

Starlab Cell Culture Products.

YOUR CELLS DESERVE THE BEST



Passionate for science.

 starlab

Cell Culture performance ware for optimal cell growth.

YOUR CELLS DESERVE THE BEST

Starlab are liquid handling experts. We have become a recognised name as a manufacturer and supplier of high quality plastic consumables for a wide range of applications in liquid handling, such as the TipOne® pipette tip system and ErgoOne® pipettes.

Our products for Cell Culture carry on that tradition of quality with a range of cell culture performance ware and equipment for your daily cell culture needs. Designed for optimal performance and manufactured to the highest quality standards, you can be sure to outfit your cells for true performance with Starlab cell culture products.

STARLAB QUALITY

As an ISO 9001 certified company, working procedures and processes at Starlab are checked and audited regularly and the quality of our products is continuously monitored.



CONTENTS

CytoOne® Dishes	3
CytoOne® Multiwell Plates	4–5
CytoOne® Flasks with 2-Position Plug Seal Caps	6–7
CytoOne® Flasks with Vented Filter Caps	8–9
Cell Scrapers	10
15 ml & 50 ml Centrifuge Tubes	11
Bottle Top Filtration Units & Media Bottles	12–13
Cell Strainers	14
Syringe Filters	15
Erlenmeyer Flasks	16–17
Aspirator	18–19
ErgoOne® FAST Pipette Controller	20
Serological & Aspiration Pipettes	21
GuardOne® Workstation	22
TipOne® Pipette Tips & ErgoOne® Pipettes	23

CytoOne® Dishes.



TESTED FOR QUALITY

Produced in cleanroom conditions, CytoOne® dishes are put through stringent testing. Culture tests are performed to assure proper cell attachment and growth. The dishes are tested for wettability and flatness, and visually inspected to eliminate defects and scratches. CytoOne® dishes are available with tissue culture (TC) treatment for optimum cell attachment and growth, or non-treated for suspension cultures.

KEY BENEFITS

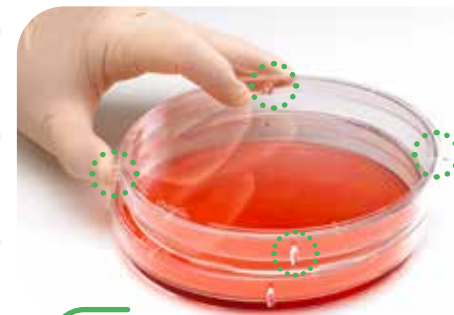
- ✓ Sturdy flat bases resist bowing and warping
- ✓ Optical clarity provide distortion free microscopy
- ✓ Stacking rings with vented design for thermal equalisation
- ✓ Vented lids improve gas exchange
- ✓ Untreated lids to minimise condensation
- ✓ Easy open sleeves in convenient small pack sizes
- ✓ Gamma sterilised (SAL 10⁻⁵) and certified RNase, DNase, DNA and pyrogen free



 www.starlab.click/dishes

Description	Pack Size	Art. No.
TC Treated		
35 x 10 mm CytoOne® Dish	10 x 30	CC7682-3340
60 x 15 mm CytoOne® Dish	10 x 30	CC7682-3359
100 x 20 mm CytoOne® Dish	10 x 30	CC7682-3394
150 x 20 mm CytoOne® Dish	5 x 12	CC7682-3614
Non-Treated		
35 x 10 mm CytoOne® Dish	10 x 30	CC7672-3340
60 x 15 mm CytoOne® Dish	10 x 30	CC7672-3359
100 x 20 mm CytoOne® Dish	10 x 30	CC7672-3394
150 x 20 mm CytoOne® Dish	5 x 12	CC7672-3614

Technical specifications			
Outer Dimensions x Height	Growth area	Inner dimension	Working volume
35 x 10 mm	9.6 cm ²	35 mm	2.0 ml
60 x 15 mm	21 cm ²	52 mm	5.0 ml
100 x 20 mm	55 cm ²	85 mm	10 ml
150 x 20 mm	149 cm ²	138 mm	30 ml



The lids of the 150 mm dishes have four ergonomically placed grip tags (circled above) for easier handling



Bevelled base on the 35 mm and 60 mm dishes makes it easier to pick up these small dishes without accidentally losing the lower shell



Customers have reported successful use of many cell lines and cell types with CytoOne® products:

www.starlab.click/cyto-cell-lines

CytoOne® Multiwell Plates.



PREMIUM PLATES

CytoOne® plates have non-reversible lids with condensation rings to minimise contamination, and are vented to improve gas exchange. Lids also feature support tabs that minimise contact with the bench when set aside or propped open.

CytoOne® plates are suitable for both single-cell isolation work and upscaling, and available with tissue culture (TC) treatment for optimum cell attachment and growth, or non-treated ideal for hybridoma or lymphocyte culture.

QUALITY ASSURED

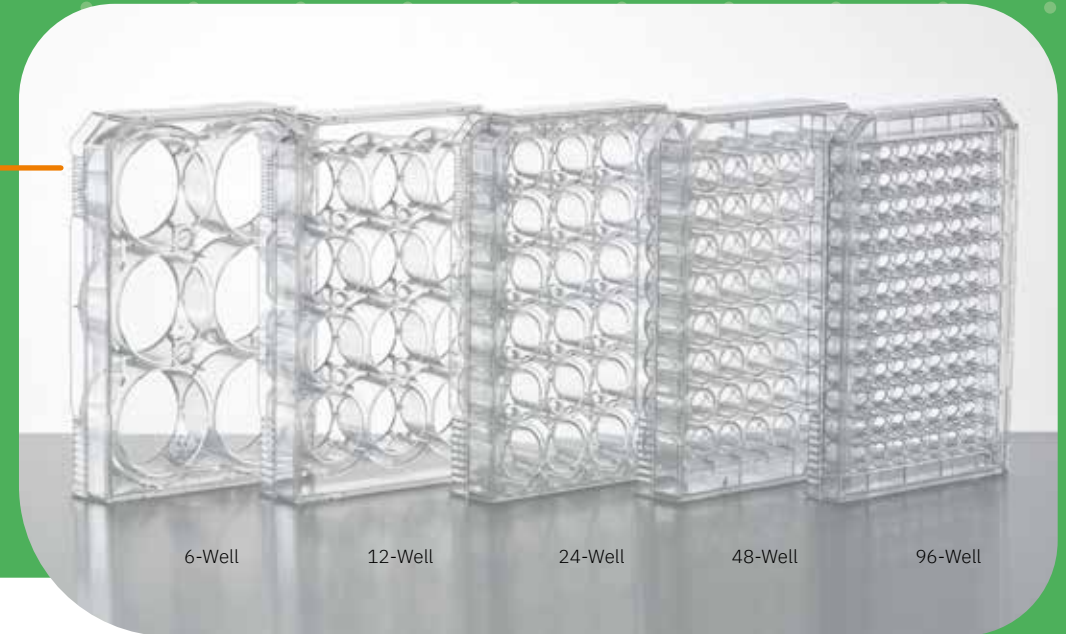
All plates are manufactured from crystal clear premium grade, non-toxic virgin polystyrene and are supplied individually wrapped with the lot number on the packaging. Produced in a cleanroom environment, CytoOne® products are put through stringent testing. Plates are tested for wettability and flatness, and visually inspected to eliminate defects and scratches. Culture tests are preformed on treated plates to assure proper cell attachment and growth.



Customers have reported successful use with many cell lines and cell types with CytoOne® products:

www.starlab.click/cyto-cell-lines

Four vents on the skirt of each plate improves gas exchange, and reduces condensation and surface tension between stacked plates



KEY BENEFITS

- ✔ Complete 360° chimney wells prevents cross-contamination and provides uniform temperature transfer across all wells
- ✔ Vented skirt reduces condensation and surface tension between stacked plates
- ✔ Frosted writing surface on lid
- ✔ Optical clarity provides distortion-free microscopy
- ✔ Moulded alpha-numeric matrix
- ✔ Gamma sterilised (SAL 10⁻⁵) and certified RNase, DNase, DNA and Pyrogen free



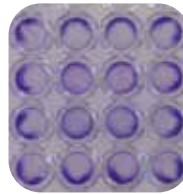
www.starlab.click/multiwellplates



MINIMISING THE 'EDGE EFFECT' WITH CYTOONE®

CytoOne® plates have chimney wells with a complete 360° open channel around each well. Filling the channels with medium during incubation helps reduce clumping of cells towards the edges, resulting in a more uniform cell layer. Tests were carried out on six other brands of 96-well tissue culture plates which were seeded and incubated under the same conditions as a CytoOne® Plate. All displayed an edge effect which could affect the integrity of our your data. Download the Product Data Sheet for full details:

Cell growth in a CytoOne® plate with the channels between the 360° chimney wells left empty.



Cell growth in a CytoOne® plate with the channels filled with DMEM medium shows a marked reduction in 'edge effect'.



Media Volumes to add to each plate:

6-well: 15–20 ml
 12-well: 20–25 ml
 24-well: 20–25 ml
 48-well: 20–25 ml
 96-well: 10–12 ml



Plate A



Plate B



Plate C



Plate D



Plate E



Plate F

NIH3T3 cells stained with Crystal-Violet after 24 hours at 37 °C, 5 % CO₂.
 Initial seeding 0.01 x 10⁶ cells per well.

www.starlab.click/edgeeffect



Complete 360° chimney well design on all plates prevents cross-contamination and provides uniform temperature transfer across all wells

Description	Pack Size	Art. No.
TC Treated Plates		
6-Well CytoOne® Plate	50	CC7682-7506
12-Well CytoOne® Plate	50	CC7682-7512
24-Well CytoOne® Plate	50	CC7682-7524
48-Well CytoOne® Plate	50	CC7682-7548
96-Well CytoOne® Plate	50	CC7682-7596
Non-Treated Plates		
6-Well CytoOne® Plate	50	CC7672-7506
12-Well CytoOne® Plate	50	CC7672-7512
24-Well CytoOne® Plate	50	CC7672-7524
48-Well CytoOne® Plate	50	CC7672-7548
96-Well CytoOne® Plate	50	CC7672-7596

Technical specifications			
Number of wells	Growth area	Working volume	Well diameter
6 wells	9.6 cm ²	2.0 ml	3.46 cm
12 wells	3.8 cm ²	1.5 ml	2.21 cm
24 wells	1.9 cm ²	1.0 ml	1.55 cm
48 wells	0.76 cm ²	0.5 ml	0.98 cm
96 wells	0.32 cm ²	0.2 ml	0.64 cm

CytoOne® Flasks with 2-Position Plug Seal Caps.

MANUAL VENTING OR AIRTIGHT SEAL

The two-position plug seal cap lets you choose secure manual venting or an airtight seal. The T-25, T-75, and T-150 flasks have traceable lot numbers etched into the base. Choose tissue culture (TC) treated for optimum cell attachment and growth or non-treated for hybridoma and suspension cultures.

QUALITY ASSURANCE

CytoOne® is produced in a cleanroom environment and put through stringent testing. Culture tests are performed on treated flasks to assure proper cell attachment and growth. Every flask is pressure tested for leak-free assurance, and the flasks are tested for wettability and flatness, as well as visually inspected to eliminate defects and scratches.

KEY BENEFITS

- ✓ All flasks 100% pressure tested for leak-free assurance
- ✓ Stacking rims with vented design for thermal equalisation
- ✓ Anti-tilt skirts and base bars improve stability
- ✓ Wide necks provide easy access while minimising contamination
- ✓ Convenient moulded graduations
- ✓ Frosted writing surfaces
- ✓ Gamma sterilised (SAL 10⁻⁵) and certified RNase, DNase, DNA and Pyrogen free



 www.starlab.click/flasks



CytoOne® two-position plug seal caps allow you to choose secure manual venting or an airtight seal








Customers have reported successful use with many cell lines and cell types with CytoOne® products:

www.starlab.click/cyto-cell-lines

Ordering information

CytoOne®

Flasks with 2-Position Plug Seal Caps

Description	Pack Size	Art. No.
TC Treated		
 T-25 CytoOne® Flask,	30 x 10	CC7682-4325
 T-75 CytoOne® Flask,	20 x 5	CC7682-4175
 T-150 CytoOne® Flask,	8 x 5	CC7682-4415
 T-225 CytoOne® Flask,	5 x 5	CC7682-4225
Non-Treated		
 T-25 CytoOne® Flask,	30 x 10	CC7672-4325
 T-75 CytoOne® Flask,	20 x 5	CC7672-4175
 T-150 CytoOne® Flask,	8 x 5	CC7672-4415
 T-225 CytoOne® Flask,	5 x 5	CC7672-4225



Non-treated flasks can be identified by their white caps



All flasks supplied in easy-open, resealable zip top bags to protect unused flasks

CERTIFIED



Technical specifications

Flask type	Growth area	Neck	Working volume	Max. volume without neck	Max. volume with neck
T-25	25 cm ²	Canted	5.0 ml	70 ml	75 ml
T-75	75 cm ²	Canted	20 ml	279 ml	290 ml
T-150	150 cm ²	Canted	30 ml	591 ml	603 ml
T-225	225 cm ²	Angled	60 ml	1,006 ml	1,024 ml



www.starlab.click/flasks

CytoOne® Flasks with Vented Filter Caps.

VENTED CAPS FOR GAS EXCHANGE

Vented filter caps have a 0.2 µm hydrophobic membrane to exclude bacteria and fungal contaminants. Choose tissue culture (TC) treated for optimum cell attachment and growth or non-treated for hybridoma and suspension cultures. The T-25, T-75, and T-150 flasks have traceable lot numbers etched into the base.

QUALITY ASSURANCE

CytoOne® is produced in a cleanroom environment and put through stringent testing. Culture tests are preformed on treated flasks to assure proper cell attachment and growth. Every flask is pressure tested for leak-free assurance, and the flasks are tested for wettability and flatness, as well as visually inspected to eliminate defects and scratches.

Customers have reported successful use with many cell lines and cell types with CytoOne® products:

www.starlab.click/cyto-cell-lines

KEY BENEFITS

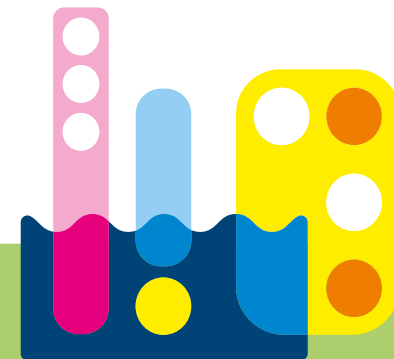
- ✔ Stacking rims with vented design for thermal equalisation
- ✔ Anti-tilt skirts and base bars improve stability
- ✔ Wide necks provide easy access while minimising contamination
- ✔ Convenient moulded graduations
- ✔ Frosted writing surfaces
- ✔ Gamma sterilised (SAL 10⁻⁵) and certified RNase, DNase, DNA and Pyrogen free



CytoOne® vented filter caps have 0.2 µm hydrophobic membrane for gas exchange and to exclude bacteria and fungal contaminants







www.starlab.click/flasks



Ordering information

CytoOne®

Flasks with Vented Filter Caps

Description	Pack Size	Art. No.
TC Treated		
 T-25 CytoOne® Flask, Vented	30 x 10	CC7682-4825
 T-75 CytoOne® Flask, Vented	20 x 5	CC7682-4875
 T-150 CytoOne® Flask, Vented	8 x 5	CC7682-4815
 T-225 CytoOne® Flask, Vented	5 x 5	CC7682-4822
Non-Treated		
 T-25 CytoOne® Flask, Vented	30 x 10	CC7672-4825
 T-75 CytoOne® Flask, Vented	20 x 5	CC7672-4875
 T-150 CytoOne® Flask, Vented	8 x 5	CC7672-4815
 T-225 CytoOne® Flask, Vented	5 x 5	CC7672-4822

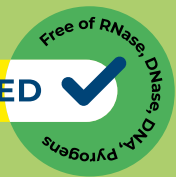


Non-treated flasks can be identified by their white caps



All flasks supplied in easy-open, resealable zip top bags to protect unused flasks

CERTIFIED



Technical specifications

Flask type	Growth area	Neck	Working volume	Max. volume without neck	Max. volume with neck
T-25	25 cm ²	Canted	5.0 ml	70 ml	75 ml
T-75	75 cm ²	Canted	20 ml	279 ml	290 ml
T-150	150 cm ²	Canted	30 ml	591 ml	603 ml
T-225	225 cm ²	Angled	60 ml	1,006 ml	1,024 ml



www.starlab.click/flasks

Cell Scrapers.


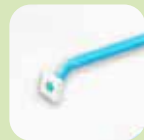


GENTLE HARVESTING

Gently raise / lift the cells from the surface with Starlab cell scrapers. Pivoting blades pivot the full 360° around the handle for easy access to flask corners. Flexible ABS handles provide easy handling inside flasks.



www.starlab.click/cellscrapers

Ordering Information & Specifications

				
Article No.	CC7600-0220	CC7600-0250	CC7600-0320	CC7600-0300
Pack Size	100	100	100	150
Length	220 mm	250 mm	320 mm	300 mm
Handle style	Straight	Angled	Dual angled	Straight
Handle material	Flexible ABS	Flexible ABS	Flexible ABS	Flexible ABS
Blade type	Fixed	Pivoting	Pivoting	Pivoting
Blade size	11 mm	10 mm	12 mm	20 mm
Blade material	Silicone	Silicone	Silicone	Polyethylene
For use with	Plates, dishes	Small flasks	Large flasks	Large flasks
Certified	☑ 1)	☑ 1)	☑ 1)	☑ 2)
Gamma sterilised	SAL 10 ⁻⁵	SAL 10 ⁻⁵	SAL 10 ⁻⁵	SAL 10 ⁻⁶

1) RNase, DNase, DNA & Pyrogen free. 2) RNase & DNase free. Note: All cell scrapers are supplied individually-wrapped.

15 ml & 50 ml Centrifuge Tubes.

DESIGNED FOR CELLS

Starlab's 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).

Maximum centrifugation rates

Conical Tubes 15 & 50 ml: 12,000 x g

Skirted Tube 50 ml: 6,000 x g



Racked tubes are supplied in recyclable cardboard trays

KEY BENEFITS

- ✓ Clear, sterile polypropylene tubes with green HDPE screw caps
- ✓ White writing surface and clearly printed graduations
- ✓ Shorter length, 2.5 turn screw caps with sealing ring prevents leaking
- ✓ Perfect for centrifugation of cells: USP Class VI, non-cytotoxic and sterile (SAL 10^{-6}) material
- ✓ Certified RNase, DNase, DNA and Pyrogen free



15 ml conical



50 ml conical



50 ml skirted

Description	Pack Size	Art. No.
Conical Tubes		
15 ml Centrifuge Tube, Conical, Loose (Sterile)	20 x 25	E1415-0100
15 ml Centrifuge Tube, Conical, Racked (Sterile)	20 x 25	E1415-0700
50 ml Centrifuge Tube, Conical, Loose (Sterile)	20 x 25	E1450-0100
50 ml Centrifuge Tube, Conical, Racked (Sterile)	20 x 25	E1450-0700
Skirted Tubes		
50 ml Centrifuge Tubes, Skirted, Loose (Sterile)	20 x 25	E1450-0400

 www.starlab.click/centrifugetubes

Bottle Top Filtration system.

TOGETHER OR ON THEIR OWN

Starlab's Bottle Top Filtration system is available as:

- complete full assembly units
- bottle top funnels only
- media bottles only

Robust and compact, the filtration system saves on valuable space and plastic waste, with minimal vacuum packaging to ensure cleanliness.

The PES membrane is ideal for the filtering of Fetal Bovine Serum (FBS) and other viscous solutions.

The system is a perfect partner for your sterile filtration, media preparation and media storage needs.

Available in four volumes:

150 ml, 250 ml, 500 ml, 1000 ml



QUALITY, QUALITY, QUALITY

Starlab's Bottle Top Filtration System (full assembly units, funnels only and media bottles) is manufactured under ISO13485 and ISO9001 quality management systems, in a Class 100,000 clean room environment and printed with the batch number for easy traceability, as well as the expiry date.

Ordering Information					
		150 ml	250 ml	500 ml	1000 ml
Full Assembly Unit					
	0.22 µm PES membrane	CC8221-3226 Pack of 12	CC8221-4226 Pack of 12	CC8221-5226 Pack of 12	CC8221-6226 Pack of 12
	0.45 µm PES membrane	CC8221-3456 Pack of 12	CC8221-4456 Pack of 12	CC8221-5456 Pack of 12	CC8221-6456 Pack of 12
Funnel Tops only					
	0.22 µm PES membrane	CC8222-3226 Pack of 24	CC8222-4226 Pack of 24	CC8222-5226 Pack of 24	CC8222-6226 Pack of 24
	0.45 µm PES membrane	CC8222-3456 Pack of 24	CC8222-4456 Pack of 24	CC8222-5456 Pack of 24	CC8222-6456 Pack of 24
Media Bottles only					
	Bottle & Cap	CC8221-3000 Pack of 24	CC8221-4000 Pack of 24	CC8221-5000 Pack of 24	CC8221-6000 Pack of 24



www.starlab.click/filtration

THE PERFECT PARTNER

Starlab Aspirator, see pages 18 & 19



KEY BENEFITS

- ☑ Crystal clear polystyrene funnel top and bottle base
- ☑ Funnels with PES membrane with 0.22 µm or 0.45 µm pore size
- ☑ GL45 thread compatible funnels
- ☑ Temperature use range: -20 °C to + 50 °C
- ☑ Sterile (SAL 10⁻⁶) to ISO11137
- ☑ 3-year shelf life
- ☑ Certified RNase, DNase and Pyrogen free
- ☑ Certified non-cytotoxic
- ☑ Certified heavy metal free
- ☑ Reduced plastic vacuum packaging



150 ml



250 ml



500 ml



1000 ml

Cell Strainers.



Cell Strainers with three different mesh sizes

Designed to fit perfectly into 50 ml centrifuge tubes

UNIFORMITY

Strain your stem and primary cell samples with Starlab's Cell Strainers. Available in three sizes, the nylon mesh provides you with uniform cell suspensions from tissue and preparation of flow cytometry samples.

KEY BENEFITS

- ☑ 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

Description	Pack Size	Article No.
 40 µm Cell Strainer, Blue (Sterile)	50	CC8111-0042
 70 µm Cell Strainer, White (Sterile)	50	CC8111-0072
 100 µm Cell Strainer, Yellow (Sterile)	50	CC8111-0102



www.starlab.click/cellstrainer

Syringe Filters.

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.

KEY BENEFITS

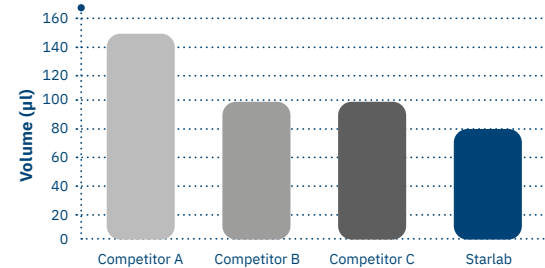
- ☑ High bubble point membrane provides tighter pore size for greater security
- ☑ High burst pressure ensures safe operation
- ☑ Large filtration surface area allows you to filter your sample more easily
- ☑ Low hold-up volume provides maximum recovery of your solution
- ☑ Surfactant-free membrane for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



www.starlab.click/syringefilters

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

Up to nearly half the hold-Up volume of other syringe filters.



Tested against market-leading syringe filters.

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.



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

Erlenmeyer Flasks.

DESIGNED TO BE REUSED

Starlab's Erlenmeyer flasks are ideal for the cultivation of bacteria, yeast and fungi, as well as plant and animal cells in suspension.

User convenience and flexibility is provided by the vented caps which have an integral 0.22 µm PTFE membrane, making these flasks suitable for both vented and non-vented applications.

Better still, the flasks are autoclavable and designed for reuse. They have been **tested to withstand at least 10 autoclave cycles!**

Available in volumes 125 ml to 3000 ml with a flat or baffled based to suit your application needs.

KEY BENEFITS:







- ✓ Dual function, vented caps provide sterile air exchange or a tight seal
- ✓ 0.22 µm PTFE cap membrane
- ✓ GL45 thread compatible funnels
- ✓ Compatible with standard shaking incubator tables and clamps
- ✓ Sterility level (SAL 10⁻⁶) fulfills the highest demands
- ✓ Certified RNase, DNase, DNA and Pyrogen free
- ✓ Tested to withstand at least 10 autoclave cycles
- ✓ Shatterproof
- ✓ Visibly clearer than glass, with no etches to prevent the removal of chemical residues

DUAL-FUNCTION CAPS

Polypropylene caps with a 0.22 µm PTFE membrane, ideal for both aerobic and anaerobic cultures. Remove the top section to allow sterile exchange, and then replace when ready. No contamination risk or hassle of switching caps. You need only stock one flask type for all cultures.



Description	Pack Size	Art. No.
Flat Base		
125 ml Erlenmeyer Flask, Flat Base	24	E5000-1012
250 ml Erlenmeyer Flask, Flat Base	12	E5000-1025
500 ml Erlenmeyer Flask, Flat Base	12	E5000-1050
1000 ml Erlenmeyer Flask, Flat Base	6	E5000-1100
2000 ml Erlenmeyer Flask, Flat Base	6	E5000-1200
3000 ml Erlenmeyer Flask, Flat Base	3	E5000-1300
Baffled Base		
125 ml Erlenmeyer Flask, Baffled Base	24	E5001-1012
250 ml Erlenmeyer Flask, Baffled Base	12	E5001-1025
500 ml Erlenmeyer Flask, Baffled Base	12	E5001-1050
1000 ml Erlenmeyer Flask, Baffled Base	6	E5001-1100
2000 ml Erlenmeyer Flask, Baffled Base	6	E5001-1200
3000 ml Erlenmeyer Flask, Baffled Base	3	E5001-1300

TECHNICAL SPECIFICATIONS*						
						
Flask volume	125 ml	250 ml	500 ml	1000 ml	2000 ml	3000 ml Fernbach Style
Recommended fill volume	31 – 50 ml	62 – 100 ml	125 – 200 ml	250 – 400 ml	500 – 800 ml	750 – 1200 ml
Base diameter	71 mm	83 mm	105 mm	137 mm	165 mm	230.5 mm
Height (w/o cap)	105 mm	133 mm	156 mm	204 mm	265 mm	250 mm
Height (with cap)	114.3 mm	142.3 mm	165.3 mm	215.8 mm	276.8 mm	260 mm
Sterility level	SAL 10 ⁻⁶					
Cap air flow	3 L/min/cm ²					
Recommended rotation speed	0 - 200 rpm					
Temperature range	Flasks: -40 °C to 125 °C / Caps: 0 °C to 125 °C					
Autoclavable	Yes (caps and flasks, at least 10 cycles)					

 www.starlab.click/erlenmeyers



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 (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. You can also use the Aspirator as a mobile vacuum source for sterile filtration and solid phase extraction.



Easy to handle

Pressing the lever allows fine adjustment of the suction power. Permanent suction can also be enabled.



8-channel tip adapter

The 8-channel adapter for 200 µl and 300 µl pipette tips is the perfect choice for working with cell culture plates.



Hydrophobic filter

Hydrophobic filter prevents contamination of environment and provides overflow protection.



Quick coupling

Autoclavable, self-sealing quick couplings allow safe decontamination of biological risks.

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

Technical specifications

Maximum pumping speed	16.7 l/min
Adjustable range of vacuum	150 – 850 mbar
Maximum permissible inlet/outlet pressure	1.1 bar
Noise level	45 dB(A)
Permissible ambient temperature	10 – 40 °C
Permissible relative humidity	38 – 85 %
Maximum power consumption	40 W
Power supply	230 V + 10 %, 50/60 Hz
Weight	7.3 kg
Dimensions (W x D x H)	408 x 194 x 500 mm

THE IMPORTANCE OF ACCESSORIES! HERE'S A GUIDE OF WHAT TO BUY.

To add an exchange bottle:

N2400-9010 (fast coupling N2400-9008 also recommended)

To have a self-sealing system applicable for biological risks:

N2400-9008 plus N2400-9009

N2400-9000¹⁾ includes everything you need to get started: Aspirator, 4 Litre Polypropylene Bottle with Protection Filter and Inlet Pipe, Hand Controller, including 2.5 m Tubing, a Wall Mount, an Adapter for Pipettes, and an Adapter for Pipette Tips.

To have a benchtop stand for your Hand Controller:

N2400-9004

To have a fast coupling system:

N2400-9008 plus N2400-9009.

To use stronger chemicals (eg. sodium hypochlorite) or staining solutions:

N2400-9012 plus N2400-9013

To work with cell culture plates:

N2400-9003

To add a second Hand Controller:

N2400-9001 plus N2400-9006 or N2400-9008

To have a tip ejector for your Hand Controller:

N2400-9002

To have easy access to your under bench Aspirator

N2400-9014



Description

Art. No.



Aspirator

N2400-9000

¹⁾ Aspirator is supplied with everything you need to get started. 1-year warranty.



www.starlab.click/Aspirator

Accessories



Hand Controller for Aspirator. Includes one Adapter for Pipettes, one Adapter for Pipette Tips, a Wall Mount, and 2.5 m Tubing.

N2400-9001



1-Channel Tip Adapter for Hand Controller

N2400-9002



8-Channel Tip Adapter for Hand Controller

N2400-9003



Stand for Hand Controller

N2400-9004



Tubing for Hand Controller (2.5 m)

N2400-9005



Connection Kit for Second Hand Controller

N2400-9006



Protection Filter with Connective Tubing

N2400-9007



Quick Coupling: Hand Controller to Bottle

N2400-9008



Quick Coupling: Bottle to Pump

N2400-9009



4 Litre Polypropylene Bottle with Filter and Inlet Pipe

N2400-9010



4 Litre Polypropylene Bottle with Screw Cap

N2400-9011



2 Litre Glass Bottle with Filter and Inlet Pipe

N2400-9012



Adapter for 2 Litre Glass Bottle

N2400-9013



Mobile Underframe

N2400-9014



Tool for Diaphragm Change

N2400-9015



Adapter for Pipettes

N2400-9016

ErgoOne® FAST pipette controller.

FLEXIBLE, ACCURATE, SAFE TRANSFER



www.starlab.click/ergoonefast

ErgoOne® FAST

Article No. S7166-0010

- 1 LIGHTWEIGHT FOR MAXIMUM OPERATING COMFORT**
The ErgoOne® FAST is lightweight, ergonomic and designed to balance perfectly in the hand to provide maximum operating comfort for fatigue-free pipetting.
- 2 PRESSURE-RESPONSIVE SPEED CONTROL**
Speed is regulated by pressure sensitive control buttons. Unlike other controllers, there is no need to select a separate speed setting. Smooth operation of the control buttons provides fast and accurate pipetting. The ErgoOne® FAST can fill a 25 ml pipette in less than 4 seconds!
- 3 BATTERY-LIFE INDICATOR**
Traffic light display provides easy, visual identification of battery life. However, you will never be without your pipette controller because it can be recharged during use.
- 4 SAFE AND SECURE FIT FOR ALL PIPETTES**
Use with all glass or plastic pipettes, from 1.0 ml to 100 ml. The autoclavable aspiration cone and silicone pipette holder ensures a secure seal for your liquids while the filter protects your pipette. The nose cone is designed so it cannot accidentally be over tightened and cause possible damage to the part.
- 5 MODERN BATTERY TECHNOLOGY**
Completely charged, the battery can perform 2000 x 25 ml dosing cycles. The Lithium-Polymer battery guarantees a constant pipetting speed that will not diminish as the battery charge declines. The battery is also very easy to replace!

Serological & Aspiration pipettes.

SEROLOGICAL PIPETTES

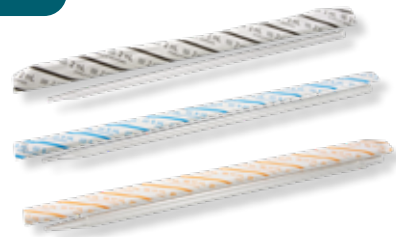
Polystyrene pipettes for sterile serological and tissue culture applications. Colour-coding on both the pipettes and the packaging provides easy volume identification. Black printed, easy-to-read ascending and descending graduations simplify fluid measuring and dispensing, and all pipettes (excl. 100 ml) feature negative graduations for extra working volume. Accuracy $\pm 2\%$.



Volume	Pack Size	Art. No.
1.0 ml	500	E4860-0001
2.0 ml	500	E4860-0002
5.0 ml	200	E4860-0005
10 ml	200	E4860-0010
25 ml	150	E4860-0025
50 ml	100	E4860-0050
100 ml	50	E4860-1100

All serological pipettes are sterile and individually wrapped.

www.starlab.click/serologicalpipettes



ASPIRATION PIPETTES

Use for vacuum aspirating procedures or the transfer of fluids where volume accuracy is not a requirement.

Volume	Pack Size	Art. No.
2.0 ml	500	E4861-0002
5.0 ml	200	E4861-0005
10 ml	200	E4861-0010

All Aspiration pipettes are sterile and individually wrapped.

www.starlab.click/aspirationpipettes

KEY BENEFITS

- ☑ Supplied in individual paper-plastic peel-back wraps
- ☑ Colour coded for easy volume identification
- ☑ Gamma sterilised to SAL 10^{-6} (ISO 11137)
- ☑ Certified RNase, DNase & Pyrogen free
- ☑ Non-cytotoxic and non-haemolytic, latex-free USP Class VI Polystyrene
- ☑ ISO9001 and ISO13485 manufactured

Lot number and expiry date on every pipette



GuardOne® Workstation.



 www.starlab.click/guardone

ALL IN FOR YOUR APPLICATIONS

Starlab's GuardOne® Workstation provides the ideal workspace for sensitive and critical applications requiring a clean environment or protection from potential contamination by bacteria, DNA or RNA. The GuardOne® Workstation minimizes cross-contamination risk to protect your valuable samples and reagents¹⁾, thus helping to prevent both the time and cost involved by having to duplicate contaminated work.

Every aspect of GuardOne® has been designed with convenience in mind. All functions are controlled via the glove compatible, easy to use touchscreen. HEPA filter exchange and UV lamp exchange in just 2 minutes.

Suitable for non-pathogenic Class I cell culture applications.



Dead Air Workstation 32"

S8040-1000



Dead Air Workstation 48"

S8040-1001



Laminar Flow Workstation 32"

S8040-0000



Laminar Flow Workstation 48"

S8040-0001



- One-touch QuickStart / QuickStop settings
- Efficient UV_{245 nm} decontamination with timer function
- Efficient, class H14 HEPA filter with pre-filter provides ISO class 5 working environment²⁾
- Real-time airflow measurement²⁾
- ~9000 hour UV lamp
- Life-span monitoring of consumables
- Virtually maintenance-free
- Easy to clean

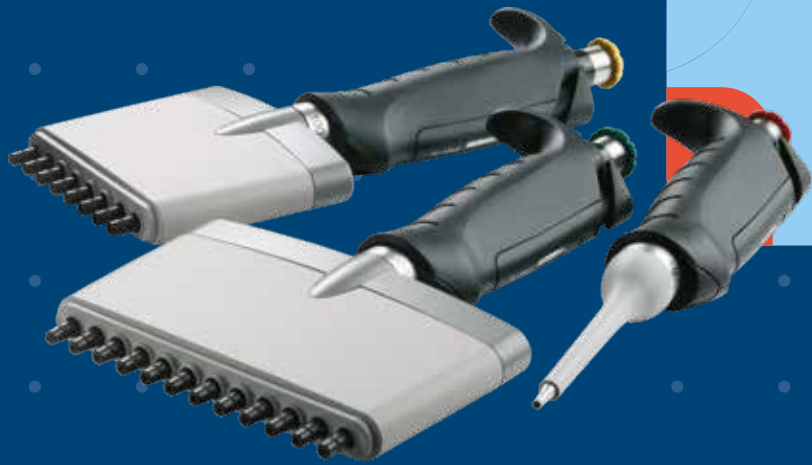
¹⁾GuardOne® is not designed to protect the operator.

²⁾Laminar-flow models only.

The **perfect** cell culture partners.

ErgoOne® manual Pipettes

- ✓ Ergonomic design
- ✓ Low maintenance
- ✓ Accuracy and precision you can trust
- ✓ Fully autoclavable



www.starlab.click/manualpipettes

TipOne® Pipette Tips

- ✓ Universal tip fit
- ✓ Highest quality tips
- ✓ TipOne® filter tips have one of the best filters available on the market
- ✓ Certified RNase, DNase, DNA & Pyrogen free
- ✓ Various packaging options: racked, refill, sterile, non-sterile
- ✓ Plastic-saving pipette tip system



www.starlab.click/tipone



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YOUR CELLS DESERVE THE BEST

Starlab's range of cell culture performance ware is designed for optimal performance and manufactured to the highest quality standards.

Discover our range of cell culture consumables and equipment suitable for your daily cell culture needs.

Outfit your cells for true performance with Starlab cell culture products.



www.starlab.click/cellculture