



CELL CULTURE PERFORMANCE WARE

Your cells deserve the best

*Bottle Top Filtration Units, Aspirator,
Media Bottles, Centrifuge Tubes,
Cell Strainers and Syringe Filters*

CytOne®

Passionate for Science.



www.starlab.co.uk

CytoOne® Bottle Top Filtration Units



Easy going!

The patented, innovative CytoOne® Bottle Top Filtration Units feature a High Flow Velocity PES (Polyethersulfone) membrane that is perfect for filtering Fetal Bovine Serum (FBS) and other viscous solutions. The membrane is low protein binding and surfactant-free.

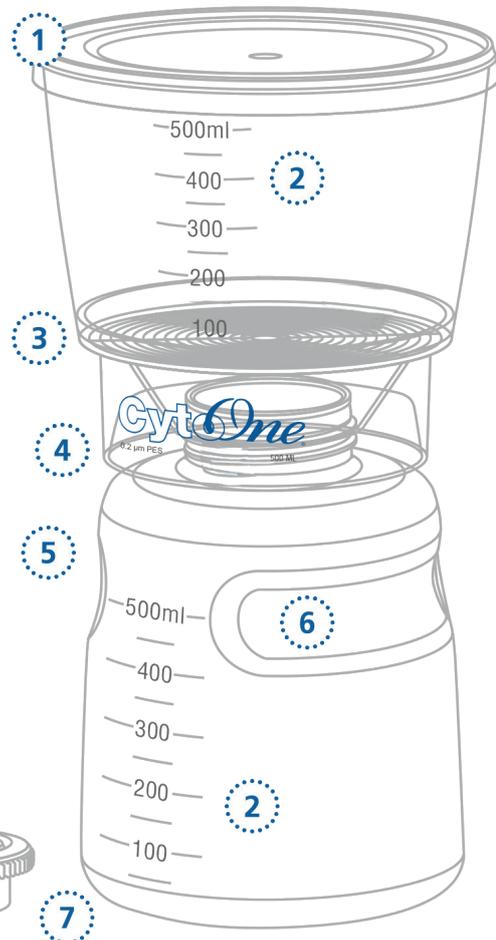
CytoOne® Bottle Top Filtration Units are available in 250 ml, 500 ml and 1000 ml complete systems or funnel-only. All units are sterile and manufactured from USP Class VI polystyrene in an ISO 13485 clean room, FDA regulated facility.

CytoOne® is compatible with the patented CytoOne® Pedestal and Cradle Ring. These optional docking stations provide hands-free filtering and a stationary vacuum hose connection, allowing for efficient set-up and quick use while preventing spills and contamination. Features in the hood.

Product features

- ▶ Suitable for the sterile filtration of tissue culture and microbial media, buffers, reagents and other laboratory solutions
- ▶ Available as a complete system or funnel-only
- ▶ Patented SECUREgrasp™ cap provides a convenient gripping surface plus a frosted area for labeling
- ▶ Ergonomic bottle shape with moulded finger grips
- ▶ Sterile (SAL 10⁻⁶) and certified non-cytotoxic and pyrogen free

1. Dust cap with writing surface
2. Large raised volume graduations
3. Low protein binding PES filter with large surface area
4. Skirted funnel base surrounds the Quick-Connect™ Pedestal or the Cradle Ring for secure hands-free filtration
5. Sloping contour with additional head space
6. Finger grip areas
7. Wide stable base
8. SECUREgrasp™ cap with flat writing surface and no-slip edges



ORDER INFORMATION			
Description	Pack Size	Cat. No.	Price
0.2 µm PES Membrane			
CytoOne® Bottle Top Filtration Unit, Full Assembly, 0.2 µm, 250 ml	12	CC6032-7233	£98.36
CytoOne® Bottle Top Filtration Unit, Full Assembly, 0.2 µm, 500 ml	12	CC6032-8233	£126.31
CytoOne® Bottle Top Filtration Unit, Full Assembly, 0.2 µm, 1000 ml	12	CC6032-9233	£173.93
0.45 µm PES Membrane			
CytoOne® Bottle Top Filtration Unit, Full Assembly, 0.45 µm, 250 ml	12	CC6034-1141	£98.50
CytoOne® Bottle Top Filtration Unit, Full Assembly, 0.45 µm, 500 ml	12	CC6034-1142	£126.50
CytoOne® Bottle Top Filtration Unit, Full Assembly, 0.45 µm, 1000 ml	12	CC6034-1143	£173.95

New!

New!

New!

ORDER INFORMATION			
Description	Pack Size	Cat. No.	Price
0.2 µm PES Membrane			
CytoOne® Bottle Top Filtration Unit, Funnel Only, 0.2 µm, 250 ml	12	CC6062-1233	£80.75
CytoOne® Bottle Top Filtration Unit, Funnel Only, 0.2 µm, 500 ml	12	CC6062-2233	£90.08
CytoOne® Bottle Top Filtration Unit, Funnel Only, 0.2 µm, 1000 ml	12	CC6062-3233	£134.59
0.45 µm PES Membrane			
CytoOne® Bottle Top Filtration Unit, Funnel Only, 0.45 µm, 500 ml	12	CC6064-1162	£81.00
CytoOne® Bottle Top Filtration Unit, Funnel Only, 0.45 µm, 1000 ml	12	CC6064-1163	£135.00

New!

New!

 www.starlab.click/filtration



Accessories			
Description	Pack Size	Cat. No.	Price
CytoOne® Vacuum Filtration Cradle Ring	1	CC6000-1122	£152.19
CytoOne® Quick-Connect™ Vacuum Filtration Pedestal	1	CC6000-1116	£418.52



Cradle Ring for use with all filtration units for hands-free filtration



Quick-Connect Vacuum Filtration Pedestal shown with 500 ml Bottle Top Filtration Unit. Use for easy, hands-free filtration.

CytoOne® Centrifuge Tube Filtration System



Freedom!

STARLAB has developed the world's first hands-free centrifuge tube filtration system. Each filtration unit includes a sterile centrifuge tube and cap, 50 ml funnel with PES membrane, funnel adapter (for the 15 ml tube assembly), vacuum hose adapter, and dual centrifuge tube stand.

The CytoOne® Centrifuge Tube Filtration System is used for the sterilization of tissue culture and microbiological media, FBS, buffers, reagents, and other laboratory solutions. This system avoids potential contamination by eliminating any unnecessary fluid transfer to the centrifuge tube poststerilization, and also reduces the risk of spills.

This hands-free filtration system works in conjunction with the Quick-Connect™ Pedestal or Cradle Ring which provides on/off vacuum flow control. Quick-Connect™ Pedestal and Cradle Ring provide a permanent vacuum hose connection. A time-consuming change of the vacuum hose connection from one unit to the next is not necessary. Both CytoOne® Centrifuge Tube Filtration Units are offered as ready to use full assemblies including centrifuge tubes.

Product features

- ▶ Available in 15 ml and 50 ml centrifuge tube sizes
- ▶ 0.2 µm or 0.45 µm membrane
- ▶ Permanent vacuum hose connection to minimize set-up time
- ▶ Certified non-cytotoxic and pyrogen-free
- ▶ Sterile (SAL 10⁻⁶)

1. 50 ml filtration funnel with forward-facing and raised graduation marks for easy reading
2. 0.2 µm asymmetric membrane filter pore size
3. 15 ml CytoOne® Centrifuge Tube Filtration Unit
4. 50 ml CytoOne® Centrifuge Tube Filtration Unit
5. Quick connection to vacuum system
6. Vacuum hose adapter
7. Quick-Connect™ Pedestal base for hands-free filtration
8. On/off vacuum flow control



ORDER INFORMATION			
Description	Pack Size	Cat. No.	Price
0.2 µm PES Membrane			
CytoOne® Centrifuge Tube Filtration System, 0.2 µm, 15 ml	24	CC6032-1411	£177.04
CytoOne® Centrifuge Tube Filtration System, 0.2 µm, 50 ml	24	CC6032-1402	£177.04
0.45 µm PES Membrane			
CytoOne® Centrifuge Tube Filtration System, Full Assembly, 0.45 µm, 15 ml	24	CC6034-1412	£178.00
CytoOne® Centrifuge Tube Filtration System, Full Assembly, 0.45 µm, 50 ml	24	CC6034-1403	£178.00



15 ml

50 ml

New!

New!

Both systems include a basic centrifuge tube stand that holds both 15 ml and 50 ml tubes.

 www.starlab.click/filtration

CytoOne® Filtration Docking Units



Pedestal shown with 500 ml Bottle Top Filtration Unit



Cradle Ring shown with 50 ml Centrifuge Tube Filtration System (Stand not included)

Perfect docking!

All Bottle Top Filtration Units and both the Centrifuge Tube Filtration Systems can be used with either the Pedestal or the Cradle Ring for hands-free filtration. The Pedestal is made from powder-coated aluminum and can be left under the hood. The Cradle Ring is made from Stainless Steel.

Product features

- ▶ Allows hands-free filtration
- ▶ Provides on/off vacuum flow control
- ▶ Permanent hose connection to minimize set-up time
- ▶ Works in conjunction with CytoOne® Filtration system in 15 ml, 50 ml, 250 ml, 500 ml, and 1000 ml
- ▶ Sterile (SAL 10⁻⁶)

ORDER INFORMATION			
Description	Pack Size	Cat. No.	Price
CytoOne® Vacuum Filtration Cradle Ring	1	CC6000-1122	£152.19
CytoOne® Quick-Connect™ Vacuum Filtration Pedestal	1	CC6000-1116	£418.52

 www.starlab.click/cytoone



CC6000-1116



CC6000-1122

Aspirator



Use two hand controllers without any loss of performance

The STARLAB Aspirator is designed for the safe and efficient aspiration of fluids. The vacuum level and suction power is adjustable in eight steps, ranging from 150 to 850 mbar for safe and reproducible working. The chemically-resistant pump automatically switches on/off to reduce noise level in the workplace. The ergonomically-designed hand controller is fully autoclavable. Collection containers are available in two options; 4 L polypropylene and 2 L glass bottles. Additionally, the Aspirator can be used as a mobile vacuum source for sterile filtration and solid phase extraction.

Product features

- ▶ The powerful pump can operate two hand controllers without any loss of performance
- ▶ Chemically-resistant, high performance pump with long service life
- ▶ Ergonomic, fully autoclavable hand controller
- ▶ Auto ON-OFF pump switch with low noise emission for a quieter working environment
- ▶ Intuitive, reproducible adjustment of suction power via touch panel

ORDER INFORMATION		
Description	Pack Size	Cat. No.
Aspirator incl. 4l bottle & handcontroller	1	N2400-9000
Accessories		
Hand controller for Aspirator ¹⁾	1	N2400-9001
1-channel tip adapter for controller	1	N2400-9002
8-channel tip adapter for controller ²⁾	1	N2400-9003
Stand for hand controller	1	N2400-9004
Tubing for handcontroller, 2.5m	1	N2400-9005
Connection Kit for 2nd hand controller	1	N2400-9006
Protection filter with connective tubing	1	N2400-9007
Quick coupling hand controller to bottle	1	N2400-9008
Quick coupling bottle to pump	1	N2400-9009
4l PP-bottle with filter & inlet pipe	1	N2400-9010
4l PP-bottle with screw cap	1	N2400-9011
2l glass bottle with filter & inlet pipe	1	N2400-9012
Adapter for 2l glass bottle	1	N2400-9013
Mobile underframe	1	N2400-9014
Tool for diaphragm change	1	N2400-9015

¹⁾ Includes one adapter for pipettes, one adapter for pipette tips, a wall mount and 2.5m of tubing. ²⁾ Includes a stand.

TECHNICAL SPECIFICATIONS	
Max. pumping speed	16.7 l/min
Adjustable range of vacuum	150 - 850 mbar
Max. permissible inlet/outlet pressure	1.1 bar
Noise level	45 dB(A)
Power supply	230 V + 10 %, 50/60 Hz
Max. power consumption	40 W
Permissible ambient temperature	10 to 40 °C
Permissible relative humidity	30 - 85 %
Dimensions (W x D x H)	408 x 194 x 500 mm
Weight	7.3 kg

N2400-9000 is supplied with 4L PP bottle, handcontroller, adapters for pipettes and pipette tips (200, 300 and 1000 µl) and a wall mount for handcontroller.

Want to set up a second hand controller on your Aspirator? This is what you will need to purchase:

N2400-9001 + N2400-9006 or N2400-9008 (N2400-9008 is recommended)

1-year warranty

 www.starlab.click/aspirator

Well prepared!

Best solution

The new CytoOne® Filtration Systems can be perfectly operated with STARLAB's new Aspirator. Use our innovative Aspirator to exploit the full capacity of the Filtration Unit's high flow velocity 0.2 µm PES membrane.

Product features

- ▶ Fastest filtration system in the market
- ▶ Easy handling
- ▶ Sealed system for contamination-free filtration
- ▶ Versatile
- ▶ Silent operation
- ▶ One supplier, one system



Fast filtration

Up to 50 % faster than conventional systems

FREE SAMPLE
TRY
before you
BUY
available on request



Easy handling

Quick connect with Aspirator



Sealed system

Contamination-free assembly



Versatile

Aspirator can be used for a wide range of applications such as media replacement

CytoOne® Media Bottles (Sterile)



Safe storage!

CytoOne® Media Bottles are ideal for the storage of sterile solutions such as tissue culture media, serum, and buffers. All media bottles are sterile and manufactured from USP Class VI polystyrene in an ISO 13485 clean room, FDA regulated facility. CytoOne® Media Bottles are fully compatible with the CytoOne® Bottle Top Filtration system. Available in 250 ml, 500 ml and 1000 ml sizes with additional head-space to allow 15% dilutions.

Product features

- ▶ Suitable for sterile solutions such as tissue culture media, serum, and buffers
- ▶ Ergonomic bottle shape, stackable, with molded finger grips
- ▶ Patented SECUREgrasp™ cap provides a convenient gripping surface plus a frosted area for labeling
- ▶ Made with USP Class VI materials in a class 100,000 cleanroom
- ▶ Sterile

ORDER INFORMATION

Description	Pack Size	Cat. No.	Price
CytoOne® Media Bottles 250 ml (Sterile)	24	CC6027-1171	£82.00
CytoOne® Media Bottles 500 ml (Sterile)	24	CC6027-1172	£115.00
CytoOne® Media Bottle 1000 ml (Sterile)	24	CC6027-1173	£145.00

 www.starlab.click/filtration

15 ml and 50 ml Centrifuge Tubes



STARLAB's new centrifuge tubes are designed for the centrifugation of cells, but can be used for standard centrifugation, preparation and storage applications. USP Class VI polymers and certified non-toxicity ensure the viability and integrity of cells. The sterility of assurance level (SAL) of 10^{-6} fulfills the highest demands on sterility, meeting EN 556-1 standard (Sterilisation of Medical Devices). Racked tubes are delivered in recyclable cardboard racks.

Maximum centrifugation rates: Conical Tubes 15 & 50 ml: 12,000 x g and Skirted Tube 50 ml: 6,000 x g

Product features

- ▶ Clear, sterile polypropylene tubes with green HDPE screw caps
- ▶ White writing surface and clearly printed graduations
- ▶ Longer length screw caps with sealing ring prevent any leakage
- ▶ Perfect for centrifugation of cells: USP Class VI, non-cytotoxic and sterile (SAL 10^{-6}) material
- ▶ Certified RNase, DNase, DNA and Pyrogen free



ORDER INFORMATION			
Description	Pack Size	Cat. No.	Price
15 ml Centrifuge Tube, Conical, Loose (Sterile)	10 x 50	E1415-0100	£105.00
15 ml Centrifuge Tube, Conical, Racked (Sterile)	20 x 25	E1415-0700	£110.00



Racked tubes are supplied in recyclable cardboard trays



ORDER INFORMATION			
Description	Pack Size	Cat. No.	Price
Conical Tubes			
50 ml Centrifuge Tube, Conical, Loose (Sterile)	10 x 50	E1450-0100	£115.00
50 ml Centrifuge Tube, Conical, Racked (Sterile)	20 x 25	E1450-0700	£120.00
Skirted Tubes			
50 ml Centrifuge Tubes, Skirted, Loose (Sterile)	20 x 25	E1450-0400	£125.00

www.starlab.click/centrifuge tubes

Cell Strainers (Sterile)



STARLAB Cell Strainers are intended as a fast, easy, and simple alternative to traditional filtration when dissociating stem cells and other tissue-derived primary cells. They yield consistently uniform, single-cell suspensions that are ideal for preparation of samples for flow cytometry, Fluorescence-Activated Cell Sorting (FACS), and other applications related to cell separation. Available in 40 μm , 70 μm , and 100 μm color-coded mesh variants. Cell strainers are made from USP Class VI materials.

Product features

- ▶ Uniform nylon mesh size of 40 μm , 70 μm , and 100 μm (colour-coded)
- ▶ Extended lip on the strainer enables aseptic handling with forceps
- ▶ Designed to fit into a 50 ml conical centrifuge tube
- ▶ RNase, DNase and Pyrogen free
- ▶ Gamma sterilised

ORDER INFORMATION			
Description	Pack Size	Cat. No.	Price
40 μm Cell Strainer, Blue (Sterile)	50 x 1	CC8111-0042	£89.50
70 μm Cell Strainer, Yellow (Sterile)	50 x 1	CC8111-0072	£89.50
100 μm Cell Strainer, White (Sterile)	50 x 1	CC8111-0102	£89.50

 www.starlab.click/cellstrainer



Cell Strainers with three different mesh sizes

Designed to fit perfectly into 50 ml centrifuge tubes

A perfect match –
Serological Pipettes



More details:

visit www.starlab.click/serologicals

Syringe Filters (Sterile)

Nearly half the hold up volume of some other syringes on the market!

STARLAB's Syringe Filters are an economical choice due to the maximum recovery of your solution. Manufactured using the latest technology, these 33 mm diameter filters are suitable for volumes 10–200 ml. Use for cell culture media and additives, biological solutions and buffers.

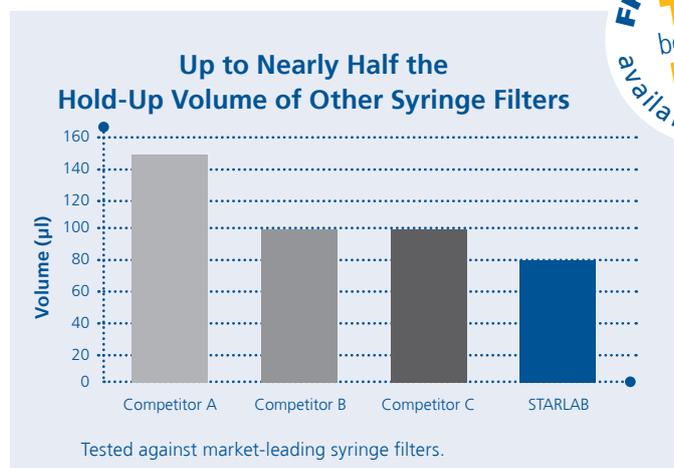


Product features

- ▶ High bubble point membrane provides tighter pore size for greater security
- ▶ High burst pressure ensures safe operation
- ▶ Large filtration surface area allows you to filter your sample more easily
- ▶ Low hold-up volume provides maximum recovery of your solution
- ▶ Surfactant-free membrane for cleanliness in downstream applications

ORDER INFORMATION			
Description	Pack Size	Cat. No.	Price
PES Membrane			
0.22 μm Syringe Filter, PES (Sterile), Blue, Ø 33 mm	100	E4780-1226	£217.41
0.45 μm Syringe Filter, PES (Sterile), Yellow, Ø 33 mm	100	E4780-1456	£217.41
PVDF Membrane			
0.22 μm Syringe Filter, PVDF (Sterile), Blue, Ø 33 mm	100	E4780-1221	£217.41
0.45 μm Syringe Filter, PVDF (Sterile), Yellow, Ø 33 mm	100	E4780-1451	£217.41
Cellulose Acetate Membrane			
0.22 μm Syringe Filter, Cellulose Acetate (Sterile), Blue, Ø 33 mm	100	E4780-1223	£217.41
0.45 μm Syringe Filter, Cellulose Acetate (Sterile), Yellow, Ø 33 mm	100	E4780-1453	£217.41

 www.starlab.click/syringefilters



FREE SAMPLE
TRY
before you
BUY
available on request



Supplied in easy-open plastic-paper blister packs. Lot No. and sterile validity date is printed on every pack.

STARLAB Syringe Filters have nearly half the hold-up volume of some competitor syringe filters which means a lot less expensive media being wasted / held up in the syringe. Use our Syringe Filters just 20 times to save up to 140 μl - just think of the savings you'll make over the course of a month, a year.



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