1/Bag	12
229377	4250cm <sup>2</sup>	Vented	340-515mL	1/Bag	12

### ROLLER BOTTLES — NON-TREATED AF, S, R/D F, NP, USP, PS

229582	1000mL	Non-Vented	100-150mL	1/Bag	24
229584	2000mL	Non-Vented	170-255mL	1/Bag	12

### ROLLER BOTTLES — CAP ONLY AF, S, R/D F, NP, USP, HDPE

229391	NA	Vented	NA	1/Bag	24
--------	----	--------	----	-------	----

## PET ROLLER BOTTLES

### ROLLER BOTTLES — NON-TREATED AF, S, R/D F, NP, USP, PET

Part No.	Growth Area	Cap Style	Working Volume*	Pack Description	Qty/Case
<b>NEW</b> 229334	850cm <sup>2</sup>	Non-Vented	170-255mL	1/Bag	18

## NEW PET ROLLER BOTTLES

- Naturally hydrophilic, suitable for most adherent cell culture
- PET material is impact resistant
- Ink-free, molded graduations



\*Working volumes are recommendations only; optimize as required for individual protocols

# Glass Bottom Cell Culture Dishes & Plates



## Cell imaging made easier!

Obtain ideal results without the distortions caused by plastic surfaces

- Conveniently view live cells without needing to transfer
- Optically clear borosilicate glass bottom is #1.5 thickness
- 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 non-cytotoxic medical adhesive
- Round Cover Glass also available for use with Glass Bottom Plates and Dishes (see below)
- Compatible with bio-coating applications

### DISHES — GLASS BOTTOM TISSUE CULTURE

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

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

### PLATES — GLASS BOTTOM TISSUE CULTURE

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

Part No.	Product Description	Pack Description	Qty/Case
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

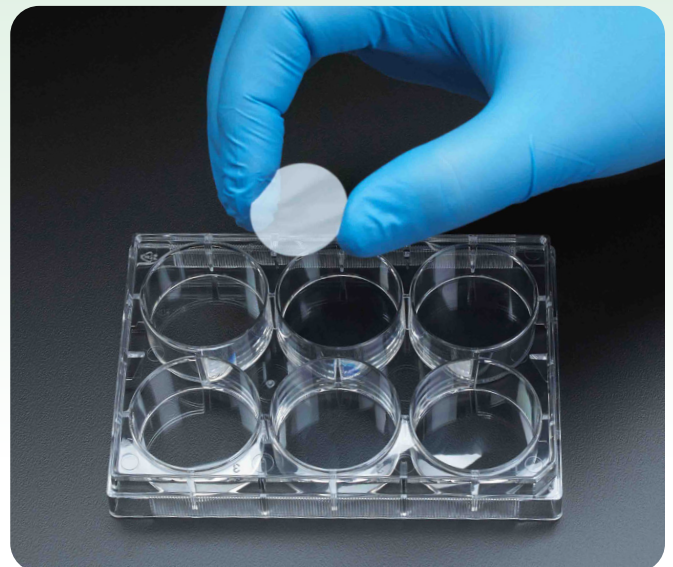
# Round Cover Glass

- High-quality, optically clear borosilicate glass cover slips are ideal for specialty microscopy and imaging with Dishes, Multiple Well Plates or anywhere a square cover glass is unsuitable
- Consistent flatness and scratch-free
- Resistant to organic solvents
- Packaged in a hinged plastic storage case
- Cover Glass is #1.5 thickness

### ROUND COVER GLASS

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

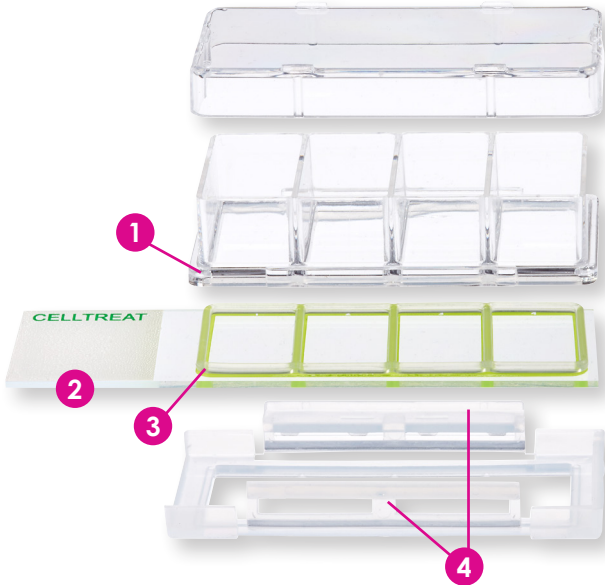
Part No.	Size	Fits	Qty/Case
229172	15mm	24 Well Plate	100
229173	20mm	12 Well Plate or 35mm Dish	100
229174	25mm	6 Well Plate	100



# Chambered Cell Culture Slides



Easy-to-use design!



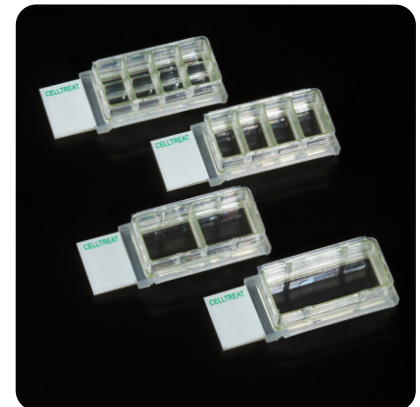
- Grow cells directly on the slide without any need for future transfer; ideal for growing and viewing cells under a microscope on a standard 25mm x 75mm slide
- Uniform hydrophilic surface ideal for consistent cell attachment
- Slides are labeled with numeric markings
- Stackable Slide Tray is specially designed to conveniently and safely move and store slides in CO<sub>2</sub> incubators
- Adhesive free, no separation tool required
- **NEW** Part No. 229169 has no marking spot for increased compatibility with applications requiring solvent

- 1 Integrated silicone gasket prevents cross-contamination between chambers
- 2 Marking spot (excluding Part No. 229169)
- 3 Inert hydrophobic green border printed on slide to define cell culture area
- 4 Chamber holder features easy flip locks for disassembly; no separation tool required

CHAMBERED CELL CULTURE SLIDES		AF, 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
<b>NEW</b> 229169	8 Chamber Cell Culture Slide, No Marking Spot, Glass	6/Tray with 2 Trays/Box	12

SLIDE TRAY		AF, N, A, PP	
Part No.	Product Description	Pack Description	Qty/Case
229167	Slide Tray, White, 8 Place	6/Box	6



\*Part No. 229167 Slide Tray not pictured, see website for image

# Platy The Platypus **NEW**

- Platy is designed to bring optimized happiness to every lab setting
- The platypus is an unusual mammal that lays eggs (eggs not included)
- Features duckbill and beaver tail, significant for evolutionary biology studies
- Duckbill plush dimensions: 50mm x 40mm
- Ideal for lab mascot applications

PLATY THE PLATYPUS		FLUFF	
Part No.	Product Description	Cuddly (Y/N)	Qty/Case
229229	Platy The Platypus	Y	1



# Sealing Films



Premium sealing properties ensure sample integrity and prevent sample loss



Part No. 229136 & 229137

## BREATHABLE SEALING FILM

- Promotes uniform gas exchange, suitable for use with cell culture applications

## FOIL SEALING FILM

- Can be pierced with pipette tips and automated platforms, and withstands temperature extremes

## CLEAR SEALING FILM

- Optically clear, ideal for qPCR applications

## NEW PIERCEABLE SEALING FILM

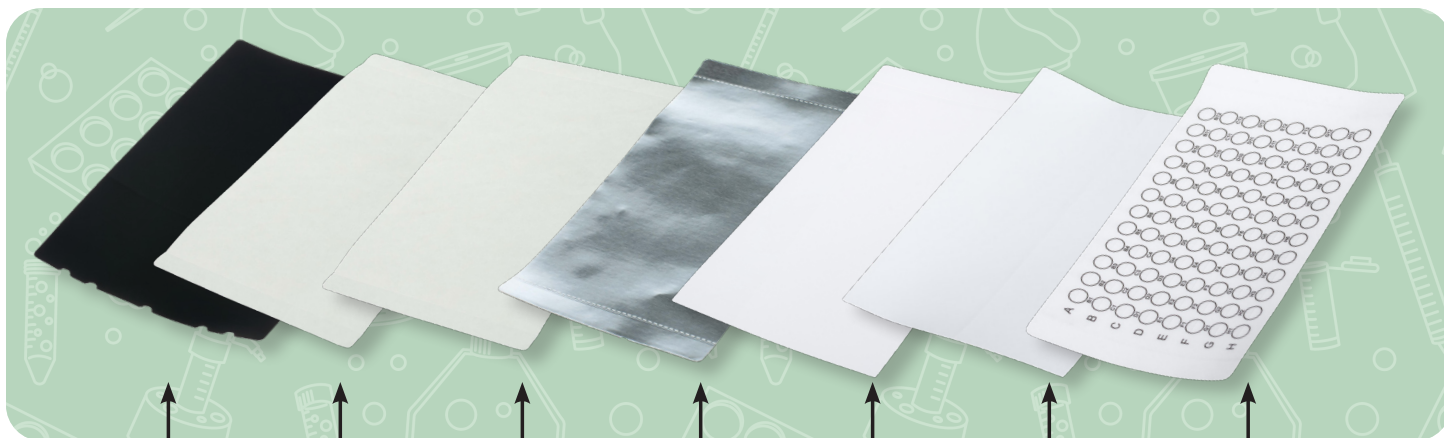
- Pre-cut flaps over each well allow clean pipette tip entry without the risk of adhesive residue contamination

## NEW BLACK AND WHITE SEALING FILM

- Easily cover clear bottom black or white plates to prepare for top-reading analytical equipment

## NEW TRANSPARENT MICROPLATE SEALING FILM

- Protects multiple well microplates from contamination and evaporation, including edge effect



<b>Black</b>	<b>Transparent</b>	<b>Breathable</b>	<b>Foil</b>	<b>Clear</b>	<b>White</b>	<b>Pierceable</b>
Part No. 229141	Part No. 229142 229143	Part No. 229130	Part No. 229132 229133	Part No. 229134 229135	Part No. 229140	Part No. 229136 229137

## SEALING FILMS

AF, R/D F, NP

Part No.	Product Description	Sterile (Y/N)	Temperature Range	Pack Description	Qty/Case
229130	Breathable Sealing Film	Y	-20°C to 80°C	50/Re-sealable Bag	50
229132	Foil Sealing Film	Y	-80°C to 120°C	50/Re-sealable Bag	50
229133	Foil Sealing Film	N	-80°C to 120°C	100/Re-sealable Bag	100
<b>NEW</b> 229134	Clear Sealing Film, Pressure Activated	N	-80°C to 120°C	25/Re-sealable Bag	25
229135	Clear Sealing Film, Adhesive	N	-80°C to 105°C	100/Re-sealable Bag	100
<b>NEW</b> 229136	Pierceable Sealing Film	Y	-40°C to 90°C	50/Re-sealable Bag	50
<b>NEW</b> 229137	Pierceable Sealing Film	N	-40°C to 90°C	100/Re-sealable Bag	100
<b>NEW</b> 229140	Light Enhancing Sealing Film, White	N	-40°C to 80°C	50/Re-sealable Bag	50
<b>NEW</b> 229141	Light Absorbing Sealing Film, Black	N	-40°C to 80°C	50/Re-sealable Bag	50
<b>NEW</b> 229142	Transparent Microplate Sealing Film	Y	-40°C to 120°C	100/Re-sealable Bag	100
<b>NEW</b> 229143	Transparent Microplate Sealing Film	N	-40°C to 120°C	100/Re-sealable Bag	100

# Polypropylene Plates



**Enhanced chemical resistance compared to polystyrene plates**



- 96 Well Polypropylene Plates can be used for the growth of bacterial cultures or storage of compounds
- Round Bottom with round wells enables use with magnetic beads
- V-Bottom maximizes sample retrieval
- 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
- Low profile design for easy sample retrieval

POLYPROPYLENE PLATES					AF, R/D F, NP, USP, A, PP	
Part No.	Product Description	Well Volume	Well Shape	Bottom Shape	Pack Description	Qty/Case
229576	96 Well Plate	0.4mL	Round	Round	10/Bag	50
229577	96 Well Plate	0.36mL	Round	V-Bottom	10/Bag	50

# Deep Well Storage Plates — 48 & 96 Wells

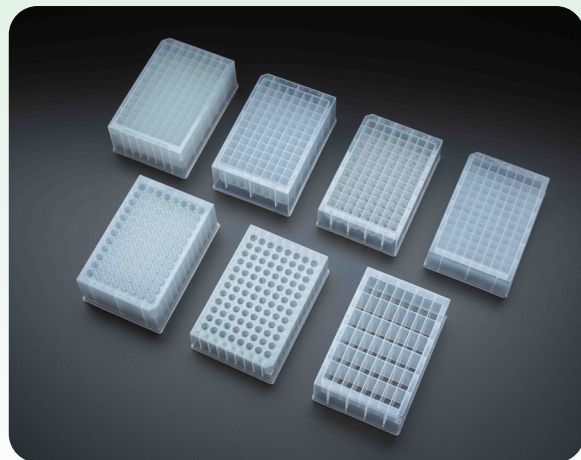
- Deep Well Storage Plates are ideal for the growth of suspension cell cultures or storage of compounds
- Polypropylene offers a low binding surface to prevent samples from sticking to the side walls during elution, and is chemically inert for combinatorial chemistry applications
- Round Bottom plates enable use with magnetic beads

### 48 Well Plates

- Larger, rectangular wells allow for increased volume

### 96 Well Plates

- Square to round transition of V-Bottoms maximize working volume
- Pyramid Bottom maximizes sample retrieval and improves mixing efficiency



DEEP WELL STORAGE PLATES — 48 & 96 WELLS						AF, R/D F, NP, USP, A, PP		
Part No.	Product Description	Max RCF	Well Volume	Well Shape	Bottom Shape	Sterile (Y/N)	Pack Description	Qty/Case
229578	48 Deep Well Storage Plate	4000 x g	4.6mL	Rectangle	U-Bottom	N	5/Bag	25
229570	96 Deep Well Storage Plate	4000 x g	1.0mL	Round	V-Bottom	N	5/Bag	25
229570S	96 Deep Well Storage Plate	4000 x g	1.0mL	Round	V-Bottom	Y	5/Bag	25
229571	96 Deep Well Storage Plate	4000 x g	1.1mL	Square	V-Bottom	N	5/Bag	25
229573	96 Deep Well Storage Plate	4000 x g	1.5mL	Square	Round Bottom	N	5/Bag	25
229572	96 Deep Well Storage Plate	4000 x g	2.0mL	Square	Pyramid Bottom	N	5/Bag	25
229574	96 Deep Well Storage Plate	4000 x g	2.0mL	Square	V-Bottom	N	5/Bag	25
229574S	96 Deep Well Storage Plate	4000 x g	2.0mL	Square	V-Bottom	Y	5/Bag	25
229575	96 Deep Well Storage Plate	4000 x g	2.0mL	Round	Round Bottom	N	5/Bag	25

# FlyTreat™ Drosophila Vials, Bottles & Plugs NEW



Wide Opening PS Vial    Narrow Opening PS Vial



Wide Opening PP Vial



Narrow Opening PP Vial

- Crystal-clear polystyrene vials provide a controlled environment for populations of fruit flies to feed, mate, and lay eggs
- Polypropylene vials are durable and autoclavable
- Designed with a straight wall and flat bottom for easy filling, plugging, and racking in trays
- Safe, lighter, and more economical alternative to traditional glass vials
- Available in bulk packs and convenient tray packs



Convenient tray pack options available

FLYTREAT™ DROSOPHILA VIALS — POLYSTYRENE			AF, N, PS
Part No.	Product Description	Pack Description	Qty/Case
229901	Drosophila Vial, Wide Opening, Tray Packed	100/Tray	500
229902	Drosophila Vial, Wide Opening, Bulk Packed	500/Bag	500
229903	Drosophila Vial, Narrow Opening, Tray Packed	100/Tray	500
229904	Drosophila Vial, Narrow Opening, Bulk Packed	500/Bag	500
FLYTREAT™ DROSOPHILA VIALS — POLYPROPYLENE			AF, N, A, PP
229951	Drosophila Vial, Wide Opening, Tray Packed	100/Tray	500
229952	Drosophila Vial, Wide Opening, Bulk Packed	500/Bag	500
229953	Drosophila Vial, Narrow Opening, Tray Packed	100/Tray	500
229954	Drosophila Vial, Narrow Opening, Bulk Packed	500/Bag	500
FLYTREAT™ DROSOPHILA BOTTLES — POLYPROPYLENE			AF, N, A, PP
229955	Drosophila Bottle, 6oz, Square	500/Bag	500
229956	Drosophila Bottle, 8oz, Round	125/Bag	125*
FLYTREAT™ DROSOPHILA VIAL PLUGS — POLYESTER			AF, N, A, PL
229907	Drosophila Vial Plugs, Polyester, Wide	100/Bag	500
229908	Drosophila Vial Plugs, Polyester, Narrow	100/Bag	500
229909	Drosophila Vial Plugs, Polyester, Bottle	50/Bag	250

\*Available in smaller case quantity to save on shipping costs and prevent transit damage



## Treat your flies to premium housing!



All FlyTreat™ products are suitable for *Drosophila*-based applications, including studies of genetics, developmental biology, pharmacology, disease modeling, behavior, and lifespan.

- Support larger *Drosophila* populations with 6oz and 8oz bottles
- Polypropylene material helps mitigate humidity loss compared to other vessels
- Bottles provide more room for flies to live and move freely, reducing stress and fostering a healthier environment
- Anesthetizing and sorting tasks become easier with more space



8oz Round and 6oz Square *Drosophila* Bottles

- 1 Durable polypropylene construction
- 2 Molded indent helps retain fly media
- 3 Molded graduation lines
- 4 Wide, square base design prevents fly meal from dislodging when inverted



## Plugs effectively prevent mite infiltration



- Breathable polyester plugs minimize mite contamination and fly escape
- Available in three sizes, see plug selection guide for matching plug part numbers

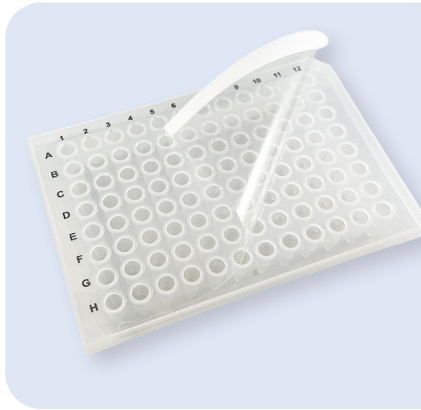
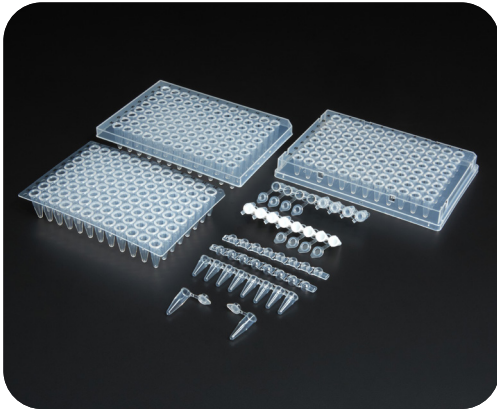
### DIMENSIONS & PLUG SELECTION GUIDE

	Height	Opening Diameter	Plug Part No.
<b>Wide Opening Vials</b>	95mm	28.5mm	229907
<b>Narrow Opening Vials</b>	95mm	25mm	229908
<b>6oz Bottles</b>	103mm	38mm	229909
<b>8oz Bottles</b>	130mm	38mm	229909

# PCR Plates, Strips & Tubes



**Ensure Clean Results!**  
Free of RNase/DNase, DNA,  
and PCR Inhibitors



## PAIR WITH CLEAR SEALING FILMS

- Clear Sealing Films are optically clear, ideal for qPCR applications
- Superior adhesive minimizes evaporation (Part No. 229135)
- Non-tacky silicone adhesive creates a strong bond when pressure is applied (Part No. 229134)

## PCR PLATES

- Wells constructed with ultra-thin walls to provide uniform and efficient heat transfer
- Boldly printed, alphanumeric markings for easy identification of individual wells
- Universal design is compatible with the major brands of thermal cyclers
- Certified RNase/DNase/DNA-free and non-pyrogenic to ensure reliable experimental results
- Available in skirted and non-skirted options
- Raised rim on Part No. 229516 reduces sample evaporation when used with sealing film
- See all Sealing Films on page 60

PCR Plates +  
Clear Sealing  
Films = **the  
perfect pair!**

### PCR PLATES

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

Part No.	Product Description	Max Volume	Height Profile	Pack Description	Qty/Case
229513	96 Well PCR Plate, Half Skirt	0.2mL	High	10/Bag	50
229514	96 Well PCR Plate, No Skirt	0.2mL	High	10/Bag	50
229515	96 Well PCR Plate, Full Skirt	0.1mL	Low	10/Bag	50
229516	96 Well PCR Plate, Raised Half Skirt	0.2mL	High	10/Bag	50

### OPTICALLY CLEAR SEALING FILMS

AF, N, R/D F, NP, USP, PL

Part No.	Product Description	Pack Description	Qty/Case
<b>NEW</b> 229134	Clear Sealing Film, Pressure Activated	25/Re-sealable Bag	25
229135	Clear Sealing Film, Adhesive	100/Re-sealable Bag	100

# Universal Gel Loading Tips

**NEW**



**Easily load samples into gels**

- Round, fine point is ideal for loading samples into electrophoresis gels
- Universal fit is compatible with major brands of pipettes
- Racked tips follow standard spacing for use with multichannel pipettes
- Tips are 83mm long

### UNIVERSAL GEL LOADING TIPS

AF, N, A, PP

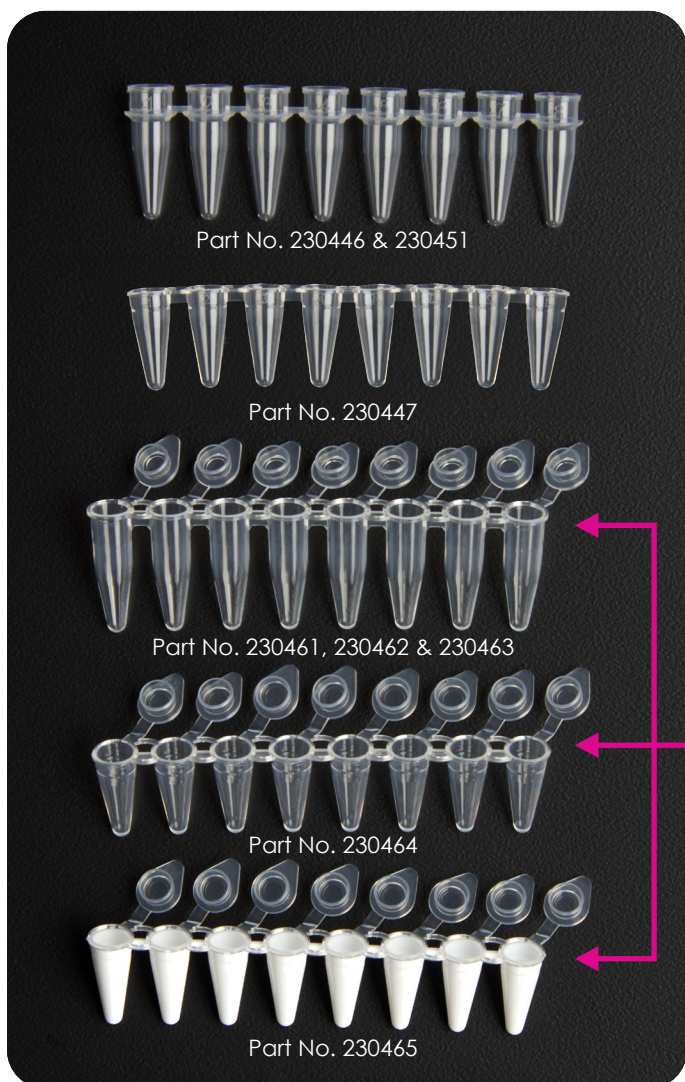
Part No.	Product Description	Filter (Y/N)	Pack Description	Qty/Case
229028	200µL Round Gel Loading Tips	N	96 Tips/Rack	192



## PCR TUBES & STRIPS

- Ultra-thin tube walls provide uniform and efficient heat transfer
- Avoid sample loss from evaporation with easy open and close caps
- Certified RNase/DNase/PCR Inhibitor/DNA-free and non-pyrogenic to ensure reliable experimental results
- Part No. 230461 & 230462 strips feature easily separable tubes to customize strips
- Part No. 230463 strips feature robust inter-well linkages, increasing stability and preventing spills
- White tubes with attached optically clear caps enhance weak fluorescent signals (Part No. 230465)
- All flat caps (excluding Part No. 230455) are optically clear
- Tube only strips feature molded tube numbers
- Part No. 230457 utilizes a specialized resin to provide low retention properties

**Caps can be individually opened or closed!**



PCR STRIP TUBES		AF, N, R/D F, NP, USP, PP
Part No.	Product Description	Pack Description Qty/Case
230461	PCR 8-Strip Tubes, 0.2mL, Separable, Attached Flat Caps, Clear	12/Bag 120
230462	PCR 8-Strip Tubes, 0.2mL, Separable, Attached Dome Caps, Clear	12/Bag 120
230463	PCR 8-Strip Tubes, 0.2mL, Attached Flat Caps, Clear	12/Bag 120
<b>NEW</b> 230464	PCR 8-Strip Tubes, 0.1mL, Attached Flat Caps, Clear	12/Bag 120
<b>NEW</b> 230465	PCR 8-Strip Tubes, 0.1mL, Attached Optically Clear Flat Caps, White Tubes	12/Bag 120
<b>NEW</b> 230446	TUBE ONLY, PCR 8-Strip Tubes, 0.2mL, Clear	125/Bag 125
<b>NEW</b> 230447	TUBE ONLY, PCR 8-Strip Tubes, 0.1mL, Clear	125/Bag 125
<b>NEW</b> 230448	CAP ONLY, PCR 8-Strip Optically Clear Flat Caps	125/Bag 125
<b>NEW</b> 230449	CAP ONLY, PCR 8-Strip Dome Caps, Clear	125/Bag 125
<b>NEW</b> 230451	TUBE & CAP, PCR 8-Strip 0.2mL Tube & Dome Cap	125/Bag, Each 125
PCR INDIVIDUAL TUBES		AF, N, R/D F, NP, USP, PP
230455	PCR Tube, 0.2mL, Frosted Flat Cap, Clear	1000/Bag 1000
230456	PCR Tube, 0.2mL, Optically Clear Flat Cap, Clear	1000/Bag 1000
PCR INDIVIDUAL TUBES, LOW RETENTION		AF, N, R/D F, NP, USP, PP
<b>NEW</b> 230457	PCR Tube, 0.2mL, Low Retention, Flat Cap, Clear	1000/Bag 1000

# Polystyrene Reagent Reservoirs



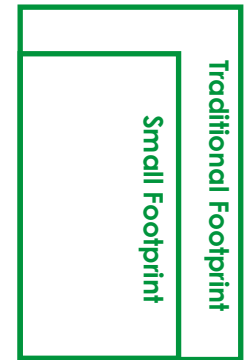
**Superior low retention maximizes reagent recovery** up to 67% better than comparable reservoirs!

- Polystyrene Reagent Reservoirs are designed to facilitate repetitive, manual liquid transfer
- Angled sides and unique “trough-within-a-trough” design funnel liquids to limit dead space and maximize retrieval
- **Ultra low retention results in virtually zero dead volume**
- White color enhances solution visibility
- Reagent Reservoirs feature textured gripping areas on the sides and a nesting design for easy stacking and storage

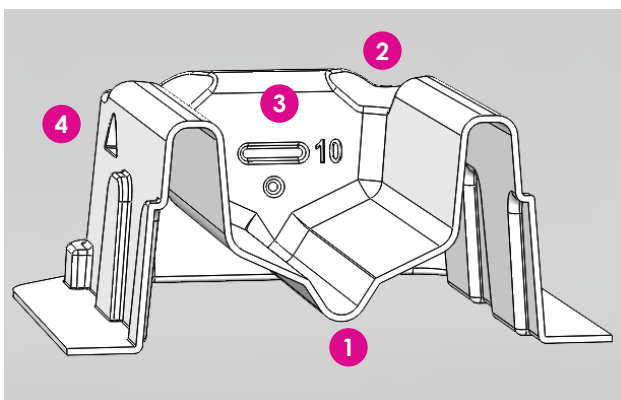
- Clearly marked with PS6 for recycling



To support sustainability, the inner core is comprised of reprocessed resin (excluding 5mL)

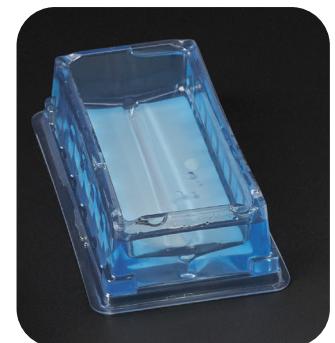


**NEW 50mL Small Footprint (SF) Reservoirs** occupy 26% less surface area than traditional 50mL reservoirs!



Cross section of Reagent Reservoirs (excluding 5mL)

- 1 Trough-within-a-trough design to recover the “last few drops”
- 2 Pour-off spouts at every corner
- 3 Well-marked molded graduations on the inside wall (all sizes except 100mL)
- 4 Corner structures designed for easy bulk package unit separation



100mL Reservoir Cooler  
Part No. 3054-5000

## VISTALAB REAGENT RESERVOIRS — POLYSTYRENE

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

Packaging Description	Sterile (Y/N)	Qty/Case			Divided	NEW		
			10mL	25mL	25mL	50mL	50mL SF	100mL
Bulk Packed	N	100	4054-1012	4054-1002	4054-1004	4054-1006	4054-1006-SF	4054-1000
Bulk Packed	Y	100	3054-1012	3054-1002	3054-1004	3054-1006	3054-1006-SF	3054-1000
Bulk Packed	Y	200	3054-2012	3054-2002	-	3054-2006	-	3054-2000
Individually Wrapped	Y	50	3054-1013	3054-1003	3054-1005	3054-1007	3054-1007-SF	3054-1001
Individually Wrapped	Y	100	3054-2013	3054-2003	-	3054-2007	3054-2007-SF	3054-2001
Individually Wrapped with Lid	Y	50	-	-	-	-	-	3054-3001
Bulk Packed, Lid Only	Y	100	-	-	-	-	-	3054-3000

## VISTALAB REAGENT RESERVOIR COOLER

AF, R/D F, NP, USP, PET

Part No.	Product Description	Pack Description	Qty/Case
3054-5000	Reservoir Cooler for 100mL Reagent Reservoir	1 Cooler + 3 100mL reservoirs with Lids	1



## CELLTREAT Exclusive Product!

5mL Reservoirs utilize every last drop

- Unique square pyramid bottom reservoir design collects liquids so that the last drop can be easily retrieved
- Rectangle reservoir maximizes liquid collection for 8-channel pipettes

### PIPETTE COMPATIBILITY GUIDE

	SINGLE CHANNEL	8-CHANNEL	12-CHANNEL
5mL, Square	✓		
5mL, Rectangle	✓	✓	
10mL	✓	✓	
25mL	✓	✓	✓
50mL	✓	✓	✓
55mL	✓	✓	✓
100mL	✓	✓	✓



Miniature 5mL designs consume less plastic compared to standard sizes



**IMPROVED** Reagent Reservoirs feature upgraded design and low retention properties

CELLTREAT REAGENT RESERVOIRS — POLYSTYRENE, INDIVIDUALLY WRAPPED AF, S, R/D F, NP, USP, PS				
	Part No.	Product Description	Pack Description	Qty/Case
<b>NEW</b>	229288	5mL Reagent Reservoir, Rectangle Shape	Individually Wrapped	80
<b>NEW</b>	229292	5mL Reagent Reservoir, Square Shape	Individually Wrapped	80
<b>IMPROVED</b>	229294	25mL Reagent Reservoir	Individually Wrapped	80
<b>IMPROVED</b>	229290	50mL Reagent Reservoir	Individually Wrapped	80
<b>IMPROVED</b>	229296	55mL Reagent Reservoir	Individually Wrapped	80
<b>IMPROVED</b>	229298	100mL Reagent Reservoir	Individually Wrapped	80
CELLTREAT REAGENT RESERVOIRS — POLYSTYRENE, BULK PACKED AF, S, R/D F, NP, USP, PS				
<b>NEW</b>	229289	5mL Reagent Reservoir, Rectangle Shape	Bulk Packed	200
<b>NEW</b>	229293	5mL Reagent Reservoir, Square Shape	Bulk Packed	200
<b>IMPROVED</b>	229295	25mL Reagent Reservoir	Bulk Packed	200
<b>IMPROVED</b>	229291	50mL Reagent Reservoir	Bulk Packed	200
<b>IMPROVED</b>	229297	55mL Reagent Reservoir	Bulk Packed	200
<b>IMPROVED</b>	229299	100mL Reagent Reservoir	Bulk Packed	200

# Polypropylene Reagent Reservoirs



**Products designed to save you time**

Conserve reagents by using only as many channels as needed

VistaLab™ 12-Channel Reagent Reservoir facilitates manual multichannel pipetting

**EACH WELL HOLDS UP TO 5mL!**



- 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
- 8 & 12 well reservoirs work well with multiple-channel pipettes and are available sterile or non-sterile
- Low profile is ideal for small volume robotic tips
- Can be stored at temperatures as low as -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

## CELLTREAT REAGENT RESERVOIRS — POLYPROPYLENE

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

Part No.	Product Description	Sterile (Y/N)	Pack Description	Qty/Case
229561	Multiple Cavity Reagent Reservoir, 8 Well, Trough Bottom	N	5/Bag	25
229565	Multiple Cavity Reagent Reservoir, 8 Well, Trough Bottom	Y	5/Bag	25
229562	Multiple Cavity Reagent Reservoir, 12 Well, Trough Bottom	N	5/Bag	25
229566	Multiple Cavity Reagent Reservoir, 12 Well, Trough Bottom	Y	5/Bag	25
229563	Single Cavity Reagent Reservoir, 96 Pyramid Bottom	N	5/Bag	25
229564	Single Cavity Reagent Reservoir, 384 Pyramid Bottom	N	5/Bag	25

## VISTALAB REAGENT RESERVOIRS — POLYPROPYLENE

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

Part No.	Product Description	Sterile (Y/N)	Pack Description	Qty/Case
3054-1010	12-Channel Reagent Reservoir with Lid	Y	Individual	10
3054-1011	12-Channel Reagent Reservoir with Lid	Y	Individual	25
4054-1010	12-Channel Reagent Reservoir with Lid	N	10/Bag	10
4054-1011	12-Channel Reagent Reservoir with Lid	N	25/Bag	25

# Ovation<sup>®</sup> Pipettes solve the largest ergonomic risk in the lab!



The ultimate answer for comfortable pipetting is just a handshake away



Audible click tip attachment, click and go with confidence!

Adjustable hook accommodates left- or right-handed operation

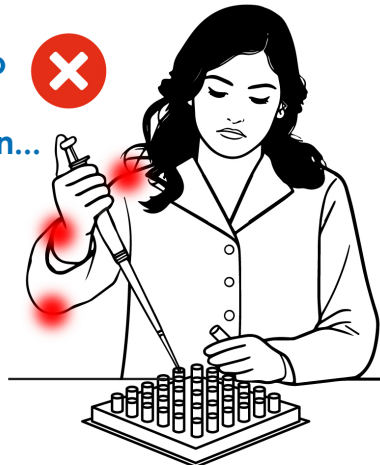
Spring-loaded tip ejection is fast and efficient

Digital display with electronic functions remember your frequently used volumes

Self-standing design features a Micro Tube cap opener

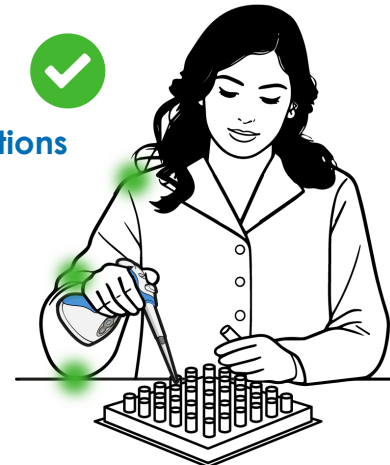


Say goodbye to repetitive strain injuries and pain...



Traditional Pipettes

...say hello to comfortable, natural operations



Ovation<sup>®</sup> Pipettes

# Ovation® Pipettes



You deserve a standing Ovation!



## OVATION® M MECHANICAL ADJUSTABLE VOLUME

### Simplified Pipetting

**Uncomplicated:** Easily dial in volumes manually

**Comfort:** Low force plunger and spring-loaded tip ejector button



## OVATION® QS QUICK SET DIGITAL VOLUME

### Save Time With Customization

**Precise:** Key in exact volumes with digital display

**Convenient:** Easily switch among 5 customizable volume presets

### OVATION® M MECHANICAL

Part No.	Volume	Tip Fit Size	Color
1070-0002	0.2 - 2µL	VL Micro 2/25µL	Red
1070-0010	1 - 10µL	VL Micro 25µL	Orange
1070-0020	2 - 20µL	VL Micro 25µL	Yellow
1070-0100	10 - 100µL	VL Small 250µL	Green
1070-0200	20 - 200µL	VL Small 250µL	Blue
1070-1000	100 - 1000µL	VL Large 1250µL	Purple

### MULTIPLE UNIT PACKAGES

1070-0998	10, 100, 1000µL (3 Units)	Multi	Multi
1070-0999	2, 20, 200, 1000µL (4 Units)	Multi	Multi

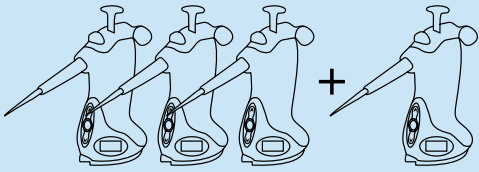
### OVATION® QS QUICK-SET

Part No.	Volume	Tip Fit Size	Color
1057-0002	0.2 - 2µL	VL Micro 2/25µL	Red
1057-0010	1 - 10µL	VL Micro 25µL	Orange
1057-0020	2 - 20µL	VL Micro 25µL	Yellow
1057-0100	10 - 100µL	VL Small 250µL	Green
1057-0200	20 - 200µL	VL Small 250µL	Blue
1057-1000	100 - 1000µL	VL Large 1250µL	Purple

### MULTIPLE UNIT PACKAGES

1057-0999	20, 200, 1000µL (3 Units)	Multi	Multi
-----------	------------------------------	-------	-------

See all compatible Pipette Tips  
on pages 73 - 74



## BUY ANY 3 OVATION® UNITS, GET A 4TH FREE\*

\*Free unit must be of equal or lesser value than the average total purchase price



### OVATION® ESC ELECTRONIC SINGLE CHANNEL

#### Superior Performance

**Reduce Labor:** Programmable functions, including multi-dispense, mixing, serial dilution, and more

**Ergonomic:** Plunger operation does not require mechanical force

#### OVATION® ESC ELECTRONIC SINGLE CHANNEL

Part No.	Volume	Tip Fit Size	Color
1065-0020	0.5 - 20µL	VL Micro 25µL	Yellow
1065-0125	2 - 125µL	VL Small 250µL	Green
1065-0250	5 - 250µL	VL Small 250µL	Blue
1065-1250	25 - 1250µL	VL Large 1250µL	Purple
1065-05ML	0.1 - 5mL	VL Macro 5mL	Gray
1065-10ML	0.2 - 10mL	VL Macro 10mL	Red

- Ovation Stand (Part No. 9057-4003) and full list of Maintenance Parts for all models available online



### OVATION® EMC ELECTRONIC MULTICHANNEL

#### Maximize Efficiency

**High Throughput:** Process multiple well plates accurately and efficiently, with all the same convenient functions as the ESC model

#### OVATION® EMC ELECTRONIC MULTICHANNEL

Part No.	No. of Channels	Volume	Tip Fit Size	Color
1160-0020	8	0.5 - 20µL	VL Micro 25µL	Yellow
1160-0125	8	2 - 125µL	VL Small 250µL	Green
1160-0250	8	5 - 250µL	VL Small 250µL	Blue
1160-1250	8	25 - 1250µL	VL Large 1250µL	Purple
1060-0020	12	0.5 - 20µL	VL Micro 25µL	Yellow
1060-0125	12	2 - 125µL	VL Small 250µL	Green
1060-0250	12	5 - 250µL	VL Small 250µL	Blue
1060-0850	12	25 - 850µL	VL Large 1250µL	Gray



Every VistaLab Pipette Tip and equipment purchase earns VistaPoints, learn more on page 102

# MLA™ & Ovation® Pipette Tips



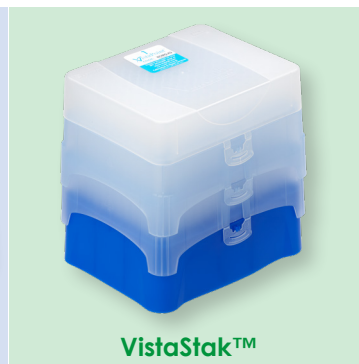
- Precision engineered to maximize the exceptional performance and benefits of Ovation® and MLA™ pipettes for a superior, ergonomic pipetting experience
- All VistaLab pipettes are calibrated with VistaLab tips to provide a perfect fit and deliver accurate performance every time
- Universal Fit Pipette Tips also available (see pages 78-81)

Find the packaging option that works best for your application!



**VistaRak™**

Optimized design with  
192/Rack



**VistaStak™**

Convenient layers save  
bench and shelf space  
192/Layer



**Stacked Rack**

Maximize space with  
dense layered racks  
200/Layer



**Protectainer™**

Stackable and reusable  
plastic container  
Small 1000/Container  
Large 375/Container (x2)

## MLA™ & OVATION® PIPETTE TIPS

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

Tip Size	Non-Filter	Filter
Micro 2µL	NA	
Micro 25µL		
Small 250µL		
Large 1250µL		



Several convenient packaging options are available



Every VistaLab Pipette Tip and equipment purchase earns VistaPoints, learn more on page 102

NON-FILTER TIPS		
Tip Size	Packaging	Non-Sterile
Micro 25µL	VistaRak™ 192 Tips/Rack 960/Case	4060-1002
	VistaStak™ 192 Tips/Layer 576/Case	4060-9024
	VistaBulk™ 1000 Tips/Bag 1000/Case	4058-1000
Small 250µL	VistaRak™ 192 Tips/Rack 960/Case	4060-2004
	VistaStak™ 192 Tips/Layer 960/Case	4060-9025
	Stacked Rack 200 Tips/Layer 5 Layers 1000/Case	9025 <sup>1</sup>
	VistaBulk™ 1000 Tips/Bag 1000/Case	4058-2000
	Protectainer™ 1000 Tips/Container 1000/Case	4025
Large 1250µL	VistaRak™ 192 Tips/Rack 960/Case	4060-3004
	VistaStak™ 192 Tips/Layer 576/Case	4060-9026
	Stacked Rack 200 Tips/Layer 3 Layers 600/Case	9026 <sup>1</sup>
	VistaBulk™ 1000 Tips/Bag 1000/Case	4058-3000
	Protectainer™ 375 Tips/Container 750/Case	4026

NON-FILTER TIPS				
Tip Size	Packaging	Sterile Low Retention	Sterile	Non-Sterile Low Retention
Micro 25µL	VistaRak™ 192 Tips/Rack 960/Case	4070-1032LR	4060-1032	4070-1002LR
Small 250µL	VistaRak™ 192 Tips/Rack 960/Case	4070-2332LR	4060-2132	4070-2004LR
	VistaTip™ Individually Wrapped 200/Case	-	2027	-
Large 1250µL	VistaRak™ 192 Tips/Rack 960/Case	4070-3332LR	4060-3132	4070-3004LR
	VistaTip™ Individually Wrapped 200/Case	-	2028	-

FILTER TIPS			
Tip Size	Packaging	Sterile Low Retention	Sterile
Micro 2µL	VistaRak™ 192 Tips/Rack 960/Case	4070-1333LR	4060-1333
Micro 25µL	VistaRak™ 192 Tips/Rack 960/Case	4070-1332LR	4060-1332
Small 250µL	VistaRak™ 192 Tips/Rack 960/Case	4070-2332LR	4060-2332
Large 1250µL	VistaRak™ 192 Tips/Rack 960/Case	4070-3332LR	4060-3332

**POPULAR CHOICES ARE HIGHLIGHTED!**

See compatible MLA™ and Ovation® equipment on pages 69 - 71 and 75 - 77

<sup>1</sup> Not for use with Ovation® Multichannel pipettes

Match the tip size descriptions for Oventions and match color codes for MLAs to help select the correct pipette tips

# MLA™ & Ovation® Pipette Tips — Macro



- 5mL and 10mL VistaLab Macro Pipette Tips are designed for a perfect fit with Ovation® and MLA™ equipment
- Deliver accurate volumes up to 10mL
- Available with or without filters
- Select convenient racked options or economical bulk bags
- Match color-code to compatible MLA™ and Ovation® equipment on pages 71 and 77

## VISTALAB MACRO TIPS — 5mL

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

	Part No.	Product Description	Tip Fit Size	Filter (Y/N)	Sterile (Y/N)	Pack Description	Qty/Case
<b>MOST POPULAR</b>	9048	5mL Tips, Box	VL 5mL	N	N	100 Tips/Box	100
	4058-5000	5mL Tips, VistaBulk™	VL 5mL	N	N	250 Tips/Bag	250
	4058-5102	5mL Tips, VistaClear™ Box	VL 5mL	N	Y	60 Tips/Box	60
	4058-5133	5mL Tips, VistaClear™ Box	VL 5mL	Y	Y	60 Tips/Box	60
	4058-5332	5mL Tips, VistaTip™	VL 5mL	Y	Y	Individual	50

## VISTALAB MACRO TIPS — 10mL

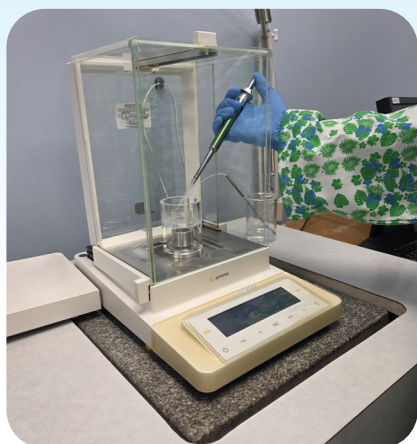
AF, R/D F, NP, USP, PP

	9050	10mL Tips, Box	VL 10mL	N	N	35 Tips/Box	35
<b>MOST POPULAR</b>	4058-6000	10mL Tips, VistaBulk™	VL 10mL	N	N	100 Tips/Bag	100
	4058-6100	10mL Tips, VistaClear™ Box	VL 10mL	N	N	35 Tips/Box	35
	4058-6102	10mL Tips, VistaClear™ Box	VL 10mL	N	Y	35 Tips/Box	35
	4058-6133	10mL Tips, VistaClear™ Box	VL 10mL	Y	Y	35 Tips/Box	35
	4058-6332	10mL Tips, VistaTip™	VL 10mL	Y	Y	Individual	50

## Calibration & Repair



Don't trust your lab's credibility to the limitations of portable lab calibration service providers



### ALL-STAR CALIBRATION & REPAIR

- ★ Newly renovated lab with ISO 17025 Comprehensive Calibration Certificate
- ★ 40+ Years of Service
- ★ Preventive Maintenance-Performance Verification
- ★ Fast Turnaround Time and Competitive Upfront Pricing
- ★ Repairs Completed with Original Manufacturer Parts
- ★ VistaPoints can be used for Calibration services



A variety of calibration service levels are available to meet the unique needs of every lab, scan QR code for detailed information

### VISTALAB REPAIR & WARRANTY

- Repair service can be added to any calibration service
- All repairs are performed using original manufacturer's parts
- 90 day warranty on all services performed on MLA™ and Ovation® pipettes, and a 1 year warranty on parts

### CALIBRATION & REPAIR ADDRESS

VistaLab Technologies  
60 Jon Barrett Road  
Patterson, NY 12563  
Phone: 888.652.6520  
TechService@celltreat.com

# MLA™ Pipettes



Trust MLA™ Pipettes to deliver highly accurate and reproducible results

Fixed volume MLAs are ideal for applications where repeatability is critical, such as quality control and clinical lab settings

- Made of precision engineered aluminum alloy and stainless steel, with a modern, sleek, anodized metal finish
- Dependable performance and durability designed for highly accurate delivery
- Color coded body for easy volume identification and individually serialized with Calibration Certificate included
- Limited Lifetime Warranty (covering parts)
- Custom designs and volumes are available, please contact us for information

- 1 Most MLA models function as single-stroke “to deliver” pipettes
- 2 MLAs feature laser-etched volume and serial number
- 3 Full metal construction is virtually indestructible
- 4 D-Tipper models feature a sliding sheath to eject used tips
- 5 Compatible with VistaLab MLA tips (see pages 72-74)



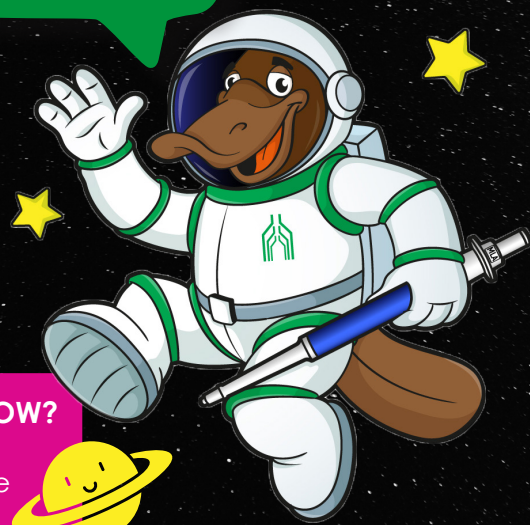
## MLA PIPETTE STAND

- Organize and display up to 10 MLA Pipettes
- Compatible with MLA Macro Pipettes



MLA Pipette Stand Part No. 1700

MLA D-Tipper Pipettes:  
Compact, precision  
metal design

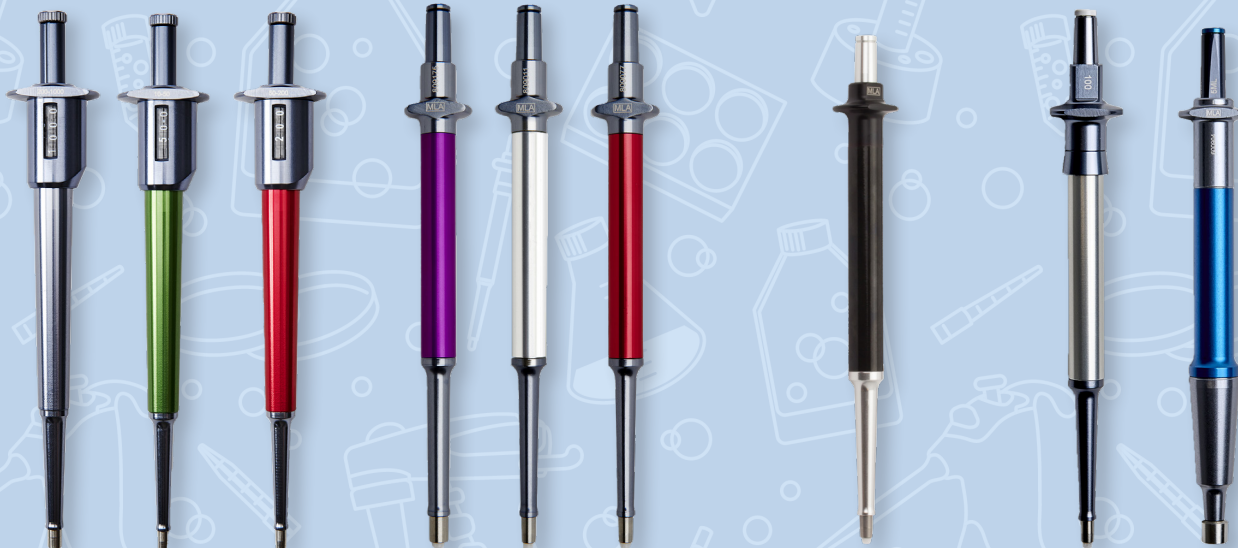


### DID YOU KNOW?

MLAs were brought to the International Space Station!



# MLA™ Pipettes Selection Guide



## DIGITAL DIAL

- Built-in tip ejector
- Dial-in adjustable volumes
- Precise “click-stop” volume dial

## PRECISION

- The original “Classic Model” MLA Pipette
- Fixed volumes from 5-1000 $\mu$ L

## MICRO

- Built-in tip ejector
- Fixed volumes from 2-10 $\mu$ L
- Two-stroke “to contain” operation

## SELECTABLE

*D-Tipper Model:*

- Built-in tip ejector
- Select from volumes: 50/100/200 $\mu$ L

*Macro Model:*

- Select from volumes: 2/3/4/5mL



**MOST POPULAR!**

## D-TIPPER

- Built-in tip ejector
- Fixed volumes from 5-1000 $\mu$ L
- Glove guard

## ADJUSTABLE

- Adjustable volumes from 1-5mL
- 0.1mL increments

## MACRO

- Fixed volumes from 1-10mL
- Compatible with VistaLab Macro Pipette Tips (see page 74)

## BOW TIE

- Accurate by design, dapper by choice!

MLA PRECISION			
Tip Size	MLA Part No.	Volume	Color
Small 250µL	1101	5µL	Silver
	1021	10µL	Orange
	1102	15µL	Silver
	1022	20µL	Black
	1023	25µL	White
	1103	30µL	Silver
	1104	40µL	Silver
	1024	50µL	Green
	1106	60µL	Silver
	1107	70µL	Silver
	1108	75µL	Silver
Large 1250µL	1025	100µL	Blue
	1111	120µL	Silver
	1112	150µL	Silver
	1026	200µL	Red
	1027	250µL	Purple
	1028	300µL	Brown
	1113	400µL	Silver
	1119	450µL	Silver
	1029	500µL	Yellow
	1115	600µL	Silver
	1505	700µL	Silver
	1117	800µL	Silver
1118	900µL	Silver	
1030	1000µL	Gray	

MLA D-TIPPER			
Tip Size	MLA Part No.	Volume	Color
Small 250µL	1141C	5µL	Silver
	1051C	10µL	Orange
	1051PK	10µL	Pink
	1142C	15µL	Silver
	1052C	20µL	Black
	1052PK	20µL	Pink
	1053C	25µL	White
	1143C	30µL	Silver
	1144C	40µL	Silver
	1054C	50µL	Green
	1054PK	50µL	Pink
	1146C	60µL	Silver
	1147C	70µL	Silver
	1148C	75µL	Silver
	1149C	80µL	Silver
	1150C	90µL	Silver
	1055C	100µL	Blue
	1055PK	100µL	Pink
	Large 1250µL	1151C	120µL
1152C		150µL	Silver
1056C		200µL	Red
1056PK		200µL	Pink
1056CLT		200µL	Red
1057C		250µL	Purple
1057PK		250µL	Pink
1058C		300µL	Brown
1153C		400µL	Silver
1154C		450µL	Silver
1059C		500µL	Yellow
1059PK		500µL	Pink
1159C	600µL	Silver	
1162C	700µL	Silver	
1157C	750µL	Silver	
1160C	800µL	Silver	
1163C	900µL	Silver	
1060C	1000µL	Gray	
1060PK	1000µL	Pink	

MLA D-TIPPER SELECTABLE			
Tip Size	MLA Part No.	Volume	Color
	1132	50/100/200µL	Silver

MLA MICRO D-TIPPER			
Tip Size	MLA Part No.	Volume	Color
Small 250µL	1802	2µL	Red
	1803	3µL	Gray
	1804	4µL	White
	1805	5µL	Silver
	1806	6µL	Green
	1807	7µL	Purple
	1808	8µL	Black
	1809	9µL	Blue
	1810	10µL	Orange

MLA DIGITAL - DIAL ADJUSTABLE			
Tip Size	MLA Part No.	Volume	Color
SM	1136	10-50µL	Green
	1137	50-200µL	Red
LG	1138	200-1000µL	Gray

MLA MACRO			
Tip Size	MLA Part No.	Volume	Color
VL 5mL	1065	1mL	Gray
	1066	2mL	Red
	1067	3mL	Green
	1068	4mL	White
	1069	5mL	Yellow
	VL 10mL	1076	6mL
1077		7mL	Red
1078		8mL	Red
1079		9mL	Red
1070	10mL	Red	
MLA MACRO - SELECTABLE			
	1134	2-5mL	Blue
MLA MACRO - ADJUSTABLE			
	1061	1-5mL	Blue



Special edition pink MLAs support breast cancer research



Match the color codes to help select the correct MLA pipette tip on pages 73 and 74

# Universal Pipette Tips



High performance with exceptional value



- CELLTREAT Scientific Products Pipette Tips offer a perfected balance between raw materials and efficient manufacturing processes, resulting in superior low retention properties
- Pipette Tips have smooth, hydrophobic surfaces to ensure accurate pipetting
- Multiple Pipette Tip sizes 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
- Pipette Tip Racks feature hinged lids that are designed for easy one-handed opening, making it easier to access repeatedly

- 1 Pipette Tips are universal fit and compatible with major pipettes
- 2 Polyolefin filters reduce cross contamination and prevent aerosols from penetrating into the pipette
- 3 Molded volume reference markings
- 4 Fine tip for improved accuracy and precision



## Universal Pipette Tips — Racked, Non-Sterile NEW

- Non-sterile Pipette Tips are an economical option compared to sterile tips and conveniently pre-racked
- Pipette Tips and racks are fully autoclavable



### PIPETTE TIPS IN RACK — NON-STERILE AF, N, R/D F, NP, USP, A, PP



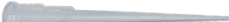

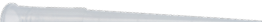

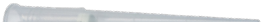


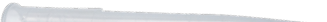

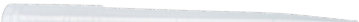
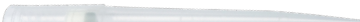

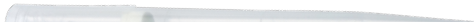


Part No.	Product Description	Sterile (Y/N)	Filter (Y/N)	Pack Description	Qty/Case
229032NS	10µL Pipette Tips	N	N	96 Tips/Rack	960
229033NS	10µL XL Pipette Tips*	N	N	96 Tips/Rack	960
229034NS	200µL Pipette Tips	N	N	96 Tips/Rack	960
229035NS	300µL Pipette Tips	N	N	96 Tips/Rack	960
229036NS	1000µL Pipette Tips	N	N	96 Tips/Rack	960
229037NS	1000µL XL Pipette Tips*	N	N	96 Tips/Rack	960

\*XL denotes Extended Length

# Universal Pipette Tips — Racked, Sterile



**Superior low retention  
& fine tip!**

Tip Size	Low Retention	Low Retention, Filter
10µL	 229032, 229032NS	 229015
10µL Extended Length	 229033, 229033NS	 229016
20µL	 229034, 229034NS	 229017
100µL	NA	 229018
200µL	 229034, 229034NS	 229019
300µL	 229035, 229035NS	 229020
1000µL	 229036, 229036NS	 229021
1000µL Extended Length	 229037, 229037NS	 229022
1250µL	 229037, 229037NS	 229023

## PIPETTE TIPS IN RACK — STERILE

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

Part No.	Product Description	Sterile (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 IN RACK — FILTER, STERILE

AF, 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
<b>NEW</b> 229023	1250µL Pipette Tips	Y	Y	96 Tips/Rack	960

# Universal Pipette Tips — Reload & Bulk



## Improved rack design facilitates Reload System wafer placement

- 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 and save time by refilling empty racks
- Non-sterile and autoclavable

### PIPETTE TIPS — LOW RETENTION, RELOAD SYSTEM AF, N, R/D F, NP, USP, A, PP

Part No.	Product Description	Sterile (Y/N)	Filter (Y/N)	Pack Description	Qty/Case
229052	10µL Reload System	N	N	960 Tips/Reload System	1920
<b>NEW</b> 229053	10µL Reload System, Extended Length	N	N	960 Tips/Reload System	1920
229054	200µL Reload System	N	N	960 Tips/Reload System	1920
229055	300µL Reload System	N	N	960 Tips/Reload System	1920
229056	1000µL Reload System	N	N	480 Tips/Reload System	1920
229057	1000µL Reload System, Extended Length	N	N	480 Tips/Reload System	1920

### BULK PACKED & EMPTY RACKS

- Bulk tips offer an economical refill solution
- Non-sterile, bulk pipette tips are available in unique self-standing, resealable bags
- Pipette tips have smooth surfaces to ensure accurate pipetting
- Molded volume reference markings offer a quick double check opportunity
- Empty racks are available with a wafer to allow refill from bulk packed pipette tips (see below)

### PIPETTE TIPS — BULK PACKED, NO FILTER AF, N, R/D F, NP, USP, A, PP

Part No.	Product Description	Sterile (Y/N)	Filter (Y/N)	Pack Description	Qty/Case
229042	10µL Pipette Tips	N	N	1000/Re-sealable Bag	5000
229043	10µL XL Pipette Tips*	N	N	1000/Re-sealable Bag	5000
229044	200µL Pipette Tips	N	N	1000/Re-sealable Bag	5000
229047	1000µL Pipette Tips	N	N	1000/Re-sealable Bag	5000
229049	1000µL XL Pipette Tips*	N	N	1000/Re-sealable Bag	5000

\*XL denotes Extended Length

### EMPTY PIPETTE TIP RACKS — WITH & WITHOUT WAFER AF, N, A, PP

Tip Size	Color	Racks for Bulk Tips (Wafer Included)	Racks for Reload System (No Wafer Included)	Qty/Case
10µL/10µL Extended Length	Red	229065	229060	20
200µL/300µL	Yellow	229066	229061	20
1000µL	Blue	229067	229062	20
1000µL Extended Length	Blue	229068	229063	20

# Adjustable Pipettes

- Traditional design pipettes with easy-to-read volume display
- Continuously adjustable with locking ring to prevent volume changes while pipetting
- Lightweight design and easy operation with either hand
- Stainless steel, PTFE and PVDF components for long life
- Can be autoclaved up to 6 times
- Fits CELLTREAT brand Universal Pipette Tips for accurate pipetting (see pages 78 - 81)



**NEW** Macro Volume Pipettes



## ADJUSTABLE PIPETTES

Part No.	Product Description	Pack Description	Qty/Case
230299	1-10 $\mu$ L Pipette, Adjustable Volume, Single Channel	1/Box	1
230300	2-20 $\mu$ L Pipette, Adjustable Volume, Single Channel	1/Box	1
230305	20-200 $\mu$ L Pipette, Adjustable Volume, Single Channel	1/Box	1
230306	30-300 $\mu$ L Pipette, Adjustable Volume, Single Channel	1/Box	1
230310	100-1000 $\mu$ L Pipette, Adjustable Volume, Single Channel	1/Box	1
<b>NEW</b> 230313	1-5mL Pipette, Adjustable Volume, Single Channel	1/Box	1
<b>NEW</b> 230314	1-10mL Pipette, Adjustable Volume, Single Channel	1/Box	1

# Universal Pipette Tips — Macro



**Macro Pipette Tips**  
Accurately transfer volumes from 1 to 10mL

## MACRO PIPETTE TIP SELECTION GUIDE

Tip Size	No Filter	Filter
5mL	 229039, 229046	 229024
10mL	 229040, 229050	 229025

*\*Not actual size*

- Accurate transfer of larger volumes of media and solutions
- Universal fit is compatible with a range of popular pipettes
- More precise than serological pipets for volumes of 1 to 10mL
- Tips have molded graduations, with 0.5mL increments (excluding Part No. 229040)

## PIPETTE TIPS IN RACK — NO FILTER

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

Part No.	Product Description	Sterile (Y/N)	Filter (Y/N)	Pack Description	Qty/Case
229039	5mL Pipette Tips	Y	N	24 Tips/Rack	144
229040	10mL Pipette Tips	Y	N	24 Tips/Rack	144

## PIPETTE TIPS IN RACK — FILTER

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

<b>NEW</b> 229024	5mL Pipette Tips	Y	Y	50 Tips/Rack	100
<b>NEW</b> 229025	10mL Pipette Tips	Y	Y	25 Tips/Rack	125

## BULK PIPETTE TIPS — NO FILTER

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

<b>NEW</b> 229046	5mL Pipette Tips	N	N	250 Tips/Bag	250
<b>NEW</b> 229050	10mL Pipette Tips	N	N	100 Tips/Bag	100



# Low-force Tip Solution Pipette Tips (LfTS)



## Compatible with popular Low-force Tip Solution pipettes

- Designed to provide a low-force tip solution for a more comfortable pipetting experience; less force needed to acquire tips
- Pipette tips are packaged in racks with hinged lids designed for easy one-handed opening
- 10µL extended length tips feature a max volume of 20µL, and are compatible with 2, 10 and 20µL pipettes
- Fine tip for improved accuracy and precision
- Filter tips are fitted with a polymer barrier to reduce the risk of contamination and prevent aerosols from penetrating into the pipette
- For Universal Fit Pipette Tips, see pages 78 - 81



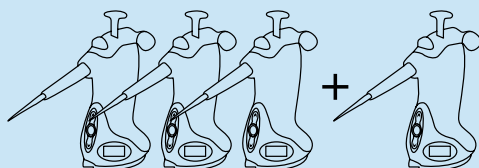
Color coded by volume!

LfTS PIPETTE TIPS — FILTER				AF, S, R/D F, NP, USP, PP			
CELLTREAT Part No.	VistaLab Part No.	Product Description	Sterile (Y/N)	Filter (Y/N)	Pack Description	Qty/Case	
229071	4080-1332	10µL XL LfTS Fit Pipette Tips*	Y	Y	96 Tips/Rack	960	
229072	4080-2332	200µL LfTS Fit Pipette Tips	Y	Y	96 Tips/Rack	960	
<b>NEW</b>	229081	4080-2333	300µL LfTS Fit Pipette Tips	Y	Y	96 Tips/Rack	960
229073	4080-3332	1000µL LfTS Fit Pipette Tips	Y	Y	96 Tips/Rack	960	
<b>NEW</b>	229082	4080-3333	1200µL LfTS Fit Pipette Tips	Y	Y	96 Tips/Rack	960
LfTS PIPETTE TIPS — NON-FILTER				AF, S, R/D F, NP, USP, A, PP			
229074	4080-1032	10µL XL LfTS Fit Pipette Tips*	Y	N	96 Tips/Rack	960	
229075	4080-2032	200µL LfTS Fit Pipette Tips	Y	N	96 Tips/Rack	960	
<b>NEW</b>	229083	4080-2033	300µL LfTS Fit Pipette Tips	Y	N	96 Tips/Rack	960
229076	4080-3032	1000µL LfTS Fit Pipette Tips	Y	N	96 Tips/Rack	960	
<b>NEW</b>	229084	4080-3033	1200µL LfTS Fit Pipette Tips	Y	N	96 Tips/Rack	960
LfTS PIPETTE TIPS — NON-FILTER, NON-STERILE				AF, N, R/D F, NP, USP, A, PP			
<b>NEW</b>	229074NS	NA	10µL XL LfTS Fit Pipette Tips*	N	N	96 Tips/Rack	960
<b>NEW</b>	229075NS	NA	200µL LfTS Fit Pipette Tips	N	N	96 Tips/Rack	960
<b>NEW</b>	229076NS	NA	1000µL LfTS Fit Pipette Tips	N	N	96 Tips/Rack	960

\*XL denotes Extended Length



The LfTS tips feature a pliable mounting end that significantly reduces the force required for tip acquisition. This results in a smoother, more comfortable pipetting experience without compromising accuracy or precision.



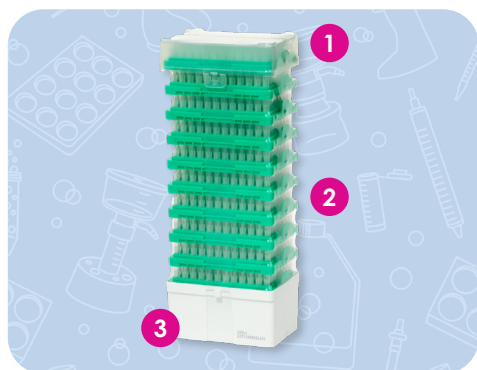
**BUY ANY 3 OVATION® UNITS, GET A 4TH FREE\***

\*Free unit must be of equal or lesser value than the average total purchase price



# Low-force Tip Solution (LfTS) — Reload

**NEW**



- LfTS Reload Systems offer a convenient and economical way to refill empty tip racks, saving both time and money
- Color-coded wafers feature grasping tabs for easy handling
- All Reload System tips are non-filter, non-sterile, and fully autoclavable

- 1 Included lid helps keep tips dust-free
- 2 Nested tip design maximizes storage space
- 3 Every stack includes a reusable rack

LfTS PIPETTE TIPS — RELOAD SYSTEM			AF, N, R/D F, NP, USP, A, PP	
CELLTREAT Part No.	VistaLab Part No.	Product Description	Pack Description	Qty/Case
229085	4080-1042	10µL Reload System, Extended Length	960 Tips/Stack	960
229086	4080-2042	200µL Reload System	960 Tips/Stack	960
229087	4080-2043	300µL Reload System	960 Tips/Stack	960
229088	4080-3042	1000µL Reload System	768 Tips/Stack	768
229089	4080-3043	1200µL Reload System	768 Tips/Stack	768

LfTS PIPETTE TIPS — EMPTY RACKS			AF, N, A, PP	
CELLTREAT Part No.	VistaLab Part No.	Product Description	Pack Description	Qty/Case
229077	4080-1040	10µL Empty Rack, Extended Length	20 Racks/Box	20
229078	4080-2040	200µL/300µL Empty Rack	20 Racks/Box	20
229079	4080-3040	1000µL/1200µL Empty Rack	20 Racks/Box	20

# Low-force Tip Solution (LfTS) — Ovation®

**NEW**

LfTS Ovation® units have been modified for compatibility with LfTS tips



**OVATION® ESC**  
ELECTRONIC SINGLE CHANNEL — LfTS TIP FIT

Part No.	Volume	Tip Fit Size	Color
1065-0020LF	0.5 - 20µL	LfTS 10µL XL	Yellow
1065-0125LF-200	2 - 125µL	LfTS 200µL	Green
1065-0125LF-300	2 - 125µL	LfTS 300µL	Green
1065-0250LF-200	5 - 250µL	LfTS 200µL	Blue
1065-0250LF-300	5 - 250µL	LfTS 300µL	Blue
1065-1250LF	25 - 1250µL	LfTS 1200µL	Purple



**OVATION® EMC**  
ELECTRONIC MULTICHANNEL — LfTS TIP FIT

Part No.	No. of Channels	Volume	Tip Fit Size	Color
1160-0020LF	8	0.5 - 20µL	LfTS 10µL XL	Yellow
1160-0125LF-200	8	2 - 125µL	LfTS 200µL	Green
1160-0125LF-300	8	2 - 125µL	LfTS 300µL	Green
1160-0250LF-200	8	5 - 250µL	LfTS 200µL	Blue
1160-0250LF-300	8	5 - 250µL	LfTS 300µL	Blue
1160-1250LF	8	25 - 1250µL	LfTS 1200µL	Purple

• More LfTS Ovation® models available online

# Centrifuge Tube Selection Guide



10 & 25mL  
P. 93

15 & 50mL COLORED CAP  
P. 89

## Centrifuge Tube Features

- CELLTREAT Centrifuge Tubes feature large white or frosted marking areas to facilitate reagent and sample identification
- Easy-to-write-on flat surface caps feature integrated leak-proof seal
- Temperature range of -80°C to 121°C (polypropylene only)



MICRO TUBES  
P. 95-96



15 & 50mL  
P. 86-89



SCREW TOP MICRO TUBES  
P. 98-99



5mL MACRO TUBES  
P. 94



# Centrifuge tubes for every application



**BLACK**  
P. 89

**METAL FREE**  
P. 91

**SELF-STANDING**  
P. 93

**FLIP TOP CAP**  
P. 90

**POLYSTYRENE**  
P. 92

**CELLTREAT** knows that each customer has unique needs when it comes to options and packaging. We offer high quality Centrifuge Tubes with a variety of special features and multiple packaging configurations to suit every application.



**BIO-REACTION**  
P. 33

**SNAP-POP LID**  
P. 90

**OAK RIDGE STYLE**  
P. 97

**LARGE VOLUME**  
P. 92

# Centrifuge Tubes — 15 & 50mL



**Durable tube design and premium cap manufacturing process offer leak-free performance**



- Graduations are printed in bold, easy-to-read black ink and accurate to +/-2%
- Bagged tubes can economically refill reusable racks
- Sterile options are packaged in easy-to-manage small quantities
- Also available in Flip Top Tube options (see page 90)
- Molded graduations below 2.5mL allow easy pellet measurement

## CENTRIFUGE TUBES — 15mL

**AF, R/D F, NP, USP, A, TUBE - PP, CAP - HDPE**

	Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
<b>MOST POPULAR</b>	229411	15mL Centrifuge Tube	12000 x g	Y	25/Re-sealable Bag	500
	229450	TUBE ONLY, 15mL Centrifuge Tube	12000 x g	N	500/Bag	500
	229451	CAP ONLY, 15mL Centrifuge Tube	NA	N	500/Bag	500
	229457	CAP ONLY, 15mL Centrifuge Tube	NA	Y	25/Re-sealable Bag	500
	229452	TUBE & CAP, 15mL Centrifuge Tube*	12000 x g	N	Tubes 500/Bag & Caps 500/Bag	500

## CENTRIFUGE TUBES — 50mL

**AF, R/D F, NP, USP, A, TUBE - PP, CAP - HDPE**

	Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
<b>MOST POPULAR</b>	229421	50mL Centrifuge Tube	16000 x g	Y	25/Re-sealable Bag	500
	229454	TUBE ONLY, 50mL Centrifuge Tube	16000 x g	N	500/Bag	500
	229453	CAP ONLY, 50mL Centrifuge Tube	NA	N	500/Bag	500
	229458	CAP ONLY, 50mL Centrifuge Tube	NA	Y	25/Re-sealable Bag	500
	229456	TUBE & CAP, 50mL Centrifuge Tube*	16000 x g	N	Tubes 500/Bag & Caps 500/Bag	500
<b>NEW</b>	230423	TUBE & CAP, 50mL Centrifuge Tube*	16000 x g	N	Tubes 50/Bag & Caps 50/Bag	500

\*Tubes and Caps packed separately

# Paperboard Rack Centrifuge Tubes — 15 & 50mL



- Economical, recyclable alternative to disposable foam rack
- Available in 15 & 50mL Flip Top Tube options (see page 90)
- Folds flat for recycling or disposal
- Paperboard racks are compatible with RackMaster™ System (see page 87)

## CENTRIFUGE TUBES — PAPERBOARD RACK

**AF, R/D F, NP, USP, A, TUBE - PP, CAP - HDPE**

	Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
	229410	15mL Centrifuge Tube	12000 x g	Y	25/Paperboard Rack with 2 Racks/Bag	500
	229420	50mL Centrifuge Tube	16000 x g	Y	25/Paperboard Rack	500
	229455	50mL Centrifuge Tube	16000 x g	N	25/Paperboard Rack	500

# RackMaster™ Centrifuge Tubes — 15 & 50mL NEW



The ultimate protection for paperboard racks, RackMaster™ is ideal for wet lab surfaces



Sustainable plastic rack enables paper racks to replace foam for the environment!

- 1 Transport racked tubes with confidence and convenience
- 2 Easily access and organize tubes for experiments
- 3 Convenient extra storage holds centrifuge tubes, caps, micro tubes, and markers

- Plastic racks are reusable and autoclavable; paperboard racks are recyclable
- Bonus side compartments offer space to hold markers, caps, and additional tubes
- Refill RackMaster™ with paperboard centrifuge tube racks to reduce waste and save money compared to foam racks

## RACKMASTER™ CENTRIFUGE TUBE SYSTEM

AF, R/D F, NP, USP, A, TUBE - PP, CAP - HDPE

Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
229414	15mL Centrifuge Tube, Paperboard Rack	12000 x g	Y	25/Paperboard Rack	500
230468	15mL Centrifuge Tube, Paperboard Rack, with 2 RackMasters	12000 x g	Y	25/Paperboard Rack 2 RackMasters	500
230469	15mL RackMaster Only	NA	N	5 Racks	5
229436	50mL Centrifuge Tube, Paperboard Rack	16000 x g	Y	25/Paperboard Rack	500
230478	50mL Centrifuge Tube, Paperboard Rack, with 2 RackMasters	16000 x g	Y	25/Paperboard Rack 2 RackMasters	500
230479	50mL RackMaster Only	NA	N	5 Racks	5

## Best Value Centrifuge Tubes — 15 & 50mL

- Best Value Centrifuge Tubes are manufactured using an improved production process, offering a savings advantage
- **NEW** tube only and cap only options available
- Tubes include graduations molded into the conical bottom, ideal for pellet viewing and small volume quantification
- Compatible with the RackMaster™ System



### BEST VALUE — CAP OR TUBE ONLY CENTRIFUGE TUBES

AF, S, R/D F, NP, USP, A, TUBE - PP, CAP - HDPE

Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
230426	TUBE ONLY, 15mL Centrifuge Tube	12000 x g	Y	25/Re-sealable Bag	500
230427	CAP ONLY, 15mL Centrifuge Tube	NA	Y	25/Re-sealable Bag	500
230428	TUBE ONLY, 50mL Centrifuge Tube	16000 x g	Y	25/Re-sealable Bag	500
230429	CAP ONLY, 50mL Centrifuge Tube	NA	Y	25/Re-sealable Bag	500

### BEST VALUE — ALTERNATE PACKAGING OPTIONS

AF, S, R/D F, NP, USP, A, TUBE - PP, CAP - HDPE

<b>MOST POPULAR</b>	229413	15mL Centrifuge Tube, Bagged	12000 x g	Y	25/Re-sealable Bag	500
<b>MOST POPULAR</b>	229435	50mL Centrifuge Tube, Bagged	16000 x g	Y	25/Re-sealable Bag	500

# Plastic Rack Centrifuge Tubes — 15 & 50mL



Plastic racks withstand temperatures of -80°C to 121°C



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
- Rack design prevents sticking to frozen surfaces
- Widely spaced design catches drips and allows tubes to be easily retrieved

## CENTRIFUGE TUBES — PLASTIC RACK — POLYPROPYLENE AF, R/D F, NP, USP, A, TUBE - PP, CAP - HDPE

Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
229418	15mL Centrifuge Tube	12000 x g	Y	25/Plastic Rack with 2 Racks/Bag	300
229428	50mL Centrifuge Tube	16000 x g	Y	25/Plastic Rack	300
229419	PLASTIC RACK ONLY, 15mL Centrifuge Tube	NA	N	5/Bag	5
229429	PLASTIC RACK ONLY, 50mL Centrifuge Tube	NA	N	5/Bag	5

## CENTRIFUGE TUBES — PLASTIC RACK — POLYSTYRENE AF, S, R/D F, NP, USP, A, TUBE - PS, CAP - HDPE

229490	50mL Centrifuge Tube, Polystyrene	1000 x g	Y	25/Plastic Rack	300
--------	-----------------------------------	----------	---	-----------------	-----

# Foam Rack Centrifuge Tubes — 15 & 50mL



- Foam racks stabilize tubes
- See page 86 for complete information on Centrifuge Tubes
- Available with printed marking spot caps and pre-numbered caps

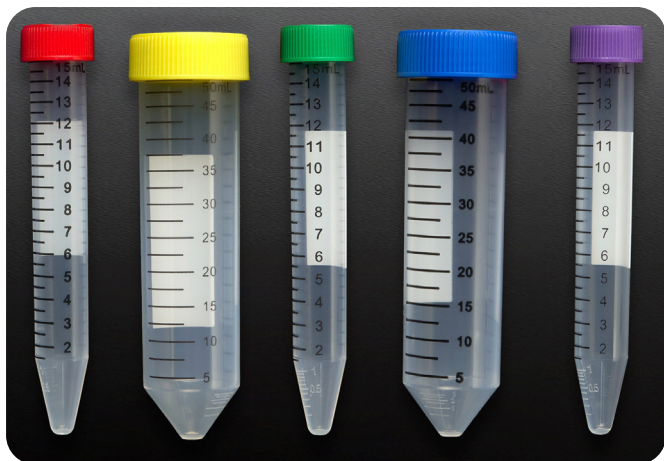


## CENTRIFUGE TUBES - FOAM RACK AF, S, R/D F, NP, USP, A, TUBE - PP, CAP - HDPE

Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
229412	15mL Centrifuge Tube	12000 x g	Y	50/Foam Rack	300
229422	50mL Centrifuge Tube	16000 x g	Y	25/Foam Rack	300
229423	50mL Centrifuge Tube, Marking Spot Cap	16000 x g	Y	25/Foam Rack	300
229424	50mL Centrifuge Tube, Numbered Cap	16000 x g	Y	25/Foam Rack	300

For more environmentally-friendly options see RackMaster™ on page 87

# Colored Cap Centrifuge Tubes — 15 & 50mL



Assorted color cases (Part No. 230411A & 230421A) include a free reusable plastic rack (Part No. 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 cases containing 4 bags of each individual color (red, yellow, green, blue, purple)
- Same great features as standard Centrifuge Tubes (see page 86)

## COLORED CAP CENTRIFUGE TUBES

AF, S, R/D F, NP, USP, A, TUBE - PP, CAP - HDPE

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

# Black Centrifuge Tubes — 15 & 50mL



**Protect light sensitive compounds!**

- Eliminate the need to wrap tubes with aluminum foil
- Large white marking area provides excellent contrast for identification
- Flat surface polyethylene (HDPE) caps feature integrated leak-proof seal
- Convenient zip-closure bag is a practical alternative to folding and taping opened bags
- Available in smaller case quantity of 100 tubes per case or standard 500 tubes per case

## BLACK CENTRIFUGE TUBES — BAG

AF, S, R/D F, NP, USP, A, TUBE - PP, CAP - HDPE

Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
229431	15mL Centrifuge Tube, Black	12000 x g	Y	25/Re-sealable Bag	100
229432	15mL Centrifuge Tube, Black	12000 x g	Y	25/Re-sealable Bag	<b>500</b>
229433	50mL Centrifuge Tube, Black	16000 x g	Y	25/Re-sealable Bag	100
229434	50mL Centrifuge Tube, Black	16000 x g	Y	25/Re-sealable Bag	<b>500</b>

# Snap-Pop Lid Centrifuge Tubes — 15, 25 & 50mL



**Audible 'SNAP!' gives you confidence that the tube is completely closed**

- Easily open or seal the tube with one hand; same hinged cap style as Micro and Macro Centrifuge Tubes
- Elongated lip on attached cap prevents finger contact with tube, reducing 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

◀ **NEW** 25mL Snap-Pop Lid Tube

## SNAP-POP LID CENTRIFUGE TUBES — CONICAL BOTTOM

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

Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
229496	15mL Centrifuge Tube, Snap-Pop Lid	5500 x g	Y	50/Re-sealable Bag	500
<b>NEW</b> 230425	25mL Centrifuge Tube, Snap-Pop Lid	5500 x g	Y	25/Re-sealable Bag	200
229498	50mL Centrifuge Tube, Snap-Pop Lid	9000 x g	Y	25/Re-sealable Bag	500

## SNAP-POP LID CENTRIFUGE TUBES — SELF-STANDING

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

Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
229497	15mL Centrifuge Tube, Snap-Pop Lid	1000 x g	Y	50/Re-sealable Bag	500
229499	50mL Centrifuge Tube, Snap-Pop Lid	1000 x g	Y	25/Re-sealable Bag	500

# Flip Top Cap Centrifuge Tubes — 15 & 50mL



- Ergonomic flip top screw cap is designed for single handed operation
- Easily flip cap open or screw on/off as a standard cap
- 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
- Easy to write on flat surface polyethylene (HDPE) caps
- Tubes include graduations molded into the conical bottom, ideal for pellet viewing and small volume quantification
- Convenient zip-closure bag is a practical alternative to folding and taping opened bags
- Paperboard rack is a recyclable, fold-flat alternative to bulky foam racks
- Paperboard racks are compatible with RackMaster™ (see page 87) ♻️

## 15mL CENTRIFUGE TUBES — FLIP TOP CAP

AF, S, R/D F, NP, USP, A, TUBE - PP, CAP - HDPE

Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
229416	15mL Centrifuge Tube, Flip Top Cap	9400 x g	Y	25/Paperboard Rack	500
229417	15mL Centrifuge Tube, Flip Top Cap	9400 x g	Y	25/Re-sealable Bag	500

## 50mL CENTRIFUGE TUBES — FLIP TOP CAP

AF, S, R/D F, NP, USP, A, TUBE - PP, CAP - HDPE

Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
229426	50mL Centrifuge Tube, Flip Top Cap	9400 x g	Y	25/Paperboard Rack	500
229427	50mL Centrifuge Tube, Flip Top Cap	9400 x g	Y	25/Re-sealable Bag	500
229425	50mL Centrifuge Tube, Flip Top CAP ONLY	NA	Y	25/Re-sealable Bag	1000

# Metal Free Centrifuge Tubes — 15 & 50mL

**NEW**



**Metal free, worry free!**  
Validated to ensure peace of mind

- Validated to contain less than 1ppb of more than 30 trace metal elements, ensuring samples are free of contaminants
- Graduations are printed in bold, easy-to-read black ink and accurate to +/-2%
- Large white marking area provides excellent contrast for identification
- Easy-to-write on flat surface polyethylene (HDPE) caps feature integrated leak-proof seal
- Natural color caps help to easily differentiate these specialty tubes in the lab
- Paperboard racks are compatible with RackMaster™ (see page 87)



## METAL FREE CENTRIFUGE TUBES — BAG

**AF, S, R/D F, NP, USP, A, TUBE - PP, CAP - HDPE**

Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
230480	15mL Centrifuge Tube, Metal Free	12000 x g	Y	25/Re-sealable Bag	500
230482	50mL Centrifuge Tube, Metal Free	16000 x g	Y	25/Re-sealable Bag	500

## METAL FREE CENTRIFUGE TUBES — PAPERBOARD RACK

**AF, S, R/D F, NP, USP, A, TUBE - PP, CAP - HDPE**

Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
230481	15mL Centrifuge Tube, Metal Free	12000 x g	Y	25/Paperboard Rack	500
230483	50mL Centrifuge Tube, Metal Free	16000 x g	Y	25/Paperboard Rack	500

# Storage Boxes — 15 & 50mL

**NEW**

- Conveniently store 15 and 50mL Centrifuge Tubes in temperatures as low as -80°C
- Durable polypropylene Storage Boxes are fully autoclavable
- Integrated rack features printed numerical coordinates
- Safely and easily remove boxes from freezer racks using textured pull tab



## 15 & 50mL CENTRIFUGE TUBE STORAGE BOXES

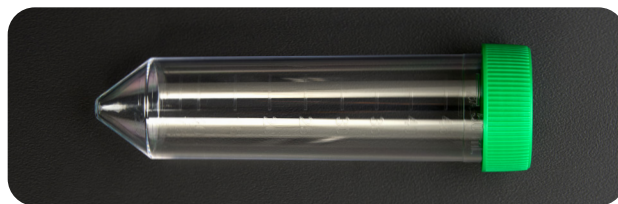
**AF, N, A, PP**

Part No.	Product Description	Pack Description	Qty/Case
229946	Storage Box, 15mL Centrifuge Tubes, 36 Place	2/Pack	4
229947	Storage Box, 50mL Centrifuge Tubes, 16 Place	2/Pack	4

- Boxes are supplied empty

# Racked Polystyrene Centrifuge Tube — 50mL NEW

- 50mL Polystyrene Centrifuge Tubes feature molded graduations and are conveniently pre-racked in a durable plastic rack (see page 88 for rack information, Part No. 229429)
- Standard HDPE caps are designed with an integrated leak-proof seal



## CENTRIFUGE TUBES — POLYSTYRENE

AF, S, R/D F, NP, USP, TUBE - PS, CAP - HDPE

Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
229490	50mL Centrifuge Tube, Racked	1000 x g	Y	25/Plastic Rack	300

# Sure Cap Centrifuge Tubes — 15 & 50mL



**Best defense against leakage!**

- Sure Cap with compressible polyethylene foam liner creates a **reliable seal**
- Available in 15 & 50mL polypropylene and 15mL polystyrene tube options
- Optically clear polystyrene tube includes molded 15mL graduation line, plus 0.5 and 1mL graduations molded into the conical bottom for easy sample viewing and quantification



## SURE CAP CENTRIFUGE TUBES — POLYPROPYLENE

AF, S, R/D F, NP, USP, A, TUBE - PP, CAP - HDPE

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

## SURE CAP CENTRIFUGE TUBES — POLYSTYRENE

AF, S, R/D F, NP, USP, TUBE - PS, CAP - HDPE

229491	15mL Centrifuge Tube, Sure Cap	3000 x g	Y	25/Re-sealable Bag	500
--------	--------------------------------	----------	---	--------------------	-----

# Large Volume Centrifuge Tubes — 225, 250 & 500mL

- For applications requiring large volume centrifugation
- Tubes include molded graduation lines
- Polyethylene (HDPE) cap with integrated plug seal provides a secure closure
- Temperature range of -80°C to 121°C
- Use of a rotor cushion is advised to support tubes during centrifugation



## LARGE VOLUME CENTRIFUGE TUBES

AF, S, R/D F, NP, USP, A, TUBE - PP, CAP - HDPE

Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
229465	225mL Conical Bottom Centrifuge Tube	7500 x g	Y	6/Re-sealable Bag	48
229466	250mL Conical Bottom Centrifuge Tube	7500 x g	Y	6/Re-sealable Bag	48
229463	500mL Conical Bottom Centrifuge Tube	6000 x g	Y	6/Re-sealable Bag	36

# Centrifuge Tubes — 10 & 25mL



The perfect size for volumes between 10mL - 30mL!



## 10mL CENTRIFUGE TUBES

- Offers the convenience of a Micro Centrifuge Tube with the ability to process sample volumes up to 10mL
- Contains less plastic than 15mL tube to minimize shipping, storage and waste; saves over one pound of plastic per case!
- Easily access cell pellets and reduce contamination risk with shorter tube

◀ 10mL vs. 15mL Centrifuge Tube



Smaller tubes use less plastic compared to standard sizes



## NEW 25mL CENTRIFUGE TUBES

- Convenient volume option between 15mL and 50mL Centrifuge Tubes
- Smaller tube saves storage space and reduces plastic waste
- Same diameter as standard 50mL tubes – use the same racks and centrifuge rotors
- Reduce risk of contamination and increase centrifugation stability with shorter tube

◀ 25mL vs. 50mL Centrifuge Tube

### CENTRIFUGE TUBES — 10 & 25mL

AF, R/D F, NP, USP, A, TUBE - PP, CAP - HDPE

Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
229493	10mL Centrifuge Tube	12000 x g	Y	25/Re-sealable Bag	500
<b>NEW</b> 229487	25mL Centrifuge Tube	12000 x g	Y	25/Re-sealable Bag	200
<b>NEW</b> 229488	25mL Centrifuge Tube	12000 x g	N	25/Re-sealable Bag	200

# Self-Standing Centrifuge Tubes — 30 & 50mL

## 30 & 50mL SELF-STANDING CENTRIFUGE TUBES

- Skirted base allows for use without a rack, ideal for sample and specimen collection
- 30mL tubes are ink-free and designed with molded graduations
- Easy to write on flat surface HDPE caps feature an integrated leak-proof seal

50mL vs. 30mL Self-Standing Centrifuge Tube ▶



### CENTRIFUGE TUBES — SELF-STANDING

AF, R/D F, NP, USP, A, TUBE - PP, CAP - HDPE

Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
229492	30mL Centrifuge Tube, Self-Standing	7500 x g	N	50/Re-sealable Bag	500
229494	30mL Centrifuge Tube, Self-Standing	7500 x g	Y	50/Re-sealable Bag	500
229495	TUBE & CAP, 30mL Centrifuge Tube, Self-Standing	7500 x g	N	Tubes 500/Bag & Caps 500/Bag	500
229430	50mL Centrifuge Tube, Self-Standing	6000 x g	Y	25/Re-sealable Bag	500
229459	TUBE & CAP, 50mL Centrifuge Tube, Self-Standing	6000 x g	N	Tubes 500/Bag & Caps 500/Bag	500

# Macro Centrifuge Tubes — 5mL



**Perfect intermediate size with a convenient flip top lid**

- Offers the convenience of a micro centrifuge tube with the ability to process sample volumes up to 5mL
- Tube diameter 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 — STANDARD LID

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

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

# Colored Macro Centrifuge Tubes — 5mL

**NEW**



*Snap-Pop Lid*

- Snap-Pop Lid Macro Centrifuge Tubes feature a more robust closure, which latches securely in place with a gentle push
- Color tubes allow for quick sample identification, or to customize workflows
- Assorted pack includes 1 bag of each color: blue, green, yellow, red, purple

## 5mL MACRO CENTRIFUGE TUBES — SNAP-POP LID

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

Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
229445	5mL Macro Centrifuge Tube, Clear	25000 x g	N	20/Re-sealable Bag	100
229445A	5mL Macro Centrifuge Tube, Assorted	25000 x g	N	20/Re-sealable Bag	100
229445B	5mL Macro Centrifuge Tube, Blue	25000 x g	N	20/Re-sealable Bag	100
229445G	5mL Macro Centrifuge Tube, Green	25000 x g	N	20/Re-sealable Bag	100
229445Y	5mL Macro Centrifuge Tube, Yellow	25000 x g	N	20/Re-sealable Bag	100
229445R	5mL Macro Centrifuge Tube, Red	25000 x g	N	20/Re-sealable Bag	100
229445P	5mL Macro Centrifuge Tube, Purple	25000 x g	N	20/Re-sealable Bag	100

# Micro Centrifuge Tubes — 0.5, 1.5 & 2.0mL



**Color tubes assist sample identification and customize workflows**

- Attached flat cap is easy to open and close with one hand
- All tubes have a frosted marking spot and engraved graduations
- 1.5mL opaque black tube protects light sensitive compounds
- Max RCF of 25000 x g (Part No. 229448 Max RCF 15000 x g)



## MICRO CENTRIFUGE TUBES — 0.5mL

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

Part No.	Product Description	Sterile	Pack Description	Qty/Case
230400	0.5mL Micro Centrifuge Tube	Y	500/Re-sealable Bag	1000
230401	0.5mL Micro Centrifuge Tube	N	500/Re-sealable Bag	1000
229440	0.5mL Micro Centrifuge Tube	Y	1000/Re-sealable Bag	<b>5000</b>

## MICRO CENTRIFUGE TUBES — 1.5mL

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

	Part No.	Product Description	Sterile	Pack Description	Qty/Case
<b>NEW</b>	229444	1.5mL Micro Centrifuge Tube	N	500/Re-sealable Bag	500
	229441	1.5mL Micro Centrifuge Tube	N	500/Re-sealable Bag	<b>1000</b>
	229442	1.5mL Micro Centrifuge Tube	Y	500/Re-sealable Bag	1000
	229443	1.5mL Micro Centrifuge Tube	Y	1000/Re-sealable Bag	<b>5000</b>
	229437	1.5mL Micro Centrifuge Tube, Black	Y	500/Re-sealable Bag	1000
<b>NEW</b>	229444B	1.5mL Micro Centrifuge Tube, Blue	N	500/Re-sealable Bag	500
<b>NEW</b>	229444G	1.5mL Micro Centrifuge Tube, Green	N	500/Re-sealable Bag	500
<b>NEW</b>	229444Y	1.5mL Micro Centrifuge Tube, Yellow	N	500/Re-sealable Bag	500
<b>NEW</b>	229444P	1.5mL Micro Centrifuge Tube, Purple	N	500/Re-sealable Bag	500
<b>NEW</b>	230435	1.5mL Micro Centrifuge Tube, Black	N	500/Re-sealable Bag	500
<b>NEW</b>	230436	1.5mL Micro Centrifuge Tube, Amber	N	500/Re-sealable Bag	500
<b>NEW</b>	229444A	1.5mL Micro Centrifuge Tube, Assorted	N	500/Re-sealable Bag	2000

Assorted pack contains the colors: Blue, Green, Yellow, and Purple

## MICRO CENTRIFUGE TUBES — 2.0mL

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

Part No.	Product Description	Sterile	Pack Description	Qty/Case
230402	2.0mL Micro Centrifuge Tube	Y	500/Re-sealable Bag	1000
230403	2.0mL Micro Centrifuge Tube	N	500/Re-sealable Bag	1000
229446	2.0mL Micro Centrifuge Tube	Y	1000/Re-sealable Bag	<b>5000</b>
229448	2.0mL Micro Centrifuge Tube, Self-Standing	N	500/Re-sealable Bag	5000



# Low Retention Micro Tubes — 1.5 & 2.0mL NEW



**Maximize sample recovery with low binding tube surfaces**

- Maximize collection of tiny volumes to reduce loss of precious samples such as proteins, RNA/DNA & reagents
- Improve reproducibility by ensuring accurate sample handling
- Ideal for viscous solutions, which may stick to standard tube walls
- Tubes have frosted marking spot and engraved graduations
- Attached flat cap is easy to open and close with one hand
- Low Retention 0.2mL PCR Tubes also available (see page 65)



## LOW RETENTION MICRO CENTRIFUGE TUBES

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

Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
230406	1.5mL Micro Centrifuge Tube, Low Retention	25000 x g	N	500/Re-sealable Bag	500
230407	2.0mL Micro Centrifuge Tube, Low Retention	25000 x g	N	500/Re-sealable Bag	500

# Transport Tubes — 12mL



- Transport tubes offer advanced seal and extended HDPE deep cap to prevent leaking when shipping samples
- Compliant with 95kPa IATA Packaging Instruction 650
- Cap is designed to securely accommodate swab samples
- Max RCF 6000 x g
- Self-standing base allows use without racks
- Round bottom maximizes liquid retrieval and will not pinch swabs
- High-quality, medical grade virgin polypropylene is transparent for viewing samples, shatterproof and resistant to heat and cold

## TRANSPORT TUBES

AF, R/D F, NP, USP, A, TUBE - PP, CAP - HDPE

Part No.	Product Description	Max RCF	Sterile (Y/N)	Pack Description	Qty/Case
230417	12mL Transport Tube — Tubes & Caps Assembled	6000 x g	Y	100/Re-sealable Bag	500
230418	12mL Transport Tube — Tubes & Caps Separate	6000 x g	Y	100/Bag Each	500
230419	12mL Transport Tube — Tubes & Caps Separate	6000 x g	Y	100/Bag Each	<b>1000</b>
<b>NEW</b> 230419NS	12mL Transport Tube — Tubes & Caps Separate	6000 x g	N	100/Bag Each	1000

# Centrifuge Bottles — 250 & 500mL

- 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 advised to support bottles during centrifugation
- Packaged non-sterile in re-sealable bags
- Bottle content should not exceed 80% of total capacity to obtain maximum results



## POLYCARBONATE

- Optically clear for high visibility
- Seal cap features integrated silicone gasket for leak-proof seal
- Cap has extended lip to facilitate removal from rotor, and gripping ridges for easy opening and closing
- Bottles include molded graduation lines

## POLYPROPYLENE

- Translucent and provides chemical resistivity needed for many applications

### CENTRIFUGE BOTTLES — POLYCARBONATE AF, N, USP, A, BOTTLE - PC, CAP - PP

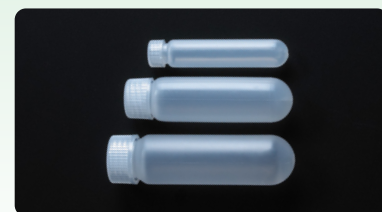
Part No.	Product Description	Max RCF	Sterile (Y/N)	Qty/Case
229464	250mL Centrifuge Bottle — Polycarbonate	13700 x g	N	4
229469	500mL Centrifuge Bottle — Polycarbonate	13850 x g	N	4

### CENTRIFUGE BOTTLES — POLYPROPYLENE AF, N, USP, A, PP

229467	250mL Centrifuge Bottle — Polypropylene	27500 x g	N	2
229468	500mL Centrifuge Bottle — Polypropylene	13500 x g	N	2

# Oak Ridge Style Tubes — 10, 30 & 50mL

- High speed tubes feature a round bottom and thick, uniform wall
- Ideal for applications involving strong chemicals such as phenol
- Tubes are economical and leak-proof for refrigerated or standard centrifugation
- Tube content should not exceed 80% of total capacity to obtain maximum results
- Durable polypropylene can withstand multiple autoclave cycles



### OAK RIDGE STYLE CENTRIFUGE TUBES AF, N, USP, A, PP

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

# Screw Top Micro Tubes — 0.5, 1.5 & 2.0mL



## 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 range — shatter/crack resistant and ideal for boiling
- Temperature range of -196°C to 121°C
- Sterile Assemblies packed in self-standing re-sealable bags offer a unique storage solution
- Translucent and Opaque Cap O-rings ensure leak-proof seal, and are a highly visible contrasting color
- Caps are compatible with all CELLTREAT brand Screw Top Micro Tubes
- Max RCF of 20000 x g



- 1 Grip band tubes feature ribs that provide exceptional gripping surface and lessen movement during centrifugation
- 2 Graduated tubes have markings every 100µL 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

AF, S, R/D F, NP, USP, A, TUBE - PP, CAP - PP & TPE

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
















**Tubes and caps are fully autoclavable**

**SCREW TOP MICRO TUBES — TUBE ONLY** AF, R/D F, NP, USP, A, PP

Part No.	Product Description	Tube Feature	Base	Sterile (Y/N)	Pack Description	Qty/Case
230811	0.5mL Tube Only	Grip Band	Self-Standing	N	500/Re-sealable Bag	1000
230811S	0.5mL Tube Only	Grip Band	Self-Standing	Y	500/Re-sealable Bag	1000
230823	1.5mL Tube Only	Graduated	Conical	N	500/Re-sealable Bag	1000
230821	1.5mL Tube Only	Grip Band	Self-Standing	N	500/Re-sealable Bag	1000
230821S	1.5mL Tube Only	Grip Band	Self-Standing	Y	500/Re-sealable Bag	1000
230833	2.0mL Tube Only	Graduated	Conical	N	500/Re-sealable Bag	1000
230831	2.0mL Tube Only	Grip Band	Self-Standing	N	500/Re-sealable Bag	1000
230831S	2.0mL Tube Only	Grip Band	Self-Standing	Y	500/Re-sealable Bag	1000

**SCREW TOP MICRO TUBES — CAP ONLY** AF, N, R/D F, NP, USP, A, PP & TPE

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

Cap Color	Grip Cap	Opaque Cap	Translucent Cap
Assorted	230840A	230841A	230842A 230842AS - Sterile
Blue	 230840B	 230841B	 230842B
Clear	 230840C	NA	 230842C 230842CS - Sterile
Green	 230840G	 230841G	 230842G
Orange	 230840N	 230841N	 230842N
Purple	 230840P	 230841P	 230842P
Red	 230840R	 230841R	 230842R
Yellow	 230840Y	 230841Y	 230842Y

**Markers**



- Fast drying, smudge resistant, fine point marker
- Ideal for permanently marking all plastic labware, especially Centrifuge Tubes; even works with frozen tubes!
- Assorted pack includes: 2 Black, 1 Green, 1 Red, 1 Blue

**MARKERS**

Part No.	Product Description	Qty/Case
<b>NEW</b> 229404	Assorted Color Tube Markers	5
229405	Green Tube Markers	5
229406	Blue Tube Markers	5
229407	Black Tube Markers	5
229408	Red Tube Markers	5

# Index

## Accessories

Pipet Storage Rack .....	9
Aspirating Bulb .....	20
Lab Grab Multi-Use Extension Grabber .....	31
Timer .....	47
Bag Cutter.....	47
Loops, Needles & Spreaders.....	48
Platy The Platypus .....	59
Markers .....	99

## Bottles

PET Square Media .....	36
PETG Square Media .....	37
Solution .....	40
Roller .....	57
250 & 500mL Centrifuge .....	97

## Cell Lifters ..... 52

## Cell Scrapers..... 23

## Cell Strainers & Pestle..... 50-51

## Centrifuge Tubes

Centrifuge Tube Selection Guide.....	84-85
15 & 50mL.....	86
15 & 50mL — Paperboard Rack.....	86
15 & 50mL — RackMaster™.....	87
15 & 50mL — Best Value .....	87
15 & 50mL — Plastic Rack .....	88
15 & 50mL — Foam Rack .....	88
15 & 50mL — Colored Cap .....	89
15 & 50mL — Black.....	89
15 & 50mL — Snap-Pop Lid .....	90
15 & 50mL — Flip Top Cap .....	90
15 & 50mL — Metal Free.....	91
15 & 50mL — Storage Boxes .....	91
50mL — Polystyrene .....	92
15 & 50mL — Sure Cap.....	92
225, 250 & 500mL — Large Volume .....	92
10 & 25mL .....	93
30 & 50mL — Self-Standing .....	93
5mL Macro .....	94
0.5, 1.5 & 2.0mL Micro .....	95
1.5 & 2.0mL — Low Retention .....	96
0.5, 1.5 & 2.0mL Screw Top Micro Tubes .....	98-99

## Chambered Cell Culture Slides ..... 59

## Cryogenic Vials

CELLTREAT Freeze Cryogenic Vials .....	28-29
Storage Boxes.....	30
Cap Inserts .....	31
Work Station Rack.....	31

## Dishes

Treated Cell Culture.....	46
Non-Treated Cell Culture .....	47

Compartment Petri.....	48
Petri.....	49
Glass Bottom.....	58

## Drosophila Vials, Bottles & Plugs, FlyTreat™..... 62-63

## Filtration

Filter Systems & Bottle Top Filters .....	38-39
Glass Fiber Filter Disks .....	40
Centrifugal Filter Units (MWCO Tubes) .....	41
Syringe Filters.....	42-43
Vent Filters .....	56

## Flasks

Cell Culture .....	24
Tissue Culture-Treated.....	25
Non-Treated Suspension Culture .....	26
Flask Caps .....	26
Multiple Layer .....	27
Cell Towers .....	27
Erlenmeyer & Fernbach .....	34-35

## Measuring & Storage

Beakers, Graduated .....	44
Wide Mouth Bottles.....	44
Cylinders, Graduated.....	45
Lab Spatula, Pick n' Scoop™.....	45

## PCR Plates, Strips & Tubes ..... 64-65

## Pipet Controllers

ali-Q® Edge .....	6-7
ali-Q® 2.....	8
Standard .....	9
Manual .....	9

## Pipets

Pipet Selection Guide.....	10-11
Serological — Wobble-not™.....	12-13
Serological — Best Value.....	14-15
Serological — Plastic/Plastic Wrap.....	16
Serological — Classic.....	17
Serological — Open End.....	18
Serological — Shorty .....	18
Serological — Bacteriological/Milk .....	18
Transfer .....	19
Polystyrene Plasteur®.....	20
Polypropylene Plasteur® .....	21
Aspirating .....	22

## Pipette Tips

Universal — Gel Loading .....	64
MLA™ & Ovation®.....	72-74
Universal — Racked, Non-sterile.....	78
Universal — Racked, Sterile.....	79
Universal — Reload Systems, Bulk & Empty Racks.....	80
Universal — Macro 5 & 10mL .....	81
Low-force Tip Solution (LFTS) — Racked.....	82
Low-force Tip Solution (LFTS) — Reload Systems .....	83

# Index

## Pipette Equipment

Ovation® .....	69-71
MLA™ .....	75-77
CELLTREAT Adjustable .....	81
Ovation® LfTS.....	83

## Plates

Tissue Culture-Treated Multiple Well.....	53
Permeable Cell Culture Inserts .....	54-55
Non-Treated Multiple Well.....	56
Glass Bottom.....	58
Cover Glass, Round .....	58
Polypropylene .....	61
Deep Well Storage .....	61

## Reagent Reservoirs

Polystyrene .....	66-67
Polypropylene .....	68

## Sealing Films ..... 60

## Tubes

Culture .....	32
Bio-Reaction .....	33
Transport.....	96
Oak Ridge Style .....	97

# Product Certification & Material Indicator Symbols

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

For information about product sterility, material type, and certifications, please consult the reference table to the left and product tables on each page.

Product Certification and Material Indicator Symbols located in the 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:



Please refer to the table 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 and should be inspected prior to use.

# Trademarks & Certifications

CELLTREAT logo, Ovation logo, MLA logo, ali-Q®, Ovation®, and Plasteur® are registered trademarks of CELLTREAT Scientific Products.

VistaLab™, VistaPoints™, MLA™, Protectainer™, VistaBulk™, VistaClear™, VistaRak™, VistaStak™, VistaTip™, RackMaster™, Wobble-not™, FlyTreat™, and Pick n' Scoop™ are trademarks of CELLTREAT Scientific Products.

CELLTREAT Scientific Products operates under a Quality Management System certified by PRI Registrar to ISO 9001:2015. See [www.celltreat.com](http://www.celltreat.com) for certificate.

VistaLab™ Technologies operates under a Quality Management System certified by TUV USA to ISO 9001:2015. VistaLab Technologies™ also operates a metrology lab that is accredited to ISO/IEC 17025:2017. See [www.celltreat.com](http://www.celltreat.com) for certificates.

# Our Facilities

CELLTREAT recently expanded and strengthened its operations in Massachusetts and New York. The company established a 113,000 square foot headquarters and distribution hub in Ayer, Massachusetts, and combined VistaLab Technologies and VistaLab Molding into a 72,000 square foot manufacturing facility in Patterson, New York. These investments enhance efficiency, production capabilities, and CELLTREAT's commitment to high-quality products and exceptional customer service.

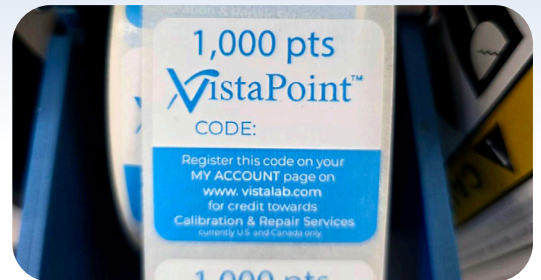


# VistaPoint™ Program

## VISTAPOINT™ REWARDS PROGRAM

Earn VistaPoints every time you order VistaLab Pipette tips or equipment. Redeem your points on any type of Calibration and Repair order.

- 1 Buy VistaLab pipette tips or equipment and look for the sticker inside every box
- 2 Save stickers and login to My Account to register VistaPoints — they are automatically converted to credit for Calibration & Repair services
- 3 Redeem your points on any type of calibration and/or repair order during checkout
- 4 **NEW!** VistaPoint Program updated to include CELLTREAT promotional items



Visit [www.celltreat.us/vistapoint](http://www.celltreat.us/vistapoint) for full program details or scan the QR code.

# Product Sampling Program



## TRY BEFORE YOU BUY!

Are you entering a new experimental direction or facing a big decision and feeling unsure? Let your cells, specimens, and molecules decide for you! We want your experiments to be perfectly satisfied with the new homes you select for them, and because of this we are happy to send free product samples for your evaluation.



To request a FREE sample of almost any of our products please scan the QR code, or email [samples@celltreat.com](mailto:samples@celltreat.com)



# NEW PRODUCTS

PAGE  
06



ali-Q® Edge Aliquoting  
Pipet Controller

PAGE  
19



Transfer Pipets,  
3mL & 7mL

PAGE  
37



PETG Square  
Media Bottles

PAGE  
45



Pick n' Scoop™ Lab Spatula

PAGE  
50



Cell Strainers, 15mL & 500mL

PAGE  
62



FlyTreat™ Drosophila  
Vials, Bottles & Plugs

PAGE  
66



Small Footprint (SF)  
Reagent Reservoirs

PAGE  
87



RackMaster™  
Centrifuge Tube System



# Experience the CELLTREAT difference

CELLTREAT Scientific Products

Toll Free: 877.345.4620

Phone: 978.650.1320

Email: [service@celltreat.com](mailto:service@celltreat.com)

Web: [www.celltreat.com](http://www.celltreat.com)

