

LIQUID HANDLING TECHNOLOGY

# Get GREEN with STARLAB

PRODUCTS FOR THE LABORATORY 2019/2020

Pipette Tips, Robotic Tips, Pipettes, Pipette Servicing, Consumables, Cell Culture, Sample Storage, Smart Instruments, Protection.



# Anything else you need to know...



#### **New products**

We work very closely with our customer network to continuously improve the products we offer, and to seek out new opportunities both from a product and support perspective. In this catalogue you will find several new products - look out for the New! symbol.



#### TipFinder - find the right tip for your pipette

Did you know STARLAB tips fit most pipettes on the market? To help you find the perfect match for your pipette, we created the STARLAB TipFinder.

STARLAB TipOne® pipette tips offer a wide range of choice with standard TipOne® pipette tips, TipOne® Filter Tips or TipOne® RPT. To find the right tip for your pipette, visit www.starlab.click/tipfinder

www.starlab.co.uk





#### Try before you buy

We are confident that our consumables will meet your research needs, but also understand you may wish to test a product before using it long-term for your valuable research. That's why we offer our customers the opportunity to Try Before You Buy!

www.starlab.click/samplerequest



#### StarGuardselect

Let us help you select the right glove for the job in hand. STARGUARDselect can help you make the right decision by providing information on each glove's chemical breakthrough times.

STARGUARDselect will provide you with your personal protection solution in just a few clicks.

www.starlab.click/starguardselect

### STARLAB ordering service

Customer Account No:	Your STARLAB Account Manager:
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# **Contents**

	ABOUT STARLAB 02 - 04
	• Get Green with STARLAB • Total Liquid Handling
•	PIPETTE TIPS
	◆ TipOne® Pipette Tips    ◆ Speciality Tips    ◆ Dispenser Tips
<b>•</b>	ROBOTIC TIPS
	<ul> <li>Overview • Tip-Robot Compatibility • Beckman Coulter® • Packard® • Tecan® • Perkin Elmer® • Qiagen®</li> <li>Robotic Reservoirs</li> </ul>
<b>•</b>	<b>PIPETTES</b>
	<ul> <li>Manual Pipettes • Electronic Pipettes • Pipette Controllers • Pipette Stands • Polystyrene Pipettes</li> <li>Repeat Dispenser</li> </ul>
<b>•</b>	SERVICING & CALIBRATION45 - 54
	• Pipette Servicing • Pipette Training • Pipette Spares • Balance Calibration • Timer / Stopwatch Calibration
<b>•</b>	CONSUMABLES 55 – 96
	<ul> <li>Tubes • PCR Consumables • Plates • Plate Sealing • Parafilm® • Autoclaving • Cuvettes</li> <li>Filtration Funnels • Reagent Reservoirs • Loops &amp; Spreaders • Pastuer Pipettes • Spatulas &amp; Weighboats</li> <li>Labelling</li> </ul>
<b>•</b>	CELL CULTURE 97 – 112
	<ul> <li>CytoOne® Overview • Cell Culture Dishes • Cell Culture Plates • Cell Culture Flasks</li> <li>Cell Scrapers • Centrifuge Tubes • Cell Strainers • Syringe Filters • Cell Culture Filtration</li> </ul>
<b>•</b>	SAMPLE STORAGE 113 – 134
	• Storage Boxes & Racks • Benchtop Coolers • Stainless Steel Storage • Freezer Racking Systems
<b>•</b>	SMART INSTRUMENTS135 – 156
	• Mixers • Shakers • Stirrers • Dry Bath Incubators • Centrifuges • PCR Cabinets • Underbench Freezer
<b>•</b>	PROTECTION 157 – 175
	• Disposable Gloves • Laboratory Disinfectant • Benchtop Safety • Disposal
<b>•</b>	INDEX
	• Alphabetical Index • Index by Catalogue Number • Notes

### **Get Green** with STARLAB!

STARLAB prides itself on being a green company. We work on long-term strategies to reduce the company's impact on the environment for both the products we produce and the day-to-day running of the business. All aspects of the business which have an environmental impact are continually monitored with the view to reducing that impact by 5% each year. STARLAB was one of the first UK companies within its sector to obtain ISO 14001 certification for Environmental Management.

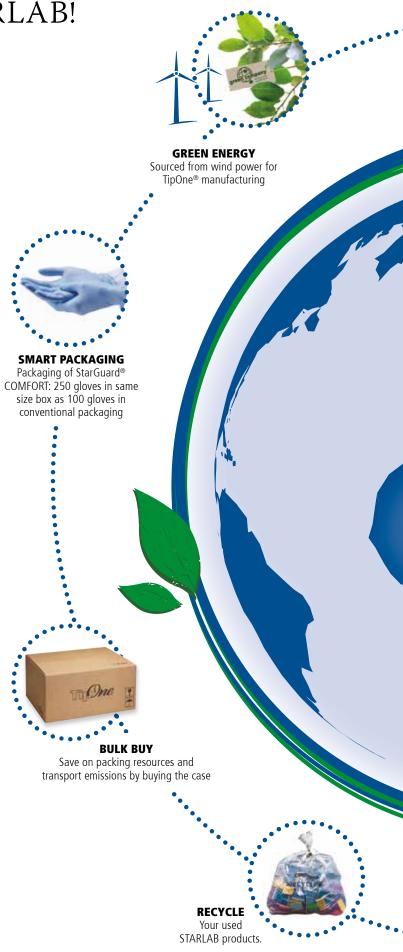
STARLAB is committed to promoting sustainability in science. Our green ideas start with our "reduce, reuse, refill, recycle" philosophy for the Research and Development of greener products.

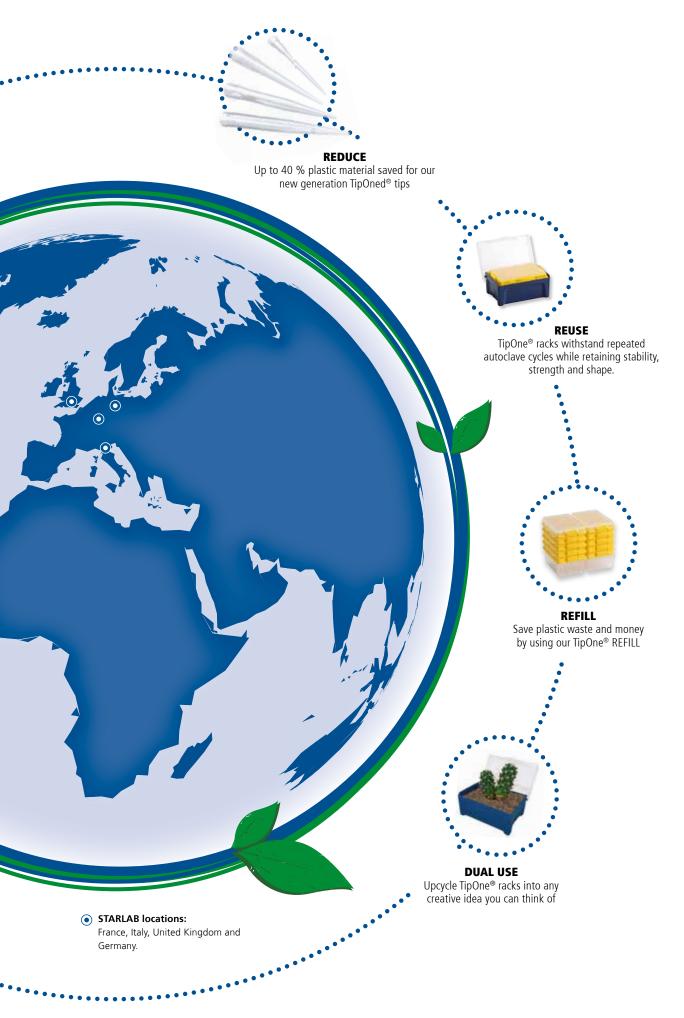
Our market-leading TipOne® pipette tip system is at the forefront of our green initiatives and is designed to reduce plastic waste; the tip rack is reusable with plastic-saving refills and all components of the system are recyclable.

STARLAB continually reviews all our processes to ensure we maintain and implement good, sustainable business practices. Our aim is that our commitment to reducing our impact on the environment will help our customers achieve their own sustainable purchasing objectives.

Visit our website to learn more about STARLAB's green initiatives: www.starlab.click/green







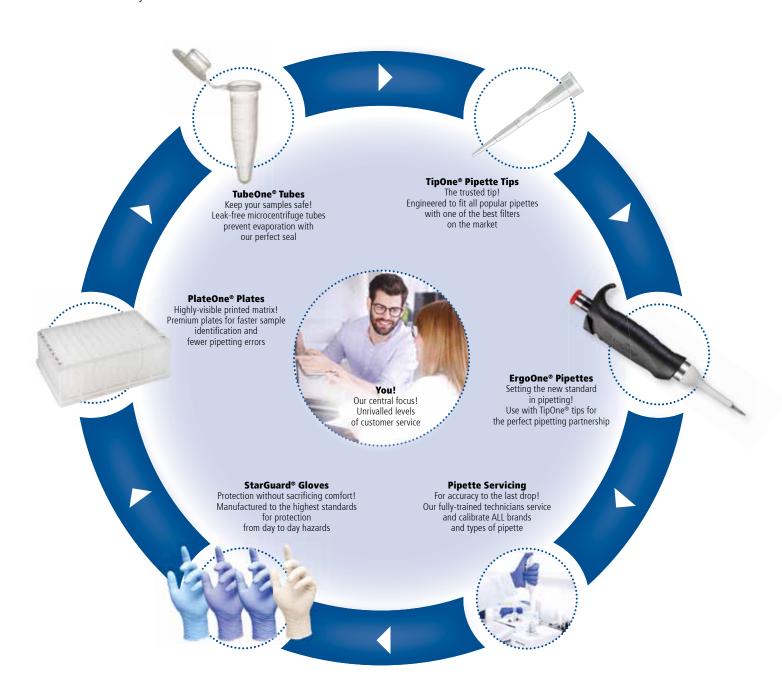
## **Total** Liquid Handling

STARLAB are liquid handling experts. We have many years' experience in automated injection moulding processes for the manufacture and sale of high quality laboratory consumables for research and development.

With TipOne® we have developed one of the world's leading pipette tip systems. STARLAB manufactured products are in daily use in laboratories throughout the world and have a proven track record of performance and reliability.

We have earned an excellent reputation within the research community as a consultative company who takes a structured approach to Liquid Handling products and support.

We work very closely with our customer network to continuously improve the products we offer, and to seek out new opportunities both from a product and support perspective.





### TipOne® PIPETTE TIPS

TipOne® The Trusted Tip	06-07
A System with a System!	08
System Components Overview	08
The Perfect Rack	09
The Clever Refill	10
The Unique Filter Tip Refill	10
The Compact Stack Rack	11
The Self-Standing Bag	11
TipOne® Standard Tips	12-13
TipOne® Filter Tips	14–15
TipOne® RPT	16–17
TipOne® Recycling	18

### **SPECIALITY TIPS**

Extended Length Tips	19
384-Format Tips	19
Individually Wrapped Tips	19
Large Volume Tips	20-21
Wide Orifice Tips	22
Gel Extraction Tool	22
Gel-Loading Tips	23
DISPENSER TIPS	
TipOne® Repeat	24

### The Trusted Tip

TipOne® is the original refillable, reusable and recyclable pipette tip system. Recent improvements to the design of the system, based on customer-feedback, is why TipOne® is one of the leading tips for research labs.

Convenience and quality are at the heart of the system and TipOne® remains the same tip that you have used and trusted over the years.

# Latest Technology! Manufacture

The use of multiple cavity tools for the injection moulding process guarantees high conformity within one batch. The automated moulding and assembling procedures are carried out under clean-room conditions to eliminate contamination.

# **Intensive!**Quality Control

Automated Quality Control procedures ensure that TipOne® is inspected for 100% performance. Every TipOne® product is certified RNase, DNase, DNA and Pyrogen free.

Sterile TipOne® tips have been validated according to EN ISO 11137-2:2007.

#### Unique collar

Our newest tips can be recognised by the jagged design on the tip collar.







# **Proven!**Material

All TipOne® tips are manufactured from pure, virgin polypropylene to ensure the highest quality product.



### Excellent!

#### Filter

The TipOne® filter is one of the best on the market and protects against aerosol cross-contamination without trapping your valuable samples. The filters contain no additives to interfere with samples. For more info see pages 14–15.

<sup>\*</sup> TipOne® tips in all packaging units Rack, Refill-System, Stack-Rack, Bag and Filter-Refill are designed and constructed for low-contamination transfer of liquids, in particular for samples from the human body and for reagents within the scope of an in-vitro diagnostic application in order to allow the in-vitro diagnostic device to be used as intended. The above mentioned TipOne® are in-vitro diagnostic devices according to Directive 98/79/EC of the European Parliament and the Council dated October 27, 1998. They are intended exclusively for single use and for application by qualified staff.



#### Thin-walled tip collar

The flexible tip collar fits all popular pipettes, even those with worn tip holders! Thin-wall technology ensures a perfect seal while also reducing the loading and ejection forces.

#### **Universal!** One tip fits all

The tip collar is engineered to fit all popular pipettes without any loss of accuracy or precision.

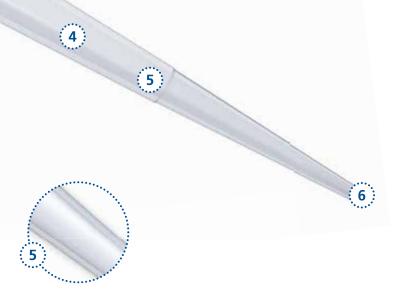
#### Green tip design

A reduction of up to 40% in the material used for the production of TipOne® tips helps to save valuable resources and is beneficial for the environment.



#### Thin-walled tip

The use of the latest injectionmoulding processes produces highprecision, thin-walled tips with excellent clarity for better visibility of your samples.



#### **Brilliant! Highly polished moulds**

For an extremely smooth surface to reduce sample retention.

### Low Retention! TipOne® RPT

For improved flow dynamics of sticky liquids. For more information see pages 16-17.



#### **UltraPoint orifice**

Prevents sample hang up and makes it easier to touch-off the last drop of sample.

### **A system** with a system!

#### One System, One Solution!

The TipOne® system is reusable, refillable and recyclable and every part of the system is interchangeable with the rest.

#### Compact, durable and green design

TipOne® is designed to be a green system. Our refill design reduces the amount of raw materials needed for its manufacture, resulting not only in less consumption of resources, but also the lowering of CO, emissions during production and transportation. Not only is this more environmentally-friendly, its compact design also helps save valuable storage space in your lab. The remarkable durability of our racks means they can be reused with the refill again and again, even if autoclaving, without any loss to their stability or shape. All components of the TipOne® system are made from pure polypropylene (PP) for easy recycling where no separation of materials is required.





#### Intelligent quality

For us, providing you, the user, with all the information you need while you are pipetting at the bench is "Intelligent Quality". Our tip wafer contains all the useful information on the tips that it holds.

#### Clever

A 2D matrix code on each wafer allows full traceability of item and lot number, which is ideal for labs using Laboratory Information Management Systems (LIMS).

Experience tells us that our racks are refilled many times and having this information on the wafer avoids errors when racks are refilled with a different type or volume of tip.

#### Colour coded wafers for easy volume identification

Colour-coded wafers provide fast and easy volume identification at a glance

#### Simple!

The system comprises two racks only: one small, one large. Small rack for use with tip volumes 10 µl to 300 µl; large rack for use with tip volumes 1000 µl and 1250 µl.

Using our refills and reusing our racks could not be easier.



# System Components Overview



### The Perfect Rack

#### The perfect Rack

The rack is at the heart of the TipOne® pipette tip system:

- ► Made from pure polypropylene for excellent stability and durability
- ► Optimised base geometry and centre of gravity provides secure and precise handling
- ► Available in two sizes: small for tip volumes 10 µl to 300 µl and large for 1000 µl and 1250 µl tips
- ► Tip information is printed directly on the wafer, so you always know the volume and type of tips you are using, whether the tips were originally racked, or the rack is being reused with a refill.
- ► All components made of recyclable polypropylene



#### Remarkable durability



#### Autoclavable

Designed for prolonged and repeated use, TipOne® racks withstand repeated autoclave cycles while retaining stability, strength and shape. Autoclave with the lid closed and reduce the number of autoclave cycles by saving space in the autoclave and energy costs.



The racks are designed to stack safely on top of one another to help save valuable lab space.



#### Ideal for multi-channels

Unrestricted multi-channel access is provided by the optimised opening angle of the lid and the design of the wafer. The rack's base geometry and centre of gravity provides stability and the sturdy wafer ensures a secure tip fit across all channels.



Reuse the racks over and over with the easy to use refill system. This will reduce the amount of new plastic coming into your laboratory and minimise the plastic for recycling.

### The Clever Refill

#### The clever Refill

A quick and easy way to obtain economical racked tips.

- ► Supplied in two individually-wrapped stacks of five wafers
- ► Tip information printed on the wafers can be seen easily without having to expose the tips.
- ► Spacers between the layers protect tips from contamination (10/20µl, 300µl and1000µl volumes only)
- ▶ Once racked, the refills can be autoclaved
- ► All components made of recyclable polypropylene







- 1. Space saving
- 2. Autoclavable, once racked
- 3. Eco Friendly
- 4. Tip info printed on every wafer
- 5. Recyclable

# The Unique Filter Tip Refill

#### The unique Filter Tip Refill

Provides an economical and eco-friendly alternative to racked sterile filter tips.

- ► Quick and easy to load
- ► Individually wrapped
- ► Sterility is not compromised during racking
- ▶ Space saving using sterile filter refills to reload racks directly during long periods in hoods and PCR workstations saves up to 20 % precious space
- ► All components are made from easy to recycle polypropylene







- 1. Economical
- 2. Tip info printed on wafer is visible before and after being
- 3. Top and bottom shells protect integrity of sterile product
- 4. Space Saving and Eco Friendly
- 5. Recyclable

# The Compact Stack Rack

#### The compact Stack Rack

The Stack Rack provides 960 tips in one convenient and compact unit.

- ► Wide base for great stability
- ► Excellent choice for multi-channel use
- ► Transparent lid protects the tips when not in use
- ► Tip information printed on the wafers can be read easily through the transparent lid without having to expose the tips
- ► Autoclavable
- ▶ All components are made from easy to recycle polypropylene







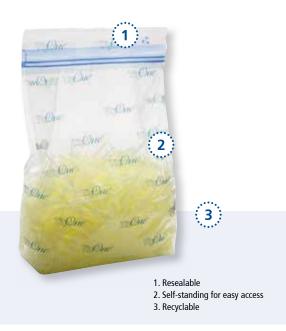
- 1. Compact
- 2. Autoclavable
- 3. Recyclable
- 4. Stable design
- 5. Recyclable

# The Self-Standing Bag

#### The self-standing Bag

Economical - ideal for teaching labs or non-critical work.

- ► Self-standing bag for easy and convenient access and storage
- ► Tamper-proof, easy-open perforation strip on bag
- ► Resealable zip-lock for safe, contamination-free storage
- ► Recyclable







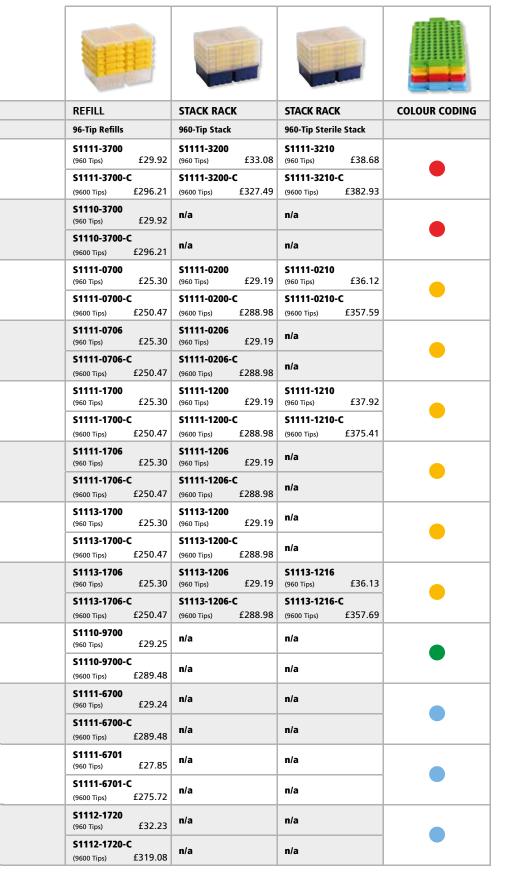




PIPETTE TIPS	LOOSE	RACKED	RACKED	
	1000 / Bag	96-Tip Racks	96-Tip Sterile Racks	
	<b>\$1111-3000</b> (1000 Tips) £22.62	<b>\$1111-3800</b> (960 Tips) £35.87	<b>\$1111-3810</b> (960 Tips) £42.56	
<b>10 μl</b> Graduated Tip (Graduations: 2,5 μl, 10 μl)	<b>S1111-3000-C</b> (50,000 Tips) £1119.69	<b>S1111-3800-C</b> (7680 Tips) £284.09	<b>S1111-3810-C</b> (7680 Tips) £337.08	
	<b>\$1110-3000</b> (1000 Tips) £22.62	<b>\$1110-3800</b> (960 Tips) £35.87	<b>\$1110-3810</b> (960 Tips) £42.56	
<b>10/20 μl</b> XL Graduated Tip (Graduations: 1 μl, 5 μl, 10 μl, 20 μl)	<b>S1110-3000-C</b> (50,000 Tips) £1119.69	<b>S1110-3800-C</b> (7680 Tips) £284.09	<b>S1110-3810-C</b> (7680 Tips) £337.08	
	<b>\$1111-0000</b> (1000 Tips) £21.29	<b>\$1111-0800</b> (960 Tips) £34.54	<b>S1111-0810</b> (960 Tips) £41.23	
<b>200 μl</b> Tip	\$1111-0000-C (25,000 Tips) £526.93	<b>S1111-0800-C</b> (7680 Tips) £273.56	<b>S1111-0810-C</b> (7680 Tips) £326.54	
	<b>\$1111-0006</b> (1000 Tips) £21.29	<b>\$1111-0806</b> (960 Tips) £34.54	<b>S1111-0816</b> (960 Tips) £41.23	
<b>200 μl</b> Yellow Tip	<b>\$1111-0006-C</b> (25,000 Tips) £526.93	<b>S1111-0806-C</b> (7680 Tips) £273.56	<b>S1111-0816-C</b> (7680 Tips) £326.54	
	<b>\$1111-1000</b> (1000 Tips) £21.29	<b>\$1111-1800</b> (960 Tips) £34.54	<b>S1111-1810</b> (960 Tips) £41.23	
<b>200 μl</b> Bevelled Tip	\$1111-1000-C (25,000 Tips) £526.93	<b>S1111-1800-C</b> (7680 Tips) £273.56	<b>S1111-1810-C</b> (7680 Tips) £326.54	
	<b>\$1111-1006</b> (1000 Tips) £21.29	<b>S1111-1806</b> (960 Tips) £34.54	<b>S1111-1816</b> (960 Tips) £41.23	
<b>200 μl</b> Yellow, Bevelled Tip	\$1111-1006-C (25,000 Tips) £526.93	<b>S1111-1806-C</b> (7680 Tips) £273.56	<b>S1111-1816-C</b> (7680 Tips) £326.54	
	\$1113-1000 (1000 Tips) £21.29	<b>\$1113-1800</b> (960 Tips) £34.54	<b>S1113-1810</b> (960 Tips) £41.24	
200 μl UltraPoint Graduated Tip (Graduations: 10 μl, 50 μl, 100 μl)	\$1113-1000-C (25,000 Tips) £526.93	<b>S1113-1800-C</b> (7680 Tips) £273.56	<b>S1113-1810-C</b> (7680 Tips) £326.54	
	<b>\$1113-1006</b> (1000 Tips) £21.29	<b>S1113-1806</b> (960 Tips) £34.54	<b>S1113-1816</b> (960 Tips) £41.24	
<b>200 μl</b> UltraPoint Yellow Graduated Tip (Graduations: 10 μl, 50 μl, 100 μl)	<b>\$1113-1006-C</b> (25,000 Tips) £526.93	<b>S1113-1806-C</b> (7680 Tips) £273.56	<b>S1113-1816-C</b> (7680 Tips) £326.54	
	\$1110-9000 (1000 Tips) £23.35	<b>\$1110-9800</b> (960 Tips) £38.08	<b>S1110-9810</b> (960 Tips) £45.37	
<b>300 μl</b> Graduated Tip (Graduations: 100 μl, 200 μl, 300 μl)	<b>\$1110-9000-C</b> (25,000 Tips) £577.91	<b>S1110-9800-C</b> (7680 Tips) £301.59	<b>S1110-9810-C</b> (7680 Tips) £359.33	
	<b>\$1111-6000</b> (1000 Tips) £23.84	<b>\$1111-6800</b> (960 Tips) £38.95	<b>S1111-6810</b> (960 Tips) £45.97	
<b>1000 μl</b> Graduated Tip (Graduations: 250 μl, 500 μl, 1000 μl)	\$1111-6000-C (20,000 Tips) £472.03	<b>S1111-6800-C</b> (3840 Tips) £154.24	<b>S1111-6810-C</b> (3840 Tips) £182.04	
	\$1111-6001 (1000 Tips) £23.84	<b>\$1111-6801</b> (960 Tips) £38.95	<b>S1111-6811</b> (960 Tips) £45.97	
<b>1000 μl</b> Blue Graduated Tip (Graduations: 250 μl, 500 μl, 1000 μl)	\$1111-6001-C (20,000 Tips) £472.03	<b>S1111-6801-C</b> (3840 Tips) £154.24	<b>S1111-6811-C</b> (3840 Tips) £182.04	
	<b>\$1112-1020</b> (1000 Tips) £23.23	<b>S1112-1820</b> (960 Tips) £44.70	<b>S1112-1830</b> (960 Tips) £51.57	
<b>1250 μl</b> XL Graduated Tip (Graduations: 100 μl, 250 μl, 500 μl, 1000 μl)	<b>S1112-1020-C</b> (16,000 Tips) £367.96	<b>S1112-1820-C</b> (3840 Tips) £177.01	<b>S1112-1830-C</b> (3840 Tips) £204.22	

 $\textbf{NOTES:} \ \ \text{All tips shown actual size} \cdot "n/a" = not \ available.$ 







50000-1002: Small racks for use with all refills 10 µl to 300 µl **\$9999-1002:** Large racks for use with 1000 μl & 1250 μl refills



Racked and refill TipOne® products are supplied in these easy to stack shelf boxes.



Be green and buy by the case (part numbers ending with -C). Ordering by the case saves on packing materials and reduces transport emissions.



All TipOne® tips are certified RNase, DNase, DNA & Pyrogen free. The tips are designed to fit all popular pipettes without any loss of accuracy or precision.



# **TipOne** Filter Tips



#### Nothing goes through!

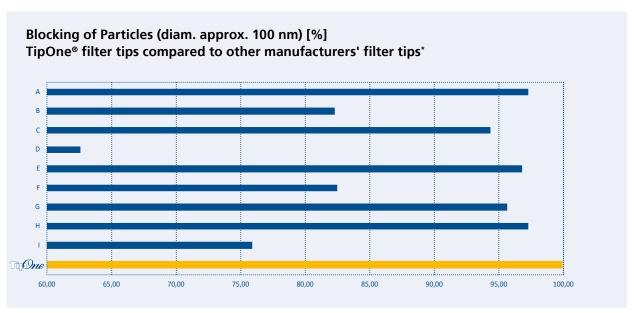
Protect your samples against unwanted contamination by using TipOne® filter tips. During pipetting, it is not possible to see with the eye if fine aerosols are going into your pipette. If they are, those aerosols can contaminate other samples at a later date. The TipOne® filter protects against aerosol cross-contamination without trapping your valuable samples.

TipOne® filter tips contain no additives to interfere with your samples and are one of the best filters available on the market. They are proven\* to block >99 % of aerosols. The results, shown below, speak for themselves!

#### **Filter Tip features**

- ► Highly effective HDPE filter
- ► Filter contains no additives to interfere with your samples
- ► The filter will not absorb samples, allowing recovery if necessary
- Sterile, and RNase, DNase, DNA and Pyrogen free





<sup>\*</sup>The comparative tests were conducted in 2018 in an independent test institute with filter tips from other leading manufacturers.











FILTER TIPS (STERILE)	RACKED	FILTER REFILL	COLOUR
	96-Tip Sterile Racks	96-Tip Sterile Refills	CODING
	<b>\$1121-3810</b> (960 Tips) £74.31	<b>\$1121-2710</b> (960 Tips) £66.88	
<b>10 μl</b> Graduated Filter Tip (Sterile) (Graduations: 2.5 μl, 10 μl)	<b>\$1121-3810-C</b> (7680 Tips) £588.51	<b>\$1121-2710-C</b> (7680 Tips) £529.70	
	<b>\$1120-3810</b> (960 Tips) £74.31	<b>\$1120-3710</b> (960 Tips) £66.88	
<b>10/20 μl</b> XL Graduated Filter Tip (Sterile) (Graduations: 1 μl, 5 μl, 10 μl, 20 μl)	<b>\$1120-3810-C</b> (7680 Tips) £588.51	<b>S1120-3710-C</b> (7680 Tips) £529.70	
	<b>\$1120-1810</b> (960 Tips) £70.42	<b>\$1120-1710</b> (960 Tips) £63.40	
<b>20 μl</b> Bevelled Filter Tip (Sterile)	<b>\$1120-1810-C</b> (7680 Tips) £557.73	<b>\$1120-1710-C</b> (7680 Tips) £502.15	
	<b>\$1123-1810</b> (960 Tips) £70.42	\$1123-1710 (960 Tips) £63.40	
<b>20 μl</b> UltraPoint Graduated Filter Tip (Sterile) (Graduation: 10 μl)	<b>\$1123-1810-C</b> (7680 Tips) £557.73	<b>\$1123-1710-C</b> (7680 Tips) £502.15	
	<b>\$1120-2810</b> (960 Tips) £70.42	\$1120-2710 (960 Tips) £63.37	
<b>50 μl</b> Bevelled Filter Tip (Sterile)	<b>\$1120-2810-C</b> (7680 Tips) £557.53	<b>\$1120-2710-C</b> (7680 Tips) £502.15	
	<b>\$1120-1840</b> (960 Tips) £70.42	<b>\$1120-1740</b> (960 Tips) £63.40	
100 μl Bevelled Filter Tip (Sterile)	<b>\$1120-1840-C</b> (7680 Tips) £557.53	<b>\$1120-1740-C</b> (7680 Tips) £502.15	
	<b>\$1123-1840</b> (960 Tips) £70.42	<b>\$1123-1740</b> (960 Tips) £63.40	
<b>100 μl</b> UltraPoint Graduated Filter Tip (Sterile) (Graduations: 10 μl, 50 μl, 100 μl)	<b>\$1123-1840-C</b> (7680 Tips) £557.53	<b>\$1123-1740-C</b> (7680 Tips) £502.15	
	<b>\$1120-8810</b> (960 Tips) £70.42	<b>\$1120-8710</b> (960 Tips) £63.40	
<b>200 μl</b> Graduated Filter Tip (Sterile) (Graduations: 50 μl, 100 μl, 200 μl)	<b>\$1120-8810-C</b> (7680 Tips) £557.53	<b>\$1120-8710-C</b> (7680 Tips) £502.15	
	\$1120-9810 (960 Tips) £74.32	\$1120-9710 (960 Tips) £66.88	
<b>300 μl</b> Graduated Filter Tip (Sterile) (Graduations: 100 μl, 200 μl, 300 μl)	<b>\$1120-9810-C</b> (7680 Tips) £588.59	<b>S1120-9710-C</b> (7680 Tips) £529.70	
	<b>\$1122-1830</b> (960 Tips) £74.31	\$1122-1730 (960 Tips) £66.88	
<b>1000 µl</b> XL Graduated Filter Tip (Sterile) (Graduations։ 100 µl, 250 µl, 500 µl, 1000 µl)	<b>\$1122-1830-C</b> (3840 Tips) £294.26	<b>\$1122-1730-C</b> (3840 Tips) £264.85	

NOTES: All tips shown actual size.

Empty racks for use with the refills are available for FREE!

S0000-1002: Small racks for use with all refills  $10\,\mu l$  to  $300\,\mu l$ **\$9999-1002:** Large racks for use with  $1000\,\mu l$  &  $1250\,\mu l$  refills

#### TipOne® Filters

TipOne® filters are made from high density pure polyethylene. They contain no additives which can interfere with your sample. The filters are hydrophobic and will not absorb your samples the way sealing filters do, allowing recovery of your valuable samples if necessary.





# TipOne® RPT



#### RPT: A technical breakthrough!

STARLAB's Repel Polymer Technology (RPT) optimises conventional polypropylene surfaces to improve the flow of 'sticky' liquids.

STARLAB's TipOne® RPT tips have no coating to interfere with your sample and offer an extremely hydrophobic surface.



# All TipOne® RPT tips are certified RNase, DNase, DNA and Pyrogen free.

TipOne® tips are designed to fit all popular pipettes without any loss of accuracy or precision.

TipOne® RPT tips are supplied in the same style packaging as other TipOne® tips. Therefore, the RPT refills and filter refills can be used in the racks from all other TipOne® tips, and vice versa!

#### **RPT Tip Features**

- ► No coating! Made from 100% pure polypropylene
- ► Improved sample recovery
- ► Reduced DNA binding
- ► Autoclavable
- ► Universal! Fits all popular pipettes
- Reusable, refillable and recyclable system









		1000
RPT TIPS	RACKED	REFILL
	96-Tip Racks	96-Tip Refills
	n/a	<b>S1161-3700</b> (960 Tips) £32.83
<b>10 μl</b> RPT Graduated Tip (Graduations: 2.5 μl, 10 μl)	II/a	<b>S1161-3700-C</b> (9600 Tips) £325.05
	<b>\$1160-3800</b> (960 Tips) £40.01	\$1160-3700 (960 Tips) £32.83
<b>10/20 μl</b> RPT XL Graduated Tip (Graduations: 1 μl, 5 μl, 10 μl, 20 μl)	<b>\$1160-3800-C</b> (7680 Tips) £316.92	<b>\$1160-3700-C</b> (9600 Tips) £325.05
	\$1161-1800 (960 Tips) £38.07	<b>\$1161-1700</b> (960 Tips) £27.73
<b>200 μl</b> RPT Bevelled Tip	<b>S1161-1800-C</b> (7680 Tips) £301.49	<b>\$1161-1700-C</b> (9600 Tips) £274.56
	\$1163-1800 (960 Tips) £38.06	<b>\$1163-1700</b> (960 Tips) £27.73
200 μl RPT UltraPoint Graduated Tip (Graduations: 10 μl, 50 μl, 100 μl)	<b>S1163-1800-C</b> (7680 Tips) £301.49	<b>\$1163-1700-C</b> (9600 Tips) £274.56
	\$1160-9800 (960 Tips) £46.46	\$1160-9700 (960 Tips) £35.52
<b>300 μl</b> RPT Graduated Tip (Graduations: 100 μl, 200 μl, 300 μl)	<b>\$1160-9800-C</b> (7680 Tips) £367.97	<b>\$1160-9700-C</b> (9600 Tips) £351.61
	<b>S1161-1820</b> (960 Tips) £46.46	<b>S1161-1720</b> (960 Tips) £35.52
<b>1250 μl</b> RPT XL Graduated Tip (Graduations: 100 μl, 250 μl, 500 μl, 1000 μl)	<b>S1161-1820-C</b> (3840 Tips) £183.99	<b>S1161-1720-C</b> (9600 Tips) £351.61

NOTES: All tips shown actual size.	n/a = not available.
Empty racks for use with the	e refills are availab

ole for FREE! **S0000-1002:** Small racks for use with all refills  $10\,\mu l$  to  $300\,\mu l$ **\$9999-1002**: Large racks for use with 1000 µl & 1250 µl refills





RPT FILTER TIPS (STERILE)	RACKED	FILTER REFILL
	96-Tip Sterile Racks	96-Tip Sterile Refills
	\$1181-3810 (960 Tips) £81.24	<b>\$1181-3710</b> (960 Tips) £73.12
<b>10 µl</b> RPT Graduated Filter Tip (Sterile) (Graduations: 2.5 µl, 10 µl)	<b>\$1181-3810-C</b> (7680 Tips) £643.44	<b>S1181-3710-C</b> (7680 Tips) £579.14
	\$1180-3810 (960 Tips) £81.24	<b>\$1180-3710</b> (960 Tips) £73.12
<b>10/20 µl</b> RPT XL Graduated Filter Tip (Sterile) (Graduations: 1 µl, 5 µl, 10 µl, 20 µl)	<b>S1180-3810-C</b> (7680 Tips) £643.44	<b>S1180-3710-C</b> (7680 Tips) £579.14
	\$1180-1810 (960 Tips) £77.35	<b>\$1180-1710</b> (960 Tips) £69.62
20 µl RPT Bevelled Filter Tip (Sterile)	<b>S1180-1810-C</b> (7680 Tips) £612.59	<b>S1180-1710-C</b> (7680 Tips) £551.35
	\$1183-1810 (960 Tips) £77.35	<b>\$1183-1710</b> (960 Tips) £69.62
<b>20 μl</b> RPT UltraPoint Graduated Filter Tip (Sterile) (Graduation: 10 μl)	<b>S1183-1810-C</b> (7680 Tips) £612.59	<b>S1183-1710-C</b> (7680 Tips) £551.35
	\$1180-1840 (960 Tips) £77.35	\$1180-1740 (960 Tips) £69.62
100 µl RPT Bevelled Filter Tip (Sterile)	<b>S1180-1840-C</b> (7680 Tips) £612.59	<b>S1180-1740-C</b> (7680 Tips) £551.35
	\$1183-1840 (960 Tips) £77.35	\$1183-1740 (960 Tips) £69.62
100 µl RPT UltraPoint Graduated Filter Tip (Sterile) (Graduations: 10 µl, 50 µl, 100 µl)	<b>S1183-1840-C</b> (7680 Tips) £612.59	<b>S1183-1740-C</b> (7680 Tips) £551.35
	\$1180-8810 (960 Tips) £77.35	<b>\$1180-8710</b> (960 Tips) £69.62
200 μl RPT Graduated Filter Tip (Sterile) (Graduations: 50 μl, 100 μl, 200 μl)	<b>S1180-8810-C</b> (7680 Tips) £612.59	<b>\$1180-8710-C</b> (7680 Tips) £551.35
	\$1180-9810 (960 Tips) £81.24	<b>\$1180-9710</b> (960 Tips) £73.12
300 µl RPT Graduated Filter Tip (Sterile) (Graduations: 100 µl, 200 µl, 300 µl)	<b>S1180-9810-C</b> (7680 Tips) £643.44	<b>S1180-9710-C</b> (7680 Tips) £579.14
	<b>\$1182-1830</b> (960 Tips) £81.24	<b>\$1182-1730</b> (960 Tips) £73.12
<b>1000 μl</b> RPT XL Graduated Filter Tip (Sterile) (Graduations: 100 μl, 250 μl, 500 μl, 1000 μl)	<b>S1182-1830-C</b> (3840 Tips) £321.72	<b>\$1182-1730-C</b> (3840 Tips) £289.57

# TipOne® Recycling

We can ALL do our bit to help the environment...

#### ► REUSE THE TIP RACKS WITH THE REFILL

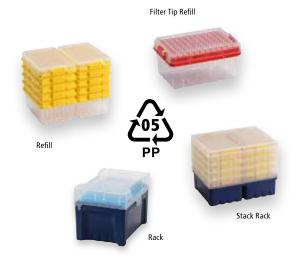
TipOne® is desgined as a reusable system and all racks within the system (standard tips, filter tips and TipOne ®RPT) can be reused with both the standard and filter tip refills.

#### ► IF PLASTICS RECYCLING IS AVAILABLE AT YOUR ACCOUNT, INCLUDE THE TipOne® PACKAGING

All components of the TipOne® system are made from polypropylene (PP), so the rack, the refill wafers, and the refill's spacers and top and bottom shells, can all go into the same recycling bag or bin at your site.

#### ► IF NO RECYCLING IS AVAILABLE AT YOUR **ACCOUNT, CONTACT STARLAB TO ORGANISE RECYCLING COLLECTIONS**

We will set up recycling collections to suit your individual lab or site-wide requirements with either regular collections (eg. monthly) or we can collect your recycling bags on an ad-hoc basis, as and when you let us know you have recycling for collection. In order to be as green as possible, please collect as much recycling as space allows before requesting a collection. All recycling must be bagged for collection!



To set up a recycling collection service, contact your Account Manager, or the STARLAB office on 01908 283800 or at **recycling@starlab.co.uk** Different recycling bins are available to suit your needs...



#### Recycling crate

Use in/outside stores to hold a large number of recycling bags. Easy truck access at your site is essential. Recycling must be bagged for collection. Dimensions (WxDxH): 120 x 100 x 94 cm Contact STARLAB to arrange



#### Wheelie bin (240 litre)

Supplied with STARLAB recycling bags for lining the bin and cable ties for securing the bag once full. The recycling is collected in the bag. Cat. No. S5000-7300 Dimensions (WxDxH): 56 x 74 x 94 cm



#### Recycling bins

Smaller recycling containers to keep in the corner of your lab or under the bench. Cardboard recycling bin,  $\,$  Cat. No. S5000-7600  $\,$ Dimensions (WxDxH): 30.5 x 30.5 x 75 cm Green pop-up recycling bin, Cat. No. S5000-7000 Dimensions (HxØ): 60 x 50 cm



#### STARLAB Recycling Bag

Clear, heavy-duty recycling bags. Made from recycled and recyclable material. Supplied with heavy-duty nylon cable ties to secure contents for collection.

All recycling must be bagged before requesting a collection!

LARGE Bag to fit wheelie bin Cat. No. S5000-7100

SMALL Bag to fit either the pop-up bin or cardboard recycling bin. Or use on its own. Cat. No. S5000-7200



**RECYCLING BAGS MUST CONTAIN** STARLAB PP **PRODUCTS ONLY** PLEASE!

# **Extended Length** Tips

ORDER INFORMATION					
All tips are certified and natural in colour and shown actual size.	Pack Type	Sterile	Pack Size	Cat. No.	Price
	Bag	No	1000	I1011-0020	£30.94
<b>200 µl</b> XL Tip For use with but not limited to: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®,	204-Tip Rack	No	8 x 204	I1011-0920	£111.17
Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®, Volac®	204-Tip Rack	Yes	8 x 204	E1011-0921	£146.94
<b>200 µl</b> XL Filter Tip For use with but not limited to: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®,	Ind. Wrap	Yes	100	I1011-0070	£18.72
Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®, Volac®	204-Tip Rack	Yes	8 x 204	I1011-0830	£199.88
200 µl XL Filter Tip					
For use with but not limited to: ErgoOne®, Eppendorf®, Finnpipette®, MLA®	100-Tip Rack	Yes	8 x 100	I1011-5830	£98.55
1000 μl XL Bevelled Tip	Bag	No	1000	E1011-1002	£28.06
For use with but not limited to: ErgoOne®, Gilson®, Biohit ®(single-ch), Costar®, Eppendorf®, Finnpipette®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®, Volac®	100-Tip Rack	No	10 x 100	E1011-1430	£50.74
1000 μl XL Bevelled Filter Tip For use with but not limited to: ErgoOne®, Gilson®, Biohit® (single-ch), Costar®, Eppendorf®, Finnpipette®,	Bag	No	1000	E1011-1008	£76.10
Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®, Volac®	100-Tip Rack	Yes	10 x 100	I1026-7810	£118.21
1250 μl XL Filter Tip For use with but not limited to: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Nichiryo®,					
Oxford-Benchmate®, Rainin®, Socorex®, StarPet, StarPet E, Titertek®, Volac®	96-Tip Rack	Yes	8 x 96	I1011-3010	£90.10

#### www.starlab.click/specialitytips

# **384-Format** Tips

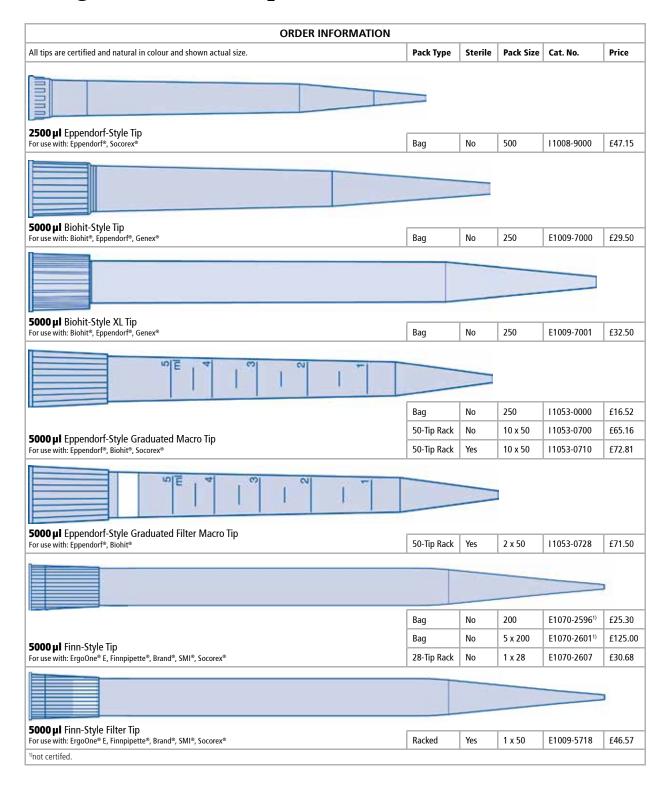
ORDER IN	FORMATION				
All tips are certified and natural in colour and shown actual size.	Pack Type	Sterile	Pack Size	Cat. No.	Price
<b>50 µl</b> CAPP-Style 384-Format Tip, Low-Retention For use with but not limited to: CAPP® 16-34-& 64-Channel	384-Tip Rac	k Yes	10 x 384	E3840-5110	£554.12

# **Individually Wrapped** Tips

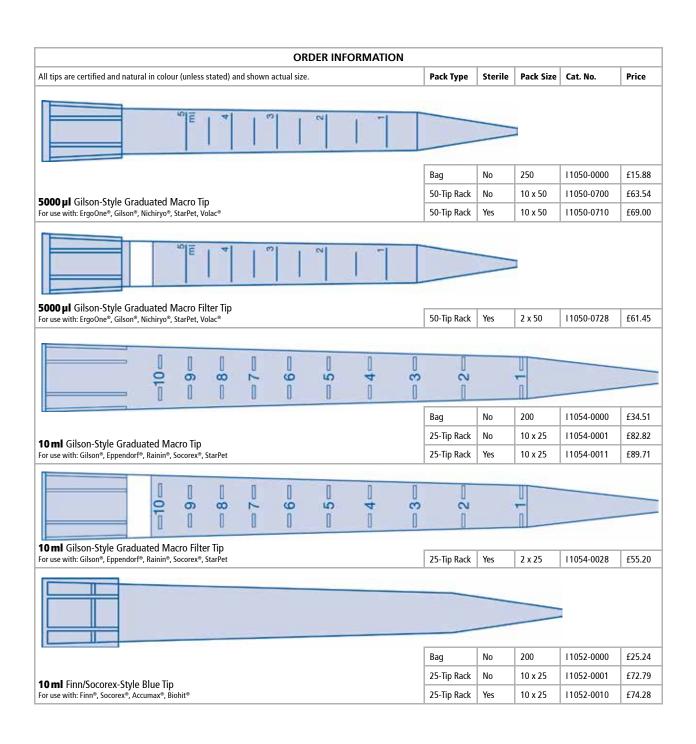


ORDER INFORMATION					
All tips are certified and shown actual size.	Pack Type	Sterile	Pack Size	Cat. No	Price
200 μl Tip, Individually Wrapped, Yellow	Ind. Wrap	Yes	500	11011-0016	£36.99
1000 µl Tip, Individually Wrapped, Blue	Ind. Wrap	Yes	500	I1011-2011	£49.95

# Large Volume Tips





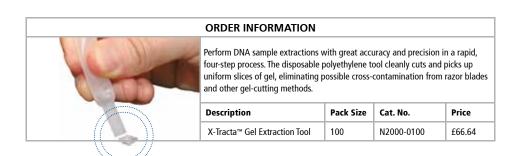


www.starlab.click/specialitytips

# Wide Orifice Tips

	RMATION				
ll tips are certified and natural in colour. Tips shown actual size.	Pack Type	Sterile	Pack Size	Cat. No.	Price
200 µl Tip / Wide Orifice					
or use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, MLA®, lichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, StarPet E, Titertek®, Volac®	Bag	No	1000	I1011-8000	£22.58
			1	1	
	Bag	No	1000	E1011-5000	£18.76
<b>00 µl</b> Tip / Wide Orifice or use with: ErgoOne®, Gilson®, Biohit®, Brand®, Capp®, Eppendorf®, Finnpipette®,	96-Tip Rack	No	10 x 96	E1011-5100	£29.83
abnet®, Matrix®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, VWR®	96-Tip Rack	Yes	10 x 96	E1011-5110	£36.71
	Bag	No	1000	E1011-8000	£21.52
00 μl Graduated Tip / Wide Orifice	96-Tip Rack	No	10 x 96	E1011-8400	£32.16
or use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Fisherbrand®, ichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, StarPet E, Titertek®, Volac®	96-Tip Rack	Yes	10 x 96	E1011-8410	£40.60
2 <b>00 μl</b> Filter Tip / Wide Orifice or use with: ErgoOne®, Gilson®, Biohit®, Brand®, CAPP®, Eppendorf®, Finnpipette®	96-Tip Rack	Yes	10 x 96	E1011-8618	£101.19
or use with: ErgoOne®, Gilson®, Biohit®, Brand®, CAPP®, Eppendorf®, Finnpipette®	96-Tip Rack	Yes	10 x 96	E1011-8618	£101.19
or use with: ErgoOne®, Gilson®, Biohit®, Brand®, CAPP®, Eppendorf®, Finnpipette®	96-Tip Rack	Yes	10 x 96	E1011-8618	£101.19
or use with: ErgoOne®, Gilson®, Biohit®, Brand®, CAPP®, Eppendorf®, Finnpipette®  000 µl Graduated Tip / Wide Orifice or use with: ErgoOne®, Gilson®, Costar®, Eppendorf®, Finnpipette®, Fisherbrand®, Nichiryo®,					1
OOO µI Graduated Tip / Wide Orifice or use with: ErgoOne®, Gilson®, Biohit®, Brand®, CAPP®, Eppendorf®, Finnpipette®  OOO µI Graduated Tip / Wide Orifice or use with: ErgoOne®, Gilson®, Costar®, Eppendorf®, Finnpipette®, Fisherbrand®, Nichiryo®, xford-Benchmate®, Rainin®, SMI®, Socorex®, StarPet, Titertek®, Volac®					1
OOO µl Graduated Tip / Wide Orifice or use with: ErgoOne®, Gilson®, Biohit®, Brand®, CAPP®, Eppendorf®, Finnpipette®  OOO µl Graduated Tip / Wide Orifice or use with: ErgoOne®, Gilson®, Costar®, Eppendorf®, Finnpipette®, Fisherbrand®, Nichiryo®, xford-Benchmate®, Rainin®, SMI®, Socorex®, StarPet, Titertek®, Volac®	Bag	No	1000	E1011-9000	f26.83
or use with: ErgoOne®, Gilson®, Biohit®, Brand®, CAPP®, Eppendorf®, Finnpipette®  000 µl Graduated Tip / Wide Orifice or use with: ErgoOne®, Gilson®, Costar®, Eppendorf®, Finnpipette®, Fisherbrand®, Nichiryo®,	Bag 100-Tip Rack	No No	1000	E1011-9000	£26.83

## **Gel** Extraction Tool





# **Gel-Loading** Tips

ORDER INF	ORMATION					
All tips are certified and natural in colour. Tips shown actual size.	Pack Type	Sterile	Pack Size	Cat. No.	Price	
	Length: Total 56.62 mm / Flexible: 25.30 mm. Orifice: OD. 0.58 mm / ID. 0.30 mm					
	Bag	No	1000	11010-3000	£39.61	
40 10 16 11 1 7	204-Tip Rack	No	5 x 204	I1010-3600	£61.59	
10 µl Round Gel-Loading Tip For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, StarPet	204-Tip Rack	Yes	5 x 204	I1010-3610	£67.93	
			25.20		/ID 0.30	
10 μl Round Gel-Loading Filter Tip		m /Flexible capillary length:		1		
For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, StarPet	204-Tip Rack	Yes	5 x 204	11010-3800	£117.62	
	Length: Total 71.	25 mm / Flexible capillary 2	5.3 mm. Orifice	e: OD. 0.58 mm / ID	0. 0.30 mm	
10 µl Round Gel-Loading Tip	204-Tip Rack	No	8 x 204	11012-3600	£86.82	
For use with: ErgoOne®, Eppendorf®, Gilson®, Nichiryo®, Oxford-Benchmate®, Socorex®, StarPet	204-Tip Rack	Yes	8 x 204	I1012-3610	£95.28	
<b>20 μl</b> Round Gel-Loading Filter Tip		mm. Orifice: OD. 0.60 mm /				
For use with: ErgoOne®, Gilson®, Costar®, Eppendorf®, MLA®, Socorex®, Volac®	204-Tip Rack	Yes	5 x 204	E1021-0618	£119.07	
	Total Length: 68	mm. Orifice: OD. 0.60mm/	ID. 0.30 mm			
<b>100 μl</b> Round Gel-Loading Filter Tip	Bag	No	1000	E1022-0008	£75.73	
For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Nichiryo®, Oxford-Benchmate®, Socorex®, StarPet, Titertek®, Volac®	204-Tip Rack	Yes	5 x 204	I1022-0810	£119.07	
	Total Length: 68	mm. Orifice: OD. 0.60 mm /	ID. 0.30 mm			
	Bag	No	1000	11022-0000	£38.67	
<b>200 µI</b> Round Gel-Loading Tip For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Finnpipette®, MLA®,	204-Tip Rack	No	5 x 204	11022-0600	£61.57	
Nichiryo®, Oxford-Benchmate®, Rainin®, StarPet, Socorex®, Titertek®, Volac®	204-Tip Rack	Yes	5 x 204	11022-0610	£77.09	

ORDER INFORMATION						
All tips are certified and natural in colour. Tips shown actual size.	Pack Type	Sterile	Thickness	Pack Size	Cat. No.	Price
IONI Flat Cal Loading Tip	200-Tip Rack	No	0.20 mm	1 x 200	11012-2600	£71.07
10 µl Flat Gel-Loading Tip For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, StarPet	200-Tip Rack	No	0.40 mm	1 x 200	11012-4600	£67.15
10 µl Flat Gel-Loading Tip	200-Tip Rack	No	0.20 mm	1 x 200	11011-2600	£80.20
For use with: ErgoOne®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, Socorex®, StarPet	200-Tip Rack	No	0.40 mm	1 x 200	I1011-4600	£63.97
<b>200 μl</b> Flat Gel-Loading Tip	200-Tip Rack	No	0.20 mm	1 x 200	11022-2600	£71.07
For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Fisherbrand®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®	200-Tip Rack	No	0.40 mm	1 x 200	I1022-4600	£71.07



# TipOne Repeat Dispenser Tips





ORDER INFORMATION						
Description	Pack Size	Cat. No.	Price			
Non-Sterile						
0.1 ml TipOne® Repeat Tips	100	S4751-0010	£73.23			
0.5 ml TipOne® Repeat Tips	100	S4751-0050	£64.62			
1.0 ml TipOne® Repeat Tips	100	S4751-0100	£64.62			
2.5 ml TipOne® Repeat Tips	100	S4751-0250	£64.62			
5.0 ml TipOne® Repeat Tips	100	S4751-0500	£64.62			
10 ml TipOne® Repeat Tips	100	S4751-1000	£64.62			
25 ml TipOne® Repeat Tips¹)	100	S4751-2500	£80.76			
50 ml TipOne® Repeat Tips1)	100	S4751-5000	£91.53			
Adapter for 25 ml Dispenser Tips	1	S4756-2500	£5.63			
Adapter for 50 ml Dispenser Tips	1	S4756-5000	£5.63			
Sterile, Individu	ially Wrap	ped				
0.1 ml TipOne® Repeat Tips (Sterile)	100	S4761-0010	£106.61			
0.5 ml TipOne® Repeat Tips (Sterile)	100	S4761-0050	£97.99			
1.0 ml TipOne® Repeat Tips (Sterile)	100	S4761-0100	£97.99			
2.5 ml TipOne® Repeat Tips (Sterile)	100	S4761-0250	£97.99			
5.0 ml TipOne® Repeat Tips (Sterile)	100	S4761-0500	£97.99			
10 ml TipOne® Repeat Tips (Sterile)	100	S4761-1000	£97.99			
25 ml TipOne® Repeat Tips (Sterile)¹)	100	S4761-2500	£118.45			
50 ml TipOne® Repeat Tips (Sterile)1)	100	S4761-5000	£125.99			
Adapter for 25 ml Dispenser Tips (Sterile)	7	S4765-2500	£42.23			
Adapter for 50 ml Dispenser Tips (Sterile)	7	S4765-5000	£42.23			
<sup>®</sup> 25ml and 50ml tips are supplied with four adapters. <b>Note</b> : TipOne® Repeat Dispenser Tips are not autoclavable.						



#### **Repeat Dispenser**

See page 44 for ordering details of STARLAB's RepeatOne® Dispenser





#### Dispenser Tips you'll want to use again!

This range of high quality dispenser tips have a polypropylene cylinder and a polyethylene piston. The extended piston length of most tips minimises dead air volume, improves reagent delivery and provides easier access to narrow vessels.

#### **Features**

- ▶ Up to 100 dispenser steps with Multipette® Plus
- ► Separate, colour-coded adapters for 25 ml & 50 ml tips
- ► Lower dispensing forces
- ► High accuracy and precision
- ▶ ISO 8655 manufactured

COMPATIBILITY				
STARLAB	RepeatOne®			
Brand	Handystep® Manual. Handystep® S. HandyStep® Electronic			
Denville	Fastsepper®			
Eppendorf	Multipette® 4780. Multipette®Plus¹). Multipette® stream / Xstream²)			
Gilson	Distriman®. Pipetman®. Repetman®			
Labnet	Labpette®			
Nichiryo / Oxford	Nichimate® Stepper			
Rainin	AutoRep® E. AutoRep® S. Autorep® M			
Ritter	Ripette®. Ripette® Pro. Ripette® genX			
Sartorius	Biohit® Mechanical Stepper. Biohit® eLine® Pro. Biohit® eLine® Lite			
Scilogex	Stepmate®			
Thermo Fisher	Fisherbrand® Repeat Stepper. Finnpipette® Stepper			
	orks only with old sensor (prior to service).			

APPLICATION GUIDE								
Dispenser	Dispenser							
Tip Volume	1	2	3	4	5			
0.1 ml	2 μΙ	4 µl	6 µl	8 µl	10 µl			
0.5 ml	10 µl	20 µl	30 µl	40 μl	50 µl			
1.0 ml	20 µl	40 µl	60 µl	80 µl	100 µl			
2.5 ml	50 µl	100 µl	150 µl	200 µl	250 µl			
5.0 ml	100 µl	200 µl	300 µl	400 µl	500 µl			
10 ml	200 µl	400 µl	600 µl	800 µl	1000 µl			
25 ml	500 µl	1000 µl	1500 µl	2000 µl	2500 µl			
50 ml	1000 µl	2000 µl	3000 µl	4000 µl	5000 μl			
Steps1)	48	23	15	11	8			



OVERVIEW	26
TIP-ROBOT COMPATIBILITY	27
TIPS FOR BECKMAN COULTER®	
Biomek® i-series, Biomek® 3000 & 4000	28-29
Biomek® FX & NX	28-29
Multimek®	28–29
TIPS FOR PACKARD®	
MultiProbe® II	
MultiProbe® IIHT/EX	30
TIPS FOR TECAN®	
Freedom EVO®	
Genesis & MiniPrep	31

TIPS FOR PERKIN ELMER®	
Janus <sup>®</sup>	32
Evolution® P³, MiniTrak™ & PlateTrak™.	32
TIPS FOR QIAGEN®	
QIAgility® (formerly Corbett CAS-1200)	32
ROBOTIC RESERVOIRS	32

### **Robotic Tips** Overview



STARLAB robotic tips are engineered to the same specifications as the original, equipment manufacturer's tips to ensure both compatibility and a consistent fit. Don't risk having your time and results compromised with defective materials and poor performance!

With STARLAB, you can put your trust in disposables from a company that offers much more than just tips.

All robotic tips are certified RNase, DNase and DNA free.

#### **Quality Control**

Quality Control is the essential factor which gives you the freedom to walk away from your automated workstation and get on with other tasks. You need the assurance that the tip will not let you down. STARLAB robotic tips are put through stringent and thorough testing. Every lot of tips is subject to an array of demanding tests, from the geometry of the tip itself to automation-specific requirements such as clean ejection from the liquid handling head. Every lot is required to meet or exceed the parameters necessary to give you that confidence to walk away. Tips are tested on the original robotic equipment so there is no doubt they will perform to the same requirements as the disposables from the robot manufacturer themselves.

#### No special set-up required!

STARLAB robotic tips require no instrument hardware or software adjustment, thereby providing a simple, safe and direct high-performance substitute. We recommend to request samples of robotic tips to verify compatibility with your system.

#### **Purchasing flexibility**

STARLAB likes to make things as simple as possible for its customers. We realise that you may need to order robotic consumables in large quantities, but may not have the space to store them. STARLAB can help with call-off orders where you buy and own the product, but we store it in our warehouse and 'call off' delivery to you, as and when you need it. Alternatively, you may place a standing order and have a pre-determined quantity delivered at regular intervals. Contact us to discuss your options.



#### **Recycle your Robotic Tip Racks**

Robotic tips racks are made from polypropylene and can be recycled using the same method you use for our TipOne® racks.

See page 18 for more information on the different recycling options available.

# Tip-Robot Compatibility

	9	78	59	30	31	32
	GO T	Page	Page	Page	Page	Page
Aurora Biomed® Versa™: 8-Channel				✓	✓	
Biomek® i-Series: 300 & 1200 μl Multichannel-96 Heads & Span-8 Pod		✓	✓			
Beckman® Biomek® 3000: AP96, MP20, MP200		✓	✓			
Beckman® Biomek® 4000: AP96, MP20, MP200		✓	✓			
Beckman® Biomek® FX: AP96, MP20, MP200		✓	✓			
Beckman® Biomek® FX: SPAN-8		✓	✓			
Beckman® Biomek® NX: AP96, MP20, MP200		✓	✓			
Beckman® Biomek® NX: SPAN-8		✓	✓			
Beckman® Multimek®: AP96, MP20, MP200		✓	✓			
Corbett® CAS-1200: Single-Channel Head				✓	✓	
Gilson® Cyberlab®		✓				
Packard® Multiprobe® II: Varispan 4 or 8 head probe				✓		
Packard® Multiprobe® IIHT/EX: Varispan 4 or 8 head probe				✓		
Perkin Elmer® Evolution® P3: MDT-96 P50						✓
Perkin Elmer® Janus®: MDT-96 P50						✓
Perkin Elmer® MiniTrak™: MDT-96 P50						✓
Perkin Elmer® PlateTrak™: MDT-96 P50						✓
Qiagen® QiAgility®: Single-Channel Pipette				✓	✓	✓
Tecan® Freedom EVO®: LiHa-1, -4 & -8					✓	✓
Tecan® Genesis: LiHa-1, -4 & -8					✓	✓
Tecan® MiniPrep: LiHa-1, -4 & -8					✓	✓

This chart is intended as a guide only. Please check the relevant page to ensure a specific tip's compatibility with your robotic system and the head type. Contact us for a free sample rack of tips to ensure compatibility with your robotic system.

#### **Case sizes** available at discount!

Cat. Nos ending in  ${\bf -C}$  are case sizes, the number in brackets beside the case price in the ordering information tables is the number of packs per case.



# Tips for Beckman Coulter®

Biomek<sup>®</sup> i-Series • Biomek<sup>®</sup> FX • Biomek<sup>®</sup> NX

• Biomek® 3000 • Biomek® 4000 • Multimek®

#### No programming or software changes required!

- ► Ensured tip compatibility and consistent fit
- ► AP96 and SPAN-8 Compatible
- ➤ You can recycle the empty racks with your other plastic recycling (see page 18)
- ► Certified RNase, DNase, DNA and PCR Inhibitor free

ORDER INFORMATION	ON		
	Rack Style / Head	Non-Sterile	Sterile
		10 x 96-Tip Racks	10 x 96-Tip Racks
<b>20 μl</b> Tip	Pale Blue SBS Rack AP96, SPAN-8, MP20	E1076-4400 £46.68 E1076-4400-C (5)	E1076-4410 £50.24 E1076-4410-C (5)
<b>20 μl</b> Filter Tip	Pale Blue SBS Rack AP96, SPAN-8, MP20	n/a	E1076-4418 £114.29 E1076-4418-C (5)
<b>50 μl</b> Tip	Orange SBS Rack AP96, SPAN-8, MP20, MP200	E1076-2400 £60.63 E1076-2400-C (5)	E1076-2410 £64.04 E1076-2410-C (5)
50 μl Filter Tip	Orange SBS Rack AP96, SPAN-8, MP20, MP200	n/a	E1076-2418 £114.29 E1076-2418-C (5)
<b>250 μl</b> Tip	Green SBS Rack AP96, SPAN-8, MP200	E1076-0400 £46.68 E1076-0400-C (5)	E1076-0410 £50.24 E1076-0410-C (5)
175 µl Filter Tip	Green SBS Rack AP96, SPAN-8, MP200	n/a	E1076-0418 £128.22 E1076-0418-C (5)

96-well tips also compatible with Gilson® Cyberlab®.



- 1. Lot No. printed on every rack
- 2. Tip volume printed on every rack
- 3. Easy-release tape opening on sterile product



#### Economical, eco-friendly and space saving refill system!

- ► Refillable racks and space-saving refill stacks
- ► Refills take up 40% less space!
- ► AP96 and SPAN-8 compatible
- ► Reusable racks means less waste and less cost
- ▶ No programming or software changes required
- ▶ You can recycle the used refills with your other plastic recycling (see page 18)
- ► Certified RNase, DNase, DNA and PCR Inhibitor free



- 1. System is colour-coded same as 'normal' racks
- 2. Tip volume and Lot No. printed on every refill
- 3. Easy racking with easy to located tabs on each refill

#### **Refillable racks**

Buy the refillable racks first, to get yourself started.

ORDER INFORMATION				
Refillable Racks	Rack Style / Head	Non-Sterile		
		10 x 96-Tip Refillable Racks		
<b>20 µl</b> Тір	Pale Blue Refillable Rack AP96, SPAN-8	E1076-4800 £39.05 E1076-4800-C (5)		
<b>250 μl</b> Tip	Green Refillable Rack AP96, SPAN-8	E1076-0800 £39.05 E1076-0800-C (5)		

#### **Refills**

When the tips are used, reuse the racks with these refills, to save both money and plastic waste!

ORDER INFORMATION				
Refills	Rack Style / Head	Non-Sterile		
		10 x 96-Tip Refills		
20 µl Tip	Pale Blue Refill AP96, SPAN-8	E1076-4700 £36.30 E1076-4700-C (5)		
250 µl Tip	Green Refill AP96, SPAN-8	E1076-0700 £36.30 E1076-0700-C (5)		



The **refill** is easy to use - just press in the tabs on the side to insert or remove wafers

# Tips for Packard®





ORDER INFORMATION	Rack Style / Head	Non-Sterile	Sterile
		24 x 96-Tip Racks	24 x 96-Tip Racks
<b>10 µl</b> Тір	White Hanging Rack Varispan with 4 or 8 head probe	R1181-3700 £418.19	R1081-3700 £453.03
10 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-3810 £453.74	R1028-3810 £475.40
50 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-5700 £418.19	R1081-5700 £446.08
50 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-5810 £432.13	R1028-5810 £468.43
200 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-0700 £154.41	R1081-0700 £171.75
200 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-0810 £168.32	R1028-0810 £175.64
1000 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-2700 £161.00	R1081-2700 £167.27
1000 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-2810 £195.16	R1028-2810 £211.86
10 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-3709 £406.24	R1081-3709 £446.08
10 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-3819 £432.13	R1028-3819 £460.01
50 μl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-5709 £418.19	<b>R1081-5709</b> £439.10
50 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	<b>R1128-5819</b> £419.79	<b>R1028-5819</b> £460.01
200 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-0709 £146.36	R1081-0709 £161.00
200 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-0819 £188.19	R1028-0819 £204.89
1000 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-2709 £168.32	R1081-2709 £168.32
1000 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-2819 £219.55	R1028-2819 £237.09

Also compatible with: Aurora Biomed® Versa™ systems with 8-channel head, Qiagen® QIAgility® (CAS-1200) with single-channel head

Racks supplied in individual blister packs.

# $\boldsymbol{Tips} \ for \ Tecan^{\text{\tiny 0}} \ (with \ LiHa)$

## Freedom EVO® • Genesis • MiniPrep



ORDER INFORMATION			
	Rack Style / Head	Non-Sterile 24 x 96-Tip	Sterile 24 x 96-Tip
		Racks	Racks
<b>10 µl</b> Тір	White Hanging Rack Varispan with 4 or 8 head probe	<b>R1181-3700</b> £418.19	R1081-3700 £453.03
10 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-3810 £453.74	R1028-3810 £475.40
50 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-5700 £418.19	R1081-5700 £446.08
50 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-5810 £432.13	R1028-5810 £468.43
200 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-0700 £154.41	R1081-0700 £171.75
200 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-0810 £168.32	R1028-0810 £175.64
	White Hanging Rack Varispan with 4 or 8 head probe	R1181-2700 £161.00	R1081-2700 £167.27
1000 μl Tip  1000 μl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-2810 £195.16	R1028-2810 £211.86
10 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-3709 £406.24	R1081-3709 £446.08
10 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-3819 £432.13	R1028-3819 £460.01
50 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-5709 £418.19	<b>R1081-5709</b> £439.10
50 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-5819 £419.79	R1028-5819 £460.01
200 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-0709 £146.36	R1081-0709 £161.00
200 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-0819 £188.19	R1028-0819 £204.89
1000 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-2709 £168.32	R1081-2709 £168.32
1000 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-2819 £219.55	R1028-2819 £237.09

Also compatible with: Aurora Biomed® Versa™ systems with 8-channel head, Qiagen® QIAgility® (CAS-1200) with single-channel head

Racks supplied in individual blister packs.

## **Tips** for Perkin Elmer®

Janus<sup>®</sup> • Evolution<sup>®</sup> P<sup>3</sup> • MiniTrak<sup>TM</sup> • PlateTrak<sup>TM</sup>

ORDER INFORMATION			
	Rack Style / Head	Non-Sterile	Sterile
		10 x 96-Tip Racks	10 x 96-Tip Racks
20 µl Tip	Green SBS Rack MDT-96 P50	E1078-2400 £55.75 E1078-2400-C (5)	n/a
50 µl Tip	Green SBS Rack MDT-96 P50	E1078-5400 £49.57 E1078-5400-C (5)	n/a

# Tips for Qiagen®

QIAgility® (formerly CAS-1200)

ORDER INFORMATION			
	Rack Style / Head	Non-Sterile	Sterile
		10 x 96-Tip Racks	10 x 96-Tip Racks
50 μl Conductive Filter Tip	Clear Hanging Rack Single-Channel Pipette	n/a	E1172-1418 £160.32 E1172-1418-C (5)
<b>200 μl</b> Conductive Filter Tip	Clear Hanging Rack Single-Channel Pipette	n/a	E1173-2418 £156.10 E1173-2418-C (5)

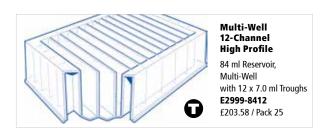
Also compatible with Tecan® robotic systems: Freedom EVO® Genesis® series and MiniPrep®

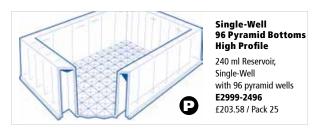
### **Robotic** Reservoirs

#### High quality for high throughput!

STARLAB reservoirs conform to the standard SBS footprint for compatibility with most robotic systems. They have virtually no dead volume. The sturdy polypropylene construction ensures rigidity during automation and excellent chemical resistance.

All robotic reservoirs are certified RNase, DNase and Pyrogen free.















MANUAL PIPETTES			
ErgoOne® Pipettes: Overview	.34-35		
ErgoOne® Single-Channel Pipettes	36		
ErgoOne® Multi-Channel Pipettes	37	PIPETTE STANDS	42
ELECTRONIC PIPETTES		POLYSTYRENE PIPETTES	
ErgoOne® E Electronic Pipettes	.38-39	Serological Pipettes	43
		Aspiration Pipettes	
PIPETTE CONTROLLERS			
ErgoOne® FAST (Electronic)	.40-41	REPEAT DISPENSER	
StarPet Filler (Manual)	<i>/</i> 11	PanastOne® Dispensor	11

## **ErgoOne**® Pipettes: Overview

#### Setting the new standard in pipetting

Everyday, pipettes are confronted with multiple tasks that must be exact and precise. Reliability is key in the laboratory and your pipette must be trusted to perform well, day in, day out.

As one of the most frequently used instruments in the laboratory, pipettes must also be comfortable to use and provide the features you need. ErgoOne® pipettes combine researcher-requested features with the latest ergonomic principles to provide optimum performance. ErgoOne® gives you accuracy and precision you can trust, with a stylish new look you will love.

ErgoOne® is designed to fit all popular pipette tips without any loss of accuracy and precision.

All ErgoOne® pipettes are sold with a 3-year warranty.

#### ErgoOne® Features

- ► Minimal operating forces
- ► Lightweight ergonomic design
- ► Colour coded
- ► Volume lock
- ► Universal tip fit





## ErgoOne® Single-Channel Pipettes

			ORDER	INFOR	MATIO	N		
Volume Range	Increments		Systematic Error (Inaccuracy) ±%		Random Error (Imprecision) ±%		Cat. No.	Price Each
(Colour Coding)	Increments	μl	8655-2	ErgoOne®	8655-2	ErgoOne®	cat. Ho.	Trice Luci
			Si	ngle-Cha	nnel			
		0.1	125	24	75	12		
0.1 −2.5 µl	0.0021	0.25	50	12	30	6.0	67400 0435	6242.00
(Red)	0.002 µl	1.25	10	2.5	6.0	1.5	S7100-0125	£212.00
		2.5	5.0	1.4	3.0	0.7		
		1.0	12	2.5	8.0	1.8		
0.5 –10 μl (Red)	0.01 µl	5	2.4	1.5	1.6	0.8	S7100-0510	£212.00
(Neu)		10	1.2	1.0	0.8	0.4		
	0.02 μΙ	2	10	5.0	5.0	1.5	<b>\$7100-0221</b> (micro cone)	£212.00
2.0 –20 µl (Red)		10	2.0	1.2	1.0	0.6		
(Neu)		20	1.0	1.0	0.5	0.3		
	0.02 μΙ	2	10	5.0	5.0	1.5	<b>\$7100-0220</b> (standard cone)	£212.00
2.0 –20 µl (Yellow)		10	2.0	1.2	1.0	0.6		
(Tellow)		20	1.0	1.0	0.5	0.3		
40. 400. 1		10	8.0	3.0	3.0	1.0		£197.00
10 –100 μl (Yellow)	0.1 µl	50	1.6	1.0	0.6	0.3	S7100-1100	
(Tellow)		100	0.8	0.8	0.3	0.2		
20 200 1		20	8.0	2.5	3.0	0.7		
20 –200 μl (Yellow)	0.2 µl	100	1.6	1.0	0.6	0.3	S7100-2200	£197.00
(TellOW)		200	0.8	0.6	0.3	0.2		
400 4000 1		100	8.0	3.0	3.0	0.6		
100 –1000 μl (Blue)	1 µl	500	1.6	1.0	0.6	0.2	S7110-1000	£197.00
(DIUC)		1000	0.8	0.6	0.3	0.2		
F00 F000 '		500	8.0	2.4	3.0	0.6		
500 –5000 μl (Violet)	5µl	2500	1.6	1.2	0.6	0.25	S7150-5000	£216.00
(violet)		5000	0.8	0.6	0.3	0.15		

Tested in accordance with EN ISO 8655, using STARLAB's TipOne® tips. 3-year warranty.

Need your new pipette supplied with a UKAS Calibration Certificate? See opposite for details.

## Setting the new standard in pipetting

The ErgoOne® single-channel pipette range consists of eight models covering the volume range 0.1 µl to 5 ml.

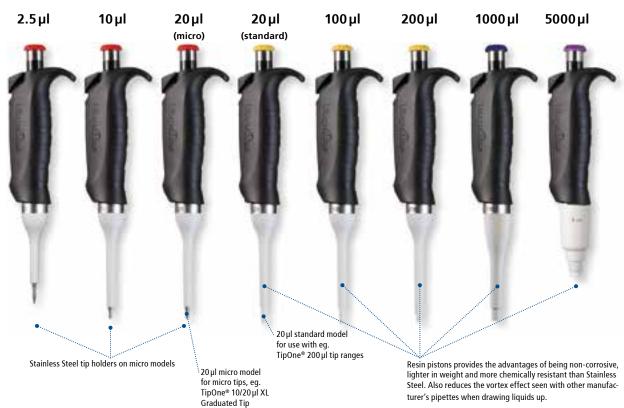
All ErgoOne® pipettes are sold with a 3-year warranty.



#### **Product features**

- ► Minimal operating forces
- ► Leightweight ergonomic design
- ► Colour coded
- ▶ Volume lock
- ► Universal tip fit





## ErgoOne® Multi-Channel Pipettes

			ORDE	RINFOR	MATIO	N		
Volume Range	Increments	Volume	Systematic Error (Inaccuracy) ±%		Random Error (Imprecision) ±%		Cat. No.	Price
(Colour Coding)		μl	8655-2	ErgoOne®	8655-2	ErgoOne®		Each
			8-Cl	hannel Pi	pettes			
		1.0	24	8.0	16	5.0		
0.5 –10 μl (Red)	0.01 µl	5.0	4.8	4.0	3.2	2.0	S7108-0510	£555.00
(nea)		10	2.4	2.0	1.6	1.0		
10 100		10	16	3.0	6.0	2.0		
10 –100 μl (Yellow)	0.1 μΙ	50	3.2	1.0	1.2	0.8	S7108-1100	£555.00
(Tellow)		100	1.6	0.8	0.6	0.3		
20. 200 1		30	26.7	3.0	10	1.0	S7108-3300	£555.00
30 –300 μl (Green)	0.2 μΙ	150	5.3	1.0	2.0	0.5		
(diccil)		300	2.7	0.6	1.0	0.3		
			12-C	hannel P	ipettes			
		1.0	24	8.0	16	5.0		
0.5 –10 μl (Red)	0.01 µl	5.0	4.8	4.0	3.2	2.0	S7112-0510	£656.00
(neu)		10	2.4	2.0	1.6	1.0		
		10	16	3.0	6.0	2.0		
10 –100 μl (Yellow)	0.1 µl	50	3.2	1.0	1.2	0.8	S7112-1100	£656.00
(TellOW)		100	1.6	0.8	0.6	0.3		
20 200 1		30	26.7	3.0	10	1.0		
30 –300 µl (Green)	0.2 µl	150	5.3	1.0	2.0	0.5	S7112-3300	£656.00
(GICCII)		300	2.7	0.6	1.0	0.3		

Tested in accordance with EN ISO 8655, using STARLAB's TipOne® tips. 3-year warranty.

Need your new pipette supplied with a UKAS Calibration Certificate? See details below.

#### A great tool to speed up your pipetting process

ErgoOne® multi-channel pipettes are designed in accordance with the latest ergonomic principles. The pipette is extremely easy to use and has minimal operating forces to help prevent hand fatigue. ErgoOne® multichannel pipettes provide accurate and precise pipetting in a variety of volume ranges.

All ErgoOne® pipettes are sold with a 3-year warranty.

#### **Product features**

- ► Minimal operating forces
- ► Leightweight ergonomic design
- ► Colour coded
- ▶ Volume lock
- ► Universal tip fit



www.starlab.click/manualpipettes



#### Do you need your new pipette supplied with UKAS Certification?

We can supply your brand new pipette from STARLAB (any pipette) with a UKAS Certificate of Calibration. Simply order the calibration at the same time as ordering your new pipette by using the appropriate code below for the type of pipette you're ordering. STARLAB will perform a 3.10 As Found UKAS Calibration on the pipette prior to shipping, and enclose the Calibration Certificate with your pipette.

3.10 UKAS CALIBRATION ON PURCHASED PIPETTE							
Description Cat. No Price							
3.10 As Found UKAS Calibration on Purchased Single-Channel	C8134-1001	£33.00					
3.10 As Found UKAS Calibration on Purchased 8-Channel	C8234-1001	£61.00					
3.10 As Found UKAS Calibration on Purchased 12-Channel	C8334-1001	£71.00					

Prices are for manual or electronic pipettes. NOTE: By selecting one of the above UKAS part numbers you are agreeing to a **3 Volume, 10 Reading Calibration** to manufacturer's specifications with the exception of multi-channels with volumes less than 10 µl, which will be in accordance with ISO 8655 permissible errors.



For more details on our UKAS accredited calibration laboratory (4296), see pages 50 - 51.

## ErgoOne® E Electronic Pipettes

#### Reliable and ergonomic!

ErgoOne® E single and multi-channel pipettes provide reliable pipetting every day. Ergonomic and lightweight, ErgoOne® E pipettes are perfect for comfortable pipetting during long periods of use.

Five operating modes provide standard and reverse pipetting, mixing and dispensing, plus a unique "Electrophoresis" mode to help you load gels easily. The long lasting battery can also be charged during use so you are never without your pipette.

ErgoOne® E pipettes are sold with a 1-year warranty.

#### **Product features**

- ► Easy to use intuitive menu structure
- ► Lightweight, ergonomic design
- ► Adjustable finger rest for individual comfort
- ► Significantly reduced tip loading and ejection forces
- ▶ Universal tip fit



- 1. Ergonomic, easy to reach pipetting button
- 2. Colour-coded ejector button provides significantly reduced ejection forces
- 3. Adjustable finger rest ErgoOne® E pipettes rest easily and ergonomically in your hand. The finger rest is height adjustable to allow the fine-tuning of the hand position for effortless operation of the function buttons
- 4. Comfortable, ergonomic hand grip
- 5. Autoclavable pipette shaft
- 6. Significantly reduced tip loading forces
- 7. Universal tip fit

\*The ErgoOne® E is designed and constructed for low-contamination transfer of liquids, in particular for samples from the human body and for reagents within the scope of an in-vitro diagnostic application in order to allow the in-vitro diagnostic medical device to be used as intended. This pipette is an in-vitro diagnostic device according to Directive 98/79/EC of the European Parliament and the Council, dated 27 October 1998. It is intended exclusively for indoor use and for operation by qualified staff.





ORDER INFORMATION									
Volume Range	Increments	Systematic Error (Inaccuracy) ±%	Random Error (Imprecision) ±%	Cat. No.	Price Each				
Single-Channel Pipettes									
0.5-10 μl (red)	0.01 μΙ	5.0/1.5/1.0	2.0/0.8/0.4	G9001-0010	£421.79				
2.0-20 μl (red)	0.02 μΙ	5.0/1.5/1.0	2.5/0.8/0.4	G9001-0020	£421.79				
10-200 μl (yellow)	0.2 μΙ	4.0/1.2/0.8	0.6/0.3/0.2	G9001-0200	£421.79				
50-1000 μl (blue)	1.0 µl	3.0/1.0/0.6	0.6/0.3/0.2	G9001-1000	£421.79				
250 μl – 5 ml (violet)	5.0 µl	3.0/1.0/0.6	0.6/0.3/0.2	G9001-5000	£448.82				
8-Channel Pipettes									
0.5-10 μl (red)	0.01 µl	8.0/2.0/1.2	4.0 to 0.8	G9008-0010	£702.98				
1.0-20 μl (red)	0.02 μΙ	8.0/2.0/1.0	3.0 to 0.5	G9008-0020	£702.98				
5.0-100 μl (yellow)	0.1 µl	4.0/1.6/0.8	1.5 to 0.25	G9008-0100	£702.98				
15-300 μl (green)	0.5 µl	3.0/1.2/0.6	1.2 to 0.25	G9008-0300	£702.98				
12-Channel Pipettes									
0.5-10 μl (red)	0.01 μΙ	8.0/2.0/1.2	4.0 to 0.8	G9012-0010	£811.13				
1.0−20 µl (red)	0.02 μΙ	8.0/2.0/1.0	3.0 to 0.5	G9012-0020	£811.13				
5.0-100 μl (yellow)	0.1 μΙ	4.0/1.6/0.8	1.5 to 0.25	G9012-0100	£811.13				
15-300 μl (green)	0.5 µl	3.0/1.2/0.6	1.2 to 0.25	G9012-0300	£811.13				

Single-channels supplied with battery, AC Adapter and silicone oil. Multi-channels supplied with battery, AC Adapter, individual stand, a rack of TipOne® tips and silicone oil. Final test values related to nominal value which is printed on the device (ie, max. volume) and the indicated volume steps, according to DIN EN ISO 8655. 1-year warranty.

ACCESSORIES							
Description	Pack Size	Cat. No.	Price				
AC Adapter for Europe/UK (230V/50 Hz)	1	G9999-1000	£34.96				
Charging Stand with AC Adapter for Europe/UK (230V/50 Hz) for 3 Single-Channel Pipettes up to 1000 μl	1	G9999-1001	£208.49				
Individual Stand (for Single-Channel Pipettes, 10 μl to 1000 μl)	1	G9999-1002	£44.13				
Individual Stand (for 5000 μl Single-Channel Pipette)	1	G9999-1003	£44.13				
Individual Stand (for all Multi-Channel Pipettes)	1	G9999-1004	£28.68				
Replacement Battery	1	G9999-1005	£24.03				
Silicone Oil for Piston (for Single-Channel Pipettes, 10 $\mu l$ to 1000 $\mu l)$	1	G9999-1006	£7.65				
Silicone Oil for Piston (for 5000 µl Single-Channel Pipette and all Multi-Channels)	1	G9999-1007	£12.40				
Fluorstatic Grease for Guiding Axis (for Multi-Channel Pipettes)	1	G9999-1008	£2.79				



G9999-1001



G9999-1002



G9999-1004



Easy to read digital display

Large, digital volume display and easy to master intuitive menu structure makes the ErgoOne® E the researcher's choice for easy, everyday pipetting.



#### Long lasting battery

~4000 pipetting cycles on one charge! Special 'Bat-tery Refresh Function' extends the service life and optimises battery performance. Auto shut-off after 10 minutes of inactivity helps save battery charge.



Can be recharged during use

You will never be without the use of your pipette the ErgoOne® E can be recharged during use!

## ErgoOne® FAST Pipette Controller





#### **Efficient pipetting**

During development of the ErgoOne® FAST electronic pipette controller, a high pipetting speed was recognised as an important feature. The result is convincing! The ErgoOne® FAST can fill a 25 ml pipette in less than than four seconds!

#### **Ergonomy meets modernity**

Every aspect of ErgoOne® FAST has been developed with ergonomics in mind. ErgoOne® FAST is one of the lightest pipette controllers on the market. It is designed for comfort and balances perfectly in the hand to provide fatiguefree pipetting, even during long periods.

ErgoOne® FAST is sold with a 2-year warranty.

**FAST** stands for Flexible, Accurate & Precise, Safe, Transfer

#### **Product features**

- ► Intuitive, pressure-responsive speed control
- ▶ Provides fast pipetting with maximum precision
- ► Low operating forces
- Lightweight and ergonomically designed for fatigue-free pipetting
- ► Use with all plastic or glass serological pipettes (1.0 - 100 ml)



Pressure-responsive speed

The aspirating and dispensing speeds are easily regulated by pressuresensitive control buttons. Unlike other controllers, there is no need to select a separate speed setting, thus making the ErgoOne® FAST very flexible and practical to use.



**Battery-life indicator** Battery status display uses traffic light system for easy, visual identification.



Modern battery technology Completely charged, the battery can perform 2000 x 25 ml dosing cycles. The Lithium-Polymer battery technology quarantees a constant pipetting speed that will not diminish as the battery charge declines. Additionally, the battery is easy to replace!



Precise handling of pipettes ErgoOne® FAST with serological

ORDER INFORMATION							
Description	Pack Size	Cat. No.	Price				
ErgoOne® FAST Pipette Controller¹)	1	\$7166-0010	£285.00				
Access	sories						
Replacement/Additional Wall Mount	1	P7166-6402	£12.75				
Sticky Tape for Wall Mount	1	P7166-6701	£6.94				
0.2 μm Membrane Filter, PTFE (Sterile)	5	P7166-6605	£26.03				
0.45 μm Membrane Filter, PTFE (Sterile)	5	P7166-6800	£26.03				
Replacement Seal for Filter Adapter	5	P7166-6904	£32.82				
Replacement Pipette Adapter (Silicone)	1	P7166-6002	£13.29				
Replacement Aspiration Cone	1	P7166-6103	£9.89				
Replacement Lithium Polymer Battery, 3.7 V	1	P7166-6501	£25.27				
Replacement Power Supply, 100-240 V / 50-60 Hz	1	P7166-6109	£25.27				
ErgoOne® FAST Pipette Benchtop Support	1	P7166-6306	£13.50				

TECHNICAL SPECIFICATIONS					
Battery	Lithium Polymer Battery				
Charging time	~3 h				
Battery Life	~2000 x 25 ml dispensing cycles from a fully- charged battery				
Permissable Ambient Temp.	5 °C to 40 °C (10 % to 90 % Humidity)				
Atmospheric Pressure	79.5 – 106 kPA				
Weight	160 g (with battery)				
Materials	Housing: Polyproypylene Membrane Filter PTFE Pipette Adapter: Silicone				
Voltage	Input: 100 V –240 V AC±10% Output: 5V				
Frequency	50 Hz – 60 Hz				



## A perfect match -

Serological Pipettes

#### More details:

see page 43 or visit www.starlab.click/serologicals

## StarPet Filler (Manual)



Use with all plastic or glass pipettes, 1.0 ml to 25 ml. This manual pipette filler has an exceptionally smooth operation. Two dispense modes: one delivers fast filling with optimal accuracy for 10 ml to 25 ml pipettes; the other is for use with 1.0 ml to 10 ml pipettes where accuracy can sometimes be difficult to control. Compatible with Blow-Out, 'To Deliver' (TD) or gravity dispense pipettes.

#### **Product features**

- ▶ Use with all plastic or glass pipettes, 1.0 ml to 25 ml
- ► Exceptionally smooth operation
- ► Autoclavable silicon pipette holder

ORDER INFORMATION						
Description Pack Size Cat. No. Price						
StarPet Filler (Manual)	1	E4866-2000	£34.17			
Silicon Pipette Holder	1	E4266-0040	£29.07			

# Pipette Stands

	Description	Cat. No.	Price	Des	cription	Cat. No.	Price
	ErgoOne® Universal Carousel Stand for up to 8 pipettes (UV Resistant)  For use with: ErgoOne®, Biohit®, Finn®, Gilson®, Rainin® single or multi-channel pipettes	\$7200-0000	£98.53 each	Erg Wa	goOne® Ill Mount use with: DOne® single or ti-channel pipettes	\$7200-0001	£7.50
Ť	ErgoOne® Self-Adhesive Shelf Holder for 1 pipette (UV Resistant)  For use with: ErgoOne® single or multi-channel pipettes	E3099-0001	£5.72 each	Ber for	goOne® nch Support • 1 pipette use with: oOne® single-channel ettes	E3099-0002	£12.00 Pack of
I	Universal Carousel Stand for up to 6 pipettes (UV Resistant)  For use with: Eppendorf®, Gilson®, Rainin®, StarPet single-channel pipettes	G8965-8000	£99.99 each	Pip for (UV For a Ergo Eppe	iversal Acrylic sette Stand up to 5 pipettes / Resistant) use with: 20ne®, Biohit®, Finn®, endorf®, Gilson®, Rainin® ile or multi-channel	E3099-0000	£49.75 each
	ErgoOne® E Individual Stand for single-channel pipettes  For use with: ErgoOne® E single-channel pipettes	For 10 µl to 1000 µl pipettes G9999-1002 For 5000 µl pipettes G9999-1003	£44.13 each	Ind for pip For a	goOne® E lividual Stand multi-channels pettes use with: All volumes of pone® E multi-channel ettes	G9999-1004	£28.68 each
	ErgoOne® E Charging Stand - for up to 3 pipettes For use with: ErgoOne® E single-channel pipettes	G9999-1001	£208,49 each	Ber for For t Ergo	goOne® FAST nch Support • 1 pipette use with: One® FAST pipette troller	P7166-6306	£13.50 each

Pipettes / pipette controllers are not included. Images for illustrative purposes only.

## **Serological** Pipettes





ORDER INFORMATION								
Description	Pack Size	Cat. No.	Price					
1.0 ml Serological Pipette (sterile), individually wrapped	500	E4860-0001	£75.00					
2.0 ml Serological Pipette (sterile), individually wrapped	500	E4860-0002	£79.00					
5.0 ml Serological Pipette (sterile), individually wrapped	200	E4860-0005	£46.00					
10 ml Serological Pipette (sterile), individually wrapped	200	E4860-0010	£49.00					
25 ml Serological Pipette (sterile), individually wrapped	150	E4860-0025	£60.00					
50 ml Serological Pipette (sterile), individually wrapped	100	E4860-0050	£70.00					
100 ml Serological Pipette (sterile), individually wrapped	50	E4860-1100	£75.00					

#### Discover the possibilities!

The pipettes are constructed from polystryene for sterile serological and tissue culture applications. Colour-coding on both the pipettes and the packaging provides easy identification. The 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. Perfect for use with all popular pipette controllers, including ErgoOne® FAST.

#### **Product features**

- ► Accuracy ±2%
- ▶ Bidirectional graduations provide added applicability
- ► Non-cytotoxic and non-haemolytic USP Class VI polystyrene
- ► Gamma sterilized to SAL 10<sup>-6</sup> (ISO11137)
- ► Certified RNase, DNase, latex and pyrogen free

TECHNICAL SPECIFICATIONS							
Color	yellow	green	blue	orange	red	violet	pink
Volume	1 ml	2 ml	5 ml	10 ml	25 ml	50 ml	100 ml



( www.starlab.click/serologicalpipettes





## **Aspiration** Pipettes



Sterile, polystyrene pipette without a filter or graduations. Aspiration pipettes are used for vacuum aspirating procedures or transfers of fluids where accuracy is not a requirement.

ORDER INFORMATION							
Description	Pack Size	Cat. No.	Price				
2.0 ml Aspiration Pipette (sterile), Ind. wrapped	500	E4861-0002	£66.28				
5.0 ml Aspiration Pipettes (sterile), Ind. wrapped	200	E4861-0005	£39.50				
10.0 ml Aspiration Pipettes (sterile), Ind. wrapped	200	E4861-0010	£44.50				



## RepeatOne® Dispenser



#### Rapid dispensing!

RepeatOne® is a hand-held device for repetitive and rapid dispensing of volumes 2 µl to 5 ml.

#### Compatibility

RepeatOne® can be used with the following dispenser

- ► STARLAB TipOne® Repeat Dispenser Tips
- Brand®
- Gilson®
- ► HTL®
- Ritter®

#### **Product features**

- ▶ Up to 48 dispenses from the same sample
- ▶ Locking clamp holds the dispenser tip securely in place
- ► Conforms to EN ISO 8655 Piston-Operated Volumetric **Apparatus**
- ► Conforms to ASTM E1154-89 (2003) Standard Specification for Piston or Plunger Operated Volumetric **Apparatus**
- ▶ 2-year warranty



ORDER INFORMATION				
Description Pack Size Cat. No. Price				
RepeatOne® Dispenser	1	S4026-1500	£225.00	
	Accessories			
25 ml Adapter for TipOne® Repeat Dispenser Tips (Non-Sterile)	1	S4756-2500	£5.63	
50 ml Adapter for TipOne® Repeat Dispenser Tips (Non-Sterile)	1	S4756-5000	£5.63	
25 ml Adapter for TipOne® Repeat Dispenser Tips (Sterile) 7 S4765-2500 £42.23				
50 ml Adapter for TipOne® Repeat Dispenser Tips (Sterile) 7 S4765-5000 £42.23				
Note: RepeatOne® Dispenser is not autoclavable. 2-year warranty.				

#### A perfect match -

TipOne® Repeat Tips

#### More details:

see page 24 or visit www.starlab.click/dispensertips

TEST CONDITIONS IN ACCORDANCE WITH EN ISO 8655		
Liquid	Water bi-distilled, degassed	
Test Temperature	$20-25$ °C, $\pm 0.5$ °C constant (Data for TipOne® Repeat 0.5 ml, 1.25 ml and 2.5 ml are determined with attached 200 $\mu$ l pipette tip)	
Operating Temperature	+4 °C to +40 °C	
Measurement	Performed with original TipOne® Repeat dispenser tips in accordance with EN ISO 8655	



www.starlab.click/repeatdispenser



PIPETTE SERVICING			
Calibration & Repair Overview	46-47		
Standard Servicing Levels	48-49		
UKAS Calibration Levels	50-51		
PIPETTE TRAINING			
Pipette Training Sessions	52	BALANCE CALIBRATION	54
PIPETTE SPARES		TRACEABLE TIMER	
For Gilson® Pipettes	53	& STOPWATCH CALIBRATION	54

## **Calibration** & Repair Overview



#### For accuracy to the last drop!

Our team of fully-trained technicians can service all brands of pipettes: single and multi-channel, manual and electronic, repeaters, pipette controllers and bottle-top dispensers.

STARLAB is a UKAS accredited laboratory (4296), so you can be sure our staff are competent and fully-trained, that our instruments are calibrated and properly maintained, and our work is carried out in the correct conditions.

Using STARLAB to calibrate your pipettes helps support your compliance with quality systems such as:

- ▶ **ISO 9001** Quality Management System
- ▶ ISO 15189 Medical Laboratories Requirements for Quality and Competence
- ▶ **ISO 13485** Medical Devices Quality Management System
- FDA 21 CFR Part 820 Good Manufacturing Practice for Medical Devices.

STARLAB provides a UK-wide service for pipettes via a mail-in service, or you can minimise pipette 'down-time' with an on-site clinic1.

#### **MAIL-IN servicing**

- ► Convenient service, as and when you need it
- ► Ouick turnaround

#### How to mail-in your pipettes

- ▶ Decontaminate your pipette and complete and sign a Decontamination Declaration (Purchase Order No. must be included)
- ▶ Please ensure your pipettes are completely dry before packing them up for mail-in
- ▶ Package your pipette securely to avoid damage during transit, and don't forget to include the completed Decontamination Declaration!
- ▶ When the pipette arrives at our lab we will send you a confirmation by email
- ► Your pipette and calibration certificate will be returned to you via courier

#### Mail-in contact

For any query regarding a pipette that has been mailed-in to our laboratory please contact:

servicecentre@starlab.co.uk

#### ON-SITE servicing

- ▶ Pre-clinic consultation to ensure everthing runs smoothly. Each clinic is tailored to suit individual requirements
- ► Clinic scheduling service available for large clinics
- ► Certificates provided electronically at end of clinic
- ► Service Report (provided daily, weekly or at end, depending on clinic length) listing all pipettes serviced by serial number, the service level carried out, and any parts fitted
- ► Clinic debrief and post-clinic consultation to ensure service satisfaction

#### How to organise an on-site clinic

- ► Contact your STARLAB Account Manager or the STARLAB office to discuss your requirements
- ▶ If it's your first clinic with us, we will arrange a preclinic consultation so you can let us know specific requirements, and for us to ensure the proposed clinic location is suitable (see pages 49 and 50).
- ▶ We'll provide Decontamination Declarations, and can also provide marketing material to help promote the clinic, as well as info on decontamination procedures
- ▶ You sit back and relax while we do the work!

#### On-site and general contact

For general servicing enquiries, to book a clinic or if you have a query regarding an existing clinic, please contact: service@starlab.co.uk / 01908 283810

<sup>1</sup>Minimum number of pipettes applies. Day rate also available.

#### CaliStar

#### - STARLAB's unique calibration software

CaliStar, STARLAB's own, unique calibration software incorporates 2D barcoding technology. This innovative piece of software was designed by STARLAB to improve the efficiency of our pipette service as a whole. The software greatly reduces repetitive recording of serial numbers and other administrative tasks, minimises errors and greatly speeds up the administrative tasks involved.

The 2D barcode is on the calibration label we put on the pipettes. This enables us to track each pipette from the moment it arrives in our lab or at an on-site clinic, through servicing and calibration, to out the door and beyond.

CaliStar not only tracks the service status of every pipette for our internal use, it also builds up a history of every pipette (by Serial No.) that we calibrate by recording the:

- spare parts used
- service level carried out
- calibration results

Full Service Report: following an on-site clinic, we will provide a Service Report which details all the pipettes serviced at the clinic and at what level, and any replacement parts fitted.

Electronic certificates: Never lose a certificate again! Certificates are provided electronically (via email transfer or USB drive) so you can safely store them on your system. Should you misplace a certificate, simply provide us with the pipette's serial number and the year of calibration, CaliStar can easily retrieve a copy of your certificate.

**Electronic signatures** are used on UKAS certificates, which means you get your certificates quicker at the end of a clinic. For large clinics over several days, Pass/Fail reports can be provided so pipettes can go back into service before certificates are issued.

Bespoke invoicing: CaliStar is integrated with our backoffice system so we can generate invoices to your bespoke requirements.

Reporting: CaliStar allows quick reporting of detailed and accurate information. In addition to the Service Report, we can provide the service history of an individual pipette, what it is costing to maintain over a period of time and how it is performing. Over subsequent years, these reports will allow you to identify any pipettes requiring frequent and/or expensive repairs. We can also provide a list of pipettes belonging to a lab, group or an institution for asset management purposes.



www.starlab.click/pipetteservicing

#### **IMPORTANT!**

ALL pipettes for servicing MUST be accompanied by a completed Decontamination Declaration so we know they are safe for us to work on. Please complete ALL sections of the form. We can not service or calibrate a pipette without a completed and signed declaration. Please also ensure all pipettes are completely dry before packing up to mail-in to our laboratory or before presenting for servicing at an on-site clinic.

**Download** a form from here: www.starlab.click/decontamination

STARLAB recommends using either Chemgene® or Distel® Disinfectant (pages 170–171) to decontaminate your pipettes. Download the Pipette Decontamination Procedure fact sheets at:

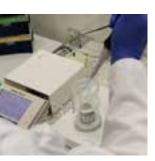
www.starlab.click/decontamination

#### **Excellent customer services**

- ► Replacement parts and servicing is guaranteed for
- Customised servicing: you choose the specifications, the number of readings per channel and the test points to suit
- Customised invoicing to suit your institution's requirements (eg. by department, grant code or name)
- ▶ No hidden costs! We will always contact you beforehand if any major parts need replacing
- ► After care service we are available at any time with help and advice on any pipetting issues or quality specification questions

<sup>1</sup>Terms and conditions apply.

## **Standard** Servicing & Calibration



#### All makes! All models!

- ► Five-working-day turnaround time for our mail-in service
- ► Same price per pipette for mail-in and on-site
- ► Same price for manual or electronic pipettes
- ► Calibration on ALL tip cones on multi-channel pipettes, as standard
- ► A day-rate is available, if you have a low number of pipettes for an on-site clinic

#### STANDARD SERVICING LEVELS AND PRICING STRUCTURE

#### Service and Calibration

- ▶ Pipette dismantled, cleaned internally, inspected, leak tested and, if necessary, worn parts replaced
- ► Pipette externally cleaned
- ▶ Calibration Date Sticker to show the next calibration due date
- ▶ If necessary, your pipette will be adjusted to comply and recalibrated to manufacturer's specification¹)
- ▶ Certificate of Calibration provided for each pipette, showing the results and any spare parts fitted

	SERVICING & CALIBRATION					
	Single-Channel	8-Channel	12-Channel	16-Channel	Repeat Dispenser	Bottle-Top Disp.
	Cat. Nos / Pricing	Cat. Nos / Pricing	Cat. Nos / Pricing	Cat. Nos / Pricing	Cat. Nos / Pricing	Cat. Nos / Pricing
1-STAR	On-Site: C1111-0000	On-Site: C1211-0000	On-Site: C1311-0000	On-Site: C1411-0000	On-Site: C3124-0000	On-Site: C3121-0000
4 Readings at	Mail-In: C1121-0000	Mail-In: C1221-0000	Mail-In: C1321-0000	Mail-In: C1421-0000	Mail-In: C3124-M000	Mail-In: C3121-M000
Mid Point 2)	£22.00	£39.00	£43.00	£51.00	£22.00	£41.00
<b>2-STAR</b> 3 Readings at Min & Max Points <sup>2)</sup>	On-Site: C1112-0000	On-Site: C1212-0000	On-Site: C1312-0000	On-Site: C1413-0000	On-Site: C3125-0000	On-Site: C3122-0000
	Mail-In: C1122-0000	Mail-In: C1222-0000	Mail-In: C1322-0000	Mail-In: C1423-0000	Mail-In: C3125-M000	Mail-In: C3122-M000
	£24.00	£47.00	£51.00	£56.00	£24.00	£46.00
<b>3-STAR</b>	On-Site: C1113-0000	On-Site: C1213-0000	On-Site: C1313-0000	On-Site: C1414-0000	On-Site: C3126-0000	On-Site: C3123-0000
4 Readings at Min,	Mail-In: C1123-0000	Mail-In: C1223-0000	Mail-In: C1323-0000	Mail-In: C1424-0000	Mail-In: C3126-M000	Mail-In: C3123-M000
Mid & Max Points <sup>2)</sup>	£26.00	£51.00	£58.00	£66.00	£26.00	£51.00

<sup>&</sup>lt;sup>1)</sup> STARLAB can also calibrate to ISO 8655 specifications or to your own, exact requirements; just let us know beforehand. Prices may vary. <sup>2)</sup> On multi-channels, two readings are taken on EVERY channel at the appropriate number of points for the service level.

#### **As Found Calibration**

Provides a check on the performance of your pipette, prior to servicing or as part of your regular checks. No adjustment to the pipette is made; this is purely a statement of how the pipette is performing:

- ▶ Pipette checked against the manufacturer's specification¹¹
- ► Certificate of Calibration provided for each pipette, showing pass or fail
- ▶ Calibration Date Sticker to show the next calibration due date

		AS FOUND CALIBRATION					
	Single-Channel	8-Channel	12-Channel	16-Channel	Repeat Dispenser	Bottle-Top Disp.	
	Cat. Nos / Pricing	Cat. Nos / Pricing	Cat. Nos / Pricing	Cat. Nos / Pricing	Cat. Nos / Pricing	Cat. Nos / Pricing	
1-STAR	On-Site: C1111-1000	On-Site: C1211-1000	On-Site: C1311-1000	On-Site: C1411-1000	On-Site: C3124-0100	On-Site: C3121-0100	
4 Readings at	Mail-In: C1121-1000	Mail-In: C1221-1000	Mail-In: C1321-1000	Mail-In: C1421-1000	Mail-In: C3124-M100	Mail-In: C3121-M100	
Mid Point <sup>2)</sup>	£16.00	£30.00	£32.00	£46.00	£16.00	£25.00	
2-STAR 3 Readings at Min & Max Points 2)	On-Site: C1112-1000	On-Site: C1212-1000	On-Site: C1312-1000	On-Site: C1413-1000	On-Site: C3125-0100	On-Site: C3122-0100	
	Mail-In: C1122-1000	Mail-In: C1222-1000	Mail-In: C1322-1000	Mail-In: C1423-1000	Mail-In: C3125-M100	Mail-In: C3122-M100	
	£18.00	£31.00	£33.00	£49.00	£18.00	£35.00	
<b>3-STAR</b>	On-Site: C1113-1000	On-Site: C1213-1000	On-Site: C1313-1000	On-Site: C1414-1000	On-Site: C3126-0100	On-Site: C3123-0100	
4 Readings at Min,	Mail-In: C1123-1000	Mail-In: C1223-1000	Mail-In: C1323-1000	Mail-In: C1424-1000	Mail-In: C3126-M100	Mail-In: C3123-M100	
Mid & Max Points <sup>2)</sup>	£20.00	£33.00	£34.00	£56.00	£20.00	£42.00	

<sup>&</sup>lt;sup>1)</sup> STARLAB can also calibrate to ISO 8655 specifications or to your own, exact requirements; just let us know beforehand. Prices may vary.
<sup>2)</sup> On multi-channels, two readings are taken on EVERY channel at the appropriate number of points for the service level.

#### QuickCAL

A great choice if you have very large numbers of pipettes, and/or you wish to keep costs down if you do not quite need everything from our standard levels opposite. QuickCal offers a great value calibration check and service, as detailed below:

- ▶ Pipette dismantled, cleaned internally, inspected, leak tested and, if necessary, worn parts replaced
- ▶ Calibration Date Sticker to show the next calibration due date
- ▶ If necessary, your pipette will be adjusted to comply and recalibrated to ISO 8655 specification
- ► Service Report showing details of all pipettes and any spare parts fitted. (A Certificate of Calibration for each Pipette can be provided at additional cost.)

		QUICKCAL			
	Single-Channel	8-Channel	12-Channel	16-Channel	
	Cat. Nos / Pricing				
QuickCAL 3 Readings at Mid Point 1)	On-Site: C5020-0000	On-Site: C5020-0800	On-Site: C5020-0120	On-Site: C5020-0400	
	Mail-In: C5000-0000	Mail-In: C5000-0800	Mail-In: C5000-0120	Mail-In: C5000-0400	
	£15.00	£23.00	£25.00	£28.00	

#### **Pipette Controller Servicing**

- ▶ Pipette dismantled, cleaned internally and inspected
- ► Reassembled and leak tested
- ► Worn parts are replaced, if necessary
- ► Pipette externally cleaned
- ► Certificate of Confirmation that the controller has been serviced, tested and is delivering accurately

	PIPETTE CONTROLLER	
	Cat. Nos / Pricing	
Pipette Controller Servicing	On-Site: C0010-0000 Mail-In: C0020-0000 £22.00	

#### **Custom servicing**

We can service pipettes to your exact requirements. If the standard servicing levels listed are not what you need, you choose the number of readings per channel and the test points to suit. Just let us know exactly what you need and we'll give you a competitive quote.

#### Parts at extra cost for all service levels

#### REQUIREMENTS FOR ON-SITE CLINICS

Our technicians will bring along all the necessary equipment for servicing.

However, there are some stringent requirements that must be adhered to for the room/area where the clinic will take place. It must:

- ► Have a stable temperature of 17-25 °C with no large temperature fluctuations
- ▶ Be draught-free. Draughts can cause balance instability (eg. if calibration is performed directly under an air conditioning unit or near a door.)
- ▶ Not be a thoroughfare. If people are continually walking behind or close to the technician this can cause balance instability
- ▶ Have a stable, vibration-free bench for us to work on. Vibrations cause balance instability
- ▶ Have at least 2 m of bench space for us to work on (this varies clinic to clinic, depending on numbers etc, we will discuss this prior to the clinic)
- ▶ Not be carpeted. Carpet can cause static and balance instability
- ▶ Have a solid floor (eg. a mezzanine may not be suitable) as vibrations carry to the bench and cause balance instability

## **UKAS** Calibration



As a UKAS accredited laboratory (4296) you can be sure that our staff are competent and fullytrained, that our instruments are calibrated and properly maintained, and our servicing is carried out in the correct conditions. UKAS is an internationally recognised standard which ensures full traceability of data, and requires both internal and external quality control.

#### All makes! All models!

- ► A 5-working-day turn-around time for our mail-in service
- The same prices per pipette for mail in or on-site clinics
- ▶ The same prices for manual or electronic pipettes
- Calibration on ALL tip cones on multi-channel pipettes, as standard
- ► A day-rate if there are low numbers of pipettes for an on-site clinic





#### **UKAS CALIBRATION LEVELS**

#### As Found UKAS Calibration

As Found Calibration checks the performance of your pipette prior to servicing or as part of your regular checks, No adjustment of the pipette is made; this is purely a statement of how the pipette is performing:

- ▶ The pipette will be checked against the specified specification (manufacturer's, ISO 8655 or your own)
- ► Calibration sticker
- ► Certificate of Calibration provided for each pipette
- ▶ If your pipette is not within specification we can perform a Service & UKAS Calibration (if requested beforehand)

#### Service & UKAS Calibration

For pipettes requiring a service as well as a calibration to UKAS standards:

- ▶ Pipette dismantled, cleaned internally, inspected, leak tested and if necessary, worn parts replaced
- ► Pipette externally cleaned
- ► Calibration sticker
- ▶ If necessary, your pipette will be adjusted to comply and recalibrated to the specified specification (manufacturer's, ISO 8655 or your own)
- ▶ Certificate of Calibration provided for each pipette, showing the results and any spare parts fitted

#### Pre & Post

Comprises As Found Calibration to show how your pipette has been performing prior to us performing a Service and final **UKAS** Calibration:

- ► As Found UKAS Calibration (as above), followed by
- ► A Service & UKAS Calibration (as above)

#### REQUIREMENTS FOR CLINICS WITH UKAS CALIBRATION

Our technicians will bring along all the necessary equipment for servicing.

However, there are requirements that must be adhered to for the room/area where the clinic with UKAS calibration will take place. It must:

- ► Have a stable temperature of 20-25 °C with no large temperature fluctuations
- ▶ Be draught-free. Draughts can cause balance instability (eq. if calibration is performed directly under an air conditioning unit or near a door.)
- ▶ Not be a thoroughfare. If people are continually walking behind or close to the technician this can cause balance instability
- ▶ Have a stable, vibration-free bench for us to work on. Vibrations cause balance instability
- ▶ Have at least 2 m of bench space for us to work on (this varies clinic to clinic, depending on numbers etc, we will discuss this prior to the clinic)
- ▶ Not be carpeted. Carpet can cause static and balance instability
- ▶ Have a solid floor (eg. a mezzanine may not be suitable) as vibrations carry to the bench and cause balance instability

#### **PRICING STRUCTURE**

#### ▶ Parts at extra cost for all service levels

		10 READINGS	AT 3 VOLUMES	
	Single-Channel	8-Channel	12-Channel	Repeat Dispenser
	Cat. Nos / Pricing			
As Found  10 Readings on ALL channels at Min, Mid and Max Points	On-Site: C8137-0000	On-Site: C8237-0000	On-Site: C8337-0000	On-Site: C8437-0000
	Mail-In: C8137-M000	Mail-In: C8237-M000	Mail-In: C8337-M000	Mail-In: C8437-M000
	£51.00	£76.00	£81.00	£51.00
Service & UKAS Cal.	On-Site: C8134-0000	On-Site: C8234-0000	On-Site: C8334-0000	On-Site: C9434-0000
10 Readings on ALL channels	Mail-In: C8134-M000	Mail-In: C8234-M000	Mail-In: C8334-M000	Mail-In: C9434-M000
at Min, Mid and Max Points	£61.00	£91.00	£96.00	£61.00
Pre & Post	On-Site: C8135-0000	On-Site: C8235-0000	On-Site: C8335-0000	On-Site: C9435-0000
10 Readings on ALL channels	Mail-In: C8135-M000	Mail-In: C8235-M000	Mail-In: C8335-M000	Mail-In: C9435-M000
at Min, Mid and Max Points	£86.00	£155.00	£165.00	£95.00

		10 READINGS	AT 2 VOLUMES	
	Single-Channel	8-Channel	12-Channel	Repeat Dispenser
	Cat. Nos / Pricing			
<b>As Found</b>	On-Site: C8130-0000	On-Site: C8230-0000	On-Site: C8330-0000	On-Site: C8430-0000
10 Readings on ALL channels	Mail-In: C8130-M000	Mail-In: C8230-M000	Mail-In: C8330-M000	Mail-In: C8430-M000
at Min and Max Points	£41.00	£61.00	£66.00	£41.00
Service & UKAS Cal.  10 Readings on ALL channels at Min and Max Points	On-Site: C8131-0000	On-Site: C8231-0000	On-Site: C8331-0000	On-Site: C8431-0000
	Mail-In: C8131-M000	Mail-In: C8231-M000	Mail-In: C8331-M000	Mail-In: C8431-M000
	£51.00	£76.00	£81.00	£51.00
Pre & Post	On-Site: C8132-0000	On-Site: C8232-0000	On-Site: C8332-0000	On-Site: C8432-0000
10 Readings on ALL channels	Mail-In: C8132-M000	Mail-In: C8232-M000	Mail-In: C8332-M000	Mail-In: C8432-M000
at Min and Max Points	£76.00	£121.00	£131.00	£76.00

		5 READINGS	AT 3 VOLUMES*	
	Single-Channel	8-Channel	12-Channel	Repeat Dispenser
	Cat. Nos / Pricing			
As Found 5 Readings on ALL channels at Min, Mid and Max Points	On-Site: C8139-0000	On-Site: C8239-0000	On-Site: C8339-0000	On-Site: C9439-0000
	Mail-In: C8139-M000	Mail-In: C8239-M000	Mail-In: C8339-M000	Mail-In: C9439-M000
	£31.00	£51.00	£56.00	£31.00
Service & UKAS Cal.	On-Site: C8138-0000	On-Site: C8238-0000	On-Site: C8338-0000	On-Site: C9438-0000
5 Readings on ALL channels	Mail-In: C8138-M000	Mail-In: C8238-M000	Mail-In: C8338-M000	Mail-In: C9438-M000
at Min, Mid and Max Points	£41.00	£66.00	£71.00	£41.00
Pre & Post	On-Site: C8136-0000	On-Site: C8236-0000	On-Site: C8336-0000	On-Site: C9436-0000
5 Readings on ALL channels	Mail-In: C8136-M000	Mail-In: C8236-M000	Mail-In: C8336-M000	Mail-In: C9436-M000
at Min, Mid and Max Points	£66.00	£106.00	£111.00	£66.00

	5 READINGS AT 2 VOLUMES*				
	Single-Channel	8-Channel	12-Channel	Repeat Dispenser	
	Cat. Nos / Pricing	Cat. Nos / Pricing	Cat. Nos / Pricing	Cat. Nos / Pricing	
As Found 5 Readings on ALL channels at Min and Max Points	On-Site: C8439-0000	On-Site: C8539-0000	On-Site: C8639-0000	On-Site: C9739-0000	
	Mail-In: C8439-M000	Mail-In: C8459-M000	Mail-In: C8659-M000	Mail-In: C9739-M000	
	£26.00	£46.00	£51.00	£26.00	
<b>Service &amp; UKAS Cal.</b>	On-Site: C8438-0000	On-Site: C8538-0000	On-Site: C8638-0000	On-Site: C9738-0000	
5 Readings on ALL channels	Mail-In: C8438-M000	Mail-In: C8538-M000	Mail-In: C8638-M000	Mail-In: C9738-M000	
at Min and Max Points	£36.00	£61.00	£66.00	£36.00	
Pre & Post 5 Readings on ALL channels at Min and Max Points	On-Site: C8436-0000	On-Site: C8536-0000	On-Site: C8636-0000	On-Site: C9736-0000	
	Mail-In: C8436-M000	Mail-In: C8536-M000	Mail-In: C8636-M000	Mail-In: C9736-M000	
	£56.00	£91.00	£96.00	£56.00	

	FIXED VOLUME*		
	Single-Channel Cat. Nos / Pricing		
As Found 5 Readings at one volume	On-Site: C8739-0500 Mail-In: C8739-M500 £18.00		
Service & UKAS Cal. 5 Readings at one volume	On-Site: C8738-0500 Mail-In: C8738-M500 f26.00		
Pre & Post 5 Readings at one volume	On-Site: C8736-0500 Mail-In: C8736-M500 £41.00		

By selecting 5 readings per volume it is with the understanding that it will NOT permit a conclusion on conformity with ISO 8655.

Need your new pipette to be supplied with UKAS Certification? Order the UKAS calibration at the same time as ordering your new pipette from STARLAB, and get the calibration at a special  $% \left\{ 1,2,\ldots,n\right\}$ discounted price! We will perform a 3.10 As Found UKAS **Calibration** on your brand new pipette prior to dispatch and send it with its UKAS Certificate of Calibration enclosed.

## Pipette Training Sessions



#### **CPD Accredited Pipette Training Sessions**

Our Continuing Professional Development (CPD) accredited courses can be held at your premises or at our laboratory in Milton Keynes. The courses are designed to be interactive and include a hands-on practical to help develop a deeper understanding of pipetting and how technique can effect results.

#### Benefits of attending a course

- ► Courses are held at a convenient time for you, at your own premises. No travelling required!
- ► The courses have been developed by liquid handling specialists who are experts in the field
- ► Gain FOUR credit points towards your Institute of Biomedical Sciences for Continuing Professional Development. Certificates are provided
- ▶ Develop a deeper understanding of pipetting and the confidence that your daily work is providing accurate results

Each course includes in-depth training, course handouts, and a practical pipetting session

#### **INTRODUCTORY LEVEL**

Specifically designed for those involved in everyday pipetting, such as lab techs, PhD students, scientific officers. Min. 4 / Max. 10 people per session:

- ► Fundamentals of dispensing
- ► Pipetting techniques
- ► Forward and reverse pipetting
- Physical influences on dispensed volume

- ▶ Pipette ergonomics and general PhysioCare concepts including RSI
- ▶ Understanding the importance of good pipetting techniques and the effects it can have on assays
- ▶ Practical to support the key learning objectives

#### INTERMEDIATE LEVEL

Ideal for lab technicians, scientific officers and laboratory managers. Min. 4 / Max. 10 people per session:

- ► Review the fundamentals of dispensing
- ► Cleaning and inspection of pipettes
- ► Common pipette fault-finding issues
- ▶ Demonstration of the effects that bad pipetting techniques can have on assays and results
- ▶ Performance / calibration check of a pipette
- ▶ Understanding the equipment needed for accurate calibration checks
- ▶ Understanding the terms 'Accuracy', 'Precision' and 'Uncertainty' to be able to interpret the results of a calibration certificate
- ▶ Practical to support the key learning objectives

#### ADVANCED LEVEL

Designed for lab managers and quality personnel. Min. 2 / Max. 4 people per session:

- ▶ Overview of the fundamentals of dispensing
- ► Why calibrate?
- ▶ What calibration is, and what it is not
- ▶ Performance / calibration check of pipettes
- ► Specifications: Manufacturer's v ISO 8655 v internal SOP's
- ► ISO 17025 UKAS
- ► ISO 15189 Medical Labs (UKAS / CPA)
- ► Calibration traceability
- ► Expressions of uncertainty
- ▶ How STARLAB and the use of our calibration software CaliStar ensures compliance

#### How to book your training session

Price on application. Contact your local STARLAB Account Manager to discuss your requirements and preferred dates for your course. If you do not require one of the CPD accredited courses above, we also run small-group sessions on pipette maintenance and pipetting techniques and ergonomics, or we can tailor a training course to your specific requirements – just give us a call to discuss your requirements.

## Pipette Spares for Gilson® Pipettes



- 1. Friction Ring 2. Piston
- 3. Seal
- 4. O-Ring
- 5. Tip Holder 6. Tip Ejector

Description	Pack Size	Cat. No.	Price
<u> </u>	on Ring		
Friction Ring (Rubber)	1	P1162-0001	£1.50
	tons		
Piston for use with P2	1	P1142-0021	£49.00
Piston for use with P10	1	P1142-0101	£49.00
Piston for use with P20	1	P1142-0201	£49.00
Piston for use with P100	1	P1142-1001	£49.00
Piston for use with P200	1	P1142-2001	£49.00
Piston for use with P1000	1	P1142-1101	£49.00
Se	eals		
Seal for use with P2	1	P1112-0021	£4.90
Seal for use with P10	1	P1112-0101	£4.90
Seal for use with P20	1	P1112-0201	£3.90
Seal for use with P100	1	P1112-1001	£3.90
Seal for use with P200	1	P1112-2001	£3.90
Seal for use with P1000	1	P1112-1101	£3.90
Seal for use with P5000	1	P1112-1501	£3.90
O-F	lings		
O-Ring for use with P2 / P10	1	P1122-0021	£1.50
O-Ring for use with P20	1	P1122-0201	£1.50
O-Ring for use with P100	1	P1122-1001	£1.50
O-Ring for use with P200	1	P1122-2001	£1.50
O-Ring for use with P1000	1	P1122-1101	£1.50
O-Ring for use with P5000	1	P1122-1501	£1.50
Tip H	olders		
Tip Holder for use with P2	1	P1132-0021	£15.00
Tip Holder for use with P10	1	P1132-0101	£15.00
Tip Holder for use with P20	1	P1132-0201	£8.20
Tip Holder for use with P100	1	P1132-1001	£8.20
Tip Holder for use with P200	1	P1132-2001	£8.20
Tip Holder for use with P1000	1	P1132-1101	£9.86
Tip I	jectors		
Tip Ejector (without adapter) for use with P2 / P10	1	P1151-2100	£4.30
Tip Ejector Adapter for use with P2 / P10	1	P1191-0005	£5.30
Tip Ejector for use with P20	1	P1151-0201	£9.40
Tip Ejector for use with P100	1	P1151-1001	£9.40
Tip Ejector for use with P200	1	P1151-2001	£9.40
Tip Ejector for use with P1000	1	P1151-1101	£9.40
F	ilter		
Filter for use with P5ml & P10ml	10	P1191-5000-C	£10.00

See our website for ErgoOne® and ErgoOne® E spare parts



## **Balance** Calibration

STARLAB can come on-site to calibrate laboratory balances in the range of 0.001 mg to 10 kg.

Our traceable calibrations will enable you to:

- ▶ comply with general requirements of ISO17025
- ► comply with ISO15189
- ► comply with ISO13485
- ▶ help ensure compliance with USP chapters on weighing

Calibrations can be performed over the entire range of the balance (max. capacity 10 kg) or to a range specified by you. Each calibration will consist of:

- ▶ a repeatability, accuracy and eccentricity test
- ▶ a calculation of the measurement uncertainty, as standard
- ▶ either a 5 or 10 point check for each range of the balance
- ► Certificate of Calibration for each balance, supplied in pdf format



ORDER INFORMATION						
Description Cat. No Price						
On-Site: 5 Point Balance Check	C0002-0500	£45.00				
On-Site: 10 Point Balance Check	C0002-1000	£55.00				
Calibrations can be performed over the entire range of the balance (max. capacity 10 kg) or to a range specified by you						

## **Traceable** Timer / Stopwatch Calibration



**Need a calibrated Timer?** STARLAB supplies pre-calibrated Four-Channel Timers – see page 156 for ordering information and details.

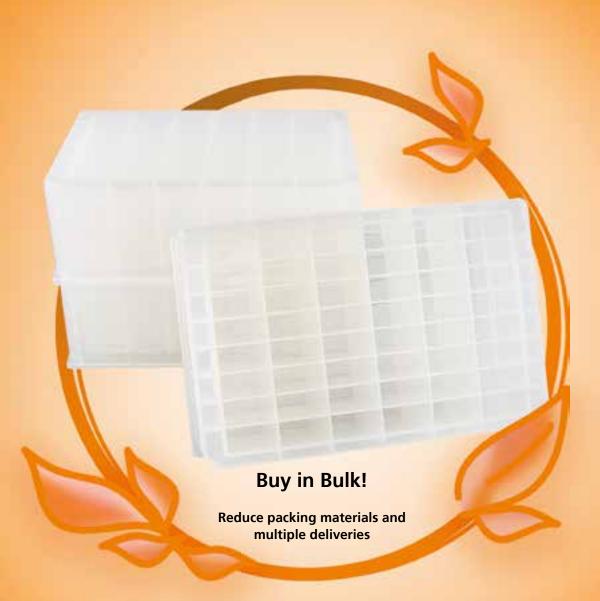
Mail-In! Alternatively, you can mail-in your Timers and Stopwatches to be calibrated to traceable standards that will support your quality and regulatory requirements such as GxP and ISO.

ORDER INFORMATION					
Description Cat. No Price					
Mail-In: Timer / Stopwatch Calibration C0003-0000 £8.00					

#### **COMING SOON!**

### **Traceable Temperature Devices**

The range will include pocket-sized units ideal for routine applications through to high accuracy thermometers for more precise measurement. A traceable calibration certificate can be provided covering the range of -30°C to +140°C.



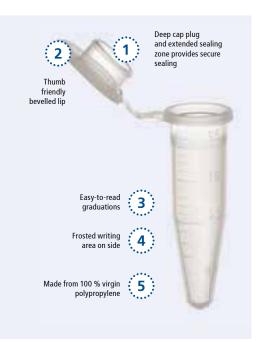
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	u	В	-	•
	$\mathbf{\circ}$	_	_	_

TubeOne® Microcentrifuge Tubes	56
Microcentrifuge Tubes	
Microcentrifuge Tube Accessories	
Preparation Tubes	
Screw Cap Microtubes	
Cryogenic Vials	62
Centrifuge Tubes	
Microtubes in Rack	63 – 64
Tubes & Containers	65-66
DCD CONCURA DUES	
PCR CONSUMABLES	
PCR Tubes	67
PCR Strips	68–71
PCR Discs	71
PCR Plates	72-75
PCR Plate-Sealing Overview	76
PLATES	
PlateOne® Deepwell Plates	77
Deepwell Plates	
PlateOne® Microplates	
Polystyrene Microplates	82

#### PLATE SEALING

PLATE SEALING	
Sealing Accessories	82
Self-Adhesive Plate Seals	83-84
Heat-Sealing Plate Seals	85
PARAFILM	85
AUTOCLAVE TAPE & BAGS	
CUVETTES	86
FILTRATION FUNNELS	87
REAGENT RESERVOIRS	88-89
LOOPS & SPREADERS	89
PASTEUR PIPETTES	
SPATULAS & WEIGH BOATS	
LABELLING	
Cryogenic Labels	92
Laboratory Labels	93
Laboratory ID Tape	94
BMP21 <sup>™-LAB</sup> Label Printer & Labels	
Brady Label Material Specification	96
LabXpert™ Label Cartridges	

## **Microcentrifuge** Tubes



#### TubeOne® microcentrifuge tubes

TubeOne® tubes stay sealed during boiling, freezing or centrifuging, and are still easy to open afterwards! Optically clear without compromising structural integrity, the tubes feature a frosted writing surface.

TubeOne® tubes are made from pure polypropylene and are manufactured with state of the art production equipment housed in a positive pressure HEPA filtered environment. No processing additives such as slip agents, biocides or antistatic agents are used during production. Your samples remain protected from potential bioactive contaminants.

#### **Features**

- Conservatively rated to 20,000 x g, but will perform to higher specification under optimal conditions
- Supplied in resealable bags
- Save on autoclaving with the convenient mini-packs
- Temperature range: -80°C to 121°C
- Autoclavable
- Certified RNase, DNAse, DNA and Pyrogen free











Did you know? 100 TubeOne® tubes fit nicely into a Large TipOne® rack for safe storage or for autoclaving. Or save on autoclaving costs by buying the convenient mini-packs!

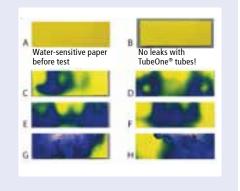
ORDER INFORMATION						
Description	Colour	Pack Size	Cat. No.	Price		
0.5 ml TubeOne® Microcentrifuge Tube	Natural	5 x 200	S1605-0000	£25.28		
0.5 ml TubeOne® Microcentrifuge Tube	Natural	30 x 5x200	S1605-0000-C	£758.40		
0.5 ml TubeOne® Microcentrifuge Tube	Mixed <sup>1)</sup>	5 x 200	S1605-0099	£27.92		
1.5 ml TubeOne® Microcentrifuge Tube	Natural	500	S1615-5500	£12.64		
1.5 ml TubeOne® Microcentrifuge Tube	Natural	36 x 500	S1615-5500-C	£455.04		
1.5 ml TubeOne® Microcentrifuge Tube	Natural	5 x 100	S1615-5550	£13.95		
1.5 ml TubeOne® Microcentrifuge Tube (Sterile)	Natural	5 x 100	S1615-5510	£20.27		
1.5 ml TubeOne® Microcentrifuge Tube	Mixed <sup>1)</sup>	5 x 100	S1615-5599	£13.95		
2.0 ml TubeOne® Microcentrifuge Tube	Natural	500	S1620-2700	£25.05		
2.0 ml TubeOne® Microcentrifuge Tube	Natural	30 x 500	S1620-2700-C	£765.00		
2.0 ml TubeOne® Microcentrifuge Tube	Mixed <sup>1)</sup>	5 x 100	S1620-2799	£27.15		

<sup>1)</sup>Mixed packs contain following colour tubes: blue, green, red, violet and yellow. All products listed are available by the case. For more info please visit our website and refer to part numbers ending -C.

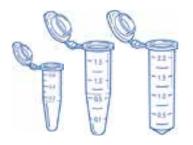
#### Microcentrifuge tube leak test

Does your tube maintain a seal while heating? Although a tube may remain closed, evaporation can occur when a seal is incomplete. TubeOne® passes the test with no leaks!

Water-sensitive paper has a special-coated yellow surface that turns blue when exposed to moisture. This indicating paper (A) was placed across the top of TubeOne® (B) and other brands of tube (C-H), all containing 1.0 ml of 50 % ethanol and incubated at 95°C for 15 minutes in a dry bath with a tightly closed lid. Tubes C-H showed varying levels of failure.







#### **Crystal Clear microcentrifuge tubes**

Polypropylene tubes for the ultimate in sample visibility. Ultra smooth tube bottoms for 100% visibility. Thin cap membrane for easy sample access with a syringe needle. Frosted writing surface. Rated at 14,000–20,000 x g. Temp. range: -80°C to 121°C. Autoclavable. Certified RNase, DNase and Pyrogen free.

ORDER INFORMATION					
Description	Colour	Pack Size	Cat. No.	Price	
0.6 ml Crystal Clear Microcentriruge Tube	Natural	2 x 500	E1405-0600	£26.29	
0.6 ml Crystal Clear Microcentriruge Tube (Sterile)	Natural	5 x 100	E1405-0610	£17.45	
1.5 ml Crystal Clear Microcentriruge Tube	Natural	500	E1415-1500	£13.41	
1.5 ml Crystal Clear Microcentriruge Tube (Sterile)	Natural	5 x 50	E1415-1510	£10.75	
2.0 ml Crystal Clear Microcentriruge Tube	Natural	500	E1420-2000	£14.51	
2.0 ml Crystal Clear Microcentriruge Tube (Sterile)	Natural	5 x 50	E1420-2010	£11.90	
NOTE: Due to the sterilisation process, sterile tubes are not quite as clear as the non-sterile tubes.					



#### **Product features**

- ► Solidly constructed for high speed centrifugation to max. 35,000 xg (tubes not routinely tested at this force
- ► Firm and positive cap closure
- ► Suitable for boiling
- ► Autoclavable
- ► Certified RNase, DNase, DNA and PCR Inhibitor free.



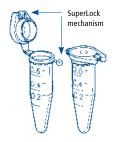
#### Ultra clear, High speed tubes

Ultra clear, polypropylene tubes with smaller lid footprint for better fit inside sample storage boxes. Available in a range of colours as well as natural, including amber tubes for light sensitive samples. Capless tubes for convenient collection of fractions or mix reagents. Rated to over 20,000 x g. Temperature range: -90°C to 121°C.

ORDER INFORMATION					
Description	Colour <sup>1)</sup>	Pack Size	Cat. No.	Price	
	0.5 ml Tubes				
0.5 ml Homopolymer Microcentrifuge Tube	Natural	1000	11405-1500	£26.26	
0.5 ml Homopolymer Microcentrifuge Tube	Various <sup>1)</sup>	1000	11405-150#	£26.26	
0.5 ml Homopolymer Microcentrifuge Tube	Mixed	1000	11405-1508	£26.26	
0.5 ml Homopolymer Microcentrifuge Tube (Sterile)	Natural	500	E1405-0010	£16.60	
	1.5 ml Tubes				
1.5 ml Homopolymer Microcentrifuge Tube	Natural	500	11415-1000	£13.16	
1.5 ml Homopolymer Microcentrifuge Tube	Various <sup>1)</sup>	500	11415-100#	£14.51	
1.5 ml Homopolymer Microcentrifuge Tube	Mixed	500	11415-1008	£14.51	
1.5 ml Homopolymer Microcentrifuge Tube, No Cap	Natural	500	E1415-2850	£11.78	
1.5 ml Homopolymer Microcentrifgue Tube (Sterile)	Natural	250	E1415-5510	£10.71	
:	2.0 ml Tubes				
2.0 ml Homopolymer Microcentrifuge Tube	Natural	500	11420-2700	£14.51	
2.0 ml Homopolymer Microcentrifuge Tube	Various <sup>1)</sup>	500	11420-270#	£15.55	
2.0 ml Homopolymer Microcentrifuge Tube	Mixed	500	11420-2799	£15.55	
2.0 ml Homopolymer Microcentrifuge Tube, no Cap	Natural	500	E1420-2850	£14.88	
To order colour required, replace # as last digit of Cat. No 6 for yellow, 7 for amber. Mixed packs contain all colours.		2 for green, 3 for o	range, 4 for red, 5	for violet,	

www.starlab.click/microcentrifugetubes

## **Microcentrifuge** Tubes



#### Super safe, SuperLock tubes

Polypropylene microcentrifuge tubes with a locking mechnism for high security. Frosted writing area on the side. Pierceable cap. Rated at 17,000 x g. Temp. range: -80°C to 121°C. Autoclavable. Certified RNase and DNase free.

ORDER INFORMATION				
Description	Colour	Pack Size	Cat. No.	Price
0.5 ml SuperLock Microcentrifuge Tube	Natural	1000	E1405-5100	£33.40
1.5 ml SuperLock Microcentrifuge Tube	Natural	500	11415-5100	£15.90
2.0 ml SuperLock Microcentrifuge Tube	Natural	500	E1420-5100	£19.92
2.0 ml SuperLock Microcentrifuge Tube	Mixed <sup>1)</sup>	5 x 100	E1420-5108	£19.92
<sup>1)</sup> Mixed packs contain following colour tubes: blue, green, orange, pink, violet and yellow.				



#### Ultra high recovery tubes

Convenient for RNA or DNA pelleting or protein handling which often requires a low-adhesion surface, these ultra high recovery polypropylene tubes are completely non-reactive. Rated to over 20,000 x g. Temp. range: -80 °C to 121 °C. Autoclavable. Certified RNase, DNase, DNA and PCR Inhibitor free.

ORDER INFORMATION					
Description	Colour	Pack Size	Cat. No.	Price	
0.5 ml Ultra High Recovery Microcentrifuge Tube	Natural	500	E1405-2600	£14.87	
1.5 ml Ultra High Recovery Microcentrifuge Tube	Natural	250	E1415-2600	£11.95	
2.0 ml Ultra High Recovery Microcentrifuge Tube	Natural	250	I1420-2600	£14.88	



#### Individually-wrapped, sterile microcentrifuge tubes

Sterile and certified free of RNase, DNase, DNA, Pyrogen, Endotoxin, ATP, Bioburden and PCR Inhibitors.

ORDER INFORMATION					
Description Pack Size Cat. No. Price					
0.6 ml Microcentrifuge Tube (Sterile), Individually-Wrapped	500	I1405-0510	£42.43		
1.5 ml Microcentrifuge Tube (Sterile), Individually-Wrapped	250	11415-5510	£23.34		



#### High speed, easy close tubes

Polypropylene tubes with medium sized lid footprint. Available in a range of colours as well as natural, including amber tubes for light sensitive samples. Rated to over 20,000 x g. Easier tube closing/opening with no distinct snap on closing. Temperature range: -80°C to 121°C.

ORDER INFORMATION							
Description	Colour <sup>1)</sup>	Pack Size	Cat. No.	Price			
1.5 ml Copolymer Microcentrifuge Tube	Natural	500	11415-2500	£15.60			
1.5 ml Copolymer Microcentrifuge Tube	Various <sup>1)</sup>	500	11415-250#	£16.12			
1.5 ml Copolymer Microcentrifuge Tube	Mixed	500	11415-2508	£16.12			

<sup>1)</sup>To order colour required, replace # as last digit of Cat. No. with: 1 for blue, 2 for green, 3 for orange, 4 for red, 5 for violet, 6 for yellow, 7 for amber. Mixed packs contain all colours.

## Microcentrifuge Tube Accessories

ORDER INFORMATION								
		For Use with	Pack Size	Cat. No.	Price			
7	Cap Locks: Reusable cap locks to securely seal tubes for rigorous boiling/freezing. Assorted colours to aid sample	0.5 ml Tubes	100	E1405-9000	£23.7			
	identification. Compatible with most microcentrifgue tubes.	1.5/2.0 ml Tubes	100	11415-1508	£17.93			
PL	<b>Tube Openers:</b> For use with all 0.5 ml to 2.0 ml microcentrifuge tubes. Also aids in the safe opening of glass ampules.	0.5 ml to 2.0 ml Tubes	100	I1400-1008	£31.2			
1	Microtube Pestle: Disposable polypropylene pestles. Ideal for homogenising cells or resuspending DNA or protein pellets.	0.5 ml Tubes	10	11405-4390	£8.37			
1	Certifed RNase, DNase and DNA free.	1.5/2.0 ml Tubes	10	I1415-5390	£8,37			



## **Preparation** Tubes



Made from virgin polypropylene, the tubes are graduated at 1.0 ml intervals and have a frosted writing area on the cap and side of tube.

- ▶ Ideal for biological or chemical solution preparation
- ► Suitable for microbial incubation and pellet preparation
- ▶ Black tube for light sensitive reactions
- ► Temperature use: -80°C to 121°C
- Autoclavable
- Centrifugation rate: 6000 x g
- ► Certified RNase, DNase, human DNA and Pyrogen free<sup>1)</sup>



ORDER INFORMATION						
Description	Colour	Pack Size	Cat. No.	Price		
	Conica	al Tubes				
5.0 ml Preparation Tube, Conical	Natural	200	E1450-1100	£31.20		
5.0 ml Preparation Tube, Conical	Blue	200	E1450-1101	£34.69		
5.0 ml Preparation Tube, Conical	Green	200	E1450-1102	£34.69		
5.0 ml Preparation Tube, Conical	Red	200	E1450-1104	£34.69		
5.0 ml Preparation Tube, Conical	Yellow	200	E1450-1106	£34.69		
5.0 ml Preparation Tube, Conical	Black	200	E1450-1108	£34.69		
	Skirte	ed Tube				
5.0 ml Preparation Tube, Skirted	Natural	250	E1450-1000 <sup>1)</sup>	£39.56		

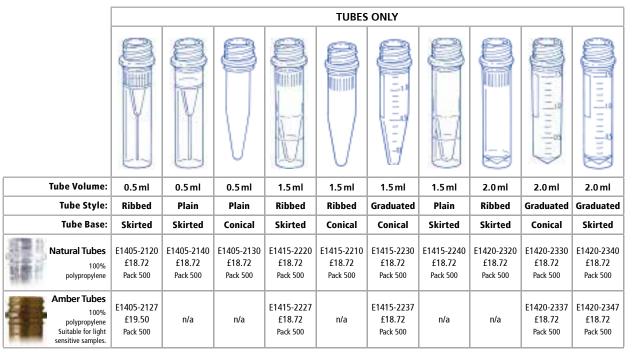
www.starlab.click/preparationtubes

## **Screw** Cap Microtubes

#### Mix and match - tubes and caps!

- Suitable for many applications from sample storage in the gas phase of liquid nitrogen to freezer, through boiling to autoclave
- ► Routinely tested to 20,000 x g
- ► All tubes and caps are autoclavable
- Certified RNase, DNase, DNA and PCR Inhibitor free
- ► Endotoxin-free

#### 1. CHOOSE THE STYLE OF TUBE



#### 2. CHOOSE THE STYLE/COLOUR OF CAP

	EASYGRIP CAPS ONLY									
		0	0	0	0		0		000	
Colour:	Natural/ White	White/Blue	White/Green	White/Orange	White/Red	White/Violet	White/Yellow	White/White	Mixed	
Pasy Grip Caps Opaque white <sup>10</sup> polypropylene cap with a coloured seal/grip made from inert TPE. One-piece construction ensures a leak-free seal that will never fall out!	E1480-0300 £36.83 Pack 500	E1480-0301 £36.83 Pack 500	E1480-0302 £36.83 Pack 500	E1480-0303 £36.83 Pack 500	E1480-0304 £36.83 Pack 500	E1480-0305 £36.83 Pack 500	E1480-0306 £36.83 Pack 500	E1480-0309 £36.83 Pack 500	E1480-0399 £36.83 Pack 500	

		STANDARD & TETHERED CAPS ONLY									
Colour:	Natural	Blue	Green	Orange	Red	Violet	Yellow	Amber	Black	White	Mixed
Standard Caps Polypropylene cap with separate, ethylene-propylene o-ring to form a seal against rim of tube.	E1480-0100 £39.19 Pack 500	E1480-0101 £39.19 Pack 500	E1480-0102 £39.19 Pack 500	E1480-0103 £39.19 Pack 500	E1480-0104 £39.19 Pack 500	E1480-0105 £39.19 Pack 500	E1480-0106 £39.19 Pack 500	E1480-0107 £39.19 Pack 500	E1480-0108 £39.19 Pack 500	E1480-0109 £37.04 Pack 500	E1480-0199 £39.19 Pack 500
Tethered Caps Polypropylene cap with separate, ethylene-propylene o-ring to form a seal against rim of tube.	E1480-0200 £39.19 Pack 500	E1480-0201 £41.30 Pack 500	E1480-0202 £41.30 Pack 500	E1480-0203 £41.30 Pack 500	E1480-0204 £41.30 Pack 500	E1480-0205 £41.30 Pack 500	E1480-0206 £41.30 Pack 500	E1480-0207 £41.30 Pack 500	E1480-0208 £41.30 Pack 500	E1480-0209 £41.30 Pack 500	E1480-0299 £41.30 Pack 500

## **Screw** Cap Microtubes (Sterile)



Sterile product is supplied in convenient, resealable mini pouches

# **READY-ASSEMBLED TUBES & CAPS (STERILE)**

Tube Volume:	0.5 ml	1.5 ml	1.5 ml	2.0 ml	2.0 ml
Tube Style:	Plain	Graduated	Plain	Graduated	Graduated
Tube Base:	Skirted	Conical	Skirted	Conical	Skirted
with Natural Standard Caps (Sterile)  Ready-assembled tubes and natural standard caps with o-ring seal.	E1405-2141	E1415-2231	E1415-2241	E1420-2331	E1420-2341
	£39.44	£39.44	£39.44	£39.44	£39.44
	Pack 5 x 50				
with Natural Tethered Caps (Sterile) Ready-assembled tubes and natural tethered caps wtih o-ring seal.	E1405-2142	E1415-2232	E1415-2242	E1420-2332	E1420-2342
	£48.61	£48.61	£48.61	£48.61	£48.61
	Pack 5 x 50				
with Natural/White EasyGrip Caps (Sterile)  Ready-assembled tubes and natural EasyGrip Caps with white integral grip/seal.	E1405-2143	E1415-2233	E1415-2243	E1420-2333	E1420-2343
	£38.44	£38.44	£38.44	£38.44	£38.44
	Pack 5 x 50				
with White/Colour EasyGrip Caps (Sterile) <sup>1)</sup> Ready-assembled tubes and opaque white EasyGrip Caps with coloured, integral grip/seal.	E1405-030#	E1415-030#	E1415-031#	E1420-030#	E1420-031#
	£38.44	£38.44	£38.44	£46.80	£38.44
	Pack 5 x 50				

#### Assembled sterile tubes & caps

- ► Sterile, ready-assembled tube and cap packs
- ► Supplied in convenient, resealable mini pouches which stand up on your bench
- ► Suitable for many applications from sample storage in the gas phase of liquid nitrogen through freezer to boiling
- ► Routinely tested to 20,000 x g
- Certified RNase, DNase, DNA, PCR Inhibitor and endotoxin free



## **High** Impact Screw Cap Microtubes



1)To order colour of grip/seal required.

#### High impact tube specially formulated for bead-beating applications

Shatter resistant, semi-opaque polypropylene tube with natural, polypropylene screw cap with ethylene-polypropylene o-ring inside.

Supplied ready assembled.

- ► Temperature use: -80 °C to 121 °C
- ► Autoclavable
- ► Routinely tested to 15,000 x g
- ► Certified RNase, DNase, DNA and PCR Inhibitor free
- ► Endotoxin-free

ORDER INFORMATION						
Description	Pack Size	Cat. No.	Price			
2.0 ml Graduated, High Impact Screw Cap Microtube	200	E1420-2641	£69.68			

## **Cryogenic** Vials

Cryogenic Vials for the storage and ORDER INFORMATION transportation of biological material. ► Made from 100 % polypropylene ► For storage down to -196 °C; should only be used in the gas phase of liquid nitrogen ► Internal threaded vials with a silicone seal in cap for the highest possible impermeability ► Skirted vials lock into racks for easy single-handed work ► White writing area and highlyvisible black graduations at 100 µl increments ► Sterile and certified RNase, DNase, DNA, PCR Inhibitor and Endotoxin free **Tube Volume** 1.0 ml 1.8 ml 1.8 ml 3.6 ml 3.6 ml 4.5 ml 4.5 ml **Tube Style** Skirted Conical Skirted Conical Skirted Conical Skirted E3090-6212 E3090-6321 E3090-6222 E3090-6242 £112.72 £112.72 £112.72 £81.41 **External Threaded Tube** Pack Size: Pack Size: n/a n/a n/a Pack Size: Pack Size: Self-Sealing Cap, Sterile 10 x 50 10 x 50 10 x 50 6 x 50 Height: 41 mm Height: 43 mm Height: 48 mm Height: 91 mm E3110-6142 E3110-6112 E3110-6121 E3110-6122 E3110-6131 E3110-6132 E3110-6141 £131.51 f137.77 £131.51 f112.72 f112.72 f112.72 f112.72 Internal Threaded Tube

> Supplied in convenient, resealable, self-standing pouches

Pack Size:

6 x 50

Height: 90 mm



Pack Size:

6 x 50

Height: 91 mm

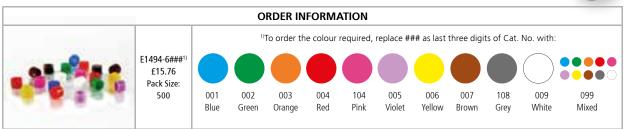
The caps of the cryogenic vials can be colour coded with coloured cap inserts.

Silicone Seal in Cap, Sterile

Pack Size:

10 x 50

Height: 42 mm



Pack Size:

10 x 50

Height: 46 mm

Pack Size:

10 x 50

Height: 49 mm

Pack Size:

8 x 50

Height: 70 mm

Pack Size:

8 x 50

Height: 71 mm

ORDER INFORMATION								
Description Pack Size Cat. No. Pr								
Stora	ge Canes							
Storage Canes for 5 x 1.2/2.0 ml Cryogenic Vials	12	E2005-5000	£11.90					
Cryogenic Labels fo	or use down to -19	6°C						
9.5 mm Cryogenic Spot Labels, Mixed	5000 Labels / Roll	E9189-0099	£53.14					
StarTag Cryo (38 x 15 mm), White	1000 Labels / Roll	E9189-3009	£29.55					
See page 92 for information on the cryogenic labels.								



## **Centrifuge** Tubes



#### Don't get in a spin! Use STARLAB centrifuge tubes!

- ► Clear, polypropylene tubes with blue HDPE screw caps
- Clear, printed graduations
- White writing surface
- Sterile

► Centrifugation rates (swing bucket / fixed angle rotors): 4000 / 15,000 x g (15 ml) 3200 / 9500 x g (50 ml) 2800 / 11,500 x g (50 ml skirted)

Certified RNase, DNAse, DNA and pyrogen free

ORDER INFORMATION							
Description	Pack Size	Cat. No.	Price				
15 ml Centrifuge Tubes							
15 ml Centrifuge Tube, Conical, Loose (Sterile)	10 x 50-Tube Bags	E1415-0200	£105.15				
15 ml Centrifuge Tube, Conical, Racked (Sterile)	10 x 50-Tube Racks	E1415-0800	£111.73				
50 ml Cent	rifuge Tubes						
50 ml Centrifuge Tube, Conical, Loose (Sterile)	10 x 50-Tube Bags	E1450-0200	£105.15				
50 ml Centrifuge Tube, Conical, Racked (Sterile)	20 x 25-Tube Racks	E1450-0800	£111.73				
50 ml Centrifuge Tube, Skirted, Loose (Sterile)	10 x 50-Tube Bags	E1450-0500	£105.15				
Dimensions inc. cap (HxØ): 15 ml: 120.5 x 22 mm. 50 ml: 115.5	x 34.9 mm. 50 ml skirted: 116	.5 x 34.9 mm.					



( www.starlab.click/centrifugetubes

## Microtubes in Rack



#### Organised storage

- ► SBS footprint and compatible with all robotic applications and multi-channel pipetting
- ► Ideal for serial dilutions, mixing, storage and harvesting of cells, cell growth assays, DNA screening and long-term storage
- ► Clear printed matrix on rack
- ► Transparent lid
- ► Temperature use -80 °C to 121 °C
- ► Certified RNase, DNase, DNA and Pyrogen free

ORDER INFORMATION						
Description	Pack Size	Cat. No.	Price			
Racks / Individu	ual Tubes					
1.2 ml Reaction Tubes in Rack (96 Individual Tubes)	10	E1750-0400	£34.51			
1.2 ml Reaction Tubes in Rack (96 Individual Tubes) (Sterile)	10	E1750-0410	£37.56			
1.2 ml Individual Reaction Tubes	1000	E1710-0000	£21.09			
Racks / 8-Stri	p Tubes					
1.2 ml Reaction Tubes in Rack (12 x 8-Strip Tubes)	10	E1760-8400	£34.51			
1.2 ml Reaction Tubes in Rack (12 x 8-Strip Tubes) (Sterile)	10	E1760-8410	£38.67			
1.2 ml 8-Strip Reaction Tubes	125	E1720-8000	£21.09			
Racks / 12-Stri	ip Tubes					
1.2 ml Reaction Tubes in Rack (8 x 12-Strip Tubes)	10	E1770-9400	£34.51			
1.2 ml Reaction Tubes in Rack (8 x 12-Strip Tubes) (Sterile)	10	E1770-9410	£38.67			
1.2 ml 12-Strip Reaction Tubes	80	E1730-9000	£21.09			
Strip Ca	ps					
8-Strip Caps for 1.2 ml Reaction Tubes	125	E1702-8400	£14.46			
8-Strip Caps for 1.2 ml eaction Tubes (Sterile)	125	E1702-8410	£17.32			
12-Strip Caps for 1.2 ml Reaction Tubes	80	E1703-9400	£14.46			
12-Strip Caps for1.2 ml Reaction Tubes (Sterile)	80	E1703-9410	£17.32			
<b>NOTE:</b> PP tubes and racks are autoclavable. PE strip caps can not b Rack dimensions (WxDxH): 128 x 85.5 x 47.25 mm (with lid).	e autoclaved.					



## Microtubes in Rack

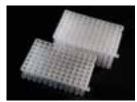


Alpha-numeric coded tube	S
in rack	

- ► Refillable! Tube refills are supplied in a frame ready to load into racks
- ► The tube frame prevents tubes falling out of rack or the codes getting out of sequence
- ► SBS footprint compatible with all robotics applications
- ► Alpha-numeric codes printed on bottom of each tube
- ► Ideal for archiving samples
- ► Suitable for stackable systems
- ► Lockable, clear lid
- ► Temperature use -80 °C to 121 °C

ORDER INFORMATION						
Description	Pack Size	Cat. No.	Price			
0.65	ml Tubes					
Tube Rack with Lid, Pre-Filled with 96 x 0.65 ml Alpha-Numeric Coded Tubes	10 Racks	E1780-3100	£96.62			
Tube Rack Refill Frame, Loaded with 96 x 0.65 ml Alpha-Numeric Coded Tubes	10 Refills	E1780-3700	£57.94			
1.2 n	nl Tubes					
Tube Rack with Lid, Pre-Filled with 96 x 1.2 ml Alpha-Numeric Coded Tubes	10 Racks	E1780-2100	£96.62			
Tube Rack Refill Frame, Loaded with 96 x 1.2 ml Alpha-Numeric Coded Tubes	10 Refills	E1780-2700	£57.94			
Sealin	g Options					
8-Strip Caps for 0.65 ml or 1.2 ml Tubes	1000/Bag	E1780-8400	£193.22			
Piercable Cap Mat for 0.65 ml or 1.2 ml Tubes	10 Mats	E1780-8500	£24.22			

NOTE: PP tubes and racks are autoclavable. Strip caps and cap mat are not autoclavable. 0.65 ml Rack dimensions, incl. lid:  $127 \times 85 \times 50 \, \text{mm}$ 1.2 ml Rack dimensions, incl. lid:  $127 \times 85 \times 50 \, \text{mm}$ .







Piercable cap mat



WIED ALPHA-NO



Non-sterile product certified RNase and DNase free Sterile product certified RNase, DNase, DNA and Pyrogen free

#### Microtubes in rack with removable base

A heavy duty rack with the same footprint as a standard plate, containing 96 individual 1.2 ml tubes. Each tube is fully supported at the base to withstand the pressures applied by robotic systems. The base of the rack can be easily removed for waterbath applications. Moulded reference grid on lid. Suitable for use down to -80°C.

ORDER INFORMATION				
Description	Pack Size	Cat. No.	Price	
1.2 ml Microtubes in Rack	10	11412-7400	£38.02	
1.2 ml Microtubes in Rack (Sterile)	10	11412-7410	£42.84	
8-Strip Caps for 1.2 ml Microtubes	120	11494-1400	£18.25	
8-Strip Caps for 1.2 ml Microtubes (Sterile)	120	11494-1410	£22.75	

NOTE: PP tubes and racks are autoclavable. PE strip caps can not be autoclaved. Rack dimensions, incl. lid (WxDxH): 85 x 127 x 41 mm.

## **Tubes** & Containers



Polypropylene or polystyrene tubes graduated at 1.0 ml, 2.5 ml and 4.0 ml. Leakproof push-on polyethylene (PE) cap with a ribbed plug to clamp firmly on the tube. Centrifugation rates: 15,000 x g (PP), 7000 x g (PS). Temperature use PP tubes<sup>1)</sup> with cap: -50°C to 80° C / PS tubes with cap: -10°C to 70°C.

Pack Size	Cat. No.	Price
2 x 1000	E1412-6201	£39.44
2 x 1000	E1412-6200	£41.40
2000	E1412-6300	£41.00
	2 x 1000 2 x 1000	2 x 1000 E1412-6201 2 x 1000 E1412-6200



HDPE vials with leak-proof screw cap. Compatible with all liquid scintillation counters. Also suitable for use on the 930-FRAC collection unit of the AKTA® Protein Purification System. Heavy wall minimises solvent loss. Temperature use: -50°C to 80°C.

ORDER INFORMATION				
Description	Pack Size	Cat. No.	Price	
4.0 ml Scintillation Vial Insert Tube with Screw Cap	1000	E1412-7000	£82.21	
Dimensions (HxØ) incl. cap: 53.6 x 13.7 mm.				



Ultra clear, sterile polystyrene bijou containers with white polypropylene screw caps. Centrifugation rate 7200 x g. Temperature use: -10°C to 70°C.

ORDER INFORMATION				
Description	Pack Size	Cat. No.	Price	
7.0 ml Polystyrene Bijou Container, without Label (Sterile)	700	E1412-0710	£114.08	
7.0 ml Polystyrene Bijou Container, with Label (Sterile)	700	E1412-0711	£116.01	
Dimensions (HxØ) incl. cap: 50 x 23 mm.				



Aseptically produced crystal clear polystyrene tube with green HDPE screw cap. Thin-wall tube is easy to pierce with a needle. Centrifugation rate: 7,000 x g. Temperature use: -10°C to 70°C.

ORDER INFORMATION					
Description	Pack Size	Cat. No.	Price		
12 ml Polystyrene Screw Cap Tube, Skirted (Sterile¹)	250	E1412-1200	£49.28		
Dimensions (HxØ) incl. cap: 105 x 21 mm. 'Aseptically produced in a fully-automated and bio-controlled environment.					

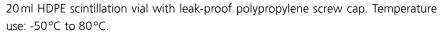


Polypropylene (PP) or polystyrene (PS) sterile tube. White writing area. Graduations marked at 0.25 ml increments. The dual position polyethylene caps can be left loose for aerobic work or sealed for anaerobic culture. Centrifugation rates: 3000 x g (PP), 1400 x g (PS). Temperature use: -190  $^{\circ}$ C to 120  $^{\circ}$ C (PP) / -10  $^{\circ}$ C to 70  $^{\circ}$ C (PS).

ORDER INFORMATION					
Description	Pack Size	Cat. No.	Price		
14 ml Polypropylene Culture Tube with Cap (Sterile)	20 x 25-Tube Bags	I1485-0810	£119.00		
14 ml Polystyrene Culture Tube with Cap (Sterile)	20 x 25-Tube Bags	11485-2810	£119.00		
Dimensions (HxØ) incl. cap: 95 x 23 mm. PP tubes are autoclavab	le only without the cap.				

## **Tubes** & Containers





ORDER INFORMATION				
Description	Pack Size	Cat. No.	Price	
20 ml Plastic Scintillation Vial	1000	E1412-7100	£171.59	
Dimensions (HxØ) incl. cap: 58 x 26 mm.				



30 ml polypropylene (PP) or polystyrene (PS) containers with white, polypropylene cap. Aseptically produced. Available with or without labels. Centrifugation rates: 3000 x g (PP) / 1600 x g (PS). Temperature use: -80 °C to 121 °C (PP) / -10 °C to 70 °C (PS). PP containers (without cap) are autoclavable.





60 ml crystal clear polystyrene container with red polyethylene screw cap. Aseptically produced. Temperature use: -10°C to 70°C.



ORDER INFORMATION				
Description	Pack Size	Cat. No.	Price	
60 ml Polystyrene Container, Red Screw Cap (Sterile <sup>1</sup> )	600	E1412-6004	£106.10	
Dimensions (HxØ) incl. cap: 66 x 44.5 mm. 'Aseptically produced in a fully-automated and bio-controlled environment.				



125 ml polypropylene container with red polyethylene screw cap. 20 ml graduations marked up to 100 ml. Frosted writing panel. Aseptically produced. Temperature use: -10°C to 70°C.

ORDER INFORMATION				
Description	Pack Size	Cat. No.	Price	
125 ml Polypropylene Graduated Container, Red Cap (Sterile¹)	475	E1412-6104	£77.80	
Dimensions (HxØ) incl. cap: 75 x 62 mm. ¹Aseptically produced in a fully-a	utomated and bio-co	ntrolled environment.		



Sterile, 60 ml crystal clear polystyrene container with printed patient label. Aseptically produced crystal clear 100 ml, 150 ml or 250 ml polystyrene containers. All containers have aluminium screw caps. Temperature use: -10°C to 70°C.

ORDER INFORMATION				
Description	Pack Size	Cat. No.	Price	
60 ml Polystyrene Container, Metal Cap, Printed Label (Ste	rile) 300	E1412-6000	£83.42	
100 ml Polystyrene Container, Metal Cap (Sterile¹)	160	E1412-1000	£73.47	
150 ml Polystyrene Container, Metal Cap (Sterile¹)	120	E1412-1500	£82.50	
250 ml Polystyrene Container, Metal Cap (Sterile¹)	48	E1412-2500	£50.53	
250 ml Polystyrene Container, Metal Cap (Sterile¹)  Dimensions (HxØ) incl. cap: 60 ml: 60 x 45 mm. 100 ml: 75 x 45 n	nm. 150 ml: 108 x 55 mm. 2			

## **PCR** Tubes

#### Single tubes

- ▶ 0.2 ml and 0.5 ml tubes for PCR made from medical grade polypropylene
- ► Available in natural, or in mixed packs of blue, green, red, violet and yellow
- ▶ 0.2 ml tube with 'Xtra-Clear' flat cap for qPCR
- ► Positive click on closing gives assurance tubes are fully closed
- ► Compatible with most thermal
- ► Supplied in resealable bags
- ► Certified RNase, DNase, DNA & PCR Inhibitor free
- ► Endotoxin-free



ORDER INFORMATION					
Description	Colour	Pack Size	Cat. No.	Price	
	Domed Cap	s			
0.2 ml PCR Tube, Domed Cap	Natural	1000	11402-4300	£42.88	
0.2 ml PCR Tube, Domed Cap	Mixed <sup>1)</sup>	5 x 200	I1402-4308	£42.88	
	Flat Caps				
0.2 ml PCR Tube, Flat Cap	Natural	1000	I1402-8100 <b>(</b>	£42.88	
0.2 ml PCR Tube, Flat Cap	Mixed <sup>1)</sup>	5 x 200	11402-8108	£42.88	
0.2 ml PCR Tube, Flat Cap (X-Clear) for qPCR	Natural	1000	I1402-8200	£42.88	
<sup>1)</sup> Mixed packs contain: blue, green, red, violet, yellow.					

ORDER INFORMATION					
Description Colour Pack Size Cat. No. Price					
Domed Caps					
0.2 ml PCR Tube, Domed Shielded Cap	Natural	1000	S1602-4300	£50.73	

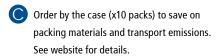






ORDER INFORMATION						
Description	Colour	Pack Size	Cat. No.	Price		
Domed Caps						
0.5 ml PCR Tube, Domed Cap	Natural	1000	11405-8200	£30.87		
Flat Caps						
0.5 ml PCR Tube, Flat Cap	Natural	1000	11405-8100	£30.87		
0.5 ml PCR Tube, Flat Cap	Mixed <sup>1)</sup>	5 x 200	I1405-8108 C	£33.52		
<sup>1)</sup> Mixed pack contains: blue, green, red, viole	t, yellow.	-				







## **PCR** Strips

#### Strip tubes and strip caps

- ▶ 8- and 12- tube and cap strips, available either separately or together in combo packs
- ► Cuttable! Tube strips can easily be cut or snapped into smaller strips
- ► Available in natural, or in mixed packs of blue, green, red, violet and yellow
- ► Opaque white 8-strip tubes for qPCR
- ► 'Xtra-Clear' flat cap strips for qPCR
- ► Supplied in resealable bags
- ► Certified RNase, DNase, DNA & PCR Inhibitor free
- Endotoxin-free



ORDER INFORMATION						
Description	Colour	Pack Size	Cat. No	Price		
Strip Tubes only						
0.1 ml 8-Strip PCR Tubes, Low-Profile	Natural	125	11402-3600	£80.44		
0.1 ml 8-Strip PCR Tubes, Low-Profile	White	125	11402-3609	£80.44		
0.2 ml 8-Strip PCR Tubes	Natural	125	I 1402-3500	£80.44		
0.2 ml 8-Strip PCR Tubes	Mixed*	5 x 25	I 1402-3508	£80.44		
0.2 ml 8-Strip PCR Tubes	White	125	I 1402-3509	£80.44		
Strip Caps only						
8-Strip PCR Caps, Domed	Natural	125	11400-0800	£14.80		
8-Strip PCR Caps, Domed	Mixed*	5 x 25	I1400-0808	£14.80		
8-Strip PCR Caps, Flat (Xtra-Clear)	Natural	125	11400-0900	£14.80		
Strip Tul	oe & Cap Con	bo Packs				
0.1 ml 8-Strip PCR Tubes, Low-Profile, and 8-Strip PCR Caps, Flat (X-Clear)	Natural	125	I1402-4700	£96.37		
0.1 ml 8-Strip White PCR Tubes, Low-Profile, and 8-Strip PCR Caps, Flat (X-Clear)	White / Natural	125	I1409-4700	£96.37		
0.2 ml 8-Strip PCR Tubes and 8-Strip PCR Caps, Domed	Natural	125	11402-6700	£96.37		
0.2 ml 8-Strip PCR Tubes and 8-Strip PCR Caps, Flat (X-Clear)	Natural	125	11402-5700	£96.37		
0.2 ml 8-Strip White PCR Tubes, and 8-Strip PCR Caps, Flat (X-Clear)	White / Natural	125	I1409-5700	£96.37		
* Mixed packs contain: blue, green, red, violet and yellow.						

NOTE: Tube and cap strips of the Combo Packs are supplied non-assembled in separate bags.



#### Low-Profile Strips (0.1 ml):

16.0 mm high, for use in cyclers with low-profile capability only.

#### Standard Strips (0.2 ml):

20.8 mm high, for use in the majority of cyclers.



Order by the case (x10 packs) to save on packing materials and transport emissions. See website for details.

ORDER INFORMATION					
Description	Colour	Pack Size	Cat. No	Price	
Strip Tubes only					
0.2 ml 12-Strip PCR Tubes	Natural	80	I 1402-1200 C	£80.44	
0.2 ml 12-Strip PCR Tubes	Mixed <sup>1)</sup>	5 x 16	I 1402-1208	£80.44	
Strip Caps only					
12-Strip PCR Caps, Domed	Natural	80	I 1400-1200 C	£20.11	
12-Strip PCR Caps, Domed	Mixed <sup>1)</sup>	5 x 16	I 1400-1208	£20.11	
12-Strip PCR Caps, Flat (Xtra-Clear)	Natural	80	I 1400-1290 C	£20.11	
<sup>1)</sup> Mixed packs contain: blue, green, red, violet and yellow.					

#### **Tube Strips with attached caps**

- ► Polypropylene PCR strips
- ► Attached caps eliminates the possibility of cross-contamination through accidental tube-cap mix up
- ► Available in natural, or in mixed packs of blue, green, red, violet and yellow
- ► 'X-Clear' flat cap option for qPCR
- ► Tubes with individually attached caps can easily be split into smaller sections by snapping the strips apart
- ► Supplied in resealable bags
- ► Certified RNase, DNase, DNA & PCR Inhibitor free
- ► Endotoxin-free



ORDER INFORMATION						
Description	Colour	Pack Size	Cat. No	Price		
Domed Caps						
0.2 ml 8-Strip PCR Tubes, Ind-Attached Domed Caps	Natural	120	11402-2900	£113.96		
0.2 ml 8-Strip PCR Tubes, Ind-Attached Domed Caps	Mixed <sup>1)</sup>	5 x 24	11402-2908	£113.96		
Flat Caps (Xtra-Clear)						
0.1 ml 8-Strip PCR Tubes, Ind-Attached Flat Caps (Xtra-Clear), Low-Profile	Natural	120	A1402-3800	£113.96		
0.2 ml 8-Strip PCR Tubes, Ind-Attached Flat Caps (Xtra-Clear)	Natural	120	A1402-3700	£113.96		
1) Mixed pack contains: blue, green, red, violet and yellow						





ORDER I	ORDER INFORMATION  Colour Pack Size Cat No. Price			
Description Colour Pack Size Cat. No Price				
0.2 ml 8-Strip PCR Tube, Individually Attached Domed Shielded Caps	Natural	120	\$1602-2900	£119.66



ORDER INFORMATION						
Description	Colour	Pack Size	Cat. No	Price		
Domed Caps						
0.2 ml 8-Strip PCR Tubes, Attached Domed Cap Strip	Natural	125	11402-2800	£113.96		
Flat Caps (Xtra-Clear)						
0.2 ml 8-Strip PCR Tubes, Attached Flat Cap Strip (Xtra-Clear)	Natural	125	11402-2700	£113.96		
0.2 ml 8-Strip White PCR Tubes, Attached Flat Cap Strip (Xtra-Clear)	White / Natural	125	11409-2700	£113.96		

#### White Tubes with Xtra-Clear Caps!

White tubes to maximise reflectance for enhanced signal, combined with Xtra-Clear caps for optimal signal transmission and detection. Ideal for qPCR.

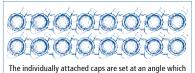
## **PCR** Strips

#### **Triple-Link, Non-Flex Strips** - stronger strips for easier handling!

Non-flex tubes have a robust, triple link between each tube making them less flexible and easier to handle. Individually attached caps eliminates the possibility of cross-contamination through accidental cap-tube mix



ups. Available with natural tubes, white tubes (to maximise reflectance for enhanced signal) or with colour tubes (mixed) for colour coded projects. The strips are available in two heights: standard height (0.2 ml) or low-profile (0.1 ml) for optimum temperature balancing and reduced evaporation.



allows the tubes to be nested together in racks etc without interferring with one another

Low-Profile Strips (0.1 ml): 15.24 mm high, for use in cyclers with low-profile capability only.

Standard Strips (0.2 ml): 20.83 mm high, for use in the majority of cyclers.



- Polypropylene 'non-flex' PCR strips for easier handling
- Strip tubes available in natural, opaque white, or in mixed packs of blue, green, red, violet and yellow
- 'Xtra-Clear' caps for Real-Time PCR
- ► Supplied in resealable bags
- Autoclavable
- Certified RNase, DNase, DNA & PCR Inhibitor free
- ▶ Endotoxin-free

ORDER INFORMATION					
Description	Colour	Pack Size	Cat. No	Price	
Standa	ard Height	t .			
0.2 ml 8-Strip Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	Natural / Natural	120	11402-3700	£113.96	
0.2 ml 8-Strip Mixed Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	Mixed <sup>1)</sup> / Natural	120	11402-3708	£113.96	
0.2 ml 8-Strip White Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	White / Natural	120	11409-3700	£113.96	
Low	/-Profile	-			
0.1 ml 8-Strip Low-Profile Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	Natural / Natural	120	11402-3800	£113.96	
0.1 ml 8-Strip Low-Profile White Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	White / Natural	120	I1409-3800	£113.96	
<sup>1)</sup> Mixed pack contains: blue, green, red, violet and yellow.		-			







Order by the case (x10 packs) to save on packing materials and transport emissions. See website for details.



### **Rotor-Gene® Style PCR Strips**

0.1 ml 4-strip tubes and caps for use with the Rotor-Gene® Q Real-Time PCR Cycler.

- ► Certified RNase, DNase, DNA and PCR Inhibitor free
- ▶ Endotoxin-free

ORDER INFORMATION					
Description Colour Pack Size Cat. No Price					
0.1 ml 4-Strip Rotor-Gene® Style Tubes and Caps	Natural	250	I1402-0400	£80.44	



# **PCR** Discs



One pack of 72-well discs provides



One pack of 100-well discs provides 3000 reactions

### Rotor-Gene® Style Discs

These Rotor-Gene® Style Discs are specially made to be used with the Qiagen Rotor-Gene® Q Real-Time Rotary Analyzer.

Two versions are available:

- ▶ 72-well disc of 100 µl tubes for use with the original Rotor-Disc® 72 Rotor and Rotor-Disc 72 Locking Ring (recommended reaction volume 20-25 µl)
- ▶ 100-well disc of 30 µl tubes for use with the original Rotor-Disc® 100 Rotor and Rotor-Disc 100 Locking Ring (recommended reaction volume 15-20 µl)

The discs act like a one-piece circular plate with vertically oriented wells for high-throughput use for automated reaction set-up.

- ► Alpha-numeric matrix to aid orientation
- ► Certified RNase, DNase, DNA and Pyrogen free
- ► Supplied individually-wrapped

ORDER INFORMATION				
Description	Pack Size	Cat. No.	Price	
Rotor-Gene® Style Discs: 72 x 100 μl Tubes	24 discs	I1402-0500	£113.36	
Rotor-Gene® Style Discs: 100 x 30 µl Tubes	30 discs	I1402-0600	£147.22	



# Non-Skirted PCR Plates

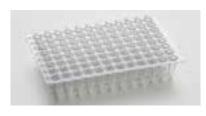


#### Plate capacities:

Approx. maximum capacity for 96-well plates: 350  $\mu l$  for standard height plates 200 µl for low-profile plates

### **Cuttable PCR plate**

Standard height, non-skirted PCR plate. This plate is more pliable than other non-skirted plates and can easily be cut into any desired configuration with normal scissors.







Order by the case (x10 packs) to save on packing materials and transport emissions. See website for details.



#### **Non-Skirted PCR Plates**

- ▶ Non-skirted plates for a universal fit, suitable for most thermal cyclers
- Opaque plates for qPCR show low auto-fluoresence with chemiluminescence (white) or fluorescence (black). White plates also increase signal yield
- ► Highly visible black printed matrix
- Supplied in resealable bags
- Certified RNase, DNase, DNA & PCR Inhibitor free
- ► Endotoxin-free

ORDER II	NFORMAT	ION		
Description (Cut Corner)	Colour	Pack Size	Cat. No.	Price
Lo	w-Profile	-		
96-Well PCR Plate, Non-Skirted, Low-Profile (H12)	Natural	20	E1403-0200	£68.43
96-Well PCR Plate, Non-Skirted, Low-Profile (H12)	Black	20	E1403-0208	£68.43
96-Well PCR Plate, Non-Skirted, Low-Profile (H12)	White	20	E1403-0209	£68.43
Stand	dard Heigh	t		
96-Well PCR Plate, Non-Skirted (A12)	Natural	10	E1403-1200	£34.91
96-Well PCR Plate, Non-Skirted (A12)	Black	10	E1403-1208	£34.91
96-Well PCR Plate, Non-Skirted (A12	White	10	E1403-1209	£34.91
Standard	Height, Cu	ttable		
96-Well PCR Plate, Non-Skirted (Cuttable) (A12)	Natural	10	E1403-0100	£34.91
Sea	aling Mat	-		
Silicone Sealing Mat for 96-Well PCR Plates (Autoclavable)*	Natural	5	E1403-0000	£32.24

ORDER INFORMATION						
Description (Cut Corner) Colour Pack Size Cat. No. Price						
96-Well PCR Plate, Non-Skirted (Flat Surface) (H12) Natural 10 B1402-0595 £34.91						

Plate has a moulded matrix. Plate can be sealed with the plate seals suitable for PCR (pages 83–85). For an overview of PCR plate sealing options, see page 76.

#### Silicone sealing mat (autoclavable)

Reusable, ultra-flexible and piercable silicone sealing mat for 96-well PCR Plates. Designed to be especially suitable for thermal cyclers with pressure-fit lids. Can be cut to size for use with 24, 32 or 48-well plates. The non-reactive rubber will withstand repeated autoclaving, extreme temperatures and aggressive chemicals. Certified RNase, DNase, DNA and PCR Inhibitor free. Endotoxin free.

ORDER INFORMATION				
Description	Colour	Pack Size	Cat. No.	Price
Silicone Sealing Mat for 96-Well PCR Plates (Autoclavable)	Natural	5	E1403-0000	£32.24
<b>NOTE:</b> This mat is not suitable for qPCR.				





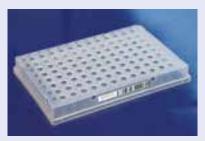
To download our PCR Plate-Cycler Compatibility Chart visit www.starlab.click/pcr-compatibility

### ▶ Reduce contamination with elevated wells

ORDER INFORMATION							
Description (Cut Corner) Colour Pack Size Cat. No. Price							
96-Well PCR Plate, Non-Skirted, Elevated Wells (H12)	Natural	10	E1403-2200	£34.91			
48-Well PCR Plate, Non-Skirted, Elevated Wells	Natural	20	E1403-3200	£42.88			
24-Well PCR Plate, Non-Skirted, Elevated Wells	Natural	40	E1403-4200	£49.59			
Sealing Mat							
Silicone Sealing Mat (Autoclavable) <sup>1)</sup>	Natural	5	E1403-0000	£32.24			

<sup>1)</sup>**NOTE:** Sealing mat E1403-0000 is not suitable for qPCR. Above plates can also be sealed with PCR strip caps (page 68). For an overview of all PCR Plate Sealing Options, see page 76.

# **Barcoded** PCR Plates



Barcoded plates have highly-visible printed matrix.

- ► Code 128 Barcoding plus human-readable number
- ► All barcodes seven digits long
- ► Low, minimum ordering quantity of 100 plates
- ▶ 96-well and 384-well plate options
- ► Certified RNase, DNase, DNA and PCR Inhibitor free
- ► Endotoxin free

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Images for illustrative purposes only.

ORDER INFORMATION					
Description (Cut Corner)	Colour	Pack Size	Cat. No.	Price	
96-Well Semi-Skirted Plates					
96-Well PCR Plate, Semi-Skirted, Straight Edges, with Barcode (A12)	Natural	10 x 10	I1402-9800-BC	£398.42	
96-Well PCR Plate, Semi-Skirted, for Roche® Lightcycler, with Barcode (H12)	White	10x10	I1402-9909-BC	£398.42	
96-Well PCR Plate, Semi-Skirted, Raised Rim, with Barcode (A12)	Natural	10x10	E1403-8200-BC	£398.42	

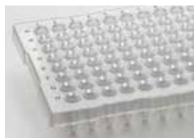
ORDER IN	IFORMAI	ION			
Description (Cut Corner) Colour Pack Size Cat. No. Price					
96-Well	Skirted Pla	te			
96-Well PCR Plate, Skirted, Low-Profile, with Barcode (A12)	Natural	10x10	E1403-5200-BC	£398.42	

ORDER INFORMATION						
Description (Cut Corner)	Colour	Pack Size	Cat. No.	Price		
384-Wel	384-Well Skirted Plates					
384-Well PCR Plate, ABI/Universal-Style, Skirted, with Barcode (A24)	Natural	10 x 10	E1042-3840-BC	£518.59		
384-Well PCR Plate for Roche Lightcycler®, Skirted, with Barcode (A24/P24)	Natural	10 x 10	E1042-9900-BC	£518.59		

### Customised barcoding is also available

If you require a specific sequence start to your barcoding or require barcoding on plates other than those shown above, we can provide you with a quote for customised barcoding. Note that the minimum order quantity for custom barcoding is 2000 plates. Contact STARLAB or your Account Manager for more details.

# Semi-Skirted PCR Plates



11402-9700

#### Plate capacities:

Approx. maximum capacity for 96-well plates:  $350\ \mu l$  for standard height plates 200 µl for low-profile plates



11402-9800





Order by the case (x10 packs) to save on packing materials and transport emissions. See website for details.



E1403-7700

### **Semi-Skirted PCR Plates**

- Available natural, or in mixed packs of blue, green, red, violet and yellow
- Opaque plates for qPCR show low auto-fluoresence with chemiluminescence (white) or fluorescence (black). White plates also increase signal yield
- ► Specialist plates (for FAST® Systems, qPCR)
- Supplied in resealable bags
- Certified RNase, DNase, DNA & PCR Inhibitor free
- Endotoxin-free

ORDER INFORMATION					
Description (Cut Corner)	Colour	Pack Size	Cat. No.	Price	
Lo	w-Profile				
96-Well PCR Plate, Semi-Skirted, Low-Profile (A12)	Natural	10	E1403-6200	£34.91	
96-Well PCR Plate, Semi-Skirted, Low-Profile (A12)	White	10	E1403-6209	£34.91	
Stand	dard Heigh	t			
96-Well PCR Plate, Semi-Skirted (A12)	Natural	10	11402-9700	£34.91	
96-Well PCR Plate, Semi-Skirted (A12)	Blue	10	11402-9701	£34.91	
96-Well PCR Plate, Semi-Skirted (A12)	Black	10	11402-9708	£33.57	
96-Well PCR Plate, Semi-Skirted (A12)	White	10	11402-9709	£34.91	
96-Well PCR Plate, Semi-Skirted (A12)	Mixed <sup>2)</sup>	10	11402-9799	£34.91	
Stra	ight Edges				
96-Well PCR Plate, Semi-Skirted, Straight Edges (A12)	Natural	10	I1402-9800 <b>C</b>	£34.91	
96-Well PCR Plate, Semi-Skirted, Straight Edges (A12)	White	10	11402-9809	£34.91	
for Roch	e LightCy	:ler®			
96-Well PCR Plate, Semi-Skirted, for Roche LightCycler® (H12)	White	10	11402-9909	£34.91	
Sea	aling Mat				
Silicone Sealing Mat (Autoclavable) <sup>1)</sup>	Natural	5	E1403-0000	£32.24	

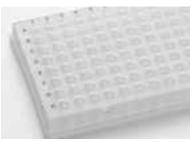
<sup>1)</sup>NOTE: Sealing mat E1403-0000 is not suitable for qPCR. Above plates can also be sealed with PCR strip caps (page 68), or the plate seals suitable for PCR (pages 83–85). For an overview of PCR plate sealing options, see page 76.

<sup>2)</sup>Mixed pack contains two plates of the following colours: blue, green, red, violet, yellow.

ORDER INFORMATION						
Description (Cut Corner)	Colour	Pack Size	Cat. No.	Price		
TAQMan®-Style Plate						
96-Well PCR Plate, Semi-Skirted, Raised Rim (A12)	Natural	10	E1403-8200	£34.91		
96-Well PCR Plate, Semi-Skirted, Raised Rim (A12)	White	10	E1403-8209	£33.57		
Plate for	FAST® Syst	ems				
96-Well PCR Plate, Semi-Skirted, Raised Rim, Low Profile (for FAST® Systems) (A1)	Natural	10	E1403-7700	£32.14		
96-Well PCR Plate, Semi-Skirted, Raised Rim, Low Profile (for FAST® Systems) (A1)	White	10	E1403-7709	£34.91		
Sealing Mat						
Silicone Sealing Mat (Autoclavable)*	Natural	5	E1403-0000	£32.24		
*NOTE: Sealing mat E1403-0000 is not suitable for gPCR.	Above plates of	an also be sea	ed with PCR strip caps (	page 68), or		

the plate seals suitable for PCR (pages 83–85). For an overview of PCR plate sealing options, see page 76.

# **Skirted** PCR Plates



E1403-5200

### Plate capacities:

Approx. maximum capacity for 96-well plates:  $350\ \mu l$  for standard height plates 200 µl for low-profile plates

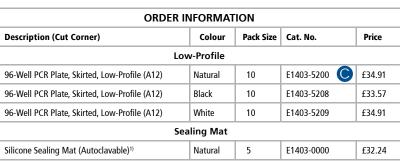


E1403-5200

To download our PCR Plate-Cycler Compatibility Chart visit www.starlab.click/pcr-compatibility



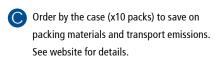
- ▶ Natural, opaque black or white plate available
- Holes on sides for robotics handling
- ► Highly-visible printed matrix
- Supplied in resealable bags
- Autoclavable
- Certified RNase, DNase, DNA & PCR Inhibitor free
- Endotoxin-free



1)NOTE: Sealing mat E1403-0000 is not suitable for gPCR. Above plates can also be sealed with PCR strip caps (page 68), or the plate seals suitable for PCR (pages 83–85). For an overview of PCR plate sealing options, see page 76.



E1042-3840



#### 384-Well Skirted PCR Plates

- ► Opaque white plates available for gPCR
- ► Holes on sides for robotics handling
- ► Supplied in resealable bags
- Certified RNase, DNase, DNA & PCR Inhibitor free
- Endotoxin-free

ORDER INFORMATION						
Description (Cut Corner)	Colour	Pack Size	Cat. No.	Price		
384-Well PCR Plate, ABI®/Universal-Style, Skirted (A24)	Natural	10	E1042-3840	£60.33		
384-Well PCR Plate, ABI®/Universal-Style, Skirted (A24)	White	10	E1042-3849	£60.33		
384-Well PCR Plate for Roche Lightcycler®, Skirted (A24,P24)	White	10	E1042-9909	£72.48		
384-Well PCR Plate, Skirted (40 μl), (A24, P24)	Natural	10	E1042-2500	£40.23		
384-Well PCR Plate, Skirted (35 μl), (A24)	Natural	10	E1042-3000	£40.23		
Se	ealing Mat					
Silicone Sealing Mat for 384-Well Plates <sup>1)</sup>	Natural	10	E1042-2350	£33.52		

<sup>1)</sup>Sealing mat E1042-2350 is not suitable for qPCR. Plate seals suitable for PCR/qPCR can be found on pages 83–85.



### What are my options?

#### 24- and 48-Well Plates

- ▶ 8-strip caps
- ► PCR Sealing Film Strips

#### 96-Well Plates

- ▶ 8-strip caps
- ► 12-strip caps
- ► Sealing mats for 96-well plates
- ▶ Plate seals and strips (unless plate has raised wells)

#### 384-Well Plates

- ► Sealing mats for 384-well plates
- ▶ Plate seals

#### Strip Caps



8- and 12-strip caps are manufactured from pure polypropylene, are available flat or domed, and are suitable for use with all 96-well PCR plates. (Only 8-strip caps can be used on 24- and 48-well plates).

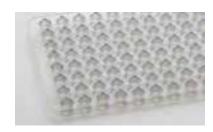
Strip caps allow the convenience of unsealing one row of plate wells at a time.

Flat caps enable labelling while domed caps provide the most secure

# **PCR** Plate-Sealing Overview

seal when using thermal cyclers with a screw down lid. Use the flat, 'Xtra-clear' strip caps in Real-Time (qPCR) applications as these exceptionally clear caps allow the fluorescence signal to pass through.

#### For ordering details, see page 68.



#### **Sealing Mats**

Particularly suitable for sealing plates with defined heated-lid contact pressure, silicone mats are very flexible, autoclavable and reusable.

The mats can also be cut to meet individual needs. E1403-0000 is piercable to allow access to the sample. Sealing mats are not suitable for Real-Time applications.

For best results, we recommend using only the dedicated mat for your plate. The recommended sealing mat is listed in the ordering table under each plate on pages 72-75.

## **Sealing Films & Foils Self-Adhesive**

STARLAB offers eight different selfadhesive seals/strips suitable for standard PCR (aluminium, polyester, clear polypropylene and clear poly-

The Xtra-Clear Advanced Polyolefin Seal is suitable for Real-Time PCR and the seal's superior optical clarity yields consistent results. For an optimum and consistent seal across the whole plate, use the seal applicator or sealing brayer on page 82.



#### **Heat Seals**

All heat seals offered by STARLAB are suitable for PCR; one of them has superior optical clarity and is suitable for Real-Time PCR.

See page 85 for specifications and ordering details.



## **Important Note** for Real-Time PCR (qPCR)

Please check that both the plate AND the sealing option are suitable for Real-Time PCR applications.

Plates: Please visit www.starlab. click/cycler-compatibility to see which plate is suitable for your Real-Time Cycler.

Strip Caps: Use only 'X-Clear' strip caps on your plates for Real-Time PCR applications.

Plate Seals: Only those seals with superior optical clarity can be used for Real-Time applications. Choose between a selfadhesive seal (page 83) or a heat seal (page 85).

**NOTE: Sealing mats are NOT** suitable for Real-Time.

# PlateOne® Deepwell Plates

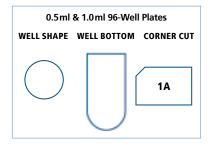


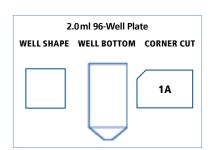




- ► Virgin polypropylene
- ► Highly visible, printed matrix
- ► SBS footprint
- ► Barcoded plates available on request
- ► Rated up to 5000 x g
- ► Temperature use: -80°C to 121°C
- ► Autoclavable
- ► Supplied in resealable bags
- ► Certified RNase, DNase, DNA & Pyrogen free









200 µl 384-Well Plate				
WELL SHAPE WELL BOTTOM CORNER CUT				
	1A			

ORDER INFORMA	ATION		
Description	Pack Size	Cat. No.	Price
0.5 ml, Round Wells, Ro	und Bottom		
0.5 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms	4 x 8	S1896-5800	£150.05
0.5 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Bulk)	32	S1896-5000	£129.49
0.5 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Sterile), Individually Wrapped	32	S1896-5110	£168.94
DMSO Resistant Polyolefin Sealing Mat for 96-Well with Round Wells	24	B1494-1224	£90.17
1.0 ml, Round Wells, Ro	und Bottom		
1.0 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms	4 x 5	S1896-1800	£94.55
1.0 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Bulk)	20	S1896-1000	£88.69
1.0 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Sterile), Individually Wrapped	20	S1896-1110	£107.05
DMSO Resistant Polyolefin Sealing Mat for 96-Well with Round Wells	24	B1494-1224	£90.17
2.0 ml, Square Wells, V-Si	haped Bottom		
2.0 ml PlateOne® 96 Deepwell Plate, Square Wells with V-Shape Bottoms	4 x 5	S1896-2800	£107.05
2.0 ml PlateOne® 96 Deepwell Plate, Square Wells with V-Shape Bottoms (Bulk)	20	S1896-2000	£95.75
2.0 ml PlateOne® 96 Deepwell Plate, Square Wells with V-Shape Bottoms (Sterile), Individually Wrapped	20	S1896-2110	£118.20
DMSO Resistant Polyolefin Sealing Mat for 96-Well with Square Wells	24	B1494-1124	£90.17
Piercable Sealing Mat for 96-Well with Square Wells	5	F2896-1801	£36.65

ORDER INFORMATION				
Description	Pack Size	Cat. No.	Price	
200 μl PlateOne® 384 Deepwell Plate, Square Wells with V-Shape Bottoms	4 x 10	S1884-2400	£224.65	
200 μl PlateOne® 384 Deepwell Plate, Square Wells with V-Shape Bottoms (Bulk)	40	S1884-2000	£197.09	
200 μl PlateOne® 384 Deepwell Plate, Square Wells with V-Shape Bottoms (Sterile), Individually Wrapped	40	S1884-2410	£247.82	
Autoclavable, DMSO Resistant Sealing Mat for 384-Well Plates with Square Wells, Blue	24	B1494-1024	£92.82	
Plate dimensions (WyDyH): 127.8 y 85.5 y 25.10 mm				

PlateOne® Plates can be sealed with the designated Sealing Mats listed, or with the Plate Seals on pages 83–85.

# 96-Well Deepwell Plates

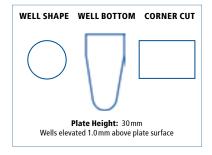


### **Features**

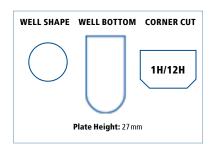
- ► Virgin polypropylene plates with SBS footprint
- ► Alpha-numeric reference grid (moulded)
- ▶ Pierceable mats reseal after use
- ▶ Plate temperature use: -80°C to 121°C.
- ► All plates are autoclavable



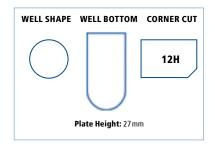
Sealing Mats can be reused many times.



ORDER INFORMATION				
Description	Pack Size	Cat. No.	Price	
0.6 ml 96 Deepwell Plate, Round Wells with Conical Bottoms	5	E2896-0600	£15.54	
Sealing Mat				
Piercable Sealing Mat for 0.6ml Deepwell Plates with 96 Round Wells	10	E2896-6600	£32.23	
Certified RNase and DNase free.				



ORDER INFORMATION				
Description	Pack Size	Cat. No.	Price	
1.1 ml 96 Deepwell Plate, Round Wells with Round Bottoms, Low-Profile (Sterile)	2 x 5	E2896-0110	£42.23	
Sealing	g Mat			
Piercable, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Round Wells	10	E2896-1100	£35.19	
Certified RNase and DNase free.			-	

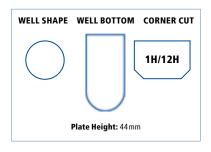


ORDER INFORMATION				
Description	Pack Size	Cat. No.	Price	
1.2 ml 96 Deepwell Plate, Round Wells, Round Bottoms, Low-Profile	50	E2896-0120	£158.11	
Sealing Option	ons			
Pierceable TPE Sealing Mat for 1.2ml 96 Deepwell Plates with Round Wells	50	E2896-0320	£215.18	
Pierceable TPE 8-Strip Caps for 96 Deepwell Plates	1000 Strips	E1780-8400	£193.22	

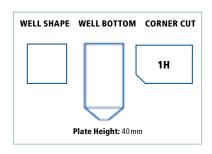
#### Deepwell plate sealing options

Deepwell plates can be sealed with the designated sealing mat listed in the plate's ordering table, or with the plate seals on pages 83-85.

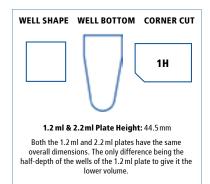




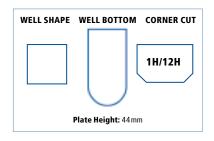
ORDER INFORMATION				
Description	Pack Size	Cat. No.	Price	
2.0 ml 96 Deepwell Plate, Round Wells with Round Bottoms,	10	E2896-2100	£46.49	
2.0 ml 96 Deepwell Plate, Round Wells with Round Bottoms (Sterile)	2 x 5	E2896-2110	£59.10	
Sealing Mat				
Piercable, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Round Wells	10	E2896-1100	£35.19	
Certified RNase and DNase free.				



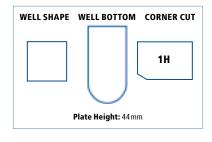
ORDER INFORMATION				
Description	Pack Size	Cat. No.	Price	
2.2 ml 96 Deepwell Plate, Square Wells with V-Shaped Bottoms	50	E2896-0220	£170.76	
Sealing Mat				
Piercable TPE Sealing Mat for 2.2/2.5 ml 96 Deepwell Plates with Square Wells	20	E2896-2501	£55.15	



ORDER INFORMATION				
Description	Pack Size	Cat. No.	Price	
1.2 ml Deepwell Pl	ate	-		
1.2 ml 96 Deepwell Plate, Square Wells with Conical Bottoms	10	E2896-1820	£35.19	
2.2 ml Deepwell Pl	ate			
2.2 ml 96 Deepwell Plate, Square Wells with Conical Bottoms	10	E2896-1810	£39.45	
Sealing Mat				
Piercable, Autoclavable Silicone Sealing Mat for 1.2 ml and 2.2 ml 96 Deepwell Plates with Square Wells	5	E2896-1801	£36.65	
Certified RNase and DNase free.		-		

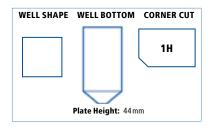


ORDER INFORMATION				
Description	Pack Size	Cat. No.	Price	
2.0 ml 96 Deepwell Plate, Square Wells with Round Bottoms (Sterile)	5 x 5	E2896-0210	£152.07	
Sealing	) Mat			
Piercable, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Square Wells	10	E2896-1200	£36.95	
Certified RNase and DNase free.		-		



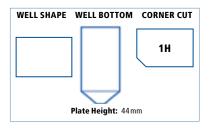
ORDER INFORMATION				
Description	Pack Size	Cat. No.	Price	
2.5 ml 96 Deepwell Plate, Square Wells with Round Bottoms	20	E2896-2500	£126.48	
Sealing Mat				
Piercable TPE Sealing Mat for 2.2/2.5 ml 96 Deepwell Plates with Square Wells	20	E2896-2501	£55.15	

# 24-Well Deepwell Plates



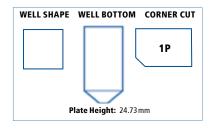
ORDER INFORMATION							
Description	Pack Size	Cat. No.	Price				
10 ml 24 Deepwell Plate, Square Wells with V-Shape Bottoms	20	E2824-0000	£158.11				
Sealing Mat							
Pierceable TPE Sealing Mat for 10 ml 24 Deepwell Plate 20 E2824-0001 £83.48							

# 48-Well Deepwell Plates



ORDER INFORMATION							
Description	Pack Size	Cat. No.	Price				
5.0 ml 48 Deepwell Plate, Rectangle Wells with V-Shape Bottoms	20	E2848-0000	£158.11				
Sealing Mat							
Pierceable TPE Sealing Mat for 5.0 ml 48 Deepwell Plates	20	E2848-0001	£83.48				

# 384-Well Deepwell Plates



ORDER INFORMATION					
Description Pack Size Cat. No. Price					
240 μl 384 Deepwell Plate, Square Wells with V-Shape Bottoms	10	E2384-2400	£50.73		

#### Deepwell plate sealing options

Deepwell plates can be sealed with the designated sealing mat listed in the plate's ordering table, or with the plate seals on pages 83-85.

# PlateOne® Microplates



PlateOne® 96-well microplates are available in three styles, all with a highlyvisible solvent-resistant, alpha-numeric matrix. These high-clarity polypropylene plates offer excellent sample recovery compared to polystyrene plates. All plates conform to the SBS standard for compatibility with your automated equipment.

#### **Features**

- ▶ Virgin polypropylene plates for reduced sample binding compared to polystyrene plates
- ► High chemical resistance
- Raised wells help prevent cross contamination
- ► Highly visible printed, alpha-numeric matrix
- SBS footprint
- Temperature range: -80°C to 121°C
- Autoclavable

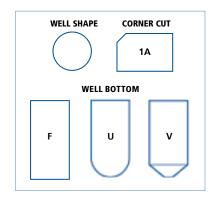
for 96-Well with Round Wells

Plate dimensions: (WxDxH): 127.8 x 85.5 x 14.35 mm

Certified RNase, DNase, DNA & Pyrogen free



Well-bottom shape indicator code on every plate for easy



ORDER INFORMATION								
Description	Pack Size	Cat. No.	Price					
Flat Bottom (F) Plates, max. Working Volume 370 µl								
PlateOne® 96-Well Microplate, Round Wells with Flat Bottoms,	4 x 20	S1837-9600	£154.86					
PlateOne® 96-Well Microplate, Round Wells with Flat Bottoms (Sterile)	4 x 20	S1837-9610	£174.5					
Round Bottom (U) Plates, max. Working Volume 320 μl								
PlateOne® 96-Well Microplate, Round Wells with Round Bottoms	4 x 20	S1830-9600	£154.86					
PlateOne® 96-Well Microplate, Round Wells with Round Bottoms (Sterile)	4 x 20	S1830-9610	£174.5					
Conical Bottom (V) Plates, max. Work	cing Volum	e 320 µl						
PlateOne® 96-Well Microplate, Round Wells with Conical Bottoms	4 x 20	S1833-9600	£154.86					
PlateOne® 96-Well Microplate, Round Wells with Conical Bottoms (Sterile)	4 x 20	S1833-9610	£174.5					
Sealing Mat								
DMSO Resistant Polyolefin Sealing Mat	24	B1494-1224	£90.17					

Plateme



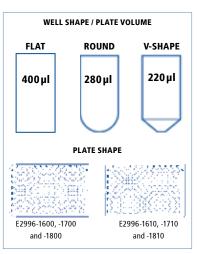
Larger pack sizes reduce packing materials and transport emissions





# Polystyrene Microplates





**Sealing options:** Can also be sealed with plate seals suitable for PS plates on pages 83–85.

### Ultra clear polystyrene microplates

- ► Crystal clear polystyrene (PS)
- Aseptically produced plates in convenient mini-packs
- Individually-wrapped, sterile (irradiated) plates.
- ► Lids available separately

Three different well bottoms: FLAT: for optical reading eg. non-UV spectrophotometers, and ELISA

**Applications** where pre-treated plates are not needed; ROUND & V-SHAPED when total sample recovery is required.

ORDER INFORMATION						
Description	Pack Size	Cat. No.	Price			
Sterile <sup>1</sup>						
96-Well Microplate, Round Wells, Flat Bottom, PS (Sterile¹)	20 x 5	E2996-1600	£50.7			
96-Well Microplate, Round Wells, Round Bottom, PS (Sterile¹)	20 x 5	E2996-1700	£49.2			
96-Well Microplate, Round Wells, V-Shape Bottom, PS (Sterile¹)	20 x 5	E2996-1800	£49.2			
PS Lid for 96-Well PS Microplates (Sterile¹)	20 x 5	E2996-1900	£49.2			
Sterile², Individually-W	rapped					
96-Well Microplate, Round Wells, Flat Bottom, PS (Sterile <sup>2</sup> ), Individually-Wrapped	50	E2996-1610	£53.5			
96-Well Microplate, Round Wells, Round Bottom, PS (Sterile <sup>2</sup> ), Individually-Wrapped	50	E2996-1710	£53.5			
96-Well Microplate, Round Wells, V-Shaped Bottom, PS (Sterile²), Individually-Wrapped	50	E2996-1810	£53.5			
PS Lid for 96-Well PS Microplates (Sterile), Ind. Wrapped	50	E2996-1910	£42.2			

<sup>1</sup>Aseptically produced in a fully-automated and bio-burden controlled environment. <sup>2</sup>Sterilised via irradiation. Plate dimensions (WxDxH): 127.4 x 85.9 x 14.7 mm. **NOTE**: Due to the difference in plate shape, lid E2996-1900 is compatible only with plates E2996-1600, -1700 and -1800; lid E2996-1910 is compatible only with plates E2996-1610, -1710 and -1810.

# **Sealing** Accessories



### **Seal Applicator**

Polyethylene applicator for use with self-adhesive plate seals.

12928-7355 £9.32 pack of 5



### **Sealing Brayer**

Soft rubber roller for use with self-adhesive plate seals.

> E9127-2940 £27.62 each

# Self-Adhesive Plate Seals

				ORDER INF	ORMATION			
	Thick (60 µm) Aluminium Seal, (PCR)	Aluminium StarSeal (PCR)*	Clear Polypropylene Seal (PCR)	Clear Polyolefin StarSeal (PCR)*	Xtra-Clear Advanced Polyolefin StarSeal (qPCR)*	Polyester Seal	Polyethylene Seal	Breathable Film
Ordering Info: (Non-sterile)	E2796-0792 £43.60 100 Seals	E2796-9792 £45.90 100 Seals	E2796-0793 £43.60 100 Seals	E2796-9793 £45.90 100 Seals	E2796-9795 £128.65 100 Seals	E2796-0794 £36.66 100 Seals	E2796-0796 £29.09 100 Seals	E2796-3005 £77.43 100 Seals
Ordering Info: (Sterile)	n/a	n/a	n/a	n/a	n/a	E2796-0714 £52.06 100 Seals	n/a	E2796-3015 £53.34 2 x 25 Seals
Colour	Silver	Silver	Clear	Clear	Clear	Clear	Clear	Natural
Self-adhesive	✓	✓	✓	✓	✓	✓	✓	✓
Opaque	✓	✓						✓
Optically clear			✓	✓	✓	✓	✓	
Superior optical clarity					✓			
Suitable for PCR	✓	✓	✓	✓	✓			
Suitable for Real-Time PCR (qPCR)					<b>✓</b>			
Short-term storage and incubation	✓	✓	✓	✓	✓	✓	✓	✓
Easy to pierce with needle or metal probe	✓	✓	✓				✓	
Easy to pierce with pipette tip	✓	✓	✓				✓	
Low 'tack to touch' adhesive**					✓			
Low auto-fluorescence				✓	✓			
Resistant to DMSO		✓	✓	✓	✓			
Sterile option						✓		✓
Breathable								✓
Gas permeable								✓
Certified		✓		✓	✓	✓		✓
Plate type compatibility	PP, PS, PC, PE	PP, PS, PC	PP, PS, PC, PE	PP, PS, PC	PP, PS, PC	PP, PS	PS	PP, PS
Minimum temp. use	-80°C	-70°C*	-80°C	-70℃*	-70°C*	-40°C	-40°C	4°C
Maximum temp. use	120°C	110°C	120°C	110°C	110°C	65 <i>°</i> C	40°C	40°C

<sup>\*</sup>StarSeals have a minimum temperature use specification of -70°C but they can be used at -80°C for short-term storage. n/a = not available. Key: PP = polypropylene. PS = polystyrene. PC = polycarbonate. PE = polyethylene.

## <sup>1</sup>Xtra-Clear Advanced Polyolefin StarSeal

E2796-9795 has a low tack-to-touch adhesive. This means that it does not feel sticky when handled, making it is easier to handle so the seal sticks to your plate, not your gloves. The adhesive is pressure-sensitive, so it is only once you have correctly positioned the seal on the plate and you then apply pressure that the seal adheres to the plate. Once bonded, the seal strength is unbeatable. Contact STARLAB for a copy of the Data Sheet detailing the outstanding performance of E2796-9795 against a leading brand's seal.



## **Self-Adhesive** Plate Seals



ORDER INFORMATION							
Description Pack Size Cat. No. Price							
Polypropylene PCR Sealing Film Strips, Clear	200 Strips (50 Sheets)	E2796-2850	£29.95				



## Polypropylene PCR Sealing Film Strips, Clear

- ► Supplied on convenient, perforated sheets of four strips
- ► Removable positioning tabs on either end provide easy application and removal
- ▶ Universal fit and specially formulated adhesive provides an excellent seal for all plate types
- ► Temperature range: -40°C to +120°C
- ► Certified RNase, DNase and nucleic acid free



ORDER INFORMATION						
Description Pack Size Cat. No. Price						
Polyester PCR Sealing Film, Clear	100 Sheets	E2796-0100	£46.50			



### Polyester PCR Sealing Film, Clear

- ► This PCR sealing film offers high performance for robotic applications and extreme conditions
- ► Excellent seal minimizes evaporation and well-to-well cross contamination
- ► Fit-toplate dimensions and chamfered corners result in no plate overhang for robotic applications
- ► Temperature range: 40°C to + 120°C
- ► Compatible with thermal cyclers



ORDER INFORMATION						
Description Pack Size Cat. No. Price						
Aluminium PCR Sealing Foil, Silver	100 Sheets	E2796-1100	£26.83			



### **Aluminium PCR Sealing Foil, Silver**

- ▶ Fit-to-plate dimensions and chamfered corners result in no plate overhang for robotic applications
- ► Clean removal from plate leaves no adhesive residue; ideal for cold storage
- ▶ Pierceable with pipette tips and robotic probes for direct sample retrieval
- ► Excellent chemical resistance (DMSO)
- ► Temperature range: -80°C to +120°C

# **Heat-Sealing** Plate Seals

	ORDER INFORMATION				
	Peelable Film (PCR)	Easy Pierce Film (PCR)	Optically Clear Film (qPCR)		
Ordering Info:	E2796-3060 £40.00 25 Seals	E2796-3090 £36.82 25 Seals	E2796-3020 £218.00 100 Seals		
Colour	White	Silver	Clear		
Heat seal	✓	✓	✓		
Opaque	✓	✓			
Optically clear			✓		
Superior optical clarity			✓		
Suitable for PCR	✓	✓	✓		
Suitable for Real-Time PCR (qPCR)			✓		
Long-term storage and incubation	✓	✓	✓		
Easy to pierce with needle or metal probe		✓			
Easy to pierce with pipette tip		✓			
Resistant to DMSO	✓	✓	✓		
Plate type compatibility	PP, PE	PP, PE	PP, PS, PE		
Minimum temp. use	-200°C	-80°C	-80°C		
Maximum temp. use	90°C	80°C	120°C		



# Parafilm<sup>®</sup> Sealing Film



## Colourless and moisture-proof sealing film

A colourless and moisture-proof film that moulds to the surface. Stretch the film tight to seal beakers, flasks, tubes and petri dishes. Available in three different sizes.

ORDER INFORMATION						
Description Pack Size Cat. No. Price						
Parafilm® (50 mm Wide x 75 m Long)	1 Roll	13080-5075	£32.42			
Parafilm® (100 mm Wide x 38 m Long)	1 Roll	13080-1038	£39.12			
Parafilm® (100 mm Wide x 75 m Long)	1 Roll	13080-1075	£56.07			



# **Autoclave** Tape & Bags



### Autoclave tape

ORDER INFORMATION					
Description Pack Size Cat. No. Price					
Autoclave Tape (50 m Long x 18 mm Wide)	4	E3300-0000	£28.15		
Autoclave Tape (50 m Long x 25 mm Wide)	4	E3300-0001	£31.63		



#### **Autoclave bags**

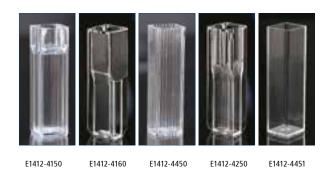
- ▶ Polypropylene bags (48 microns) for autoclaving up to 136°C
- ► Printed with the 'biohazard' symbol
- Use for contaminated waste disposal
- ► White write-on panel

ORDER INFORMATION					
Description	Pack Size	Cat. No.	Price		
Autoclave Bag, 310 x 660 mm	200	E3300-3166	£45.02		
Autoclave Bag, 415 x 600 mm	200	E3300-4070	£49.28		
Autoclave Bag, 610 x 810 mm	200	E3300-6078	£91.51		

## **Cuvettes**

Disposable cuvettes suitable for use with most open spectrophotometers. Provides optimum transmission level on the whole visible spectral. The material used avoids any possible measurement interference. High reliability is assured, with maximum absorption variation at: +/- 1%.

Light beam width: for 10 mm. The two sides not crossed by the light beam are ribbed to an easy identification of the cuvette position inside the spectrophotometer measurement chamber, resulting in an easy positioning and removal.



### Standard polystyrene cuvettes

► For assays in the visible spectral range 340 to 750 nm (E1412-4160 range 340 to 900 nm).

### **UV grade PMMA cuvettes**

- ► For accuracy throughout the UV/Vis range 280 to 800 nm
- ► E1412-4451 is ideal for fluorometry and nephefelometry

Supplied in a polystyrene rack with lid for safe storage.

ORDER INFORMATION				
Description	Pack Size	Cat. No.	Price	
1.5 ml SemiMicro Cuvette, Square, Polystyrene	5 x 100	E1412-4150	f62.03	
1.6 ml Half Micro Cuvette, Transparent, Square, Polystyrene	5 x 100	E1412-4160	£65.00	
4.5 ml Macro Cuvette, Square, Polystyrene	5 x 100	E1412-4450	£64.81	
2.5 ml SemiMicro Cuvette, Square, UV Grade PMMA	5 x 100	E1412-4250	£84.47	
4.5 ml Macro Cuvette, Transparent, Square, UV Grade PMMA	5 x 100	E1412-4451	£84.47	

# **Filtration** Funnels





#### Versatile!

STARLAB's polypropylene (PP) bottle-top filtration funnels for solvent filtration are an excellent way to purify solvents for all analytical applications. The one-piece PP construction ensures the funnels can withstand aggressive solvents. Made from FDA-grade materials, the PP filtration funnels are suited for the most demanding applications (such as food and drug industries).

Available with three different types of membrane (PES, Nylon, and PTFE), two different pore sizes (0.2  $\mu m$ , and  $0.45~\mu\text{m})$  and two funnel holding volumes (500 ml and 1000 ml).

- ► Filter diameter: 90 mm
- ► FDA-grade filter
- ► Compatible with CytoOne® Filtration Pedestal and Cradle Ring
- ► Compatible with most laboratory GL45 bottles

	ORDER INF	ORMATION		
Description	Color	Pack Size	Cat. No.	Price
	PES Me	mbrane		
Filtration Funnel PP, 0.2 μm PES membrane, 500 ml	Clear	12	E4111-5226	£125.00
Filtration Funnel PP, 0.2 μm PES membrane, 1000 ml	Clear	12	E4111-6226	£135.00
	Nylon M	embrane		
Filtration Funnel PP, 0.2 μm Nylon membrane, 500 ml	Clear	12	E4111-5222	£119.00
Filtration Funnel PP, 0.2 μm, Nylon membrane, 1000 ml	Clear	12	E4111-6222	£128.00
Filtration Funnel PP, 0.45 µm Nylon membrane, 500 ml	Clear	12	E4111-5452	£119.00
Filtration Funnel PP, 0.45 µm Nylon membrane, 1000 ml	Clear	12	E4111-6452	£128.00
	PTFE Me	mbrane		
Filtration Funnel PP, 0.45 µm PTFE membrane, 500 ml	Clear	12	E4111-5454	£128.00
Filtration Funnel PP, 0.45 µm PTFE membrane, 1000 ml	Clear	12	E4111-6454	£137.00



# **Reagent** Reservoirs



#### StarTub PP

Reusable, high quality reagent reservoirs made from white polypropylene (PP). V-shaped bottom. Autoclavable.

Dimensions (WxDxH): 147 x 60 x 33 mm

ORDER INFORMATION					
Description	Volume	Pack Size	Cat. No.	Price	
StarTub Reagent Reservoir (PP)	50-60 ml	10	S4026-5806	£16.87	



#### StarTub PVC

Disposable, clear PVC reservoirs with V-shaped bottom for single use.

Dimensions (WxDxH): 150 x 67 x 25 mm

ORDER INFORMATION				
Description	Volume	Pack Size	Cat. No.	Price
StarTub Reagent Reservoir (PVC)	55 ml	100	E2310-1000	£17.83



#### StarTub PS (polystyrene)

25 ml PS, sterile ind-wrapped reservoir with V-shaped bottom. Graduations. (WxDxH): 145 x 70 x 26 mm

55 ml PS, sterile ind-wrapped reservoir with V-shaped bottom. (WxDxH): 149 x 65 x 26 mm

100 ml PS bulk packed reservoir with trough-shaped bottom. Graduations and corner pour spout. (WxDxH): 144 x 85 x 33 mm

100 ml PS, sterile ind-wrapped reservoir with trough-shaped bottom. Graduations and corner pour spout. (WxDxH): 146 x 82 x 35 mm

ORDER INFORMATION						
Description	Volume	Pack Size	Cat. No.	Price		
StarTub Reagent Reservoir (PS), (Sterile) Single-Wrap	25 ml	50	E2310-1025	£34.36		
StarTub Reagent Reservoir (PS), (Sterile) Single-Wrap	55 ml	50	E2310-1010	£30.63		
StarTub Reagent Reservoir (PS), (Sterile) Single Wrap	100 ml	50	E2310-1100	£37.86		
StarTub Reagent Reservoir (PS), Bulk	100 ml	100	E2310-2000	£50.47		



## **CAPP® Origami Reservoirs**

Flat-packed durable polypropylene reservoirs ready for you to flick into

The V-shaped bottom helps prevent bubbles forming and save  $% \left( \frac{1}{2}\right) =\left( \frac{1}{2}\right) \left( \frac{1$ on reagents.

ORDER INFORMATION						
Description	Volume	Pack Size	Cat. No.	Price		
StarTub Reagent Reservoir (PS), (Sterile) Single-Wrap	25 ml	50	E2310-1025	£34.36		
StarTub Reagent Reservoir (PS), (Sterile) Single-Wrap	55 ml	50	E2310-1010	£30.63		
StarTub Reagent Reservoir (PS), (Sterile) Single Wrap	100 ml	50	E2310-1100	£37.86		
StarTub Reagent Reservoir (PS), Bulk	100 ml	100	E2310-2000	£50.47		

ORDER INFORMATION						
Description	Volume	Pack Size	Cat. No.	Price		
CAPP® Origami Reagent Reservoir	30 ml	50	CA-40505	£30.68		
CAPP® Origami Reagent Reservoir	40 ml	50	CA-40510	£40.95		



#### **Three-Way Reservoir**

Reusable multi-purpose white polypropylene reservoir that comprises:

8-channel reservoir (8 x 5.0 ml) All w

Auto

Dime 111 x 112 x 28 mm

hannel reservoir (12 x 5.0 ml	
duated single reservoir (50 ml)	
vells have V-shaped bottom. oclavable.	
ensions (WxDxH):	
v 112 v 20 mm	



#### **12-Channel Reservoir**

Reusable, clear polypropylene reservoir with 12 x 22 ml troughs, each with 8 x pyramid bottoms.

Each trough is indexed with clear, black printed number.

Autoclavable.

Certified RNase, DNase, DNA and PCR Inhibitor free.

Dimensions (WxDxH): 128 x 87 x 44.5 mm

ORDER INFORMATION			C	RDER INF	ORMATIC	ON			
	Description	Pack Size	Cat. No.	Price	Description	Volume	Pack Size	Cat. No.	Price
	3-Way Reusable Reagent Reservoir	10	E2310-1812	£17.88	12-Channel Reagent Reservoir	12 x 22 ml	5	E2310-1200	£21.51



www.starlab.click/reagentreservoirs





### ChannelMate™ Reservoirs

Reagent reservoir refills saves both waste and storage space. ChannelMate™ combines a sturdy reusable base with ultra-clear inserts to create a unique and eco-friendly refillable reservoir system. Sterile, and RNase, DNase and pyrogen free.

### **Features**

- ► Non-tipping, durable polystyrene base features high-contrast volume graduations
- ► Skirtless polystyrene inserts require up to 40% less plastic and create minimal waste
- ► Nested inserts save up to 65 % storage space compared to other reservoirs
- ► Two systems: 25 ml & 100 ml
- ► Bases and inserts available separately

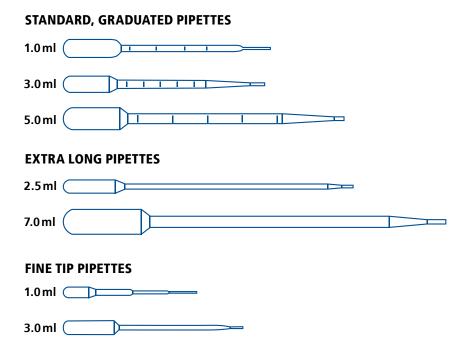
ORDER INFORMATION					
Description	Pack Size	Cat. No.	Price		
ChannelMate™ 2	5 ml System				
25 ml ChannelMate™ Reservoir System (Sterile)	2001)	E1306-2510	£143.21		
25 ml ChannelMate™ Insert (Sterile)	50	E1346-2510	£36.07		
25 ml ChannelMate™ Base	10	E1306-2590	£63.65		
ChannelMate™ 10	00 ml System				
100 ml ChannelMate™ Reservoir System (Sterile)	2001)	E1306-1010	£143.21		
100 ml ChannelMate™ Insert (Sterile)	50	E1346-1010	£36.07		
100 ml ChannelMate™ Base	10	E1306-1090	£63.65		
<sup>1)</sup> Pack contains one base plus 200 inserts (supplied 4 bags of 50 in	serts).				

# **Loops** & Spreaders

		Description	Pack Size	Cat. No.	Price
		1.0 µl Calibrated Loop, Soft Type (Sterile), Green	50 x 20	E1412-0111	£48.3
	Sterile polystyrene loops with very flexible loop,	1.0 µl Calibrated Loop, Rigid Type (Sterile), Blue	50 x 20	E1412-0112	£34.9
	with rounded tip.	5.0 µl Calibrated Loop, Soft Type, Sterile, Red	50 x 20	E1412-5014	£38.3
	Available in three sizes, 1.0 µl, 5.0 µl and 10 µl.	5.0 µl Calibrated Loop, Rigid Type (Sterile), Blue	50 x 20	E1412-5012	£25.
	Batch and expiry date printed on the bag.	10 µl Calibrated Loop, Soft Type (Sterile), Sky Blue	50 x 20	E1412-1011	£48.3
1 0 0 0	)	10 μl Calibrated Loop, Rigid Type (Sterile), Blue	50 x 20	E1412-1012	£34.9

ORDER INFORMATION								
		Description	Pack Size	Cat. No.	Price			
)	Base length allows spreading over any type of petri dish and avoids contact with	L-Shaped Spreader, PS (Sterile), Blue, Individually Wrapped	500	E1412-1001	£64.38			
	dish walls.  Spreader extremity is	L-Shaped Spreader, PS (Sterile), Blue, Supplied in peel-packs of 5 spreaders	100 x 5	E1412-1005	£57.68			
	damaging media surface while spreading.	L-Shaped Spreader, PP (Sterile), Blue, Supplied in peel-packs of 25 spreaders	40 x 25	E1410-1025	£53.63			

# Pasteur Pipettes



### Polyethylene pipettes

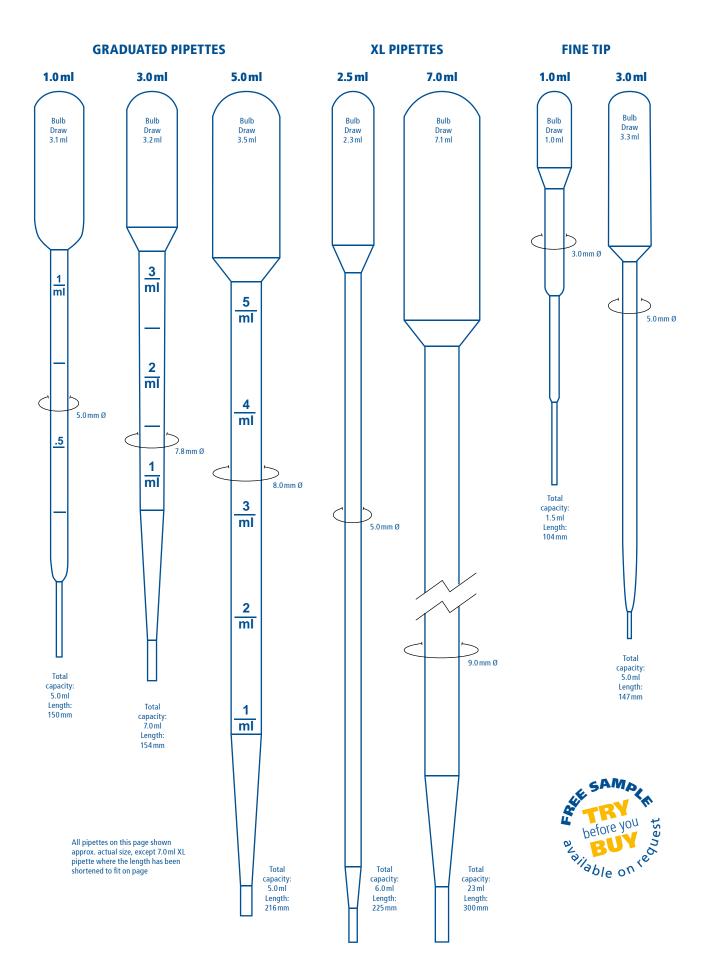
A range of polyethylene pipettes which are manufactured to ISO standards.

### **Features**

- ► Sterile and non-sterile options
- ► Low affinity surface
- ► Attached bulb avoids cross-contamination
- ► One-step biohazard disposal
- ► Shatter-proof low-density polyethylene, which is nontoxic and inert
- ► Can be frozen in liquid nitrogen
- ► Sterile pipettes are supplied in peel-back packs printed with the Lot No. and expiration date

154 mm  216 mm  XL Pasteui	Bulb Draw eur Pipettes  3.1 ml  3.2 ml  3.5 ml  Pipettes	5.0 mm 7.8 mm 8.0 mm	500 25 x 20 500 500 25 x 20 500 25 x 20 500	E1414-0100 E1414-0110 E1414-0111 E1414-0300 E1414-0310 E1414-0311 E1414-0500	f12.13 f25.67 f39.20 f12.13 f25.67 f39.20 f21.71
154 mm  154 mm  216 mm  XL Pasteui	3.1 ml 3.2 ml	7.8 mm	25 x 20 500 500 25 x 20 500	E1414-0110 E1414-0111 E1414-0300 E1414-0310 E1414-0311	£25.67 £39.20 £12.13 £25.67 £39.20
154 mm 216 mm XL Pasteui	3.2 ml	7.8 mm	25 x 20 500 500 25 x 20 500	E1414-0110 E1414-0111 E1414-0300 E1414-0310 E1414-0311	£25.67 £39.20 £12.13 £25.67 £39.20
154 mm 216 mm XL Pasteui	3.2 ml	7.8 mm	500 500 25 x 20 500	E1414-0111  E1414-0300  E1414-0310  E1414-0311	£39.20 £12.13 £25.67 £39.20
216 mm	3.5 ml		500 25 x 20 500	E1414-0300 E1414-0310 E1414-0311	£12.13 £25.67 £39.20
216 mm	3.5 ml		25 x 20 500	E1414-0310 E1414-0311	f25.67 f39.20
216 mm	3.5 ml		500	E1414-0311	£39.20
XL Pasteui		8.0 mm		1	
XL Pasteui		8.0 mm	250	E1414-0500	£21.71
	Pipettes				
225 mm					
	2.3ml	5.0 mm	400	E1414-2500	£31.16
300 mm	7.1 ml	9.0 mm	100	E1414-0700	£36.52
ne Tip Past	ur Pipettes				
104 mm	1.0 ml	3.0 mm	400	E1414-1100	£52.74
104 mm	1.0 ml	3.0 mm	500	E1414-1111	£170.27
			500	E1414-1300	£40.61
144 mm	3.3 ml	5.0 mm	25 x 20	E1414-1310	£44.70
			500	E1414-1311	£108.29
	104 mm 104 mm	104mm 1.0 ml	104 mm 1.0 ml 3.0 mm	104mm 1.0 ml 3.0 mm 500 144 mm 3.3 ml 5.0 mm 25 x 20	104mm 1.0ml 3.0mm 500 E1414-1111  500 E1414-1300 25 x 20 E1414-1310





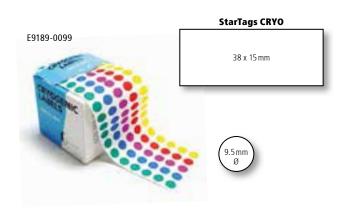
# Spatulas & Weigh Boats

ORDER INFORMATION								
		Description	Pack Size	Cat. No.	Price			
		140 mm SmartSpatula®, Anti-Static	300	E1412-7200	£25.10			
Spatulas	Why risk the potential of cross- contamination with conventional	140 mm EcoSpatula®	300	E1412-7201	£38.76			
feature	propylene spatulas increase efficiency and reduce the risk tula of costly, accidental cross-	210 mm SmartSpatula®, Blue	300	E1412-7202	£35.41			
a scoop end and		210 mm SmartSpatula®	300	E1412-7203	£35.41			
a spatula end		210 mm SmartSpatula® (Sterile)	100	E1412-7204	£147.60			
enu			150	E1412-7205	£33.96			

EcoSpatula® is made with EcoPure additive which helps promote biodegradation.

	ORDER INFORMATION									
		Description	Pack Size	Cat. No.	Price					
		White We	eigh Boats							
/		5.0 ml Diamond Weigh Boat (40 x 60 mm)	4 x 250	E3300-0050	£24.02					
		7.0 ml Square Weigh Boat (44 x 44 mm)	4 x 250	E3300-0070	£24.02					
	e de la companya della companya della companya de la companya della companya dell	30 ml Diamond Weigh Boat (65 x 87 mm)	2 x 250	E3300-0030	£25.30					
	M 6 . 16 1111	100 ml Square Weigh Boat (80 x 80 mm)	4 x 250	E3300-0010	£49.33					
	Manufactured from high impact polystyrene. Non wettable with	100 ml Diamond Weigh Boat (126 x 100 mm)	250	E3300-0011	£26.56					
	smooth surgace and rounded corners. Wide rim boats, all with	250 ml Square Weigh Boat (138 x 138 mm)	4 x 250	E3300-0025	£94.87					
	flat bottoms. Anti-static treatment	Black Weigh Boats								
O	minimises powder hang- up.	5.0 ml Diamond Weigh Boat (40 x 60 mm)	4 x 250	E3300-0058	£28.86					
	Available in white or black.	7.0 ml Square Weigh Boat (44 x 44 mm)	4 x 250	E3300-0078	£28.86					
		30 ml Diamond Weigh Boat (65 x 87 mm)	2 x 250	E3300-0038	£30.37					
		100 ml Square Weigh Boat (80 x 80 mm)	4 x 250	E3300-0018	£59.23					
		100 ml Diamond Weigh Boat (126 x 100 mm)	250	E3300-0118	£31.88					
		250 ml Square Weigh Boat (138 x 138 mm)	4 x 250	E3300-0028	£113.8					

# Cryogenic Labels



### Pre-cut labels for ultra-low temperatures

- ► Temperature use: -196°C to 100°C
- ▶ Use on polypropylene, glass, polycarbonate and metal
- ▶ Brightly coloured spots mean you can identify your samples whilst they are still in the box!

ORDER INFORMATION								
Description Pack Size Cat. No. Price								
9.5 mm diam. Cryogenic Spots, Mixed	5000/Roll	E9189-0099	£53.14					
StarTag Cryo (38 x 15 mm), White 1000/Roll E9189-3009 £29.55								
NOTE: Labels must be applied to dry, unfrozen sample vials etc at room temperature.								

# **Laboratory** Labels

### StarTags: One label you'll want to stick with!

Pre-cut labels that will accept any form of marker pen and will stick permanently in most conditions. StarTags are suitable for use in the freezer, centrifuge, waterbath, thermal cycler, shaker or vortexer. Laser sheets are available in some options, allowing you to print out large numbers of labels which is both time saving and convenient.



### **Features**

- ► Suitable for autoclaving, boiling and freezing down to -85°C
- ► Sticks permanently to all forms of tubes, plates, vials and bottles
- ► Leaves no sticky residue once removed

ORDER INFORMATION								
Description	Colour	Pack Type	Labels per Pack	Cat. No.	Price			
9.5 mm diam. Spots	Blue	Roll	2000	E9185-0001	£18.32			
9.5 mm diam. Spots	Green	Roll	2000	E9185-0002	£18.32			
9.5 mm diam. Spots	Orange	Roll	2000	E9185-0003	£18.32			
9.5 mm diam. Spots	Red	Roll	2000	E9185-0004	£18.32			
9.5 mm diam. Spots	Yellow	Roll	2000	E9185-0006	£18.32			
9.5 mm diam. Spots	White	Roll	2000	E9185-0009	£18.32			
Large (32.5 x 12.5 mm)	White	Roll	1000	E9187-1009	£18.32			
Large (32.5 x 12.5 mm)	White	A4 Laser Sheets	1980¹	E9187-2016	£42.23			
Medium (24 x 12.5 mm)	White	Roll	1000	E9188-1009	£18.32			
Medium (24 x 12.5 mm)	White	A4 Laser Sheets	2016²	E9185-2240	£42.23			
Small (20 x 6.0 mm)	White	Roll	1000	E9188-8699	£18.32			

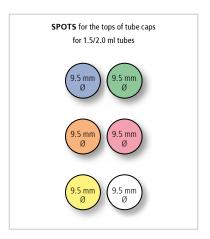
NOTE: Labels must be applied to dry, unfrozen samples at room temperature. StarTags are not suitable for use with low-retention/ siliconised tubes. A4 Laser Sheets are supplied with set-up instructions for MS Word and these can be downloaded from the STARLAB website. Sheet labels are only suitable for use with laser printers and cannot be used with bubble jet printers.

### StarTags dispenser

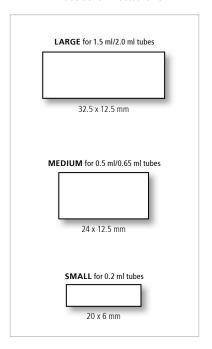
Blue acrylic dispenser that holds up to seven boxes of StarTags. Rubber feet on base prevents slipping.



ORDER INFORMATION							
Description	Cat. No.	Price Each					
StarTags Acrylic Dispenser	E9199-0000	£69.41					
Dimensions (WxDxH): 280 x 120 x 89 mm.							



All labels shown actual size



FINE POINT PEN							
Description	Cat. No.	Price Each					
Fine Point Pen for use with all StarTags	E9186-9987	£2.79					



<sup>&</sup>lt;sup>1</sup> 90 labels per sheet / 22 sheets per pack <sup>2</sup> 126 labels per sheet / 16 sheets per pack

# **Laboratory** ID Tape



### Dispense with disorganisation!

Organise and identify your samples more easily by colour-coding with STARLAB ID Tape. There's plenty to choose from with two different lengths of tape in three different widths, and all in eight different colours.

### **Dispenser Features**

- ▶ One dispenser fits all! The acrylic dispenser holds both lengths of tape
- ► Suction feet ensure the dispenser stays firmly on the bench, even when using one hand to dispense the tape
- Core inserts for 55 m long tape available separately





- 1. 12.7 m Tape The internal aperture of the smaller rolls fit in the dispenser without the need for a Core Insert
- 2. 55 m Tape The large rolls must have a Core Insert pushed into the aperture for use in the dispensel
- 3. Core Insert

ORDER INFORMATION						
Description	Cat. No.	Price				
ID Tape Dispenser (Pack comprises 1 Dispenser & 5 Core Inserts)	E9026-0000	£67.79				
ID Tape Core Inserts, Pack of 5 (For use with 55 m long tapes)	E9026-2005	£11.28				

Dispenser dimensions (WxDxH): 205 x 185 x 125 mm.



- 1. 12.7 m roll with small internal aperture (25 mm)
- 2. 55 m roll with large internal aperture (75 mm)

### **ID Tape Features**

- ▶ Suitable for use in the freezer, the fridge, the incubator and in the autoclave (-20 °C to 121 °C)
- ▶ Use on glass, plastic, metal, paper, rubber and any other dry surface
- Oil, water and acid resistant
- Paper-based tape that can be written on with pen, pencil or Lab Marker
- Leaves no adhesive residue when removed
- Available in individual rolls or in economical multi-packs of eight (one of each colour)

			ORDER INFORMATION							8-PACK
				<b>@</b>	A.		<b>3</b> 3	TO VO	966	
TAPE LENGTH	TAPE WIDTH	Blue	Green	Orange	Red	Violet	Yellow	Pink	White	Mixed <sup>2)</sup>
	12.7 mm	E9127-1271 £4.25	E9127-1272 £4.25	E9127-1273 £4.25	E9127-1274 £4.25	E9127-1275 £4.25	E9127-1276 £4.25	E9127-1270 £4.25	E9127-1279 £4.25	E9127-1278 £32.14
	19.0 mm	E9127-1911 £5.84	E9127-1912 £5.84	E9127-1913 £5.84	E9127-1914 £5.84	E9127-1915 £5.84	E9127-1916 £5.84	E9127-1910 £5.84	E9127-1919 £5.84	E9127-1918 £43.69
	25.4 mm	E9127-2501 £7.44	E9127-2502 £7.44	E9127-2503 £7.44	E9127-2504 £7.44	E9127-2505 £7.44	E9127-2506 £7.44	E9127-2500 £7.44	E9127-2509 £7.44	E9127-2508 £57.77
	12.7 mm	E9055-1271 £11.02	E9055-1272 £11.02	E9055-1273 £11.02	E9055-1274 £11.02	E9055-1275 £11.02	E9055-1276 £11.02	E9055-1270 £11.02	E9055-1279 £11.02	E9055-1278 £84.47
55 m <sup>1)</sup>	19.0 mm	E9055-1911 £15.54	E9055-1912 £15.54	E9055-1913 £15.54	E9055-1914 £15.54	E9055-1915 £15.54	E9055-1916 £15.54	E9055-1910 £15.54	E9055-1919 £15.54	E9055-1918 £115.41
	25.4 mm	E9055-2501 £18.20	E9055-2502 £18.20	E9055-2503 £18.20	E9055-2504 £18.20	E9055-2505 £18.20	E9055-2506 £18.20	E9055-2500 £18.20	E9055-2509 £18.20	E9055-2508 £139.85
			in the CTADLAD	1.						

<sup>55</sup> m long tape requires a core insert for use in the STARLAB dispenser.

# BMP<sup>™</sup>21-LAB Label Printer & Cartridges



### Tough, portable printing for the laboratory environment

BMP™21-LAB portable printer has a tough exterior with smart printing capabilities. High quality label materials designed specifically for the lab environment create durable, professional looking labels for your samples and beyond.

#### **Features**

- ► Label materials for applications such as cryogenic vials and slides
- Commonly used Greek symbols
- Barcoding
- Auto-label function cuts label according to the size of the vial
- Automated serialisation
- ► ABC keypad, graphics library, hot keys and menu functions for fast label creation
- ► Time and date stamp
- Quick and easy cartridge loading
- Three-line LCD display for clear visibility
- Automatic shut-off saves life of the batteries

PRINTER SPECIFICATIONS					
Print Method / Resolution	Thermal Transfer (Durable. Non-Smearing). 203 dpi				
Display	3-line LCD				
Label Type	Continuous				
Max. Labels per day 75					
Max. Label Width	19mm (max print width 16mm)				
Print speed	10 mm per second				
Barcoding	Yes. 1D (Linear) (On 19.1 mm labels only)				
Keyboard	ABC				
Memory	Stores 12 files				
Power Source	6 x AA Batteries (not incl.) or optional AC Adaptor				
Weight	0.75 kg				
Dimensions	125 x 235 mm				

ORDER INFORMATION							
Description	Cat. No.	Price					
Brady® BMP™21-LAB Label Printer	N3000-2000	£143.41					
AC Adaptor (optional)	N3000-2001	£50.90					

Printer supplied with B-7425 Polypropylene label cartridge (N7519-7425) ready installed. BMP™21-LAB is designed for portability and runs on 6 x AA batteries (not included). Mains electricity can also be used with the optional AC Adaptor available separately.





	ORDEF	RINFORM	/IATION		
Description	Colour	Width	Length	Cat. No.	Price
B-595 Vinyl	Various*	9.5 mm	6.4 m	N3795-439#*	£24.99
B-595 Vinyl	White	9.5 mm	6.4 m	N3795-4399	£24.99
B-461 Polyester <sup>1</sup>	White	9.5 mm	6.4 m	N3795-4619	£30.94
B-461 Polyester¹	White	12.7 mm	6.4 m	N5127-4619	£33.35
B-461 Polyester <sup>1</sup>	White	19.1mm	6.4 m	N7519-4619	£38.15
B-488 Polyester	White	9.5 mm	6.4 m	N3795-4889	£26.47
B-488 Polyester	White	12.7 mm	6.4 m	N5127-4889	£31.18
B-488 Polyester	White	19.1 mm	6.4 m	N7519-4889	£35.84
B-499 Nylon¹	White	9.5 mm	4.8 m	N3795-4999	£29.26
B-499 Nylon¹	White	12.7 mm	4.8 m	N5127-4999	£32.39
B-499 Nylon¹	White	19.1 mm	4.8 m	N7519-4999	£34.87
B-7425 Polypropylene <sup>1</sup>	White	9.5 mm	6.4 m	N3795-7425	£36.14
B-7425 Polypropylene <sup>1</sup>	White	12.7 mm	6.4 m	N5127-7425	£40.73
B-7425 Polypropylene <sup>1</sup>	White	19.1 mm	6.4 m	N7519-7425	£45.31

		L	ABEL A	PPLICAT	IONS			
Freezer	Liquid Nitrogen	Autoclave		Low- Profile	Bar- cod-	For the	labellin	g of:
(-80°C)	(-196°C)	(121°C)	Baths (100°C)	(extremely thin)	ing	Vials	Slides	Plates
-40 °C min.						0.5 ml		✓
-40 °C min.						0.5 ml		✓
✓	✓	✓	✓	✓		0.5 ml		✓
✓	✓	✓	✓	✓		1.5 ml		✓
✓	✓	✓	✓	✓	✓	2.0 – 50 ml		✓
✓		✓				0.5ml	✓	✓
✓		✓				1.5 ml	✓	✓
✓		✓			✓	2.0 – 50 ml	✓	✓
✓	✓	✓				0.5 ml	✓	✓
✓	✓	✓				1.5ml	✓	✓
✓	✓	✓			✓	2.0 – 50 ml	✓	✓
✓	✓	✓	✓			0.5 ml	✓	✓
✓	✓	✓	✓			1.5 ml	✓	✓
✓	✓	✓	✓		✓	2.0 – 50 ml	✓	✓

<sup>\*</sup>To order colour required, replace # as last digit of Cat. No. with: 1 for blue, 2 for green, 3 for orange, 4 for red, 6 for yellow. ¹Acceptable for use in liquid nitrogen only if the ends of the label overlap. See page 96 for label material specifications All cartridges listed above also suitable for use with Brady LabPal™, BMP™21 and BMP™21-PLUS.

# **Brady** Label Material Specifications

	LABEL MATERIAL SPECIFICATIONS
B-595 Vinyl	Durable and flexible vinyl film with permanent acrylic pressure-sensitive adhesive that can be applied at cold temperatures (down to -18 °C).  Uses: ► Freezer (-40 °C)
B-461 Polyester <sup>1</sup>	Very low profile to prevent vials jamming in centrifuge or racks. Good solvent resistance. Stays put in the harshest conditions.  Uses: ► Liquid nitrogen (-196 °C). ► Freezer (-80 °C). ► Hot water bath (100 °C). ► Autoclave (121 °C).
B-488 Polyester	With permanent adhesion, outstanding chemical resistance and write-on capabilities, this material performs in the very harshest lab environments.  Uses: ► Freezer (-80 °C). ► Autoclave (121 °C).
B-499 Nylon	Ideal for general purpose labelling, the permanent adhesive and thicker construction makes this material durable yet easy to handle.  Uses: ► Liquid nitrogen (-196 °C) (not on glass). ► Freezer (-80 °C). ► Autoclave (121 °C).
B-7425 Polypropylene <sup>1</sup>	Resistant to extremely low and high temperatures and will even withstand a transfer from liquid nitrogen to boiling water.  Uses: ► Liquid nitrogen (-196°C). ► Freezer (-80°C). ► Hot water bath (100°C). ► Autoclave (121°C).
<sup>1</sup> Acceptable for use in lic	uid nitrogen only if the ends of the label overlap.

Label cartridges for use with Brady LabPal™, BMP™21 and BMP™21-PLUS are on page 95.

# Label Cartridges for LabXpert Printer

## **Label cartridges for LabXpert™ printer**

		(	ORDER	INFORMA	ATION				
Label	Label Material	Label Type	Colour	Labels per	Label D	imensior	ıs (mm)	Cat. No.	Price
Style	Label Waterial	Laber Type	Coloui	Cartridge	Α	В	С	Cat. No.	riice
1	B-461 Polyester <sup>1</sup>	Long Tail	White	500	4.75	38.10	17.78	N0108-4619	£53.10
1	B-461 Polyester <sup>1</sup>	Long Tail	White	225	12.70	44.45	19.05	N0072-4619	£68.26
1	B-461 Polyester <sup>1</sup>	Long Tail	White	175	12.70	55.88	19.05	N0074-4619	£59.02
1	B-461 Polyester <sup>1</sup>	Long Tail	White	150	15.24	66.68	25.40	N0086-4619	£59.02
2	B-499 Nylon	Free Standing	White	350	25.40	9.53	9.53	N0118-4999	£57.43
2	B-499 Nylon	Free Standing	White	300	25.40	12.70	11.18	N0117-4999	£70.38
3	B-499 Nylon	Free Standing	White	300	9.53			N0082-4999	£46.81
3	B-499 Nylon	Free Standing	Orange	300	9.53			N0082-4993	£57.63
3	B-499 Nylon	Free Standing	Yellow	300	9.53			N0082-4996	£57.63
4	B-461 Polyester <sup>1</sup>	Long/Short Tail*	White	100	38.10	95.25	31.75	N0119-4619	£53.99
4	B-461 Polyester <sup>1</sup>	Free Standing	White	200	48.26	6.35		N0081-4889	£50.57
5	B-461 Polyester <sup>1</sup>	Free Standing	White	400	22.86	22.86		N0097-4889	£85.94

		FO	R US	E WI	TH		
0.2 ml Tubes	0.5 / 0.65 ml Tubes	1.5/2.0 ml Tubes	1–8 ml Tubes	15 ml Tubes	50 ml Tubes	Plates	Slides
✓							
	✓						
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## Label Styles for LabXpert™















( www.starlab.click/labelling



	CELL SCRAPERS104
CELL CULTURE	
CytoOne® Overview98	CENTRIFUGE TUBES
	15 ml and 50 ml Centrifuge Tubes105
CELL CULTURE DISHES	
CytoOne® Dishes99	CELL STRAINERS106
CELL CULTURE PLATES	SYRINGE FILTERS107
CytoOne® Multiwell Plates 100–101	
	CELL CULTURE FILTRATION
CELL CULTURE FLASKS	CytoOne® Bottle Top
CytoOne® Flasks	Filtration Units 108–109
with Two-Position Plug Seal Caps102	CytoOne® Centrifuge Tube
CytoOne® Flasks	Filtration System 110–111
with Vented Filter Caps103	CytoOne® Media Bottles112

# CytoOne® – for optimum cell growth and handling



# Cell culture performance ware – your cells deserve the best!

CytoOne® offers certified testing and consistent surfaces made from optically clear, premium grade polystyrene.

CytoOne® also offers convenience with features like grippers on dishes and plates for secure handling, easy to open resealable packaging on flasks, and complete 360° chimney wells on plates to prevent cross contamination.

CytoOne® is available for adherent and suspension cells grown in dishes, flasks or plates. Outfit your cells with CytoOne® cell culture performance ware for optimum growth and handling.

The CytoOne® Filtration Systems are perfect for fast and contamination-free sterile filtration of cell culture media.



### CytoOne® testing and quality assurance

CytoOne® flasks, dishes, and plates are gamma sterilised and certified free of detectable RNase, DNase, DNA and Pyrogen. CytoOne® is produced in a cleanroom environment.



# CytoOne® products are put through stringent testing:

- ► Culture tests are preformed to assure proper cell attachment and growth
- ► Every flask is pressure tested for leak-free assurance
- ► Flasks, plates and dishes are tested for wettability and flatness, and visually inspected to eliminate defects and scratches

Outfit your cells for true performance with CytoOne®.



#### **STARLAB Quality**

As an ISO 9001 and 14001 certified company, working procedures and processes at STARLAB are checked and audited regularly and the quality of our products is continuously monitored.



# CytoOne® Dishes

### Secure handling

Available with tissue culture treatment for optimum cell attachment and growth or non-treated for suspension cultures. Bevelled outer edges on the 35 mm and 60 mm dish bases make these small dishes easier to handle without accidentally displacing the lids, even when stacking. The lids of the 150 mm dishes have four ergonomically placed grip tags for secure handling with less hand strain.

- ► Sturdy, flat bases resist bowing and warpingStacking rings with vented design for thermal equalisation
- ► Vented lids improve gas exchange
- ► All CytoOne dishes have untreated lids to minimise condensation
- ► Easy to open sleeves in convenient small pack sizes
- ► Gamma sterilised (SAL 10<sup>-5</sup>) and certified RNase, DNase, DNA and pyrogen free

ORDER	INFORMAT	ION	
Description	Pack Size	Cat. No.	Price
Т	C Treated		
35 x 10 mm CytoOne® Dish	10 × 30	CC7682-3340	£88.18
60 x 15 mm CytoOne® Dish	10 × 30	CC7682-3359	£94.05
100 x 20 mm CytoOne® Dish	10 × 30	CC7682-3394	£141.08
150 x 20 mm CytoOne® Dish	5 × 12	CC7682-3614	£94.05
No	on-Treated		
35 x 10 mm CytoOne® Dish	10 × 30	CC7672-3340	£82.29
60 x 15 mm CytoOne® Dish	10 × 30	CC7672-3359	£88.18
100 x 20 mm CytoOne® Dish	10 × 30	CC7672-3394	£129.32
150 x 20 mm CytoOne® Dish	5 × 12	CC7672-3614	£88.18



TECHNICAL SPECIFICATIONS				
Outer Dimensions x Height	Growth area	Inner dimension	Working volume	
35 x 10 mm	9.6 cm <sup>2</sup>	35 mm	2.0 ml	
60 x 15 mm	21 cm <sup>2</sup>	52 mm	5.0 ml	
100 x 20 mm	55 cm <sup>2</sup>	85 mm	10 ml	
150 x 20 mm	149 cm <sup>2</sup>	138 mm	30 ml	





The lids of the 150 mm dishes have four ergonomically placed grip tags (circled above) for secure handling with less strain



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

# CytoOne® Multiwell Plates



#### Tissue culture treated plates

- ► Provide optimum cell attachment and growth
- ➤ Suitable for both single-cell isolation work and upscaling

### Non-treated plates

- ► Ideal for hybridoma or lymphocyte culture
- ➤ Suitable for both single-cell isolation work and upscaling





One-way fit lids with condensation rings prevent cross contamination

### **Premium plates**

Choose tissue culture treated plates for optimum cell attachment and growth or non-treated for suspension cultures. The non-reversible lids have condensation rings to minimise contamination and are vented to improve gas exchange. Lids also feature support tabs that minimise surface contact when set aside or propped open and a frosted writing surface at one end for labelling.

All plates are manufactured from crystal clear premium grade, nontoxic virgin polystyrene and are supplied individually wrapped with the lot number on the packaging.

- ► Complete 360° chimney wells prevents crosscontamination and provides uniform temperature transfer across all wells
- Vented skirt reduces condensation and surface tension between stacked plates
- ► Optical clarity provides distortion-free microscopy
- Moulded alpha-numeric matrix
- ► Gamma sterilised (SAL 10<sup>-5</sup>) and certified RNase, DNase, DNA and Pyrogen free

ORDER INFORMATION				
	Pack Size	Cat. No.	Price	
Description		Cat. No.	Price	
	TC Treated			
6-Well CytoOne® Plate, TC-Treated	50	CC7682-7506	£70.53	
12-Well CytoOne® Plate, TC-Treated	50	CC7682-7512	£88.18	
24-Well CytoOne® Plate, TC-Treated	50	CC7682-7524	£94.05	
48-Well CytoOne® Plate, TC-Treated	50	CC7682-7548	£99.93	
96-Well CytoOne® Plate, TC-Treated	50	CC7682-7596	£105.80	
	Non-Treated	l		
6-Well CytoOne® Plate, Non-Treated	50	CC7672-7506	£64.67	
12-Well CytoOne® Plate, Non-treated	50	CC7672-7512	£74.67	
24-Well CytoOne® Plate, Non-Treated	50	CC7672-7524	£82.29	
48-Well CytoOne® Plate, Non-Treated	50	CC7672-7548	£94.05	
96-Well CytoOne® Plate, Non-Treated	50	CC7672-7596	£99.93	

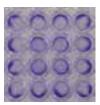
TECHNICAL SPECIFICATIONS					
Number of wells	Growth area	Working volume	Well diameter		
6 wells	9.4 cm <sup>2</sup>	2.0 ml	3.46 cm		
12 wells	3.8 cm <sup>2</sup>	1.5 ml	2.21 cm		
24 wells	1.9 cm <sup>2</sup>	1.0 ml	1.55 cm		
48 wells	0.76 cm <sup>2</sup>	0.5 ml	0.98 cm		
96 wells	0.32 cm <sup>2</sup>	0.2 ml	0.64 cm		



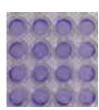
## Minimising the 'edge effect' with CytoOne®

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.

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 20-25 ml 12-well: 24-well: 20-25 ml 48-well: 20-25 ml 96-well: 10-12 ml

Tests were carried out on six other brands of 96-well tissue culture plates which were seeded and incubated under the same conditions as CytoOne®. All display an edge effect which could affect the integrity of our your data. Download the Product Data Sheet for full details: www.starlab.click/edgeeffect

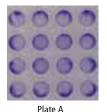




Plate B









NIH3T3 cells stained with Crystal-Violet after 24 hours at 37 °C, 5 % Co<sub>2</sub>. Initial seeding 0.01 x 106 cells per well.

## A perfect match -ErgoOne® Pipettes

Everyday, pipettes are confronted with multiple tasks that must be exact and precise. Reliability is key in the laboratory and your pipette must be trusted to perform well, day in, day out.



#### More details:

see pages 34–37 or visit www.starlab.click/manualpipettes

# CytoOne® Flasks with 2-Position Plug Seal Caps



#### **Pressure tested**

Choose tissue culture treated for optimum cell attachment and growth or non-treated for hybridoma and suspension cultures. The two-position plug seal cap lets you choose secure manual venting or an airtight seal. Flasks feature convenient moulded volume graduations and frosted writing surfaces. The T-25, T-75, and T-150 flasks have traceable lot numbers etched into the base.

- ▶ 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
- ► Gamma sterilised (SAL 10<sup>-5</sup>) and certified RNase, DNase, DNA and Pyrogen free

ORDER INFORMATION					
Description	Pack Size	Cat. No.	Price		
	TC Treated				
T-25 CytoOne® Flask, TC-Treated	30 × 10	CC7682-4325	£211.62		
T-75 CytoOne® Flask, TC-Treated	20 × 5	CC7682-4175	£141.08		
T-150 CytoOne® Flask, TC-Treated	8 × 5	CC7682-4415	£129.32		
T-225 CytoOne® Flask, TC-Treated	5 × 5	CC7682-4225	£117.57		
	Non-Treated	I			
T-25 CytoOne® Flask, Non-Treated	30 × 10	CC7672-4325	£164.59		
T-75 CytoOne® Flask, Non-Treated	20 × 5	CC7672-4175	£129.32		
T-150 CytoOne® Flask, Non-Treated	8 × 5	CC7672-4415	£113.27		
T-225 CytoOne® Flask, Non-Treated	5 × 5	CC7672-4225	£105.80		



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







Non-treated flasks can be identified by their white caps

# CytoOne® Flasks with Vented Filter Caps

#### Leak-free assurance

Tissue culture treated for optimum cell attachment and growth or non-treated for hybridoma and suspension cultures. The vented filter caps have a 0.2 µm hydrophobic membrane to exclude bacteria and fungal contaminates. Flasks feature convenient moulded volume graduations and frosted writing surfaces. The T-25, T-75, and T-150 flasks have traceable lot numbers etched into the base.

#### **Product features**

- ▶ 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
- ► Gamma sterilised (SAL 10<sup>-5</sup>) and certified RNase, DNase, DNA and Pyrogen free





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

ORD	ER INFORMA	ATION		
Description	Pack Size	Cat. No.	Price	
	TC Treated			
T-25 CytoOne® Flask, TC-Treated, Vented	30 × 10	CC7682-4825	£270.40	
T-75 CytoOne® Flask, TC-Treated, Vented	20 × 5	CC7682-4875	£188.11	
T-150 CytoOne® Flask, TC-Treated, Vented	8 × 5	CC7682-4815	£152.83	
T-225 CytoOne® Flask, TC-Treated, Vented	5 × 5	CC7682-4822	£129.32	
	Non-Treated	l		
T-25 CytoOne® Non-Treated Flasks, Vented	30 × 10	CC7672-4825	£260.00	
T-75 CytoOne® Non-Treated Flasks, Vented	20 × 5	CC7672-4875	£170.00	
T-150 CytoOne® Non-Treated Flasks, Vented	8 × 5	CC7672-4815	£120.00	
T-225 CytoOne® Non-Treated Flasks, Vented	5 × 5	CC7672-4822	£105.00	



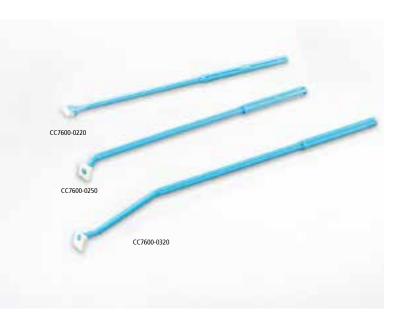
All flasks supplied in easy-open, resealable zip top bags to protect unused flasks

TECHNICAL SPECIFICATIONS (All Cap Types)					
Flack lyne Growth area Neck				Max. volume with neck	
T-25	25 cm <sup>2</sup>	canted	5 ml	70 ml	75 ml
T-75	75 cm <sup>2</sup>	canted	20 ml	279 ml	290 ml
T-150	150 cm <sup>2</sup>	canted	30 ml	591 ml	603 ml
T-225	225 cm <sup>2</sup>	angled	60 ml	1,006 ml	1,024 ml

www.starlab.click/flasks



# CytoOne® Cell Scrapers





#### Rich harvest!

CytoOne® scrapers comprise a gentle silicone blade and an ABS polymer handle for easy handling inside flasks. They are available in three sizes for cell harvesting in a variety of dishes, flasks or plates:

- ▶ 11 mm fixed blade with 220 mm straight handle for plates and dishes
- ► 10 mm pivoting blade with 250 mm single angle handle for small flasks
- ► 12 mm pivoting blade with 320 mm dual angle handle for larger flasks

- ► Silicone blade gently raises / lifts the cells from the surface so fewer cells are destroyed
- ► Soft silicone ensures better contact between the blade and the surface of the flask, dish or plate
- ► Pivoting blades pivot the full 360° around the handle for easy access to flask corners
- ► Flexible ABS handles for easy handling inside flasks
- ► Gamma sterilised (SAL 10<sup>-5</sup>)

ORDER INFORMATION				
Description	Pack Size	Cat. No.	Price	
220 mm CytoOne® Cell Scraper with 11 mm Fixed Blade	100	CC7600-0220	£144.26	
250 mm CytoOne® Cell Scraper with 10 mm Pivoting Blade	100	CC7600-0250	£137.39	
320 mm CytoOne® Cell Scraper with 12 mm Pivoting Blade	100	CC7600-0320	£144.26	



TECHNICAL SPECIFICATIONS				
Length	Handle	Blade Type	For use with	
220 mm	straight	fixed	plates, dishes	
250 mm	angled	pivoting	small flasks	
320 mm	dual-angled	pivoting	large flasks	



# 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<sup>-6</sup> 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 &



#### **Product features**

 Clear, sterile polypropylene tubes with green HDPE screw caps

50 ml: 12,000 x g and Skirted Tube 50 ml: 6,000 x g

- ► 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)	20 × 25	E1415-0100	£105.00		
15 ml Centrifuge Tube, Conical, Racked (Sterile)	20 × 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)	20 × 25	E1450-0100	£115.00	
50 ml Centrifuge Tube, Conical, Racked (Sterile)	20 × 25	E1450-0700	£120.00	
Skirted Tubes				
50 ml Centrifuge Tubes, Skirted, Loose (Sterile)	20 × 25	E1450-0400	£125.00	



# **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  $\mu m$ , 70  $\mu m$ , and 100  $\mu m$  color-coded mesh variants. Cell strainers are made from USP Class VI materials.

- ► 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 × 1	CC8111-0042	£89.50	
70 μm Cell Strainer, Yellow (Sterile)	50 × 1	CC8111-0072	£89.50	
100 μm Cell Strainer, White (Sterile)	50 × 1	CC8111-0102	£89.50	





**Cell Strainers with three different mesh sizes** Designed to fit perfectly into 50 ml centrifuge tubes



### **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.

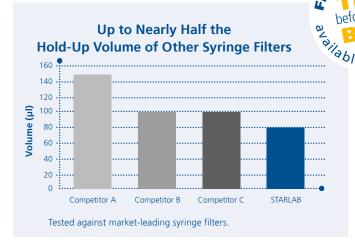
#### **Product features**

- ► 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	
F	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	
PI	VDF 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	
Cellulos	se Acetate Membrar	ie		
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



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  $\mu l$  - 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.

### 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<sup>™</sup> 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-cytoxic and pyrogen free

- 1. Dust cap with writing surface
- 2. Large raised volume graduations
- 3. Low protein binding PES filter with large surface area
- Skirted funnel base surrounds the Quick-Connect<sup>™</sup> 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



ORE	ER 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
0.4	5 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!

ORE	DER 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
0.4	15 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



1000 ml

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<sup>™</sup> Pedestal or Cradle Ring which provides on/off vacuum flow control. Quick-Connect<sup>™</sup> 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<sup>-6</sup>)
- 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 Membra	ane		
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	



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

New!

New!

- ▶ 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

## 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<sup>™</sup> 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	





### **STORAGE BOXES & RACKS**

Cardboard Storage Boxes ...... 114 – 115 Polypropylene Storage Boxes.....116-118

Bijoux Storage Box	118	FKEEZEK
Cryogenic Storage Boxes & Racks	119–120	Freezer Rack
Storage Racks	121–122	Freezer Rac
Multi-Tube Racks	123–124	Stainless Ste
PCR Sample Racks	125	Custom-Ma
BENCHTOP COOLERS		SLIDE STO
Chiller Racks		Slide Storag
Cooler Containers	126	Slide Storag
		_
Transport Cases & Coolers		_

### RACKING

Freezer Racking for Upright Freezers 12	28-131
Freezer Racking for Chest Freezers	132
Stainless Steel Freezer Storage	133
Custom-Made Freezer Racking	133

### RAGE

Slide Storage Cabinets	134
Slide Storage Trays	134
Slide Mailers	134

# **Cardboard** Storage Boxes

A range of cardboard storage boxes with a standard 133 x 133 mm footprint, available in four heights. Moisture-resistant coating makes the boxes a durable yet economical storage solution. Available in five colours to help you colour code your samples.

Description	Box Colour	Pack Size	Cat. No.	Price	
32 mm High	Cardboard Bo	xes			
	White	6	A9632-0000	£15.21	
Box only 32 mm high cardboard storage box only (no dividers)	Blue Green Red Yellow	6	A9632-0001 A9632-0002 A9632-0004 A9632-0006	£16.62	
<b>196-place</b> cardboard storage box with removable 14x14 dividers for tubes up to 8.0 mm diameter, eg. 0.5 ml PCR or microcentrifuge tubes	White	6	A9632-1969	£21.37	
	Blue Green Red Yellow	6	A9632-1961 A9632-1962 A9632-1964 A9632-1966	£23.14	
	White	6	A9632-2569	£21.37	
256-place cardboard storage box with removable 16x16 dividers for tubes up to 7.0 mm diameter, eg. 0.2 ml PCR tubes.	Blue Green Red Yellow	6	A9632-2561 A9632-2562 A9632-2564 A9632-2566	£23.14	





**IMPORTANT:** The maximum number of tubes that will fit into each box depends on the size of the tube's cap. For example, if using tubes with a cap wider than 12mm in the 100-place box it may restrict all 100 spaces being used.

ORDER INFORMATION				
Description	Box Colour	Pack Size	Cat. No.	Price
50 mn	n High Boxes			
Box only	White	6	A9623-0000	£15.21
50 mm high cardboard storage box only (no dividers)	Blue Green Red Yellow	6	A9623-0001 A9623-0002 A9623-0004 A9623-0006	£16.62
	White	6	A9623-1616	£22.43
<b>16-place</b> cardboard storage box with removable 4x4 dividers for tubes up to 31 mm diameter	Blue Green Red Yellow	6	A9623-1601 A9623-1602 A9623-1604 A9623-1606	£23.74
	White	6	A9623-2525	£22.43
<b>25-place</b> cardboard storage box with removable 5x5 dividers for tubes up to 24.5 mm diameter, eg. 7.0 ml bijou containers	Blue Green Red Yellow	6	A9623-2501 A9623-2502 A9623-2504 A9623-2506	£23.74
	White	6	A9623-4949	£22.43
<b>49-place</b> cardboard storage box with removable 7x7 dividers for tubes up to 16.5 mm diameter, eg. 1.2 / 2.0 ml cryogenic vials	Blue Green Red Yellow	6	A9623-4901 A9623-4902 A9623-4904 A9623-4906	£23.74
81-place cardboard storage box with removable	White	6	A9623-8181	£22.43
9x9 dividers for tubes up to 13 mm diameter, eg. 1.5/2.0 ml microcentrifuge tubes, screw cap microtubes, 1.2/2.0 ml cryogenic vials with internal thread	Blue Green Red Yellow	6	A9623-8101 A9623-8102 A9623-8104 A9623-8106	£23.74
	White	6	A9623-3100	£22.43
<b>100-place</b> cardboard storage box with removable 10x10 dividers for tubes up to 12 mm diameter, eg. screw cap microtubes	Blue Green Red Yellow	6	A9623-3101 A9623-3102 A9623-3104 A9623-3106	£23.74

NOTE: Order by the case (36 boxes) to save both money and transport emissions. See website for details.

The 50mm high boxes can be used in the freezer racking on pages 128–129 and page 132.

The 50mm, 75mm and 100m high boxes can be used in the racking for our **Underbench Freezer**- see page 151.





ORDER BY THE CASE to save packing materials and transport emissions. See website for ordering details.

ORDER IN	IFORMATIO	N		
Description	Box Colour	Pack Size	Cat. No.	Price
75 mm	n High Boxes			
_	White	6	A9625-0000	£15.95
<b>Box only</b> 75 mm high cardboard storage box only (no dividers)	Blue Green Red Yellow	6	A9625-0001 A9625-0002 A9625-0004 A9625-0006	£17.81
	White	6	A9625-1616	£29.05
<b>16-place</b> cardboard storage box with removable 4x4 dividers for tubes up to 31 mm diameter	Blue Green Red Yellow	6	A9625-1601 A9625-1602 A9625-1604 A9625-1604	£30.27
	White	6	A9625-2525	£29.05
<b>25-place</b> cardboard storage box with removable 5x5 dividers for tubes up to 24.5 mm diameter	Blue Green Red Yellow	6	A9625-2501 A9625-2502 A9625-2504 A9625-2506	£30.27
	White	6	A9625-4949	£29.05
<b>49-place</b> cardboard storage boxes with removable 7x7 dividers for tubes up to 16.5 mm diameter, eg. 3.0/4.0 ml cryogenic vials and 12x75 tubes	Blue Green Red Yellow	6	A9625-4901 A9625-4902 A9625-4904 A9625-4906	£30.27
81-place cardboard storage box with removable	White	6	A9625-8181	£29.05
9x9 dividers for tubes up to 13 mm diameter, eg. 3.0/4.0 ml cryogenic vials with internal thread and 12x75 tubes	Blue Green Red Yellow	6	A9625-8101 A9625-8102 A9625-8104 A9625-8106	£30.27
	White	6	A9625-3100	£29.05
<b>100-place</b> cardboard storage box with removable 10x10 dividers for tubes up to 12 mm diameter	Blue Green Red Yellow	6	A9625-3101 A9625-3102 A9625-3104 A9625-3106	£30.27

	N		
Box Colour	Pack Size	Cat. No.	Price
mm High Boxes			
White	6	A9627-0000	£24.43
Blue Green Red Yellow	6	A9627-0001 A9627-0002 A9627-0004 A9627-0006	£27.31
White	6	A9627-1616	£38.39
Blue Green Red Yellow	6	A9627-1601 A9627-1602 A9627-1604 A9627-1606	£40.96
White	6	A9627-2525	£38.39
Blue Green Red Yellow	6	A9627-2501 A9627-2502 A9627-2504 A9627-2506	£40.96
White	6	A9627-4949	£38.39
Blue Green Red Yellow	6	A9627-4901 A9627-4902 A9627-4904 A9627-4906	£40.96
White	6	A9627-8181	£38.39
Blue Green Red Yellow	6	A9627-8101 A9627-8102 A9627-8104 A9627-8106	£40.96
White	6	A9627-3100	£38.39
Blue Green Red Yellow	6	A9627-3101 A9627-3102 A9627-3104 A9627-3106	£40.96
	mm High Boxes  White  Blue Green Red Yellow  White  Blue Green Red Yellow	mm High Boxes  White 6 Blue Green Red Yellow White 6 Blue Green Red Red Yellow White 6 Blue Green Red Red Fellow White 6 Blue Green Red Red Red Green Red Red Green Red	mm High Boxes           White         6         A9627-0000           Blue         A9627-0001         A9627-0002           Red         A9627-0004         A9627-0006           White         6         A9627-1616           Blue         A9627-1601         A9627-1602           Green         6         A9627-1604           Yellow         A9627-1604         A9627-1606           White         6         A9627-2502           Red         A9627-2503         A9627-2504           Yellow         A9627-2504         A9627-2504           Yellow         A9627-2504         A9627-2504           White         6         A9627-2504           A9627-2506         White         6         A9627-2504           Yellow         A9627-4901         A9627-4901         A9627-4902           Red         A9627-4904         A9627-4904         A9627-4906           White         6         A9627-8101         A9627-8101           Red         A9627-8104         A9627-8104         A9627-8104           White         6         A9627-3100         A9627-3100           Blue         Green         A9627-3100         A9627-3104

### 50 mm High Cardboard Storage Box with 136 x 136 mm footprint

The slightly larger footprint of these storage boxes provides more space for microcentrifuge tubes with larger lids, to allow the full 100 tubes to fit into the box. The 50 mm high box is supplied with or without 10x10 removable dividers for tubes up to 12.25 mm diameter



O	RDER II	NFORMATIO	V
Box Colour	Pack Size	Cat. No.	Price
	В	ox only	
White	6	A9650-0000	£15.43
Blue Green Red Yellow	6	A9650-0001 A9650-0002 A9650-0004 A9650-0006	£16.86
Во	x with 1	00-Place Divide	ers
White	6	A9650-1369	£22.56
Blue Green Red Yellow	6	A9650-1361 A9650-1362 A9650-1364 A9650-1366	£24.94

Dimensions (WxDxH): 136 x 136 x 53 mm (with lid). Max tube diam. stated includes tube's cap. Can be used in the freezer racking on pages 128–129 and page 132.

### **Cardboard Storage box for** 15 ml & 50 ml Centrifuge Tubes

36-place for 15 ml tubes or 16-place for 50 ml tubes. Manilla cardboard box with lift-off lid. Removable dividers. Moisture resistant coating. Max. tube height: 140 mm.



ORDER INFORMATION					
Box Type	Pack Size	Cat. No.	Price		
36-Place (15 ml Tubes)	1	19023-1615	£8.48		
16-Place (50 ml Tubes)	1	19023-1650	£8.48		

Dimensions (WxDxH): 145 x 145 x 80 mm (with lid). Tubes not included.

## Polypropylene Storage Boxes

### The StarStore 130 x 130 mm range for freezer storage

The range of StarStore storage boxes below all have the same, standard 130 mm x 130 mm footprint. The non-hinged, lift-off lids enable tubes of varying heights to be stored inside. All boxes are made from rigid polypropylene and are suitable for use in temperatures -90°C to 121°C. Polypropylene provides high chemical resistance. Autoclavable.

	Description	Colour	Pack Size	Cat. No.	Price
	StarStore 81	Natural	5	I 2381-5040	£25.
	81-place polypropylene storage box with fixed	Black	5	I 2381-5049	£28.
	9x9 dividers for tubes up to 13 mm eq. 1.5/2.0 ml microcentrifuge tubes or screw cap	Neon Blue	5	I 2381-5041	£26.
	microtubes.	Neon Green	5	I 2381-5042	£26.
	Transparent lift-off lid with frosted writing panel on side.	Neon Orange	5	I 2381-5043	£26.
	Vent holes in base to aid draining and lid removal.  Printed reference grid on base.	Neon Pink	5	I 2381-5044	£26.
	Dimensions (WxDxH): 130 x 130 x 45 mm	Neon Yellow	5	I 2381-5046	£26.
	Max. tube height: 60 mm	Neon Mixed <sup>1)</sup>	5	I 2381-5048	£26.
• 80	StarStore 49  49-place polypropylene storage box with fixed 7x7 dividers for tubes up to 16 mm.  Transparent lift-off lid with frosted writing panel on side. Vent holes in base to aid draining and lid removal. Dimensions (WxDxH): 130 x 130 x 46 mm  Max. tube height: 60 mm	Natural	5	E2349-5009	£39.
2777	StarStore  Polypropylene storage box with no dividers for the storage of various tube shapes and sizes.  Transparent lift-off lid. Vent holes in base to aid draining and lid removal.  Dimensions (WxDxH): 130 x 130 x 45 mm	Natural	5	E2300-5005	£39.



The storage boxes above can be used in the freezer racking on pages 128–129 and page 132.



100-place long, polypropylene storage box. Temperature use: -90°C to 121°C. Autoclavable.

	ORDER INFORMATION				
	Description	Colour	Pack Size	Cat. No.	Price
	100-place polypropylene storage box with fixed 5x20 dividers for tubes up to 13 mm	Natural	5	E2100-1100	£23.1
Office .		Blue	5	E2100-1101	£23.1
	eg. 1.5/2.0 ml microcentrifuge tubes or screw cap microtubes.	Green	5	E2100-1102	£23.1
ST.	Lift-off lid with moulded matrix.	Red	5	E2100-1104	£23.1
	Dimensions (WxDxH): 76 x 287 x 36 mm Max. tube height: 50 mm	Black*	5	E2100-1108	£23.1

Polypropylene provides high chemical resistance. Temperature use: -90 °C to 121 °C. Autoclavable.

Tubes not included.  $^{1)}\!$ Mixed pack contains one of each neon colour.

	ORDER INFORMATION				
	Description	Colour	Pack Size	Cat. No.	Price
		Natural	5	I 2310-5800	£24.72
Moulded	StarStore 100	Neon Blue	5	I 2310-5841	£26.04
Matrix	Matrix  100-place polypropylene storage box with fixed 10x10 dividers for tubes up to 13 mm eg. 1.5/2.0 ml microcentrifuge tubes, screw cap microtubes.	Neon Green	5	I 2310-5842	£26.04
		Neon Orange	5	I 2310-5843	£26.04
	Hinged, lockable lid with positioning lugs for	Neon Pink	5	I 2310-5844	£26.04
	stable stacking. Moulded reference grid inside. Dimensions (WxDxH): 140 x 155 x 55 mm	Neon Yellow	5	I 2310-5846	£26.04
	E	Mixed Neon <sup>1)</sup>	5	I 2310-5848	£25.24
		·	StarStore 100 boxes can be with the freez racking on pa	used zer	

	ORDER INFORMATION						
	Description	Colour	Pack Size	Cat. No.	Pric		
		Natural	5	I 2350-5800	£20.		
	StarStore 50 Neon, Hinged	Neon Blue	5	I 2350-5841	£23.		
1000	50-place polypropylene storage box with fixed 5x10 dividers for tubes up to 13 mm	Neon Green	5	I 2350-5842	£23.		
ATTENDED	eg. 1.5/2.0 ml microcentrifuge tubes, screw cap microtubes.	Neon Orange	5	I 2350-5843	£23.		
The second second	Hinged, lockable lid with positioning lugs for stable	Neon Pink	5	I 2350-5844	£23.		
A. A	stacking Moulded reference grid inside. Dimensions (WxDxH): 140 x 80 x 55 mm	Neon Yellow	5	I 2350-5846	£23.		
	Similarions (WABAN). 140 A GG A 33 min	Mixed Neon <sup>1)</sup>	5	I 2350-5848	£21.		
A STATE OF THE STA	StarStore 50 (Stackable)	Natural	5	E2450-5000	£39.		
	50-place polypropylene storage box with fixed 5x10 dividers for tubes up to 13 mm	Blue	5	E2450-5001	£39.		
	eg. 1.5/2.0 ml microcentrifuge tubes.	Green	5	E2450-5002	£39.		
	Lift-off lid with positioning lugs for stable stacking.  Dimensions (WxDxH): 144 x 75 x 35 mm  Max. tube height: 45 mm	Pink	5	E2450-5004	£39.		
		Yellow	5	E2450-5006	£39.		
River of	StarStore 50 50-place polypropylene storage box with fixed 5x10 dividers for tube up to 13 mm eg. 1.5/2.0 ml microcentrifuge tubes. Transparent, lift-off lid. Dimensions (WxDxH): 146 x 76 x 38 mm	Natural	5	E2350-5009	£19.		
-	StarStore 50 Jr 50-place polypropylene storage box with fixed 5x10 dividers for tubes up to 10 mm eg. 0.5ml microcentrifuge or PCR tubes. Lift-off lid with moulded matrix. Dimensions (WxDxH): 121 x 62 x 37 mm Max. tube height: 60 mm	Natural	5	E2305-6009	£18.		

### Polypropylene Storage Boxes

### 100- and 200-place high-profile storage boxes

High-profile boxes suitable for use with screw cap microtubes (see pages 60-61) and other taller tubes up to 53 mm high.

	ORDER INFORMATION				
	Description	Colour	Pack Size	Cat. No.	Price
The same of the sa	200-place 200-place polypropylene storage box with fixed 10x20 dividers for tubes up to 12.5 mm eg. screw cap microtubes.	Natural	5	E2200-1000	£77.17
	Moulded reference grid inside. Hinged lid with positioning lugs for stable stacking.  Dimensions (WxDxH): 275 x 155 x 64 mm  Max tube height: 53 mm	Black <sup>1)</sup>	5	E2200-1008	£77.17
	100-place	Natural	5	E2100-5000	£46.25
	100-place polypropylene storage box with fixed	Blue	5	E2100-5001	£46.25
	10x10 dividers for tube up to 12.5 mm	Green	5	E2100-5002	£46.25
	eg. screw cap microtubes.	Red	5	E2100-5004	£46.25
	Moulded reference grid inside. Hinged lid with positioning lugs for stable stacking.	Yellow	5	E2100-5006	£46.25
	Dimensions (WxDxH): 140 x 155 x 64 mm Max tube height: 53 mm	Black <sup>1)</sup>	5	E2100-5008	£46.25
es not included. <sup>1)</sup> Black box completely blocks out	light for light-sensitive samples.				1

### Centrifuge tube storage / transport boxes

Polypropylene storage boxes. Temperature use: -90°C to 121°C. Autoclavable.

	ORDER INFORMATION				
	Description	Colour	Pack Size	Cat. No.	Price
44	Centrifuge tube storage / transport boxes 36-place green polypropylene box with fixed 6x6 dividers for 15 ml tubes. 16-place blue polypropylene box with fixed	Green (for 15 ml tubes)	2	E9025-1650	£23.00
	4x4 dividers for 50 ml tubes.  Clear lift-off lid. White printed matrix on base.  Base can be removed for use in the water bath.  Dimensions (WxDxH): 145 x 145 x 127 mm	Blue (for 50 ml tubes)	2	E9025-3615	£23.00

www.starlab.click/tubestorage

## Polycarbonate Bijou Storage Box

Polycarbonate storage boxes. Temperature use: -196°C to 121°C. Autoclavable.

	ORDER INFORMATION				
	Description	Colour	Pack Size	Cat. No.	Price
	Storage box for bijou containers	White		E2381-2525	£7.84
V Ffra	25-place polycarbonate storage box with fixed 5x5 dividers for 7.0 ml bijou containers		1		
2000	Moulded reference on base. Transparent lift-off lid with frosted writing surface.				
	Dimensions (WxDxH): 133 x 133 x 55 mm				

## Cryogenic Storage Boxes & Racks



### **Polycarbonate Cryogenic Storage Boxes**

A range of coloured polycarbonate storage boxes for use in ultra-low temperatures. A choice of different colour bases allows you to colour coordinate your samples for easy identification.

#### **Product features**

- ▶ Polycarbonate storage boxes for ultra low temperature use
- ► Coloured base with crystal-clear, lift-off lid
- ► Printed matrix on dividers
- Temperature use -196 °C to 121 °C
- ► Autoclavable

	ORDER INFORMATION				
	Description	Colour	Pack Size	Cat. No.	Price
	25-place	Blue	5	E2381-5001	£32.55
	25-place polycarbonate storage box with fixed	Green	5	E2381-5002	£32.55
	5x5 grid dividers for tubes up 13 mm eg. 1.0 ml and 1.8 ml cryogenic vials.	Orange	5	E2381-5003	£32.55
	Coloured base with crystal-clear, lift-off lid.	Red	5	E2381-5004	£32.55
A 100 MILES	Printed matrix on dividers.  Dimensions (WxDxH): 76 x 76 x 54 mm	Yellow	5	E2381-5006	£32.55
	Max. tube height: 49 mm	Mixed <sup>1)</sup>	5	E2381-5099	£32.55
Daniel Company of the	81-place	Blue	5	E2382-5001	£36.57
	81-place polycarbonate storage box with fixed 9x9 grid dividers for tubes up to 13 mm eg. 1.0 ml and 1.8 ml cryogenic vials. Coloured base with crystal-clear, lift-off lid. Printed matrix on grid dividers. Dimensions (WxDxH): 133 x 133 x 54 mm Max. tube height: 49 mm	Green	5	E2382-5002	£36.57
		Orange	5	E2382-5003	£36.57
		Red	5	E2382-5004	£36.57
		Yellow	5	E2382-5006	£36.57
		Mixed <sup>1)</sup>	5	E2382-5099	£36.57
( Property	81-place tall 81-place polycarbonate storage box with fixed	Blue	5	E2382-6001	£58.59
		Green	5	E2382-6002	£58.59
	9x9 grid dividers for tubes up to 13 mm eq. 4.5 ml cryogenic vials.	Orange	5	E2382-6003	£58.59
	Coloured base with crystal-clear, lift-off lid. Printed matrix on grid dividers.	Red	5	E2382-6004	£58.59
	Dimensions (WxDxH): 133 x 133 x 95 mm.	Yellow	5	E2382-6006	£58.59
	Max. tube height: 90 mm.	Mixed <sup>1)</sup>	5	E2382-6099	£58.59
\$2000 (A)	100-place	Blue	5	E2383-5001	£36.57
	100-place polycarbonate storage box with fixed	Green	5	E2383-5002	£36.57
3	10x10 pronged dividers for tubes up 13 mm eg. 1.0 ml and 1.8 ml cryogenic vials.	Orange	5	E2383-5003	£36.57
	Coloured base with crystal-clear, lift-off lid.	Red	5	E2383-5004	£36.57
	Printed matrix on grid dividers.  Dimensions (WxDxH): 133 x 133 x 54 mm.	Yellow	5	E2383-5006	£36.57
	Max. tube height: 49 mm.	Mixed <sup>1)</sup>	5	E2383-5099	£36.57



www.starlab.click/cryogenicboxes



25-place and 81-place boxes



Pronged dividers: 100-place box

## Cryogenic Storage Boxes & Racks

Zylar resin storage box. Temperature use: -196°C to 121°C. Autoclavable.

	ORDER INFORMATION				
	Description	Colour	Pack Size	Cat. No.	Price
Mulach .	StarStore 81Z 81-place zylar resin storage box with fixed 9x9 dividers for tubes up to 13mm eg. 1.0 ml cryogenic vials. Transparent lift-off lid with frosted writing panels on sides. Vent strips in base for safety and to aid lid removal. Dimensions (WxDxH): 130 x 130 x 45 mm	Natural	5	E2301-5309	£67.1

Polycarbonate storage box. Temperature use: -196°C to 121°C. Autoclavable.

	ORDER INFORMATION				
	Description	Box Type	Pack Size	Cat. No.	Price
7777	Cryogenic storage boxes 81-place polycarbonate storage box with fixed 9x9 grid dividers 100-place polycarbonate storage box with fixed 10x10 pronged dividers	81-place	5	I 2381-2305	£40.44
	White polycarbonate base with transparent, keyed (one-way) lift-off lid with printed reference grid. Drain holes on base for venting and safety.  Dimensions (WxDxH): 130 x 130 x 55 mm	100-place	5	12510-5005	£40.44

Polypropylene provides high chemical resistance. Temperature use: -90°C to 121°C. Autoclavable.

ORDER INFORMATION									
	Description	Colour	Pack Size	Cat. No.	Price				
	Cryogenic lock rack 50-place polypropylene rack with a	Blue	4	E2350-4001	£82.04				
- market	5x10 array for use with skirted cryogenic vials.  The vials lock into the rack for easy one-handed cap	Red	4	E2350-4004	£82.04				
W. Hillen	removal. Anti-skid rubber feet for stability on the bench.  Dimensions (WxDxH): 200 x 100 x 25 mm.	Violet	4	E2350-4005	£82.04				
Tubes not included.									

www.starlab.click/cryogenicracks

Impact-resistant acetal polymer rack for cryogenic storage vials. Excellent chemical resistance. Autoclavable.

ORDER INFORMATION				
Description	Colour	Pack Size	Cat. No.	Price
StarRack Multi 84-place acetal polymer tube rack with a 6x14 array for tubes up to 13 mm eg. 3.6 ml and 4.5 ml cryogenic storage vials and 12x75 tubes. Convenient carrying handles on either end of rack. Ideal for use in the waterbath as the rack will sink to the bottom without toppling over! Dimensions (WxDxH): 293 x 115 x 65 mm.	Mixed (contains one each of blue, green, violet, yellow and orange)	5	E2396-9759	£71.3

## Storage Racks

Polypropylene provides high chemical resistance. Temperature use: -90 °C to 121 °C. Autoclavable.

	ORDER INFORMATION					
	Description	Colour	Pack Size	Cat. No.	Price	
Mary	StarRack 80  80-place polypropylene fraction collection rack with a 5x16 array for tubes up to 11mm eg. 1.5/2.0 ml microcentrifuge tubes.		Natural	5	E2380-5000	£14.9
		Neon Blue	5	E2380-5041	£17.2	
		Neon Green	5	E2380-5042	£17.2	
William .		Neon Orange	5	E2380-5043	£17.2	
	lid, but an optional, natural polypropylene storage box	Neon Pink	5	E2380-5044	£17.2	
	with a hinged lid into which the rack fits can be used for extra security during freezer storage.	Neon Yellow	5	E2380-5046	£17.20	
	Dimensions (WxDxH): 226 x 67 x 28 mm	Mixed Neon <sup>1)</sup>	5	E2380-5048	£17.20	
	Storage box for StarRack 80 Dimensions (WxDxH): 236 x 85 x 52 mm	Natural	5	E2390-5000	£16.5	

www.starlab.click/tubestorage

One rack, two functions! Use on the bench then place directly into freezer. Temperature use: -80°C to 121°C. Autoclavable.

	ORDER INFORMATION				
	Description	Colour	Pack Size	Cat. No.	Price
Expand for use on the bench, then close for use in the freezer!	Expanding work/storage rack 64-place expanding rack with an 8x8 array for 1.5/2.0 ml microcentrifuge tubes. Reduce sample handling time! The rack opens to allow sufficient hand space for sample manipulation, and then closes back to its compact footprint for storage in the fridge or freezer. The clear lid 'locks' the rack together for safe storage. Stackable. Dimensions (WxDxH): Closed: 133 x 133 x 53 mm (with lid) Open: 310 x 128 x 33.5 mm	Grey	1	E2364-1000	£27.3

Impact-resistant acetal polymer rack. Excellent chemical resistance. Autoclavable.

	Description	Colour	Pack Size	Cat. No.	Price
	StarRack Multi for 15ml or 50ml Tubes 60-place acetal polymer rack with 5x12 array for tubes up to 16 mm, eg. 15 ml tubes 18-place acetal polymer rack with 3x6 array	Mixed (contains one each of blue,	5	E2396-9769 (60-place for 15 ml Tubes)	£71.30
	for tubes up to 30 mm, eg. 50 ml tubes  Convenient carrying handles on either end of the rack.  Ideal for use in the waterbath as the rack will sink to the bottom without toppling over!  Dimensions (WxDxH): 293 x 115 x 65 mm	green, violet, yellow and orange)	5	E2396-9779 (18-place for 50 ml Tubes)	£71.30

www.starlab.click/tubestorage

# **Storage Racks**

### **Wire Storage Racks**

Chemically-resistant epoxy-coated wire racks, suitable for use in the hood. Temperature use: -80 °C to 121 °C. Autoclavable.

	ORDER INFORMATION	l			
	Description	Rack Type	Pack Size	Cat. No.	Price
~ F = 2	Racks for 7.0 ml bijou containers Chemically resistant epoxy-coated wire racks, blue. Suitable for tubes up 20 mm	12-Place 7.0 ml Bijou (2 x 6 format)	1	E2396-1612	£18.99
	eg. 7.0 ml bijou containers.  Dimensions (WxDxH):  12 place: 164 x 64 x 32 mm  50 place: 271 x 145 x 32 mm	50-Place 7.0 ml Bijou (10 x 5 format)	1	E2396-1650	£22.56
	Racks for 30 ml universal containers Chemically resistant epoxy-coated wire racks, blue. Suitable for tubes up to 28 mm	12-Place 30 ml Universals (2 x 6 format)	1	E2396-1712	£20.78
	eg. 30 ml universal containers.  Dimensions (WxDxH):  12 place: 212 x 79 x 60 mm  50 place: 355 x 189 x 60 mm	50-Place 30 ml Universals (10 x 5 format)	1	E2396-1750	£26.02
	15-place rack for 15 ml tubes Chemically resistant epoxy-coated wire rack, blue. Suitable for tubes up to 17 mm eg. 15 ml conical centrifuge tubes. Dimensions (WxDxH): 127 x 76 x 176 mm	15-Place 15 ml Tubes (3 x 5 format)	1	E2396-1515	£22.43
	8-place rack for 50 ml tubes Chemically resistant epoxy-coated wire rack, blue. Suitable for tubes up 30 mm eg. 50 ml conical centrifuge tubes. Dimensions (WxDxH): 147 x 80 x 89 mm	8-Place 50 ml Tubes (2 x 4 format)	1	E2396-1550	£22.43
	72-place racks for blood collection tubes Chemically resistant epoxy-coated wire racks, blue. Suitable for 13 mm or 16 mm blood collection tubes	72-Place 13 mm tubes (6 x 12 format)	1	E2396-7213	£20.19
	and test tubes. Dimensions (WxDxH): For 13 mm tubes: 205 x 105 x 65 mm For 16 mm tubes: 241 x 188 x 65 mm	72-Place 16 mm tubes (6 x 12 format)	1	E2396-7216	£20.19

www.starlab.click/wireracks

## Multi-Tube Racks

Polypropylene provides high chemical resistance. Temperature use: -90°C to 121°C. Autoclavable.

	ORDER INFORMATION		1	1	
	Description	Colour	Pack Size	Cat. No.	Price
Oouble-sided!	StarRack 40	Neon Blue	1	E2340-4041	£9.22
	40-place double-sided polypropylene rack suitable for use with:	Neon Green	1	E2340-4042	£9.22
	32 x 0.5 ml AND 8 x 1.5/2.0 ml tubes on one side, 32 x 1.5/2.0 ml AND 8 x 0.5 ml tubes on the other.	Neon Orange	1	E2340-4043	£9.22
	Transparent, lift-off lid.	Neon Pink	1	E2340-4044	£9.22
	Moulded matrix on both sides.	Neon Yellow	1	E2340-4046	£9.22
	Dimensions (WxDxH): 170 x 80 x 28 mm (50 mm high with lid)	Mixed Neon <sup>1)</sup>	5	E2340-3099	£44.87
	StarRack 64	Natural	1	E2364-1010	£5.98
Double-sided!	64-place double-sided polypropylene rack suitable for use with:	Black	1	E2364-1018	£6.58
	0.5 ml microcentrifruge or PCR tubes on one side,     1.5/2.0 ml microcentrifuge tubes on the other.	Neon Blue	1	E2364-1041	£7.23
	Transparent, lift-off lid.	Neon Green	1	E2364-1042	£7.23
	Moulded matrix on both sides.  Dimensions (WxDxH):	Neon Orange	1	E2364-1043	£7.23
	130 x 130 x 30 mm (50 mm high with lid)	Neon Pink	1	E2364-1044	£7.23
SERVE	StarRack 64 can be used in the freezer racking on pages 128–129 and page 132 and in the racks for	Neon Yellow	1	E2364-1046	£7.23
	our new <b>Underbench Freezer on page 151</b> .	Mixed Neon <sup>1)</sup>	5	E2364-6048	£31.6
uble-sided!		Natural	1	E2396-0010	£9.22
uble-Sided:	StarRack 96	Black	1	E2396-0018	£9.68
	96-place double-sided polypropylene rack suitable for use with:	Neon Blue	1	E2396-0041	£9.97
THE REAL PROPERTY.	0.5 ml microcentrifruge or PCR tubes on one side, 1.5/2.0 ml microcentrifuge tubes on the other.	Neon Green	1	E2396-0042	£9.97
THE REAL PROPERTY.	Transparent, lift-off lid.	Neon Orange	1	E2396-0043	£9.97
	Moulded matrix on both sides.	Neon Pink	1	E2396-0044	£9.97
Daniel Control	Dimensions (WxDxH): 222 x 114 x 28 mm (50 mm high with lid)	Neon Yellow	1	E2396-0046	£9.97
		Mixed Neon <sup>1)</sup>	5	12396-5048	£46.25



Description	Colour	Pack Size	Cat. No.	Price
Totally Tubular™  Comprises four, 29-place polypropylene racks in a	Yellow Blue Green Red	1 Tray, 4 Cubes	12344-1000	£33.03
6 x 15 ml centrifuge tubes (17 mm) 9 x 1.5/2.0 ml microcentrifuge tubes (12 mm) 12 x 0.5 ml microcentrifuge or PCR tubes (11 mm) Ind. rack dimensions (WxDxH): 93 x 93 x 48 mm	Neon Green Neon Orange Neon Pink Neon Yellow	1 Tray, 4 Cubes	12344-1040	£34.40

## Multi-Tube Racks

Versatile racking systems ideal for use in the hood.

Polypropylene provides high chemical resistance. Temperature use: -90 °C to 121 °C. Autoclavable.

	ORDER INFORMATION				
	Description	Colour	Pack Size	Cat. No.	Price
-00		Natural	1	E2345-1000	£6.60
THE REAL PROPERTY.	Combi-Mini  80-place polypropylene rack	Neon Blue	1	E2345-1041	£6.60
	for use with:	Neon Green	1	E2345-1042	£6.60
	4 x 50 ml tubes (30 mm) 12 x 15 ml tubes (17 mm)	Neon Orange	1	E2345-1043	£6.60
	32 x 1.5/2.0 ml tubes (12 mm)	Neon Pink	1	E2345-1044	£6.60
	32 x 0.5 ml tubes (8 mm)	Neon Yellow	1	E2345-1046	£6.60
	Dimensions (WxDxH): 171 x 91 x 54 mm	Mixed Neon <sup>1)</sup>	5	E2345-1099	£31.6
wo slightly different versions available, both	Combi-Max 92 92-place polypropylene rack for use with: 8 x 50 ml tubes (30 mm) 20 x 20 mm diam. tubes (21 mm) 24 x 15 ml tubes (17 mm) 40 x 12/13 mm diam tubes (13 mm) Dimensions (WxDxH): 198 x 114 x 95 mm	Natural	1	E2346-1000	£18.6
		Neon Blue	1	E2346-1041	£19.2
		Neon Green	1	E2346-1042	£19.2
signed to hold an array of tubes		Neon Orange	1	E2346-1043	£19.2
		Neon Pink	1	E2346-1044	£19.2
STATE OF THE STATE		Neon Yellow	1	E2346-1046	£19.2
ALL DESCRIPTION OF THE PERSON		Mixed Neon <sup>1)</sup>	5	E2346-1099	£92.4
000		51		F00.47.4004	
8 3 3 4 6	Combi-Max 96	Blue	1	E2347-1001	£19.2
	96-place polypropylene rack for use with:	Green	1	E2347-1002	£19.2
	12 x 25 ml tubes (27 mm) 20 x 20 mm diam. tubes (21 mm)	Orange	1	E2347-1003	£19.2
	24 x 15 ml tubes (17 mm)	Red	1	E2347-1004	£19.2
	40 x 12/13 mm diam tubes (13 mm)	Violet	1	E2347-1005	£19.2
	Dimensions (WxDxH): 198 x 114 x 95 mm	Mixed <sup>2)</sup>	5	E2347-1099	£92.4

	ORDER INFORMATION				
	Description	Colour	Pack Size	Cat. No.	Price
	Comprises four different coloured polypropylene sections that can be rotated and locked together to achieve various configurations for holding different tubes and a PCR plate.  Suitable for use with:  50 ml tubes (max. 30 mm ø) 2 tubes per section 15 ml tubes (max. 18 mm ø) 8 tubes per section 1.5/2.0 ml tubes (max. 11 mm ø) 12 tubes per section 0.5 ml tubes (max. 8.0 mm ø) 12 tubes per section 0.5 ml tubes (max. 8.0 mm ø) 6 tubes per section 1 plate across 2 sections 8-Tube PCR Strips 6 strips per section 12-Tube PCR Strips 8 strips across 2 sections 0.2ml PCR Tubes 48 tubes per section Dimensions (WxDxH): 257 x 108 x 108 mm (combined) 69 x 108 x 108 mm (individual section)	Yellow, Blue, Green & Red	1	E2344-1099	£33.90
Plate / tubes not included.					

www.starlab.click/tubestorage

# PCR Sample Racks

ORDER INFORMATION				
Description	Colour	Pack Size	Cat. No.	Price
StarPCR work rack 96-place polypropylene rack for use with: 1 x 96-well PCR plate or 0.2 ml PCR tubes or strips Positive snap-in transparent lid guarantees safe closure. Stackable with or without lid. Suitable for use down to -90 °C Dimensions (WxDxH): 138 x 98 x 39 mm (with lid) Note: Not autoclavable	Mixed (containes one each of Blue, Green, Red, Violet, Yellow)	5	E2396-5240	£38.27

ORDER INFORMATION									
	Description	Colour	Pack Size	Cat. No.	Price				
Hinged lid!	Double-sided PCR work rack Double-sided polypropylene rack suitable for use with: 168 x 0.2 ml PCR tubes AND 12 x 1.5 ml PCR tubes on one side, 40 x 0.5 ml PCR tubes AND 12 x 1.5 ml PCR tubes on the other. Detachable, transparent hinged lid. Temperature use: -90 °C to 121 °C. Autoclavable. Dimensions (WxDxH): 206 x 131 x 54 mm (with lid).	Mixed (contains one each of Blue, Green, Orange Pink, Yellow)	5	E2396-0599	£38.27				

	ORDER INFORMATION		I	1	
	Description	Colour	Pack Size	Cat. No.	Pric
		Neon Blue	1	E2396-1641	£5.9
	Rack A only (Satellite Rack)	Neon Green	1	E2396-1642	£5.9
CONTRACTOR OF THE PARTY OF THE	96-place polypropylene rack to hold: 0.2 ml PCR tubes/strips or 1 x 96-well PCR plate.	Neon Orange	1	E2396-1643	£5.9
A STATE OF THE PARTY OF THE PAR	Each rack supplied with its own transparent, lift-off lid.	Neon Pink	1	E2396-1644	£5.9
	Dimensions (WxDxH): 127 x 87 x 33 mm (with lid)	Neon Yellow	1	E2396-1646	£5.9
	, , =	Mixed Neon <sup>1)</sup>	5	E2396-9649	£27
	Rack B only (Workstation Rack)	Neon Blue	1	E2396-1651	£13
	72-place polypropylene rack to hold:	Neon Green	1	E2396-1652	£13
	32 x 0.2 ml PCR tubes 16 x 0.5 ml microcentrifuge or PCR tubes	Neon Orange	1	E2396-1653	£13
III SHEET	24 x 1.5/2.0 ml microcentrifuge tubes	Neon Pink	1	E2396-1654	£13
	Each rack supplied with its own transparent, lift-off lid.	Neon Yellow	1	E2396-1656	£13
	Dimensions (WxDxH): 215 x 115 x 50 mm (with lid)	Mixed Neon <sup>1)</sup>	5	E2396-9659	£62
		Neon Blue <sup>2)</sup>	1+1	E2396-9691	£19
0.0.70	Racks A & B (complete PCR Workstation)	Neon Green <sup>2)</sup>	1+1	E2396-9692	£19
1 X 10	Rack A (without lid) can be inserted into the	Neon Orange <sup>2)</sup>	1+1	E2396-9693	£19
	designated area of Rack B	Neon Pink <sup>2)</sup>	1+1	E2396-9694	£19
	Each rack supplied with its own transparent, lift-off lid	Neon Yellow <sup>2)</sup>	1+1	E2396-9696	£19
		Mixed Neon <sup>3)</sup>	5+5	E2396-9669	£89

ORDER INFORMATION				
Description	Colour	Pack Size	Cat. No.	Price
PCR Lock-Rack  Polypropylene racks which lock together to make a larger rack. Each colour section holds: 24 x 1.5/2.0 ml tubes 16 x 0.5 ml tubes 60 x 0.2 ml tubes 1 x 96-Well PCR plate (two sections locked together). Transparent lid fits over two sections locked together. Dimensions (WxDxH): 133 x 107 x 56 mm (2 sections with lid).	Mixed (contains one each of Blue, Green, Red, Yellow)	4 Racks, 2 Lids	E2344-2099	£29.80

### **Chiller** Racks

### StarChill high performance chiller racks

Maintain a fridge environment on the benchtop or on your robot! The centre sections of StarChill racks change colour when frozen. It then gradually turns back to its original colour as it warms up, thus giving an instant, visual-indication of the temperature.

	ORDER INFORMATION				
	Description	Colour	Pack Size	Cat. No.	Price
	StarChill PCR 96-well chiller rack with lid for use with: 0.2 ml single or strip PCR tubes, or 0.2 ml 96-well PCR Plate Temperature colour change: 7°C	Pink (warm) Purple (cold)	2	E2396-2004	£52.2
	Estimated time at 4°C: 3+ hours <sup>1)</sup> Dimensions (WxDxH): 141 x 99 x 38 mm (44 mm high with lid)	Yellow (warm) Green (cold)	2	E2396-2006	£52.2
	StarChill MCT 24-well rack with lid, for use with: 0.5, 1.5 & 2.0 ml microcentrifuge or screw cap tubes	Pink (warm) Purple (cold)	1	E2396-5634	£52.0
	Temperature colour change: 7°C Estimated time at 4°C: 3+ hours¹¹ Dimensions (WxDxH): 146 x 105 x 65 mm (70mm high with lid)	Yellow (warm) Green (cold)	1	E2396-5636	£52.0
	StarChill SBS 96-well rack without lid, for use on AUTOMATED SYSTEMS with: 0.2 ml single or strip PCR tubes, or	Pink (warm) Purple (cold)	2	E2396-5654	£55.00
	or a 0.2 ml 96-well PCR Plate Temperature colour change: 7 °C Estimated time at 4 °C: 2+ hours¹¹ Dimensions (WxDxH): 128 x 85 x 26 mm	Yellow (warm) Green (cold)	2	E2396-5656	£55.00
March	StarChill qPCR Tube Capacity: 64 x 0.1 ml Corbett Rotor-Gene® tubes, 16 x 0.2 ml single tubes (or 2 x 8-strips) and 4 x 0.5 ml tubes Est. Time below 4° C: 2.5 hours¹¹ Dimensions: 141 x 99 x 44 mm	White (warm) Blue (cold)	2	E2396-3008	£60.6

www.starlab.click/starchill

### **Cooler** Containers

### **Containers for temperature sensitive samples**

Rigid moulded polyurethane containers for chilling temperature sensitive samples. Excellent insulation properties for very low temperature use with ice and ice-salt slurries. Use down to -196°C at 1 bar.

ORDER INFORMATION									
	Description	Pack Size	Cat. No.	Price					
	4 Litre Oblong Cooler Container, Blue, 380 x 250 x 140 mm	1	E2396-6001	£90.18					
	1 Litre Square Cooler Container, Green, 270 x 195 x 115 mm	1	E2396-6002	£90.18					
	9 Litre Oblong Cooler Container, Red, 521 x 295 x 165 mm	1	E2396-6004	£117.92					
	4 Litre Round Cooler Container, Black, 235 Ø x 180 mm	1	E2396-6008	£90.18					
Rack / tubes not included. <b>Note:</b> Not autoclavable of	or microwavable.								

www.starlab.click/coolercontainer

# **Transport** Cases & Coolers

	ORDER INFORMATION				
	Description	Colour	Pack Size	Cat. No.	Price
Protects valuable enzymes from temperature fluctuation due to frost-free cycles, power loss or open freezer doors	Benchtop Cooler / Transport Case  48-place polypropylene, small case-style holder filled with ice-gel, for use with 1.5/2.0 ml tubes.  Handy note panel inside the lid.  Maintains temperatures of:  -15°C or lower, for 4 hours if frozen to -20°C  -15°C or lower, for 6 hours if frozen to -23°C  Dimensions (WxDxH): 215 x 200 x 95 mm  Weight 2.5 kg  NOTE: Not Autoclavable	Black	1	16348-1515	£265.93
Protects cells & iologicals stored in 70°C freezers. Use for added protection when shipping valuable samples on dry ice	Cryo Cooler / Transport Case  48-place polypropylene, small case-style holder filled with ice-gel, for use with 1.5/2.0 ml tubes.  Handy note panel inside the lid.  When frozen to -70 °C the Cryo Cooler will take up to 10 hours to raise to a temperature of -10 °C  Dimensions (WxDxH): 215 x 200 x 95 mm  Weight 2.5 kg  NOTE: Must be frozen to -70 °C for a minium of 24 hours before use. Not autoclavable	Black	1	16342-4270	£265.93
Perfect for the ransportation of a small number of samples	Mini Cooler 8-place rack filled with with ice-gel for use with 1.5/2.0 ml tubes. Hinged, transparent lid with snap-catch Maintains -15 °C or below for up to 1 hour Dimensions (WxDxH): 120 x 85 x 90 mm Weight: 750 g. NOTE: Must be frozen to -20 °C for a minium of 24 hours before use. Not autoclavable	Silver	1	16308-1515	£92.75
THE STEEL	CryoSecure®  Double-sided racks filled with ice-gel, for use with 20 x 0.5 ml tubes on one side, or 20 x 1.5/2.0 ml tubes on the other	White (0°C Rack)	1	12312-2720	£73.56
Maintain low-temperature torage of reagents, cells and enzymes removed from the freezer	White rack maintains 0°C for a minimum of 5 hours Blue rack maintains -10°C to -20°C for up to 3 hours Dimensions (WxDxH): 172 x 110 x 105 mm with lid NOTE: Not autoclavable	Blue (-20°C Rack)	1	12312-2721	£73.56

www.starlab.click/transportcases

### Freezer Racking for Upright Freezers

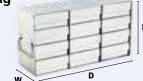
#### Stainless steel racking

Stainless steel provides the highest quality freezer racking. Stainless steel racks are available with side access or with pull-out shelves.

#### **Aluminium racking**

Aluminium provides durable and light-weight racking at an economical price. Only racking with side access is available in aluminium.

Measuring upright freezer racking



Download our Freezer Racking Guides for popular freezers to find out which racks fit your freezer

### For standard storage boxes up to 136 x 136 x 55 mm

Suitable for use with:

- ▶ 50 mm high cardboard storage boxes, pages 114–115
- ▶ StarStore 130 x 130mm range of storage boxes, page 116
- ► Cryogenic storage boxes (except 25-place and 81-Place Tall), pages 119–120
- ► Expanding work rack, page 121
- ► StarRack 64, page 123
- ▶ Any storage box up to 136 x 136 x 55 mm



Stainless steel rack with side access

ORDER INFORMATION									
Description	Boxes Deep	Boxes High	Dimensions (WxDxH)	Cat. No.	Price Each				
9-Place SS Rack	3	3	139 x 419 x 168 mm	12602-3300	£119.29				
12-Place SS Rack	3	4	139 x 419 x 221 mm	12602-3400	£122.28				
15-Place SS Rack	3	5	139 x 426 x 276 mm	12602-3500	£113.82				
12-Place SS Rack	4	3	139 x 558 x 168 mm	12602-4300	£122.27				
16-Place SS Rack	4	4	139 x 558 x 221 mm	12602-4400	£125.54				
20-Place SS Rack	4	5	139 x 558 x 276 mm	12602-4500	£128.24				
24-Place SS Rack	4	6	139 x 558 x 331 mm	12602-4600	£147.62				
28-Place SS Rack	4	7	139 x 558 x 386 mm	12602-4700	£153.59				
15-Place SS Rack	5	3	139 x 697 x 168 mm	12602-5300	£140.17				
20-Place SS Rack	5	4	139 x 697 x 221 mm	12602-5400	£144.64				
25-Place SS Rack	5	5	139 x 697 x 276 mm	12602-5500	£153.59				
30-Place SS Rack	5	6	139 x 697 x 331 mm	12602-5600	£159.55				
Boxes not included.									



Boxes Deep	Boxes High	Dimensions (WxDxH)	Cat. No.	Price Each
3	3	139 x 419 x 168 mm	12612-3300	£101.39
3	4	139 x 419 x 221 mm	12612-3400	£104.38
3	5	139 x 426 x 276 mm	12612-3500	£107.36
4	3	139 x 558 x 168 mm	12612-4300	£104.38
4	4	139 x 558 x 221 mm	12612-4400	£107.36
4	5	139 x 558 x 276 mm	12612-4500	£108.85
4	6	139 x 558 x 331 mm	12612-4600	£125.26
4	7	139 x 558 x 386 mm	12612-4700	£131.22
5	3	139 x 697 x 168 mm	12612-5300	£119.29
5	4	139 x 697 x 221 mm	12612-5400	£122.27
5	5	139 x 697 x 276 mm	12612-5500	£131.22
5	6	139 x 697 x 331 mm	12612-5600	£135.68
	3 3 3 4 4 4 4 4 4 5 5 5	3 3 4 3 5 4 3 4 4 4 5 4 6 4 7 5 3 5 4 5 5	3 3 139 x 419 x 168 mm 3 4 139 x 419 x 221 mm 3 5 139 x 426 x 276 mm 4 3 139 x 558 x 168 mm 4 4 139 x 558 x 221 mm 4 5 139 x 558 x 276 mm 4 6 139 x 558 x 331 mm 4 7 139 x 558 x 386 mm 5 3 139 x 697 x 168 mm 5 4 139 x 697 x 221 mm 5 139 x 697 x 276 mm	3 3 139 x 419 x 168 mm



### For standard storage boxes up to 136 x 136 x 55 mm



12632-4400
Stainless steel racks with pull out shelves have a 'stop'' to prevent the shelves falling out.
See page 128 for the list of storage boxes that can be used in this racking.

ORDER INFORMATION									
Description	Boxes Deep	Boxes High	Dimensions (WxDxH)	Cat. No.	Price Each				
9-Place SS Rack, Pull Out Shelves	3	3	140 x 421 x 171 mm	12632-3300	£202.30				
12-Place SS Rack, Pull Out Shelves	3	4	140 x 421 x 228 mm	12632-3400	£205.78				
15-Place SS Rack, Pull Out Shelves	3	5	140 x 421 x 285 mm	12632-3500	£220.69				
12-Place SS Rack, Pull Out Shelves	4	3	140 x 558 x 171 mm	12632-4300	£202.80				
16-Place SS Rack, Pull Out Shelves	4	4	140 x 558 x 228 mm	12632-4400	£208.77				
20-Place SS Rack, Pull Out Shelves	4	5	140 x 558 x 285 mm	12632-4500	£220.69				
24-Place SS Rack, Pull Out Shelves	4	6	140 x 558 x 340 mm	12632-4600	£232.63				
28-Place SS Rack, Pull Out Shelves	4	7	140 x 558 x 398 mm	12632-4700	£244.55				
15-Place SS Rack, Pull Out Shelves	5	3	140 x 696 x 171 mm	12632-5300	£220.69				
20-Place SS Rack, Pull Out Shelves	5	4	140 x 696 x 228 mm	12632-5400	£232.63				
25-Place SS Rack, Pull Out Shelves	5	5	140 x 696 x 285 mm	12632-5500	£244.55				
30-Place SS Rack, Pull Out Shelves	5	6	140 x 696 x 340 mm	12632-5600	£256.48				

#### Freezer racking for other heights of storage box

Freezer racking with side access or pull out shelves is also available for the 32 mm, 75 mm and 100 mm high cardboard stroage boxes on pages 114–115. Contact STARLAB for details.

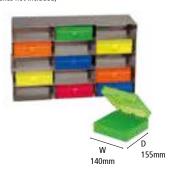




### Freezer racking for StarStore 100 storage boxes

These stainless steel racks for upright freezers are for use only with our popular storage box, the **StarStore 100** (page 117).

12610-1500 Stainless steel rack with side access. (Boxes not included)



StarStore 100 storage boxes for use in these racks are available on page 117

**INFO:** See website for chest freezer raking for StarStore 100

ORDER INFORMATION									
Description	Boxes Deep	Boxes High	Dimensions (WxDxH)	Cat. No.	Price Each				
8-Place SS Rack	2	4	160 x 300 x 240 mm	12610-0800	£131.48				
12-Place SS Rack	3	4	160 x 452 x 240 mm	12610-1200	£157.79				
15-Place SS Rack	3	5	160 x 452 x 300 mm	12610-1500	£164.36				

ORDER INFORMATION										
Description	Boxes Deep	Boxes High	Dimensions (WxDxH	Cat. No.	Price Each					
9-Place SS Rack, Pull Out Shelves	3	3	165 x 450 x 187 mm	12610-0920	£197.22					
12-Place SS Rack, Pull Out Shelves	3	4	165 x 450 x 248 mm	12610-1220	£236.67					
16-Place SS Rack, Pull Out Shelves	4	4	165 x 596 x 248 mm	12610-1620	£262.97					
NOTE: StarStore 100 boxes sit sideways on th	NOTE: StarStore 100 boxes sit sideways on the shelves in the racking above (hinge to the side).									

ORDER INFORMATION										
Description	Boxes Deep	Boxes High	Dimensions (WxDxH)	Cat. No.	Price Each					
12-Place SS Rack, Shallow Pull Out Shelves	3	4	155 x 559 x 235 mm	12611-1200	£155.94					
15-Place SS Rack, Shallow Pull Out Shelves	3	5	155 x 559 x 294 mm	12611-1500	£177.20					
16-Place SS Rack, Shallow Pull Out Shelves	4	4	155 x 673 x 235 mm	12611-1600	£177.20					
20-Place SS Rack, Shallow Pull Out Shelves	4	5	155 x 673 x 300 mm	12611-2000	£206.74					
21-Place SS Rack, Shallow Pull Out Shelves	3	7	155 x 559 x 410 mm	12611-2100	£230.36					
24-Place SS Rack, Shallow Pull Out Shelves	4	6	155 x 673 x 360 mm	12611-2400	£248.08					
NOTE: StarStore 100 boxes sit forwards on the shell	ves in the	racking al	NOTE: StarStore 100 boxes sit forwards on the shelves in the racking above (hinge to the back).							

Download our Freezer Racking Guide for popular freezers to find out which racks fit your freezer

### Freezer Racking for Upright Freezers

#### Stainless steel bin racking

Versatile storage for upright freezers comprising a rack with two bin-style drawers with a lid.



ORDER INFORMATION					
Description	Dimensions (WxDxH)	Cat. No.	Price Each		
139 mm Wide 2-Bin Stainless Steel Rack (420 x 225)	139 x 420 x 225 mm	12671-3921	£205.78		
139 mm Wide 2-Bin Stainless Steel Rack (560 x 225)	139 x 560 x 225 mm	12671-3922	£217.71		
139 mm Wide 2-Bin Stainless Steel Rack (560 x 280)	139 x 560 x 280 mm	12671-3923	£232.63		
139 mm Wide 2-Bin Stainless Steel Rack (560 x 385)	139 x 560 x 385 mm	12671-3924	£256.48		
139 mm Wide 2-Bin Stainless Steel Rack (680 x 280)	139 x 680 x 280 mm	12671-3925	£241.56		
278 mm Wide 2-Bin Stainless Steel Rack (420 x 225)	278 x 420 x 225 mm	12672-7821	£260.95		
278 mm Wide 2-Bin Stainless Steel Rack (560 x 225)	278 x 560 x 225 mm	12672-7822	£275.86		
278 mm Wide 2-Bin Stainless Steel Rack (560 x 280)	278 x 560 x 280 mm	12672-7823	£275.86		
278 mm Wide 2-Bin Stainless Steel Rack (560 x 385)	278 x 560 x 385 mm	12672-7824	£320.59		
278 mm Wide 2-Bin Stainless Steel Rack (680 x 280)	278 x 680 x 280 mm	12672-7825	£305.68		
See also the single, stainless steel bins on page 133.	·				

### Freezer racking with pull out shelves for 1.5/2.0ml tubes

The pull out trays contain polypropylene dividers for the direct storage of tubes up to 12.5 mm diameter, eg. 1.5 / 2.0 ml microcentrifuge or screw cap tubes.



Also available for chest freezers. Contact STARLAB for details.

ORDER INFORMATION							
Description	Trays High	Tubes per Rack	Max. Tube Height	Dimensions (WxDxH)	Cat. No.	Price Each	
4-Tray SS Rack	4	1680	57 mm	140 x 556 x 235 mm	12670-1680	£276.61	
5-Tray SS Rack	5	2100	54 mm	140 x 556 x 280 mm	12670-2100	£325.73	
7-Tray SS Rack	7	2940	57 mm	140 x 556 x 410 mm	12670-2940	£440.84	
4-Tray SS Rack	4	1848	57 mm	160 x 556 x 235 mm	12670-1848	£291.74	
5-Tray SS Rack	5	2310	54 mm	160 x 556 x 280 mm	12670-2310	£343.84	
7-Tray SS Rack	7	3234	57 mm	160 x 556 x 410 mm	12670-3234	£465.02	
4-Tray SS Rack	4	1760	57 mm	140 x 595 x 235 mm	12670-1760	£281.94	
5-Tray SS Rack	5	2200	54 mm	140 x 595 x 280 mm	12670-2200	£332.68	
7-Tray SS Rack	7	3080	57 mm	140 x 595 x 410 mm	12670-3080	£446.79	
4-Tray SS Rack	4	1936	57 mm	160 x 595 x 235 mm	12670-1936	£300.31	
5-Tray SS Rack	5	2420	54 mm	160 x 595 x 280 mm	12670-2420	£355.25	
7-Tray SS Rack	7	3388	57 mm	160 x 595 x 410 mm	12670-3388	£477.31	

Tubes not included. IMPORTANT NOTE: The image on the left is for illustrative purposes only. All racks will be supplied with the same colour dividers in each tray. Although the colour of the dividers supplied may not be able to be guaranteed, please state your colour choice when ordering: blue, green, red, orange, violet, yellow, white or black.

### Freezer racking with pull out shelves for 15ml & 50ml centrifuge tubes



Stainless Steel (SS) racks for the direct storage of 15 ml or 50 ml centrifuge tubes. Saves you the time of transferring the tubes to/from storage boxes.

ORDER INFORMATION						
Description	Shelves	Dimensions (WxDxH)	Cat. No.	Price Each		
60-Place SS Rack for 15 ml Tubes	1	140 x 419 x 126 mm	12615-1000	£244.47		
120-Place SS Rack for 15 ml Tubes	2	140 x 419 x 252 mm	12615-3600	£197.22		
160-Place SS Rack for 15 ml Tubes	2	140 x 559 x 252 mm	12615-2600	£216.95		
60-Place SS Rack for 50 ml Tubes	2	140 x 419 x 252 mm	12650-3600	£197.22		
78-Place SS Rack for 50 ml Tubes	2	140 x 559 x 252 mm	12650-2600	£216.95		
Tubes not included. Image for illustrative purpo	ses only to show st	orage of 15 ml and 50 ml tubes.				

### Freezer racking with side access for plates



Plates can be stacked! For example, in the rack with 45 mm deep compartments, you can store one deepwell plate or stack 4 x 10mm high plates.

Stainless Steel (SS) and aluminium racks for storing a variety of plates. Plates can either be stored one to a compartment/shelf or stacked one on top of the other in the deeper compartments/shelves.

ORDER INFORMATION							
Description	Compartment Height	Plate Array*	Dimensions (WxDxH)	Cat. No.	Price Each		
	Stainles	s Steel Rack	for Plates				
45-Place SS Rack for Low-Profile Plates	16 mm	9 high x 5 deep	135 x 450 x 153 mm	12652-4500	£257.43		
78-Place SS Rack for Low-Profile Plates	16 mm	13 high x 6 deep	135 x 540 x 221 mm	12652-7800	£280.51		
112-Place SS Rack for Low-Profile Plates	16 mm	16 high x 7 deep	135 x 630 x 272 mm	12652-1120	£252.87		
30-Place SS Rack for Microplates	25 mm	6 high x 5 deep	135 x 450 x 159 mm	12652-3000	£212.59		
20-Place SS Rack for Deepwell Plates	45 mm	4 high x 5 deep	135 x 450 x 186 mm	12652-2000	£168.31		
*Based on one plate per compar	tment.						

ORDER INFORMATION						
Description	Compartment Height	Plate Array*	Dimensions (WxDxH)	Cat. No.	Price Each	
	Alumi	nium Racks f	or Plates			
45-Place Aluminium Rack for Low-Profile Plates	16 mm	9 high x 5 deep	135 x 450 x 153 mm	12662-4500	£206.70	
78-Place Aluminium Rack for Low-Profile Plates	16 mm	13 high x 6 deep	135 x 540 x 221 mm	12662-7800	£224.41	
112-Place Aluminium Rack for Low-Profile Plates	16 mm	16 high x 7 deep	135 x 540 x 221 mm	12662-1120	£248.03	
30-Place Auminium Rack for Microplates	25 mm	6 high x 5 deep	135 x 630 x 272 mm	12662-3000	£169.79	
20-Place Aluminium Rack for Deepwell Plates	45 mm	4 high x 5 deep	135 x 450 x 186 mm	12662-2000	£134.34	

### Freezer racking with pull out shelves for plates



Racks with pull out shelves have a 'stop' to prevent the shelves falling out. Plates can be stored one to a shelf or stacked one on top of the other in deeper shelves

ORDER INFORMATION							
Description	Shelf Height	Shelves per Rack	Plates per Shelf	Dimensions (WxDxH)	Cat. No.	Price Each	
45-Place SS Rack for Low-Profile Plates, Pull Out Shelves	16 mm	9	5	135 x 450 x 153 mm	12653-4500	£465.07	
78-Place SS Rack for Low-Profile Plates, Pull Out Shelves	16 mm	13	6	135 x 540 x 221 mm	12653-7800	£509.36	
112-Place SS Rack for Low-Profile Plates, Pull Out Shelves	16 mm	16	7	135 x 630 x 272 mm	12653-1120	£561.03	
30-Place SS Rack for Microplates, Pull Out Shelves	25 mm	6	5	135 x 450 x 159 mm	12653-3000	£361.72	
48-Place SS Rack for Microplates, Pull Out Shelves	25 mm	8	6	135 x 540 x 212 mm	12653-4800	£464.34	
60-Place SS Rack for Microplates, Pull Out Shelves	25 mm	10	6	135 x 540 x 265 mm	12653-6000	£497.10	
20-Place SS Rack for Deepwell Plates, Pull Out Shelves	45 mm	4	5	135 x 450 x 186 mm	12653-2000	£265.75	

### Other sizes of freezer racking for upright freezers are available!



The freezer racking shown in this catalogue is just a selection of those available. Contact us with the make and model of your freezer and the type of storage box, tube or plate you wish to store and we will source the rack for you.

### Freezer Racking for Chest Freezers

#### Stainless steel racking

Stainless steel provides the highest quality freezer racking. Available with locking rod or with spring lock.

### **Aluminium racking**

Aluminium provides durable and lightweight racking at a more economical price than stainless steel.

### Measuring chest freezer racking



Download our Freezer Racking Guides for popular freezers to find out which racks fit your freezer

### For standard storage boxes up to 136 x 136 x 55 mm

Suitable for use with:

- ► 50 mm high cardboard storage boxes, pages 114-115
- ► StarStore 130 x 130mm range of storage boxes, page 116
- ► Cryogenic storage boxes (except 25-place and 81-Place Tall), pages 119-120
- ► Expanding work rack, page 121
- ► StarRack 64, page 123
- ► Any storage box up to 136 x 136 x 55 mm

ORDER INFORMATION						
Description	Dimensions (WxDxH)	Cat. No.	Price Each			
3-High SS Rack, Locking Rod	140 x 140 x 170 mm	12602-3000	£85.00			
5-High SS Rack, Locking Rod	140 x 140 x 280 mm	12602-5000	£87.98			
6-High SS Rack, Locking Rod	140 x 140 x 335 mm	12602-6000	£89.48			
7-High SS Rack, Locking Rod	140 x 140 x 390 mm	12602-7000	£93.94			
8-High SS Rack, Locking Rod	140 x 140 x 445 mm	12602-8000	£105.18			
9-High SS Rack, Locking Rod	140 x 140 x 500 mm	12602-9000	£108.55			
10-High SS Rack, Locking Rod	140 x 140 x 555 mm	12602-1000	£99.91			
11-High SS Rack, Locking Rod	140 x 140 x 610 mm	12602-1100	£101.39			
12-High SS Rack, Locking Rod	140 x 140 x 665 mm	12602-1200	£102.89			
13-High SS Rack, Locking Rod	140 x 140 x 720 mm	12602-1300	£106.15			
Boxes not included.						

Stainless steel racking with locking rod to hold boxes in place

Stainless steel racking with spring lock to hold boxes in place





12612-1100



#### INFO:

See our website for our full range of freezer racking for chest freezers. www.starlab.click/freezerracking

ORDER INFORMATION						
Description	Dimensions (WxDxH)	Cat. No.	Price Each			
3-High SS Rack, Spring Lock	140 x 140 x 170 mm	12613-3000	£92.45			
5-High SS Rack, Spring Lock	140 x 140 x 280 mm	12613-5000	£96.92			
6-High SS Rack, Spring Lock	140 x 140 x 335 mm	12613-6000	£99.91			
7-High SS Rack, Spring Lock	140 x 140 x 390 mm	12613-7000	£102.90			
8-High SS Rack, Spring Lock	140 x 140 x 445 mm	12613-8000	£108.85			
9-High SS Rack, Spring Lock	140 x 140 x 500mm	12613-9000	£124.94			
10-High SS Rack, Spring Lock	140 x 140 x 555 mm	12613-1000	£114.81			
11-High SS Rack, Spring Lock	140 x 140 x 610 mm	12613-1100	£119.29			
12-High SS Rack, Spring Lock	140 x 140 x 665 mm	12613-1200	£123.76			
13-High SS Rack, Spring Lock	140 x 140 x 720 mm	12613-1300	£126.75			
Boxes not included.						

ORDER INFORMATION						
Description	Dimensions (WxDxH)	Cat. No.	Price Each			
3-High Aluminium Rack	140 x 140 x 170 mm	12612-3000	£73.07			
5-High Aluminium Rack	140 x 140 x 280 mm	12612-5000	£74.56			
6-High Aluminium Rack	140 x 140 x 335 mm	12612-6000	£76.04			
7-High Aluminium Rack	140 x 140 x 390 mm	12612-7000	£79.03			
8-High Aluminium Rack	140 x 140 x 445 mm	12612-8000	£82.01			
9-High Aluminium Rack	140 x 140 x 500 mm	12612-9000	£83.50			
10-High Aluminium Rack	140 x 140 x 555 mm	12612-1000	£85.00			
11-High Aluminium Rack	140 x 140 x 610 mm	12612-1100	£86.49			
12-High Aluminium Rack	140 x 140 x 665 mm	12612-1200	£87.98			
13-High Aluminium Rack	140 x 140 x 720 mm	12612-1300	£90.96			
Boxes not included.	·	·	·			

### Stainless Steel Freezer Storage

#### Stainless steel tube racks

Mirror finish racks for use on the bench, in the fridge or in the freezer.



ORDER INFORMATION							
Description	Use With:	Max. Cap Ø	Dimensions (WxDxH)	Cat. No	Price Each		
72-Place SS Rack (11mm Ø holes)	Microcentrifuge Tubes, Screw Cap Microtubes	20 mm	252 x 125 x 30 mm	12671-7211	£39.45		
50-Place SS Rack for Tall Tubes (13 mm Ø holes)	Taller Screw Cap Tubes, Cryovials, 12x75 FACS Tubes	20 mm	207 x 108 x 60 mm	12671-5013	£55.20		
78-Place SS Rack (14 mm Ø holes)	Vacutainers (13 mm)	18 mm	252 x 125 x 60 mm	12671-7814	£61.77		
50-Place SS Rack (18 mm Ø holes)	15ml Centrifuge Tubes, Culture Tubes, 12 ml Tubes, Vacutainers (16 mm)	23 mm	252 x 125 x 80 mm	12671-5018	£60.32		
50-Place SS Rack (20 mm Ø holes)	7.0 ml Bijou Containers	24 mm	255 x 130 x 30 mm	12671-5020	£47.39		
70-place SS Rack (30 mm Ø holes)	30 ml Universal Containers	30 mm	268 x 377 x 45 mm	12671-7030	£83.22		
28-Place SS Rack (25 mm Ø holes)	30 ml Universal Containers	35 mm	252 x 145 x 80 mm	12671-2825	£55.20		
28-Place SS Rack (30 mm Ø holes)	50 ml Centrifuge Tubes	35 mm	252 x 145 x 80 mm	12671-2830	£55.20		
Tubes not included.	Tubes not included.						

#### Stainless steel bins

An effective solution for storing a wide variety of samples. All bins have a lid, and a handle on the front. Can be used in -80°C freezers.



ORDER INFORMATION						
Description	Dimensions (WxDxH)	Cat. No.	Price Each			
139 mm Wide Stainless Steel Bin with Lid (420 x 225)	139 x 420 x 225 mm	12671-3911	£122.27			
139 mm Wide Stainless Steel Bin with Lid (560 x 225)	139 x 560 x 225 mm	12671-3912	£128.24			
139 mm Wide Stainless Steel Bin with Lid (560 x 280)	139 x 560 x 280 mm	12671-3913	£134.20			
139 mm Wide Stainless Steel Bin with Lid (560 x 325)	139 x 560 x 325 mm	12671-3914	£140.17			
139 mm Wide Stainless Steel Bin with Lid (560 x 385)	139 x 560 x 385 mm	12671-3915	£146.13			
139 mm Wide Stainless Steel Bin with Lid (680 x 225)	139 x 680 x 225 mm	12671-3916	£134.20			
278 mm Wide Stainless Steel Bin with Lid (420 x 225)	278 x 420 x 225 mm	12672-7811	£140.17			
278 mm Wide Stainless Steel Bin with Lid (420 x 280)	278 x 420 x 280 mm	12672-7812	£146.13			
278 mm Wide Stainless Steel Bin with Lid (560 x 225)	278 x 560 x 225 mm	12672-7813	£146.13			
278 mm Wide Stainless Steel Bin with Lid (560 x 280)	278 x 560 x 280 mm	12672-7814	£152.10			
278 mm Wide Stainless Steel Bin with Lid (560 x 325)	278 x 560 x 325 mm	12672-7815	£158.06			
278 mm Wide Stainless Steel Bin with Lid (680 x 225)	278 x 680 x 225 mm	12672-7816	£152.10			

INFO: See our website for Stainless Steel Petri Dish Holders. Racking for Liquid Nitrogen **Dewars** is also available - contact STARLAB with your requirements.

## Custom-Made Freezer Racking

We can manufacture any rack you need for your upright or chest freezer. Customised racking allows you optimise the space in your freezer when a) you have standard size storage boxes but the racking offered does not fit well in your freezer, b) you already have a supply of storage boxes that are not a standard format and so require racking to fit those boxes and, c) you have plates or racked tubes of a non-standard height that will fit the shelf heights offered.

#### For custom-made racking, we need the following info:

- ▶ the exact overall dimensions of the box, plate or tube to be used in the racking
- ▶ the brand and model of the freezer in which the racking will be used
- ▶ the style of racking you want (side access or pull out drawers, or chest)

Contact STARLAB with your requirements and we will privide you with a competitive quote!



### **Slide** Storage Cabinets



### Versatile, stackable slide cabinets

A range of powder-coated zintec steel cabinets, all with the same 480 x 480 mm footprint. The cabinets can be used alone or stacked one on top of the other (as shown) in order to make one cabinet from the components of your choice.

- ► Top Cover
- ► **14-drawer slide cabinet:** Holds approximately 6000 (76 x 26 mm) microscope slides
- ► **7-drawer cabinet:** Holds larger (76 x 50 mm) slides or larger wax blocks
- ► 8-drawer block store: Holds blocks and cassettes (approx. 3000). Each drawer has seven rows of 30 mm width sections
- ▶ Base stand

ORDER INFORMATION				
Description	Colour	Dimensions (WxDxH)	Cat. No.	Price Each
Top Cover for Slide Storage Cabinets	Blue	480 x 480 x 25 mm	E1500-1001	£70.17
14-Drawer Slide Cabinet <sup>1)</sup>	Blue	480 x 480 x 140 mm	E1500-1101	£339.20
7-Drawer Slide Cabinet <sup>1)</sup>	Blue	480 x 480 x 140 mm	E1500-1201	£315.81
8-Drawer Block Store	Blue	480 x 480 x 280 mm	E1500-1301	£403.52
Base Stand	Black	480 x 480 x 130 mm	E1500-1408	£87.73
1) Note that drawers do not contain inserts	for holding individua	l slides.		

### **Slide** Storage Trays

	ORDER INFORMATION				
	Description	Capacity	Pack Size	Cat. No.	Price
11	Cardboard slide storage tray  Cardboard trays with horizontal, numbered recesses to protect your slide specimens with the tray cover is closed. Thumb cuts for easy slide removal. Index writing panel on the front.	20 Slides	10	E1500-2009	£39.33
NF	Dimensions (WxDxH): 20-Place: 208 x 341 x 9 mm. 30-Place: 281 x 328 x 10 mm	30 Slides	10	E1500-3009	£68.19

Dimensions (WxDxH): 43 x 88 x 24 mm.

### **Slide** Mailers



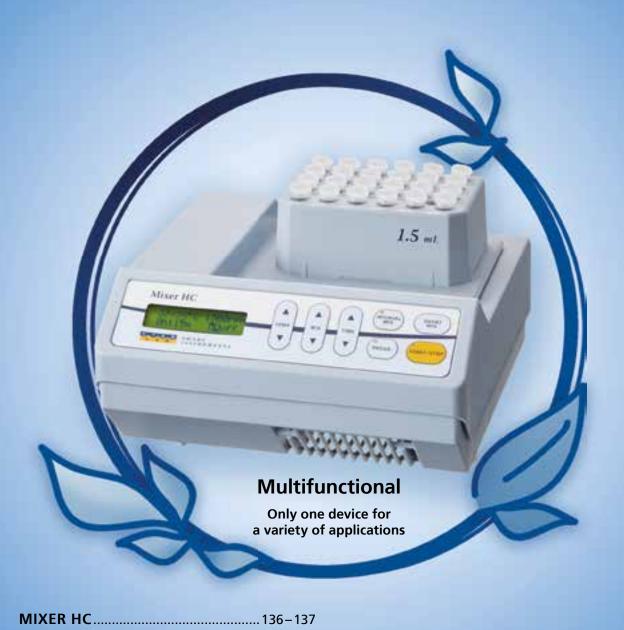


### Polypropylene slide mailers for standard (75 x 25 mm) slides

olour Pack	c Size Cat. N	No. Price
		to. File
atural 25	E1500	0-4000 £15.83
ixed¹) 25	E1500	)-4099 £15.83
	xed <sup>1)</sup> 25	

Holds 2 slides Internal recess keeps slides secure

ORDER INFORMATION				
Description	Colour	Pack Size	Cat. No.	Price
2-Place Slide Mailer	Mixed <sup>1)</sup>	25	E1400-2099	£14.96
Slides not included. <sup>1)</sup> Mixed pack contair Dimensions (WxDxH): 68 x 93 x 5 mm.	ns five each of: Blue, Oran	ge, Red, Violet, Yello	w.	



ASPIRATOR13	38-139	
		DRY BATH II
MIXERS		Mini Dry Bath
Rotator Mixer Multi 1	140	Single & Dual
Microplate Mixer		Bath Beads
Tube Roller	142	
		FREEZER
VORTEXERS		-86° Underber
Vortex		
Vortex IR	144	CENTRIFUGE
		Mini Fuge Plus
SHAKERS		Plate Centrifu
Orbital Shaker	145	
Rocking & Rocking 3D Shaker	146	<b>PCR CABINE</b>
		Airclean® PCR
STIRRERS		
Magnetic Stirrer	147	TIMER
Magnetic Stirrer with Heating	147	Four-Channel

DRY BATH INCUBATORS	
Mini Dry Bath	148
Single & Dual Block Dry Baths	149
Bath Beads	150
FREEZER	
-86° Underbench Freezer	151
CENTRIFUGES	
Mini Fuge Plus	
Plate Centrifuge	153
PCR CABINETS	
Airclean® PCR Cabinets	154–155
TIMER	
Four-Channel Timer/Clock	156

### Mixer HC



### Mixing. Heating. Cooling. Timing. - All combined in one unit to speed up your daily tasks

The Mixer HC is suitable for a wide range of applications due to the selection of exchangeable thermoblocks (sold separately) available for commonly used vials and plates. The powerful motor mixes up to 1500 rpm while the precise thermal element heats samples up to 99° C or cools them down as far as 13° C below room temperature. The intuitive setting of parameters and simple programming makes the Mixer HC very easy to use, with all parameters summarized on one, easy to read display. The robust construction despite its small footprint makes the Mixer HC your new companion for your daily lab work.

Nine exchangeable thermoblocks (sold separately) for a wide range of tube and plate formats are available. The Mixer HC offers precise temperature control and broad temperature range for reliable and reproducible sample preparation

#### **Product features**

- ▶ Mixing, heating, cooling and timing combined in one instrument
- ► Automatic thermoblock recognition simplifies block exchange
- ▶ PROGRAM mode for creation of individual protocols
- ► SHORT MIX function for instant mixing at the push
- ► INTERVAL MIX function for alternating between mixing and resting



The Iso-Rack - Easy handling of multiple samples

Ideal for time-critical applications and high throughput sample preparation, the Iso-Rack holds 24 tubes that can be transferred into a block in a matter of seconds. Available for 0.5 ml and 1.5/2.0 ml microcentrifuge tubes.



### Exchangeable Thermoblocks

Nine different thermoblocks are available for a wide range of applications, covering tube volumes from 0.2 ml up to 50 ml as well as SBS format plates.



	ORDER INFORMAT	ION		
	Description	Pack Size	Cat. No.	Price
	Mixer HC¹¹	1	\$8012-0000	£1670.13
	Accessories			
	Thermoblock 24 x 0.5 ml Microcentrifuge Tubes <sup>2)</sup>	1	\$8012-0010	£341.97
	Thermoblock 24 x 1.5 ml Microcentrifuge Tubes <sup>3)</sup>	1	\$8012-0011	£341.97
	Thermoblock 24 x 2.0 ml Microcentrifuge Tubes <sup>3(4)</sup>	1	\$8012-0012	£341.97
unii	Thermoblock 24 x 2.0 ml Microcentrifuge Tubes Ø 12 mm <sup>5)</sup>	1	\$8012-0013	£429.38
	Thermoblock 8 x 5.0 ml Preparation Tubes	1	S8012-0014	£341.97
-	Thermoblock 8 x 15 ml Conical Centrifuge Tubes	1	\$8012-0015	£341.97
	Thermoblock 4 x 50 ml Conical Centrifuge Tubes	1	\$8012-0016	£341.97
111177	Thermoblock 24 x 1.5/2.0 ml Cryo Tubes	1	\$8012-0017	£341.97
	Thermoblock for Micro/Deepwell Plates, with Lid	1	\$8012-0018	£429.38
	Adapter Plate 96 x 0.2 ml (for use with Thermoblock S8012-0018)	1	\$8012-0019	£117.35
	ISO-Rack for 24 x 0.5 ml Microcentrifuge Tubes	1	\$8012-0020	£49.51
	ISO-Rack for 24 x 1.5/2.0 ml Microcentrifuge Tubes	1	S8012-0021	£48.57

1) Thermoblock is not included 2) Includes Iso-Rack (S8102-0020) for 0.5 ml microcentrifuge tubes (tubes not included) 3) Includes Iso-Rack (S8102-0021) for 1.5/2.0 ml microcentrifuge tubes (tubes not included) 4) Rounded Bottoms 5) V-Shape Bottoms

2-year warranty

### A perfect match -

TubeOne® microcentrifuge tubes

TubeOne® tubes stay sealed during boiling, freezing or centrifuging, and are still easy to open afterwards! Optically clear, the tubes also feature a frosted writing surface. Visit www.starlab.click/**tubeone** or see page 56 for more information



Temperature control range				
Thermoblocks for microcentrifuge tubes	13 °C below room temperature to 99 °C			
Thermoblocks for microcplates / deepwell plates	10 °C below room temperature to 99 °C			
Mixing frequencie	s for thermoblocks			
1.5 / 2.0 ml microcentrifuges tubes	300 – 1400 1/min <sup>1)</sup>			
Speed Range	300 – 1500 rpm - depends on the thermoblock used			
General Unit	Specification			
Sample capacity	Capacity depends on thermoblock used			
Type of movement	orbital			
Operation	Mixing, temperature control, simultaneous mixing and temperature control			
Cooling rate	2 to 3 °C/min			
Heating rate	5 °C/min			
Timing capacity	1 min to 99:59 hours, infinitely adjustable			
Power supply	100 – 240 V, 50/60 Hz			
Max. power consump- tion	90 W			
Dimensions (W × D × H)	220 × 250 × 125 mm			
Weight	3.2 kg			
Autoclavable	No			
Mixing orbit	3 mm			
Permissible Ambient Temperature	4 - 35 °C			
Permissible Relative Humidity	70 % max.			

### **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 guieter working enviroment
- ▶ Intuitive, reproducible adjustment of suction power via touch panel



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  $\mu$ l and 300  $\mu l$  pipette tips is the perfect choice for working with cell-culture plates.



**Hydrophobic Filter** Hydrophobic filter prevents contamination of environment and provides overfill protection.



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

ORDER INFORMATION						
	Description	Pack Size	Cat. No.	Price		
A	Aspirator incl. 4l bottle & controller	1	N2400-9000	£1560.45		
Accessories						
	Hand controller for Aspirator <sup>1)</sup>	1	N2400-9001	£134.64		
4	1-channel tip adapter for controller	1	N2400-9002	£48.74		
are.	8-channel tip adapter for controller <sup>2)</sup>	1	N2400-9003	£361.72		
4	Stand for hand controller	1	N2400-9004	£76.28		
0	Tubing for hand Controller, 2,50m	1	N2400-9005	£10.98		
*	Connection Kit for 2nd hand controller	1	N2400-9006	£31.21		
9	Protection filter with connective tubing	1	N2400-9007	£21.57		
-100	Quick coupling hand controller to bottle	1	N2400-9008	£96.88		
1	Quick coupling bottle to pump	1	N2400-9009	£87.26		
	4l PP-bottle with filter & inlet pipe	1	N2400-9010	£263.89		
ĺ	4l PP-bottle with screw cap	1	N2400-9011	£115.38		
	2l glass bottle with filter & inlet pipe	1	N2400-9012	£295.07		
	Adapter for 2I glass bottle	1	N2400-9013	£37.18		
- C	Mobile underframe	1	N2400-9014	£93.79		
Marin .	Tool for diaphragm change	1	N2400-9015	f8.28		
1) Includes one adapter for pipettes, one adapter for pipette tips, a wall mount and 2.5m of tubing. <sup>2)</sup> Includes a stand.						

$N2400\text{-}9000 \text{ is supplied with 4L PP Bottle, Handcontroller, Adapters for pipettes and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 and 1000 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 \ \mu\text{I}) and a wall also controller and pipette tips (200, 300 \ \mu\text{I}) and a wall also control$
mount for the hand controller.

Want to set up a second hand controller on your Aspirator? This is what you will need to purchase: N2400-9001 and N2400-9006, or N2400 and N2400-9008 which is the recommended combination. 1-year warranty

TECHNICAL SPECIFICATIONS				
Max. pumping speed	16.7 l/min			
Adjustable range of vaccum	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 × D × H)	408 × 194 × 500 mm			
Weight	7.3 kg			



### A perfect match -

CytoOne® Bottle Top Filtration Units



Our Aspirator and our CytoOne® Bottle Top Filtration Units provide the perfect combination for sterile filtration of cell culture solutions.

### More details:

see pages 108-109 or visit www.starlab.click/cytoone

### **Rotator** Mixer Multi 1



#### **Product features**

- ► Controlled sample inverting
- ► Programmable
- ► Three different motions
- ► Variable speed and timer
- ► Low profile and small footprint

#### Mix it up!

Compact and multifunctional, the programmable Rotator Mixer Multi 1 provides thorough mixing of microtubes with consistent results. The rotator is designed for mixing applications including cell suspensions, incubations, extraction procedures, gel washing and precipitations.

The three different motions – vertical rotation, reciprocal motion and vibration - can be used separately or combined, as well as variable speed and timer functions.

Supplied with a standard platform for 26 tubes up to 15 mm diameter (eg. 1.5 ml, 2.0 ml and 15 ml tubes), STARLAB's Rotator Mixer is a practical aid for your daily mixing tasks. An optional platform, for five tubes up to 30 mm diameter (eg. 50 ml tubes) and 12 tubes up to 15 mm diameter, is available separately.



### Vertical Rotation

360 ° vertical motion for a time period 0 - 250 seconds, or non-stop



#### Reciprocal Motion

Direction of platform changes in turns (turning angle 1-90° for 0-250 seconds, or non-stop)



### Vibration

Direction of platform changes in turns (see reciprocal motion) plus additional vibration (turning angle 1 - 5° for 1-5 seconds)



### Pause

Direction of platform changes in turns, including a temporary motion stop of 1-5 seconds (only in conjunction with reciprocal motion)

ORDER INFORMATION							
	Description	Pack Size	Cat. No.	Price			
- Dirim	Rotator Mixer Multi 1	1	N2400-5000	£643.75			
	Accessories						
	Platform for 5x50ml + 12x1.5-15ml tubes	1	N2400-5103	£56.14			
omo	Platform for 26 tubes up to 15mm diameter	1	N2400-5104	£61.75			

N2400-5000 is supplied with platform N2400-5104 2-year warranty

TECHNICAL SPECIFICATIONS			
Speed Range	1-100 rpm (increment 1 rpm)		
Max. Load	0.5 kg		
Timing capacity	Auto switch-off: 1 minute - 24 hours. Vertical or Reciprocal Mode: 0 - 250 seconds, or non-stop. Vibration mode: 0 - 5 seconds		
Dimensions (W $\times$ D $\times$ H)	365 × 195 × 155 mm		
Weight	1.8 kg		
Permissible Ambient Temperature	4 - 40 °C		
Output	1.25 A		



( www.starlab.click/rotatormixer

### **Microplate** Mixer

### Compact and versatile!

This microplate mixer is ideal for the mixing and shaking of any skirted plate (PCR, Cell Culture, Deepwell, Microtitre and Microplates). The mixer can hold either one or two plates, depending on the attachment being used, and can also mix tubes with the special tube adapter accessories. The stepless, variable vibration speed is excellent for applications such as the resuspending of pellets. The small footprint saves space on your bench.



- ► Suitable for use with all skirted plates with SBS footprint
- ▶ Wide range of speed from 0 to 1500rpm
- ► Small footprint
- ► Stepless speed control
- ▶ Various accessories for microtitre plates and tubes



	ORDER I	NFORMAT	ION	
	Description	Pack Size	Cat. No.	Price
9	Microplate Mixer	1	N2400-8040	£457.23
	Ac	cessories		
	Attachment for one microtiter-plate	1	N2400-8041	£13.15
	Attachment for two microtiter- plates	1	N2400-8042	£28.56
	Tube Adapter for 15 x 1.5/ 2.0ml Tubes <sup>1)</sup>	1	N2400-6012	£45.72
	Microplate Mixer Adapter Plate	1	N2400-8043	£13.15
0	Tube Adapter for 8 x 15ml Centrifuge Tubes <sup>1)</sup>	1	N2400-6013	£45.72

1) N2400-6012 and N2400-6013 can only be used as an attachment in combination with N2400-8043.

Microplate Mixer is supplied with an attachment for one plate (N2400-8041) as shown in main image. N2400-8041 and N2400-8042 suitable for use with all skirted SBS footprint plates (127.8  $\times$ 85.5 mm). N2400-6012 and N2400-6013 can also be used with the Vortex (page 143) in combina-

2-vear warranty

TECHNICAL SPECIFICATIONS			
Speed Range	0 – 1500 rpm <sup>1)</sup>		
Max. Load	0.5 kg		
Type of movement	orbital		
Orbital Diameter	meter 4.5 mm		
Power supply	100 – 240 V, 50/60 Hz		
Max. power consumption	20 W		
Dimensions (W × D × H)	150 × 260 × 80 mm		
Weight	3 kg		
Permissible Ambient Temperature 4 - 40 °C			
Permissible Relative Humidity < 80 %			
<sup>1)</sup> 1500 rpm is max. speed with all attachments except for N2400-8042, the max. speed is 1000 rpm.			

www.starlab.click/microplate-mixer



### Tube Roller



# Rock and roll!

Simultaneous rolling and tilting movements ensures thorough mixing. The tube roller is built for continuous operation and is suitable for applications such as hybridisation. The unit offers variable speed control and features a sturdy and robust construction.

#### **Product features**

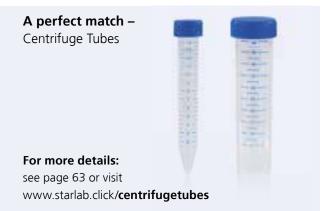
- ► Simultaneous rolling and tilting motion
- ► Continuous operation
- ► Speed control
- ► Six rollers to hold a load up to 4 kg
- ► Easy to use

ORDER INFORMATION					
	Description	Pack Size	Cat. No.	Price	
1	Tube Roller	1	N2400-7010	£557.45	

2-year warranty

TECHNICAL SPECIFICATIONS			
Speed Range	0 – 70 rpm		
Max. Load	4 kg		
Type of movement	orbital		
Unit Material	Polyoxymethylene		
No. of rollers	6		
Power supply	100 – 240 V, 50/60 Hz		
Max. power consumption	25 W		
Dimensions (W $\times$ D $\times$ H)	260 × 460 × 120 mm		
Weight	4.5 kg		
Permissible Ambient Temperature	4 – 40 °C		
Permissible Relative Humidity	< 80 %		
Size of rollers	280 x 30 mm		





# Vortex

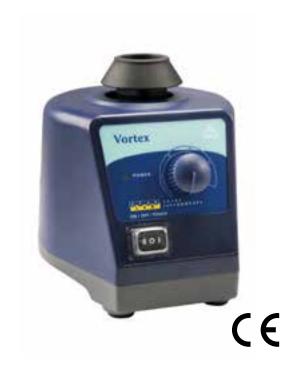
#### Simple and smart!

An economical vortex for quick and convenient mixing of small sample volumes. Supplied with a universal cup for tubes or vessels up to 30 mm, the vortex also has a range of accessories to allow the mixing of various tube sizes as well as skirted plates.

The variable speed provides the gentle mixing of samples up to higher speeds for vigorous mixing and resuspending cells or pellets. Anti-slip feet ensures stability on the bench during mixing.

#### **Product features**

- ► Variable speed control up to 2500 rpm
- ► Two operating modes: continuous and touch
- ► Wide range of accessories
- ► Anti-slip, vacuum suction feet
- ► Small footprint



	ORDER I	NFORMAT	ION	
	Description	Pack Size	Cat. No.	Price
	Vortex	1	N2400-6110	£206.69
	Ac	cessories		
•	Vortex Replace- ment Universal Cup	1	N2400-6011	£13.15
	Tube Adapter for 15 x 1.5/ 2.0ml Tubes <sup>1)</sup>	1	N2400-6012	£45.72
9	Tube Adapter for 8 x 15ml Centrifuge Tubes <sup>1)</sup>	1	N2400-6013	£45.72
SWITHING S	Adapter for 96 Well Microplates	1	N2400-6014	£90.20
	Vortex Adapter Plate	1	N2400-6015	£32.57

Vortex is supplied with an universal cup for tubes (N2400-6011) as shown in main image. N2400-
6012 and N2400-6013 can also be used as an attachment on the Microplate Mixer (see page 141)
in combination with its adapter N2400-6105.

<sup>2-</sup>year warranty

TECHNICAL SPECIFICATIONS		
Speed Range	0 – 2500 rpm <sup>1)</sup>	
Max. Load	0.5 kg	
Type of movement	orbital	
Orbital Diameter	4 mm	
Operation	Two: touch and continuous	
Unit Material	Epoxy painted zinc alloy	
Power supply	110 – 230 V, 50/60 Hz	
Max. power consumption	60 W	
Dimensions (W $\times$ D $\times$ H)	127 × 130 × 160 mm	
Weight 3.5 kg		
Permissible Ambient Temperature 4 - 40 °C		
Permissible Relative Humidity < 80 %		

www.starlab.click/vortex

## Vortex IR



Vortex IR sensor mode
The Vortex IR can be set to Sensor
Mode so the infrared detects the
presence of the tube and automatically starts vibration

	ORDER I	NFORMAT	ION	
	Description	Pack Size	Cat. No.	Price
-	Vortex IR	1	N2400-0001	£280.21
	Ac	cessories		
dib	Foam Attach- ment for 19 x 1.5 ml Tubes	1	N2400-1001	£58.80
0	Foam Attach- ment for 5 x 15 ml Tubes (16 mm)	1	N2400-1002	£58.80
æ	Foam Attach- ment for 4 x 50 ml Tubes (29 mm)	1	N2400-1003	£58.80
	Foam Attach- ment for Micro- titre Plate	1	N2400-1004	£58.80
	Universal Rub- ber Attachment	1	N2400-1005	£32.75
	Customizable Soft Foam Attachment	1	N2400-1006	£47.84
	Replacement Cup for Single Test Tube	1	N2400-1008	£16.38

The Vortex IR is supplied with a cup (N2400-1008) for single test tube (see main image). 2-year warranty

#### Simple, but revolutionary!

The Vortex IR incorporates an optional infrared (IR) motion detector which automatically starts the vibration when a tube crosses the sensor field.

The variable vibration speed allows low speeds for the gentle mixing of samples or higher speeds for vigorous vortex mixing and the resuspending of cells or chemical pellets.

#### **Product features**

- ► Variable speed control up to 3000 rpm
- ► Continuous mode, or sensor mode that automatically starts vibration
- ► No pressure needed to maintain vibration
- ► Low-profile design
- ► Wide range of accessories

TECHNICAL SPECIFICATIONS		
Speed Range	0 – 3000 rpm <sup>1)</sup>	
Max. Load	0.5 kg	
Type of movement	orbital	
Orbital Diameter	4.5 mm	
Operation	Two: sensor and continuous	
Unit Material	Epoxy painted zinc alloy	
Power supply	90 – 260 V, 50/60 Hz	
Max. power consumption	15 W	
Dimensions (W $\times$ D $\times$ H)	180 × 220 × 70 mm	
Weight	2.4 kg	
Permissible Ambient Temperature	4 - 40°C	
Permissible Relative Humidity	< 80 %	
Output	1.25 A	

 $^{\circ}$  Maximum speed 3000 rpm only when using the cup head supplied with the unit. Max. speed use for all other attachments is 1200 rpm, except for N2400-1004 attachment for plates, where max. speed is 800 rpm



# **Orbital** Shaker

#### Shake it all about!

The orbital shaker has two operating modes: continuous or timer. The digital speed and timer displays ensures ease of use. It provides the orbital shaking of your samples from a gentle agitation up to a vigorous orbital motion. The orbital shaker is suitable for a wide range of molecular biology or immunology applications.

The Orbital Shaker is NOT supplied with a platform. Two platforms are available and sold separately so you can customise your shaker to your requirements.



#### **Product features**

- ► Gentle agitation up to vigorous orbital motion
- ► LCD displays for speed and time
- ► Two operating modes: continuous and timer
- ► Choice of two platforms available
- ► Holds load up to 7.5 kg

ORDER INFORMATION					
	Description	Pack Size	Cat. No.	Price	
1	Orbital Shaker (without plat- form)	1	N2400-8030	£1107.77	
	Accessories				
	Universal Platform with Clamping Rolls	1	N2400-8011	£305.81	
团	Universal Platform with Rubber Mat and Bungee Cords	1	N2400-8021	£305.81	

IMPORTANT: N2400-8030 is NOT supplied with a platform. A platform must be purchased separately. N2400-8011 and N2400-8021 can also be used on the Rocking & 3D Rocking Shaker (N2400-8010 / N2400-8020) page 146. 2-year warranty

El)

**Orbital Shaker** Image shows N2400-8030 with N2400-8011 (platform sold separately)

TECHNICAL SPECIFICATIONS			
Speed Range	100 – 500 rpm		
Max. Load	7.5 kg		
Type of movement	orbital		
Orbital Diameter	10 mm		
Operation	Two: timer and continuous		
Display	LCD		
Platform Dimensions	300 x 300 mm		
RS232-Interface	yes		
Timing capacity	1 – 1199 mins (19 hrs 59 mins)		
Power supply	100 – 240 V, 50/60 Hz		
Max. power consumption	30 W		
Dimensions (W × D × H)	420 × 370 × 100 mm		
Weight	13.5 kg		
Permissible Ambient Temperature	4 – 40 °C		
Permissible Relative Humidity	< 80 %		



www.starlab.click/orbitalshaker

# **Rocking** & 3D Rocking Shakers



#### Shaken, not stirred!

STARLAB offers two similar shakers but with different movements: see-saw rocking or 3D. Both shakers have a fixed tilt angle and provide two shaking modes: continuous or timer. The digital speed and timer displays ensure ease of use. Both shakers are supplied with a platform with bungee cords.

An alternative platform with clamping rolls is available separately, making these shakers suitable for a wide range of applications including blotting, cultivation and incubation techniques.

#### **Product features**

- ► See-saw rocking or 3D mixing
- ► Easy to use
- ► LCD displays for speed and time
- Two operating modes: continuous and timer
- Alternative platform available

ORDER INFORMATION					
	Description	Pack Size	Cat. No.	Price	
	3D Rocking Shaker	1	N2400-8020	£1262.51	
9	Rocking Shaker	1	N2400-8010	£1262.51	
	Accessories				
-	Universal Platform with Clamping Rolls	1	N2400-8011	£305.81	
	Universal Platform with Rubber Mat and Bungee Cords	1	N2400-8021	£305.81	

Rocking & 3D Rocking Shakers are both supplied with a universal platform with rubber mat and bungee cords (N2400-8021) as shown in main image. N2400-8011 and N2400-8021 can also be used on the orbital shaker (N2400-8030) on page 145.

TI	TECHNICAL SPECIFICATIONS				
Model	3D Rocking Shaker Rocking Shaker				
Speed Range	10 – 70 rpm				
Max. Load	5 kg	10 kg			
Type of movement	3D mixing	see-saw rocking			
Operation	Two: timer ar	nd continuous			
Display	LO	CD			
Platform Dimensions	300 x 3	300 x 300 mm			
Tilt angle	9 °				
Timing capacity	1 - 1199 mins (19 hrs, 59 mins)				
Power supply	100 – 240 V, 50/60 Hz				
Max. power consumption	50 W 40 W				
Dimensions $(W \times D \times H)$	370 × 420 × 200 mm	370 × 420 × 106 mm			
Weight	9	9 kg			
Permissible Ambient Temperature	4 – 40 °C				
Permissible Relative Humidity	< 80 %				



( www.starlab.click/shakers

# **Magnetic** Stirrer

#### Simple but effective!

Ideal for applications such as buffer preparation, this value for money magnetic stirrer has a compact footprint. Easy to use and built to last, the sturdy construction guarantees reliable stirring with the adjustable stirring speed. The unit is supplied with a 40 mm magnetic stir bar.

#### **Product features**

- ► Variable speed range 100 1500 rpm
- ► Stirring volume up to 3 litres
- ► Includes 40 mm stir bar
- ► Compact design
- ► Easy to Clean

ORDER INFORMATION				
	Description	Pack Size	Cat. No.	Price
	Magnetic Stirrer	1	N2400-2010	£195.42

2-vear warranty



TECHNICAL SPECIFICATIONS			
Speed Range	100 – 1500 rpm (10 rpm steps)		
Max. stirring volume	31		
Plate Diameter	135 mm		
Power supply	100 – 240 V, 50/60 Hz		
Max. power consumption	15 W		
Dimensions (W × D × H)	155 × 215 × 75 mm		
Weight	0.9 kg		
Permissible Ambient Temperature	4 – 40 °C		
Permissible Relative Humidity	< 80 %		

# Magnetic Stirrer with Heating

#### Stir up some heat!

This magnetic stirrer has very fast temperature ramping to help save your time. The ceramic-coated plate ensures an even temperature and has a high resistance to chemicals. It is ideal for many applications including the preparation of solvents at high temperatures. Supplied with a 40 mm magnetic stir bar, the stirrer is easy to use and has a clear LED display showing temperature and speed.

#### **Product features**

- ► Fast temperature ramping saves time
- ► Speed and temperature LED Display
- ► Hotplate safety warning light
- ► Chemically-resistant ceramic-coated plate
- ► Includes 40mm stir bar

ORDER INFORMATION						
	Description	Pack Size	Cat. No.	Price		
	Magnetic Stirrer with Heating	1	N2400-3010	£344.49		
	Accessories					
5	Temperature sensor PT1000	1	N2400-3011	£100.29		

2-year warranty



TECHNICAL SPECIFICATIONS			
Speed Range	200 – 1500 rpm		
Max. stirring volume	31		
Plate Diameter	135 mm		
Power supply	200 – 240 V, 50/60 Hz		
Dimensions (W $\times$ D $\times$ H)	155 × 215 × 75 mm		
Weight	1.4 kg		
Permissible Ambient Temperature	4 – 40 °C		
Permissible Relative Humidity	< 80 %		
Temperature range	Ambient to 280 °C with 1 °C increments		



# Mini Dry Bath Incubator



#### Tiny, but powerful!

A very small yet powerful unit suitable for a range of applications. The digital microprocessor controls the preset temperature of the metal block and the fast ramping of temperature saves your valuable time. Supplied with a transparent lid for temperature uniformity, the unit can also be used as a mini water bath or bead bath.

#### **Product features**

- ► Microprocessor controlled temperature and timer
- ► Very small footprint
- ► Easy, user calibration
- ► Digital display
- ► Can also be used as a mini water or bead bath

	ORDER I	NFORMAT	ION	
	Description	Pack Size	Cat. No.	Price
	Mini Dry Bath Incubator <sup>1)</sup>	1	N2400-4020	£236.04
	Ac	cessories		
	Mini Dry Bath Metal Block for 32 x 0.2ml Tubes	1	N2400-4021	£48.17
	Mini Dry Bath Metal Block for 12 x 0.5ml Tubes	1	N2400-4022	£48.17
	Mini Dry Bath Metal Block for 12 x 1.5ml Tubes (Conical)	1	N2400-4023	£48.17
	Mini Dry Bath Metal Block for 12 x 1.5/2.0ml Tubes (V-Shaped)	1	N2400-4024	£48.17
	Mini Dry Bath Metal Block for 6 x 15ml Tubes	1	N2400-4025	£48.17
•	Mini Dry Bath Metal Block for 2 x 50ml Tubes	1	N2400-4026	£48.17

TECHNICAL SPECIFICATIONS				
Unit Material	Block Material: Aluminium alloy Heating Chamber Material: Moulded aluminium alloy coated with PTFE			
Safety Device	Leak-proof heating chamber and over-heating alarm protection			
Controller	Digital microprocessor			
Display	digital			
Temp. Control Range - Dry Bath	5 °C above ambient to 100 °C			
Temp. Control Range - Water Bath	5 °C above ambient to 90 °C			
Temperature increase	0.1 °C			
Temperature calibration	yes			
Temperature uniformity	±0.2 °C at 37 °C			
Temperature accuracy	±0.25 °C at 37 °C			
Water bath volume	85 ml (approx.)			
Fuse	2 A			
Timing capacity	0-999 mins, continuous			
Power supply	100 – 240 V, 50/60 Hz			
Max. power consumption	50 W			
Operating temperature	Ambient to 40 °C (0.1°C increments)			
Dimensions (W $\times$ D $\times$ H)	125 × 153 × 97 mm			
Weight	0.6 kg			



www.starlab.click/mini-dry-bath

# **Dry** Bath System (Single and Dual)

#### Dry bath, wet bath!

Designed for a wide variety of applications. Additional function of a water bath. Available as single or dual block units, these systems offer great value and convenience for the user.

#### **Product features**

- ▶ Microprocessor controlled timer and temperature
- ► Easy user calibration
- ► Digital display
- ► Single or dual block units available
- ▶ Use as mini water bath or bead bath possible



	ORDER I	NFORMAT	ION	
	Description	Pack Size	Cat. No.	Price
2	Dry Bath System (Single Block) <sup>1)</sup>	1	N2400-4001	£343.92
1	Dry Bath System (Dual Block) <sup>1)</sup>	1	N2400-4002	£497.76
	Ac	cessories		
	Metal Block for 64 x 0.2ml Tubes	1	N2400-4100	£93.83
	Metal Block for 20 x 1.5ml or 2.0ml Tube	1	N2400-4101	£93.83
-	Metal Block for 12 x 15ml Centrifuge Tube	1	N2400-4102	£93.83
	Metal Block for 4 x 50ml Centri- fuge Tubes	1	N2400-4103	£93.83
	Metal Block for 20 x 1.5ml Tubes (V-Bottom)	1	N2400-4104	£93.83
	Metal Block for 20 x 0.5 ml Tubes	1	N2400-4105	£93.83
	Metal Block for 20 Tubes up to 13mm Diameter	1	N2400-4106	£93.83
	Metal Block for 96-Well PCR Plates (Single)	1	N2400-4107	£156.38
	Metal Block for 96-Well PCR Plates (Dual)	1	N2400-4108	£212.78

1) Metal Blocks are not included and must be purchased separately.
All metal blocks are supplied with a screw-in handle for easy insertion and removal.

<sup>2-</sup>year warranty

TECHNICAL SPECIFICATIONS					
Model	Dry Bath System (Single Block)	Dry Bath System (Dual Block)			
Unit Material	Aluminium				
Safety Device	Leak-proof heating chamber				
Controller	Digital Mici	roprocessor			
Display	dig	ital			
Temperature increase	0.1	°C			
Temperature calibration	yes				
Temperature uniformity	±0.2 °C				
Temperature accuracy	±0.2 °C				
Water bath volume	400 ml 800 ml				
Block Dimensions	80 x 105 x 50 mm (except N2400-4108)				
Timing capacity	0-999 minutes				
Power supply	22	0 V			
Operating temperature	5 °C above ambient to 150 °C				
Dimensions (W $\times$ D $\times$ H)	200 × 270 × 80 mm 200 × 290 × 80 mm				
Weight	2.6 kg	2.8 kg			





# **Bath** Beads



#### Never wash or refill a water bath again!

Replace water in your water bath with these thermally efficient pellets that hold tubes and other vessels in place without the need for racks or other accessories. Bath beads eliminates water bath maintenance such as emptying, cleaning, monitoring, and refilling the water bath, as well as the need for racks, floaties and bottleneck weights.

#### **Product features**

- ▶ Eliminates the chances of water-borne contamination
- ► Gas impermeable
- ► High thermal conductivity
- ► Reduces your water consumption
- ► Can be washed, sterilised or autoclaved

ORDER INFORMATION					
	Description	Pack Size	Cat. No.	Price	
	Bath Beads 0.5 L	1	N2400-4900	£138.54	
	Bath Beads 4.0 L	1	N2400-4901	£540.75	
	Bath Beads 12 L	1	N2400-4902	£1699.50	

Suitable for use in standard, unstirred water baths only.

TECHNICAL SPECIFICATIONS					
Volume	0.5 L 4.0 L 12 L				
Temperature range	-100°C to +400°C				





# -86°C Underbench Freezer



Keep it	chilled!
At last,	a small

#### -86°C freezer that is affordable!

Store your samples in this space saving, eco-friendly unit directly under your lab bench. The freezer is compatible with a range of storage boxes and racks. Limited maintenance, whilst easy to install and move. A great choice if you are looking for a small size, energy efficient freezer with a great storage capacity. Use one of our stainless steel racks that fit perfectly inside the freezer to utilise storage capacity to the full. Racks are available to hold 50 mm, 75 mm or 100 mm high storage boxes with standard 133 x 133 mm footprint.

#### **Product features**

- ► Use as your personal -80°C storage place
- ► Reduces heat and noise in your laboratory
- ► USB port for temperature logger
- ▶ No filter; maintenance free!
- ► 50 hour battery backup

ORDER INFORMATION				
	Description	Pack Size	Cat. No.	Price
	Underbench Freezer	1	N2700-1000	£5005.00
	Acc	cessories		
100 100 100 000	U100 Rack for 50 mm High Boxes, 74 places	1	N2700-1001	£1200.00
	U100 Rack for 75 mm High Boxes, 45 places	1	N2700-1002	£1200.00
	U100 Rack for 100 mm High Boxes, 33 places	1	N2700-1003	£1200.00



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Shelving U100 Freezer is supplied with two shelves



**Stainless Steel Racking** U100 Freezer shown with racking and storage boxes (sold separately) to utilise storage capacity perfectly!

TECHNICAL SPECIFICATIONS		
Power supply 220 V		
Dimensions (W × D × H)	595 × 585 × 825 mm	
Weight	65 kg	
Output	220-240V, 50/60 Hz	
Temperature range	-60 °C to -86 °C	

www.starlab.click/underbench-freezer

## A perfect match -

STARLAB Storage Boxes



We offer a wide range of storage boxes. For more details see pages 114-120

or visit www.starlab.click/sample-storage

# Mini Fuge PLUS



#### Every bench should have one!

The Mini Fuge PLUS centrifuge is ideal for quick spin down of condensate, vortexed or thawed samples. Microfiltration and cell seperation with a speed of 2000 x g is also possible.

#### **Product features**

- ▶ 8-place rotor for 0.2/0.5/1.5/2.0 ml tubes, including screw cap tubes
- ▶ 32-place strip rotor for 0.2 ml tubes or strips
- ► Quick, easy rotor change without the need for tools
- ▶ Option of electronic braking or gradual spin stop
- ► Second lid switch for added safety

	ORDER INFORMATION				
	Description	Pack Size	Cat. No.	Price	
-	Mini Fuge PLUS	1	N2631-0017	£253.42	

Mini Fuge PLUS is supplied with two rotors – 'Standard' for use with 1.5/2.0 ml tubes, and  $\hbox{`Strip' for use with 0.2 ml tubes. Includes adapters to convert the Standard rotor for use with}\\$ 0.2 and 0.5 ml tubes.

2-year warranty



TECHNICAL SPECIFICATIONS		
Speed	6000 rpm	
Fuse	0.35 A	
Power supply	100 – 240 V, 50/60 Hz	
Operating temperature	5 - 40 °C	
Dimensions (W × D × H)	15 × 15 × 11.6 cm	
Weight	1.2 kg	
Permissible Ambient Temperature	5 - 40 °C	
Permissible Relative Humidity	>80%	
RCF	2000 × g	



www.starlab.click/minifuge-plus



# Plate Centrifuge





The plate centrifuge makes the safe and quick spin down of droplets and condensation very easy. Sealed plates are loaded vertically and surface tension keeps samples in place so there is no danger of spilling samples. The centrifuge accepts all plates up to 25 mm high. An optional adaptor is available for centrifuging 48-well PCR plates and 0.2 ml PCR tubes or strips.

#### **Product features**

- ▶ Less than quarter the size of most plate centrifuges
- ► Accommodates two plates
- ► Rapid start to stop

 $\epsilon$ 

- ▶ Use before and after thermal cycling to increase PCR yield
- ► Accepts skirted, semi-skirted and non-skirted plates

	ORDER INFORMATION			
	Description	Pack Size	Cat. No.	Price
1	Plate Centrifuge	1	N2631-0008	£626.34
	Accessories			
	Adapter for 1/2 plates, strips and tube	1	N2631-0018	£44.21

TECHNICAL SPECIFICATIONS		
Speed	2500 rpm	
Rotor capacity	Two plates, any style, up to 25 mm high	
Fuse	0.5 AT	
Power supply	230 V, 50/60 Hz	
Operating temperature	4 – 30 °C	
Dimensions (W $\times$ D $\times$ H)	190 × 210 × 193 mm	
Weight	1.5 kg	
Permissible Relative Humidity	< 85%	
RCF	500 × g	



www.starlab.click/platecentrifuge

#### A perfect match -

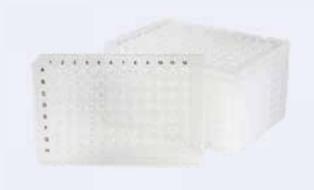
**PCR Plates** 

STARLAB offers a comprehensive range of high-quality PCR plates that provide reproducible results.

#### For full details:

See pages 72-75 or visit www.starlab.click/pcrplates





## **PCR** Cabinets



#### Get results - not background!

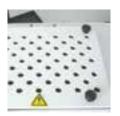
AirClean® Systems PCR Workstations are designed as application solutions for the manipulation and amplification of RNA and DNA. Cross-contamination during amplification of RNA and DNA can lead to results that are inaccurate — results that cost you valuable time and consume expensive reagents.

AirClean® Systems PCR Workstations offer a controlled environment for PCR applications to improve the odds for getting accurate results.

#### **Product features**

- ► UVTect<sup>TM</sup> microprocessor monitors the life of the consumables so you know they are working effectively
- ▶ Polycarbonate design to reflect UV energy
- ► Folding sash for full and easy access
- ▶ One piece construction ensures no UV energy can
- ► Supplied ready-assembled just plug and play!





**Pre-filtration** Pre-filtration of gross particles via the electrostatic prefilter prolongs the life of the HEPA filter (Laminar Flow models only).



HEPA filter HEPA filter for Class 100 (ISO 5) particulate-free environment (Laminar Flow models only)



AirClean display  $\mathsf{UVTect}^{\mathsf{TM}}\ \mathsf{microprocessor}$ controller monitors the life of the consumables so you can be sure both your filter and UV bulb is working effectively



Sash overlap Sash overlap eliminates potential exposure to harmful shortwave UV irradiation



**Built-in safety** Built-in safety switch automatically shuts off the UV light (and turns on the blower when the sash is opened - Laminar Flow models only)



IIV reflection

Constructed from polycarbonate which reflects UV light to efficiently irradiate all surfaces and objects within the cabinet. Polycarbonate does not turn yellow and crack over time in the way cabinets made from acrylic often do



Internal shelf Shelf situated directly under UV lamp so your critical items are close to the UV energy

source

Flat polypropylene base Flat polypropylene base for easy and comfortable use during pipetting - no uncomfortable ledges to lean on!



Slip hatch Convenient slip hatch for equipment leads; keeps them tidy and away from your working area



Trolley stand Optional trolley stand available

PCR CABINETS			
Description	Pack Size	Cat. No.	Price
	Dead Air Cabinets		
Dead Air Cabinet 32 " 1)	1	N2540-8400	£2786.15
Dead Air Cabinet 48" 1)	1	N2540-8500	£3517.07
L	aminar Flow Cabinets		-
Laminar Flow Cabinet 32" 2)	1	N2530-8200	£3415.84
Laminar Flow Cabinet 48" 2)	1	N2530-8300	£4621.55

<sup>1)</sup> These cabinets do not have a filter system. They provide a circulation-free environment with UV light sterilisation.

<sup>1-</sup>year warranty

PCR CABINET ACCESSORIES			
Description	Pack Size	Cat. No.	Price
Trolle	ey Stand		
Trolley for 32" Workstations <sup>1)</sup>	1	N2520-3200	£687.58
Trolley for 48" Workstations <sup>1)</sup>	1	N2520-4800	£820.14
UV	Bulbs		
UV Bulbs (Pack of 4)1)	4	N2530-1500	£232.38
Pre	-Filters		
Pre-Filters for 32" Laminar Flow (Pack of 12)	12	N3942-7500	£205.03
Pre-Filters for 48" Laminar Flow (Pack of 12)	12	N3952-7518	£246.05
HEP/	\ Filters		
HEPA Filter for 32" Laminar Flow	1	N3942-7000	£314.39
HEPA Filter for 48" Laminar Flow (2 required)	1	N3952-7018	£273.38
<sup>1)</sup> For use with both Dead Air and Laminar Flow units.			-



STARLAB offers a comprehensive range of high-quality PCR plates that provide reproducible results. For full details: See pages 72–75 or visit www.starlab.click/pcrplates

A perfect match -Multi-Tube Racks



#### More details:

See page 124 for our range of racks, ideal for use in the hood or visit www.starlab.click/tuberacks

TECHNICAL SPECIFICATIONS				
Model	Dead Air Cabinet 32" Dead Air Cabinet 48" Laminar Flow Cabinet 32" Laminar Flow			Laminar Flow Cabinet 48"
Power supply	220 V			
Dimensions (W $\times$ D $\times$ H)	813 mm × 610 cm × 762 mm	1219 mm × 610 cm × 813 mm	813 mm × 610 cm × 762 mm	1219 mm × 610 cm × 813 mm
Weight	46	i kg	82	2 kg
Air velocity	r	n/a	di	gital
Fluorescent bulb		yes		
HEPA Filter	no		yes	
HEPA Filter Life Monitor	no		yes	
Lab Event Timer	yes			
Pre-Filter	no		)	/es
UV Bulb	1 x 15 W, 254 nm 2 x 15 W, 254 nm			V, 254 nm
UV Bulb Life Monitor		yes		
UV Light Timer		0 – 60 mins (digital)		
UV Safety Interlock Switch		yes		
UVTect Controller		у	res	
Variable Speed Blow Control	r	n/a	yes	

www.starlab.click/airclean

<sup>&</sup>lt;sup>2)</sup> Pre- and HEPA filters provide a Class 100 (ISO 5) vertical laminar flow environment in combination with UV light sterilisation.

# Four Channel Timer / Clock





#### Timing is everything!

Timer/Clock with a large easy to read LED display. There are four channels on which cycles can be independently or simultaneously set. You can easily toggle between your pre-set channels and the clock in order to keep on top of your experiments, or to know when it's lunch!

#### Need a calibrated timer?

To receive a pre-calibrated Timer: Calibration of Timer (C0003-0000) must be ordered at the same time as Timer (N9900-0001), on the same Purchase Order No. We will then know to calibrate the Timer prior to shipping, and send it with a Certificate of Calibration.

#### **Product features**

- ► Allows four different timings at the same time
- ► Alarm auto switch-off saves battery life
- ► Convenient bench stand and magnetic strip
- ► Large, easy to read display

ORDER INFORMATION				
	Description	Pack Size	Cat. No.	Price
	Four Channel Timer / Clock	1	N9900-0001	£17.27
B230	Calibration of Timer	1	C0003-0000	£8.00

To receive a pre-calibrated Timer, N9900-0001 and C0003-0000 must be ordered on the same purchase order. 1-year warranty

TECHNICAL SPECIFICATIONS		
Timing capacity 99 hours, 59 mins, 59 seconds		
Timer	Count down / count up	
Dimensions (W × D × H)	73 × 13 × 59 mm	
Alarm	Audible (for one min at end of cycle)	
Clock	12 hr/24 hr	
Operating modes	4	
Power	2 x LR44 batteries (included)	





#### **DISPOSABLE GLOVES**

Your Personal Protection	158
Guidelines and Standards	159
StarGuard® Nitrile gloves	160–162
StarGuard® Latex gloves	163
StarGuard® Specifications	164
StarGuardselect	165
Glove Box Dispenser	165
Microflex® Gloves	

#### **BENCHTOP SAFETY**

Safety Spill Trays & Liners	172
Lab Bench Mat	

## LABORATORY DISINFECTANT

EADORATORT DISHTECTART	DISTOSAL
Chemgene Disinfectant170	Autoclavable Sweet Jars174
Distel Disinfectant171	Autoclave Bags & Tape174

## **Your** Personal Protection



Providing certified protection

Our range of StarGuard® gloves are in compliance with the highest EN safety standards. For the newest EN ISO 374-1, all gloves are classified as Type B and therefore belong to a high protection class against chemicals and micro-organisms. Two of our gloves have an **Acceptable Quality Level (AQL) of 0.65**.

All gloves have been tested against a variety of chemicals to EN16523-1:2015 standards (see Chemical Breakthrough Times available separately). For EN ISO 374-5, they also fulfill the ISO 16604:2004 which states the protection against bacteria, fungi and virus.











STARLAB is committed to providing the best hand protection available. Regardless of the application and user preferences, our four StarGuard® disposable gloves offer daily protection in the laboratory without sacrificing comfort.

Choose the StarGuard® glove best suited to your daily demands:

**COMFORT** – for enhanced nitrile comfort and dexterity

**PROTECT** – for nitrile strength and durability

**SENSITIVE** – comfortable nitrile protection that is clinically proven to reduce the potential of contact dermatitis

**TOUCH** – if you prefer the secure grip and tactile sensitivity of latex

#### Manufactured to the highest standards

All StarGuard® gloves are manufactured to the highest standards and have been tested and certified by a third-party notified body.

#### ALL StarGuard® gloves are in compliance with:

- ► EU Regulation 2016/425, PPE Category III.
- ► European Medical Device Directive 93/42/EEC, Class I Medical Device
- ► EN 420:2003 General requirements for protective gloves
- ► EN ISO 374-1:2016 Protection against chemicals and micro-organisms
- ► EN 374-2:2014 Protection against penetration by micro-organisms
- ► EN 16523-1:2015 Permeation by liquid chemicals under conditions of continuous contact
- ► EN 374-4:2013 Determination of resistance to degradation
- ► EN ISO 374-5:2016 Requirements for micro-organisms risks
- ► ISO 16604:2004 Protection against penetration by blood-borne pathogens
- ► EN 455 Parts 1, 2 & 3 Medical gloves for single use
- ► ISO 11193-1 Single-use medical gloves
- ► ISO 21171 / ASTM D6124 Determination of removable surface powder



# Guidelines and standards

#### **Personal Protective Equipment**

In Europe, Personal Protective Equipment (PPE) is either a device, clothing, glove or appliance, worn or held by a person at work, which is designed to protect that person against one or more health and/or safety hazards.

There are three categories of PPE:

- ► Category I (Simple Design) for use against minimal or minor risks
- ► Category II (Intermediate Design) for use against intermediate or reversible risks
- ► Category III (Complex Design) for use against mortal or irreversible risks

PPE meeting the basic requirements of the EU Regulation 2016/425 is considered safe to be sold in Europe, and can be recognised as such by the CE Mark and other relevant information. The type of markings, pictograms and information provided with a particular PPE will vary depending on what the PPE is designed for. Where disposable gloves are concerned, the following is generally used (see table below):



#### Who's certifying your gloves for PPE Compliance? Where is the Notified Body's ID Number on the box for the gloves you're wearing?

Without a number under the CE mark to identify the Third Party Registrar, the glove manufacturer is self-declaring the glove's EN credentials.

European Standard	Pictogram	Performance Ranking	Description					
	EN ISO 374-1:2016/Type A	Type A Minimum breakthrough time for at least 6 reference chemicals >30 min.	List of 18 test Code letter A B C D E	(or "reference") chemicals whic <b>Chemical</b> Methanol Acetone Acetonitrile Dichloromethane Carbon disulphide	ch are used for glo CAS number 67-56-1 67-64-1 75-05-8 75-09-2 75-15-0	Class Primary alcohol Ketone Nitrile compound Chlorinated paraffin Organic compound containing		
EN 374-1:2016 Terminology and performance requirements for chemical risks	EN ISO 374-1:2016/Type B	Type B Minimum breakthrough time for at least 3 reference chemicals >30 min.	F G H I J	Toluene Diethylamine Tetrahydrofuran Ethyl acetate n-heptane 40 % Sodium hydroxide	108-88-3 109-89-7 109-99-9 141-78-6 142-82-5 1310-73-2	sulphur Aromatic hydrocarbon Amine Heterocyclic and ether compounc Ester Saturated hydrocarbon Inorganic base		
	Type C Minimum breakthrough time for one reference chemical >10 min.	M N O P S or Q T or R	96 % Sulphuric acid 65 % nitric acid 65 % nitric acid 99 % acetic acid 25 % ammonium hydroxide 30 % hydrogen peroxide 40 % hydrofluoric acid 37 % formaldehyde emicals* shall be identified by their cod	7664-93-9 7697-37-2 64-19-7 1336-21-6 7722-84-1 7664-39-3 50-00-0 le letter under the flask	Inorganic mineral acid Inorganic mineral acid Organic acid Organic base Peroxide Inorganic mineral acid Aldehyde pictogram.			
EN 374-2:2014 Determination of resistance to penetration	no official pictogram	Level 1: AQL of 4.0 Level 2: AQL of 1.5 Level 3: AQL of 0.65	Tested for protection against liquid penetration and micro-organisms. Freedom from holes tested by air or water leak test for Acceptable Quality Level (AQL). PPE Gloves must be at least Level 2.					
EN 16523-1:2015 Permeation by liquid chemicals under conditions of continuous contact	no official pictogram	Level 1: >10 min Level 2: >30 min Level 3: >60 min Level 4: >120 min Level 5: >240 min Level 6: >480 min	Chemical Brea moving through	evels which describes the resist. Akthrough is the time from the s gh the material at a defined rate the minimum breakthrough tim	tart of the test to 1 of 1µg per cm² pe	he time the chemical is detected		
EN 374-4:2013 Determination of resistance to degradation by chemicals	no official pictogram	no performance requirements	Degradation is chemicals" no	s the change of puncture resista sted below the pictogram of EN	nce after chemical ISO 374-1.	contact with the claimed "referenc		
EN 374-5:2016 Terminology and performance	EN ISO 374-5:2016	Minimum AQL of 1.5	Protection aga	ainst bacteria and fungi.				
requirements for micro-organisms risks	EN ISO 374-5:2016	< 1 PFU* within Assay titer *Plaque-Forming Unit	ISO 16604:20 Clothing for p of protective of Phi-X 174 bac	rotection against contact with b clothing materials to penetration	olood and body flui o by blood-borne p	ds - Determination of resistance athogens - Test method using		

# StarGuard® Comfort

















#### Recommended for use when:

- ► Work demands dexterity and tactile sensitivity
- ► You require a lightweight glove with exceptional fit
- ► You want to reduce hand fatigue caused by gloves
- ► Comfort and chemical protections needs to combinate
- ► Testing or handling food stuffs

#### Combating hand fatigue

Hand fatigue not only severely impacts the work you do today, it can also have long-term ramifications. StarGuard® Comfort is recognised as an **Ergonomic Certified** glove that provides measurable ergonomic benefits to the user by improving comfort and fit, and minimising the risk factors that may contribute to ergonomic injuries.<sup>2)</sup>



ORDER INFORMATION							
Description	Pack Size	Cat. No.	Price				
StarGuard® Comfort, Nitrile Gloves, XS	10 × 250	SG-C-XS	£358.00				
StarGuard® Comfort, Nitrile Gloves, S	10 × 250	SG-C-S	£358.00				
StarGuard® Comfort, Nitrile Gloves, M	10 × 250	SG-C-M	£358.00				
StarGuard® Comfort, Nitrile Gloves, L	10 × 250	SG-C-L	£358.00				
StarGuard® Comfort, Nitrile Gloves, XL <sup>1)</sup>	10 × 230	SG-C-XL	£358.00				
1) 230 gloves per box XL, 2) www.us-ergo.	.com						



An extremely soft and strong glove that provides improved tactile sensitivity to help reduce the risk of hand fatigue.

Enhanced comfort by improved fit

- ► Certified to minimise the risk of ergonomic hand injuries
- ► A thinner-feel nitrile glove, ideal for work that requires great dexterity
- ► Larger pack size helps the environment by reducing packing materials and transportation



PPE Cat. III Complex Design Light Blue Nitrile Glove. Textured Fingers Length: 245 mm. 250 Gloves per Box<sup>1)</sup>



#### Improved fit and longer length

StarGuard® Comfort have snug fitting fingers and are 245 mm long to provide full cover over the wrist.



**Comfortable ...** made from soft nitrile for enhanced comfort and tactile sensitivity



... yet Strong
an extremely soft but strong glove that
provides excellent elasticity



## StarGuard® Protect











AQL 0.65

#### Strength and durability for reliable protection

A strong and comfortable glove that provides reliable protection against day-to-day laboratory hazards.

- Combines strength and durability for everyday protection
- ► Comfort, tactile sensitivity and consistent grip
- ► Excellent chemical splash protection
- ► Longer glove length (250 mm) covers the wrist



PPE Cat. III Complex Design Violet-Blue Nitrile Glove. Textured Fingers Length: 250mm. 100 Gloves per Box

#### Recommended for use when:

- ▶ Everyday protection requires strength and durability
- ► You need for excellent chemical splash protection
- ► A combination of protection and reliable, consistent grip is needed
- ▶ Protection is crucial while performing delicate tasks

#### **Everyday protection from hazards**

Nitrile gloves provide the best chemical splash resistance in a disposable glove, as well as excellent barrier protection against biohazards, water miscible substances, weak acids, and alkalis (pH 4-10), aliphatic solvents and grease.

#### Outstanding chemical breakthrough times

- ► Acrylamide (40%) > 480 mins
- ► Ethidium Bromide (5%) > 480 mins
- ► Gluteraldehyde (50%) > 480 mins



#### For everyday, reliable protection

The durable but soft material offers excellent comfort while performing delicate tasks, without compromising splash protection.

ORDER INFORMATION							
Description	Pack Size	Cat. No.	Price				
StarGuard® Protect, Nitrile Gloves, XS	10 × 100	SG-P-XS	£155.35				
StarGuard® Protect, Nitrile Gloves, S	10 × 100	SG-P-S	£155.35				
StarGuard® Protect, Nitrile Gloves, M	10 × 100	SG-P-M	£155.35				
StarGuard® Protect, Nitrile Gloves, L	10 × 100	SG-P-L	£155.35				
StarGuard® Protect, Nitrile Gloves, XL	10 × 100	SG-P-XL	£155.35				



**Longer!** 250 mm long to provide splash protection for your hand and wrist



Strength and durability hand protection you can rely on everyday



# StarGuard® Sensitive

















#### Recommended for use when:

- ► Concerns with glove contaminants interfering with experiments or sensitive products must be eliminated
- ► Working in wet conditions
- ► The everyday use of small instruments demands a dexterous, lightweight glove
- ▶ Users have concerns regarding hand health
- ► Testing or handling food stuffs

#### **Low Dermatitis Potential glove**

StarGuard® Sensitive gloves have been clinically shown to reduce the incidence of the redness and itching associated with contact dermatitis.

They carry the US Food & Drug Administration (FDA) authorised claim for 'Low Dermatitis Potential'. StarGuard® Sensitive are extremely strong and comfortable, and an excellent choice for everyday use. You don't have to be susceptible to allergies to appreciate the quality and comfort of these gloves!

#### Accelerator-free hand protection for sensitive skin

A strong, lightweight glove that provides dexterity and comfort during long periods of wear, and is also kind to your hands.

- Low Dermatitis Potential ideal for users with sensitive skin
- ► Contains no contaminants to interfere with experiments
- ► Textured fingers for improved tactile sensitivity
- Excellent grip in wet conditions



PPE Cat. III Complex Design Blue Nitrile Glove. Textured Fingers Length: 250mm. 200 Gloves per Box



#### **Excellent grip in wet conditions**

A reduced amount of surfactants used during the manufacture of StarGuard® Sensitive results in an improved grip in wet conditions to rival that of latex gloves.

ORDER INFORMATION							
Description	Pack Size	Cat. No.	Price				
StarGuard® Sensitive, Nitrile Gloves, XS	10 × 200	SG-N-XS	£256.66				
StarGuard® Sensitive, Nitrile Gloves, S	10 × 200	SG-N-S	£256.66				
StarGuard® Sensitive, Nitrile Gloves, M	10 × 200	SG-N-M	£256.66				
StarGuard® Sensitive, Nitrile Gloves, L	10 × 200	SG-N-L	£256.66				
StarGuard® Sensitive, Nitrile Gloves, XL	10 × 200	SG-N-XL	£256.66				





**Comfortable**A lightweight glove that also provides exceptional strength



**200 gloves per box** helps to conserve the environment by reducing packing materials, energy and fuel, and storage space

# StarGuard® Touch













#### Secure grip and tactile sensitivity

StarGuard® Touch is a comfortable, fully-textured latex glove that provides a secure, consistent grip and excellent tactile sensitivity.

- ► Excellent grip in both wet and dry conditions
- ► Great elasticity for comfort during long periods
- ▶ Ideal for work that requires great dexterity



**PPE Cat. III Complex Design Natural Latex Glove. Fully Textured** Length: 245 mm. 100 Gloves per Box\*

#### Recommended for use when:

- ▶ Durable comfort is required for lasting wear
- ► Working with blood-borne pathogens
- ► Secure and consistent grip is necessary for handling small instruments
- ► Tactile sensitivity is a must for working with a range of different instruments

Latex gloves provide the best elasticity in a disposable glove, as well as excellent barrier protection against blood-borne pathogens and other biohazards, water miscible substances, weak acids, and alkalis (pH 4-10).



#### Secure, latex grip

Latex gloves are ideal for work with small instruments. StarGuard® Touch are fully textured for a secure, consistent grip with the tactile sensitivity of latex.

ORDER INFORMATION							
Description	Pack Size	Cat. No.	Price				
StarGuard® Touch, Latex Gloves, XS	10 × 100	SG-T-XS	£97.26				
StarGuard® Touch, Latex Gloves, S	10 × 100	SG-T-S	£97.26				
StarGuard® Touch, Latex Gloves, M	10 × 100	SG-T-M	£97.26				
StarGuard® Touch, Latex Gloves, L	10 × 100	SG-T-L	£97.26				
StarGuard® Touch, Latex Gloves, XL1)	10 × 90	SG-T-XL	£97.26				
1) 90 gloves per box XL							





Natural rubber for tactile sensitivity



**Fully textured** 

# **StarGuard**® Glove Specifications

	StarGuard® COMFORT	StarGuard® PROTECT	StarGuard® SENSITIVE	StarGuard® <b>TOUCH</b>	
Gloves per Case	10 x 250 (XL 230)	10 x 100	10 x 200	10 x 100 (XL 90)	
Glove Type	Nitrile	Nitrile	Nitrile	Latex	
Туре		Powder-Free, Ambidextro	us, Single Use, Non-Sterile		
Colour	Light-Blue	Violet-Blue	Blue	Natural	
Cuff	Beaded	Beaded	Beaded	Beaded	
Texture	Fingers	Fingers	Fingers	Fully	
Weight (g)	3.5	5.2	4.2	6	
Length (mm)	245	250	240	245	
Cuff Thickness (mm)	0.06	0.09	0.06	0.10	
Palm Thickness (mm)	0.07	0.11	0.07	0.13	
Finger Thickness (mm)	0.11	0.18	0.10	0.16	
Minimum Elongation before Aging (%)	500	500	500	650	
Elongation after Aging (%)	400	400	400	600	
Tensile Strength before Aging (MPa)	33	30	29	22	
Tensile Strength after Aging (MPa)	31	29	14	20	
Force at Break before Aging (N)	7	10	7	9	
Force at Break after Aging (N)	7	11	7	6	
Shelf Life (years)	3	3	3	4	
AQL	0.65	0.65	1.5	1.5	
PPE EU Regulation 2016/425		Personal Protective Equi	pment (PPE) Category III		
MDD 93/42/EEC		Medical De	evice Class I		
EN420		In compliance, Sizin	g for special purpose		
EN 374-1	Туре В	Type B	Туре В	Type B	
EN374-2	Level 3	Level 3	Level 2	Level 2	
EN16523-1		In compliance, s	plash protection		
EN 374-4		In compliance, determination	n of resistance to degradation		
EN 374-5		In compliance, requiremen	its for micro-organism risks		
EN455	In compliance with Parts 1,2,3				
ISO 11193-1	In compliance, single-use medical examination glove				
ISO 21171		In compliance, determination	of removable surface powder		
ISO 16604	In compliance, protection against penetration by blood-borne pathogens				
ASTM D6319	✓	✓	✓	not applicable	
ASTM D5712	not applicable	not applicable	not applicable	<b>√</b>	

www.starlab.click/starguard

## **STARGUARD**select

#### How to find the right protection for each application

If you are concerned which gloves are the right ones to use for your laboratory work, then we can help.

**STARGUARD***select* can help you make the right decision quickly.

STARGUARDselect will provide you with your personal

### How it works:

A page will open with a list of chemicals that have been tested against our StarGuard® gloves. Select the chemicals which pose the most hazard to you, and click on Next. A list of the optimal gloves for the chemicals selected will be shown. You can also request your StarGuard® sample.



# Glove Box Dispenser

Free up your valuable bench space by mounting the glove dispenser to the wall. The epoxy-coated steel wire rack holds three boxes of gloves and is suitable for use with most brands and sizes of box. Supplied with fixings for wall mounting.

ORDER INFORMATION						
Description Pack Size Cat. No. Price						
Wire Glove Dispenser	1	E3099-3100	£36.27			





# Microflex® Gloves

#### Glove overview

STARLAB is committed to supplying the best hand protection to its customers. To provide a wider choice for our customers, we also sell a range of high quality Microflex gloves for use in the laboratory to help you select the best glove for the job in hand.















**XCEED®**Ergonomic
Blue Nitrile

SUPRENO® Blue Nitrile

93-853 Extended Blue Nitrile

93-243 Extra Extended Blue Nitrile

**73-847** Ergonomic Neoprene

**93-260** Chemical Resistant Triple Layered

GLOVE	Material	Interior	Exterior	Colour	Length	Thickness (palm)	AQL	PPE Cat III	High Risk	Pack Size
XCEED®	Nitrile	Powder-free	Textured Fingers	Blue	Strandard 240 mm	0.070mm	0.65	<b>✓</b>	×	10 x 250 <sup>1</sup>
SUPRENO®	Nitrile	Powder-free	Textured Fingers	Blue	Standard 245 mm	0.110mm	0.65	<b>✓</b>	×	10 x 100
93-853	Nitrile	Powder-free	Textured Fingers	Blue	Extended 295 mm	0.140mm	0.65	<b>✓</b>	×	10 x 50
93-243	Nitrile	Powder-free	Textured Palm and Fingers	Blue	Extra extended 400 mm	0.120mm	1.5	<b>✓</b>	*	10 x 100
73-847	Neoprene	Powder-free	Textured Fingers	Dark Green	Standard 245 mm	0.100mm	1.5	<b>✓</b>	*	10 x 100
93-260	Nitrile and Neoprene	Powder-free	Textured Fingers	Green outside, Blue inside	Extended 300 mm	0.198mm	0.65	<b>✓</b>	✓	10 x 50

#### Microflex gloves conform to the following standards

- ▶ PPE Category III, regulation (EU) 2016/425
- ► EN 420
- ► EN 374-1 Requirements for chemical risks
- ► EN 374-2 Protection against penetration by micro-organisms
- ► EN 16523 Protection against chemical permeation
- ► EN 374-4 Degradation
- ► EN 374-5 Requirements for micro-organisms risks
- ▶ ISO 16604 (part B) Protection against viruses
- ► ASTM D6978 Use with chemotherapy drugs (Supreno & Microflex 93-853)
- ► EN 1149 (Part 1. 2 & 3) Anti-static behavior (Microflex 93-853 & 73-847)
- ► EN 388 Mechanical requirements (Microflex 93-260)
- ► EN 421 Protective gloves against ionizing radiation and radioactive contamination (Microflex 93-260 & 73-847)
- ► EN 388 (Microflex 93-260)
- ► European Medical Device Directive 93/42/EEC, CE Class 1
- ► EN 455 Parts 1, 2 & 3

IMPORTANT: See individual product information for full list of standards that apply to each specific glove.





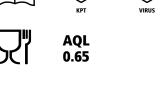














#### XCEED - Comfortable ergonomic nitrile protection

A combination of exceptional comfort and strength. Recommended for use when:

- ► Work demands great dexterity and you need a glove to reduce hand fatigue
- ► You are looking for significantly stronger protection
- ▶ Working in environments that demand consistent grip and reliability
- ► Using Ethidium Bromide (Breakthrough: >480 mins)

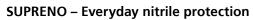


**PPE Cat. III Complex Design Blue Nitrile Glove. Textured Fingers** Length: 240 mm. 250 Gloves per Box1)

ORDER INFORMATION							
Description	Pack Size	Cat. No.	Price				
XCEED® Nitrile Gloves, XS	10 × 250	XC-INT-XS	£358.00				
XCEED® Nitrile Gloves, S	10 × 250	XC-INT-S	£358.00				
XCEED® Nitrile Gloves, M	10 × 250	XC-INT-M	£358.00				
XCEED® Nitrile Gloves, L	10 × 250	XC-INT-L	£358.00				
XCEED® Nitrile Gloves, XL <sup>1)</sup>	10 × 230	XC-INT-XL	£358.00				
1) XL 230 gloves							



www.starlab.click/xceed



Comfortable nitrile protection for everyday use. Recommended for use when:

- ► Contact with chemicals is a standard activity each day - SUPRENO® provides excellent chemical splash protection
- ► Strength and protection are of great importance
- ► Working in environments that demand consistent grip and reliability













**AQL** 0.65



**PPE Cat. III Complex Design Blue Nitrile Glove. Textured Fingers** Length: 245 mm. 100 Gloves per Box

ORDER INFORMATION						
Description Pack Size Cat. No. Price						
SUPRENO®, Nitrile Gloves, XS	10 × 100	SU-INT-XS	£155.35			
SUPRENO®, Nitrile Gloves, S	10 × 100	SU-INT-S	£155.35			
SUPRENO®, Nitrile Gloves, M	10 × 100	SU-INT-M	£155.35			
SUPRENO®, Nitrile Gloves, L	10 × 100	SU-INT-L	£155.35			
SUPRENO®, Nitrile Gloves, XL	10 × 100	SU-INT-XL	£155.35			



www.starlab.click/supreno

## Microflex<sup>®</sup> Gloves













AQL
0.65

2016/425	КРТ	VIRUS	
ORDER II	NFORMATI	ON	
Description	Pack Size	Cat. No.	Price
Microflex 93-853 Nitrile Glove, Ext. Cuff, XS	10 x 50	93-853-XS	£137.79

Microflex 93-853 Nitrile Glove, Ext. Cuff, XS	10 x 50	93-853-XS	£137.79
Microflex 93-853 Nitrile Glove, Ext. Cuff, S	10 x 50	93-853-S	£137.79
Microflex 93-853 Nitrile Glove, Ext. Cuff, M	10 x 50	93-853-M	£137.79
Microflex 93-853 Nitrile Glove, Ext. Cuff, L	10 x 50	93-853-L	£137.79
Microflex 93-853 Nitrile Glove, Ext. Cuff, XL	10 x 50	93-853-XL	£137.79



www.starlab.click/93-853

















ORDER INFORMATION							
Description Pack Size Cat. No. Price							
Microflex 93-243, Extra Long, XS	10 × 100	93-243-XS	£206.00				
Microflex 93-243, Extra Long, S	10 × 100	93-243-S	£206.00				
Microflex 93-243, Extra Long, M	10 × 100	93-243-M	£206.00				
Microflex 93-243, Extra Long, L	10 × 100	93-243-L	£206.00				
Microflex 93-243, Extra Long, XL	10 × 100	93-243-XL	£206.00				
Microflex 93-243, Extra Long, XXL	10 × 100	93-243-XXL	£206.00				



#### 93-853 - Reliable hazard protection

Extended cuff provides additional protection over the wrist for hazardous environments. Advanced nitrile formulation offers up to three times the puncture resistance of latex or vinyl disposable gloves.

- ► Excellent chemical breakthrough resistance
- Over wrist protection against laboratory hazards; glove length 295 mm
- ► Very high barrier properties (AQL 0.65)
- ► Anti-static behavior
- ► Approved for use with chemotherapy drugs
- ► Medical examination glove



**PPE Cat. III Complex Design Blue Nitrile Glove. Textured Fingers** Length: 295 mm. 50 Gloves per Bag

#### 93-243 - Superior forearm protection

Soft durable nitrile material ensures extended protection up to the elbow with a comfortable feel.

- ▶ Provides extra security over the wrist and forearm
- ► Unique cuff design prevents roll-down
- Textured palm and fingers for a confident secure grip



**PPE Cat. III Complex Design Blue Nitrile Glove. Textured Fingers** Length: 400 mm. 100 Gloves per Bag



 $400\,\mathrm{mm}$  glove length for superior forearm protection













**AQL** 1.5











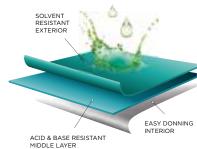




**AQL** 0.65







#### 73-847 - Ergonomically certified

Soft and pliable neoprene formulation that provides effective resistance to many chemicals, and provides a comfortable and tactile wear that is close in feel to latex.

- ► Ergonomically certified for excellent comfort during use
- ► Excellent grip in both wet or dry conditions
- Textured fingers
- Anti-static behavior



#### **PPE Cat. III Complex Design Green Neoprene Glove. Textured Fingers** Length: 245 mm. 100 Gloves per Box

ORDER INFORMATION					
Description	Cat. No.	Price			
Microflex 73-847, Neoprene Glove, Ergonomic, XS	10 × 100	73-847-XS	£118.45		
Microflex 73-847, Neoprene Glove, Ergonomic, S	10 × 100	73-847-S	£118.45		
Microflex 73-847, Neoprene Glove, Ergonomic, M	10 × 100	73-847-M	£118.45		
Microflex 73-847, Neoprene Glove, Ergonomic, L	10 × 100	73-847-L	£118.45		
Microflex 73-847, Neoprene Glove, Ergonomic, XL	10 × 100	73-847-XL	£118.45		



www.starlab.click/73-847

#### 93-260 – Chemical protection and comfort

Innovative three layered glove design comprising nitrile and neoprene that provides superior protection against harsh chemicals, whilst still providing comfort and dexterity for the user.

- ► Ergonomic design for excellent comfort during use
- ► Lower acceptable pinhole rate (0.65 AQL) for reliable protection against hazardous substances
- Longer length for even greater protection
- Type A classification

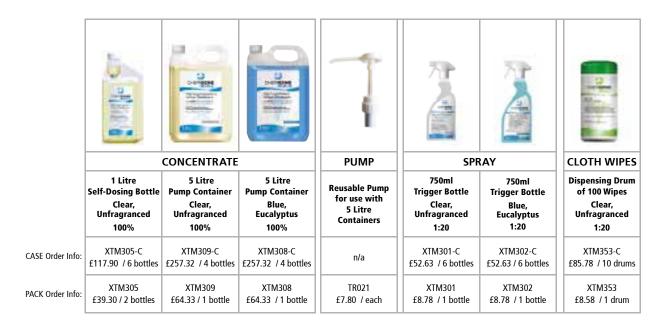


#### **PPE Cat. III Complex Design Green Nitrile/Neoprene Glove. Textured Fingers** Length: 300 mm. 50 Gloves per Box

ORDER INFORMATION						
Description	Pack Size Cat. No. Price					
Microflex 93-260 Nitrile/Neoprene Glove, Chemical Resistant, XS	10 × 50	93-260-XS	£144.20			
Microflex 93-260 Nitrile/Neoprene Glove, Chemical Resistant, S	10 × 50	93-260-S	£144.20			
Microflex 93-260, Nitrile/Neoprene Glove, Chemical Resistant, M	10 × 50	93-260-M	£144.20			
Microflex 93-260 Nitrile/Neoprene Glove, Chemical Resistant, L	10 × 50	93-260-L	£144.20			
Microflex 93-260 Nitrile/Neoprene Glove, Chemical Resistant, XL	10 × 50	93-260-XL	£144.20			
Microflex 93-260 Nitrile/Neoprene Glove, Chemical Resistant, XXL	10 × 50	93-260-XXL	£144.20			



# Chemgene Disinfectant



#### Leading-edge biosecurity technology

Chemgene high-level disinfectant combines enhanced active ingredient molecules with micelle cleaning technology to provide swift penetration of the cell walls to ensure rapid cell death. The synergistic blend of technology and active ingredients enables Chemgene to work guicker than most disinfectants and ensure that apoptosis (cell death) is achieved rather than merely suspending activity. Independent laboratory testing demonstrates no corrosion or deterioration, even after long-term repeated immersions when used on stainless steel, mild steel, aluminium, copper, brass, rubber components, plastics, fibreglass, synthetic floors, instruments and devices.

#### **Product summary**

- ► Provides sporicidal protection
- ▶ Biodegradable and non-corrosive
- ► Compliant with REACH regulations and the **Biocidal Product Directive**
- ▶ Long shelf life! Diluted concentrate has a shelf life of up to 6 months

#### **Applications**

Chemgene is ideal for cleaning laboratory benches, shelves, floors and fridges and most laboratory equipment including pipettes, centrifuge, water baths, discard jars and non-critical devices.

#### Microbiological efficacy summary

#### Viruses

Adenovirus Type 5. Canine parvovirus. Feline calcivirus Feline Immunodeficiency Virus.

Feline Infectious Peritonitis Virus. Hepatitis B. Herpes Simplex.

HIV. Norovirus.

#### **Bacterial Spores**

Bacillus cereus. Bacillus subtilis

Clostridium difficile.

#### Mycobacteria

Mycobacterium avium. Mycobacterium bovis. Mycobacterium terrae.

Aspergillus niger (brasiliensis). Candida albicans. Microsporum canis. Trichophyton ruben.

#### **Bacteria**

MRSA

Acinetobactor calcoaceticus. Bordetella bronchiseptica. Campylobacter jenuni. Enterococcus hirae. Escherichia coli. Legionella pneumphila. Listeria monocytogenes.

MRSP Pseudomonas aeruginosa.

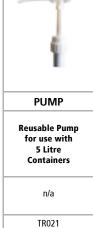
Rhodococcus equi/ Salmonella tuphimurium. Staphylococcus aureus. Streptococcus equi (strangles).

Also proven to denature/precipitate DNA & RNA immediately.

- ► 1:200 for bactericidal disinfection in low soil conditions
- ▶ 1:100 for general intermediate risk use
- ► 1:50 for high risk use
- ▶ 1:20 in the presence of blood and body spills and use with tissue cultures and discard jars

## **Distel**® Disinfectant





£7.80 / each





#### Multi-purpose, multi-surface!

Distel® is an all purpose, multi-surface, non-alcohol based laboratory disinfectant that provides safe, simple and secure disinfecting. Economical to use, the synergistic blend of active ingredients produces the fastest acting and most efficient virucidal disinfectant available in nonoxidising technology.

#### **Product summary**

- ► Biodegradable
- ► Non-irritant
- ► Non-fuming
- ► Non-hazardous
- ► Non-corrosive
- ▶ Long shelf life! Diluted concentrate has a shelf life of up to 6 months

#### **Applications**

Distel® can be used on most surfaces and is ideal for cleaning laboratory benches, shelves, floors and fridges, as well as most laboratory equipment including pipettes, centrifuges and water baths.

#### Microbiological efficacy summary

Viruses	Bacteria
Adenovirus Type 5.	Campylobacter jenun
Canine parvovirus.	Enterococcus faecium
Coronavirus.	Enterococcus hirae.
Feline calcivirus (Norovirus).	
Hepatitis B.	Escherichia coli.
HIV.	Klebsiella pneumonia

#### Mycobacteria

Mycobacterium fortuitum. Mycobacterium terrae.

#### Fungi

Candida albicans. Microsporum audioinii. Trichophyton tonsurans. MRSA.

MRSP.

Proteus vulgaris.

Pseudomonas aeruginosa.

Rhodococcus equi. Staphylococcus aureus.

Stenotrophomonas maltophilia. Streptococcus equi (strangles).

- ▶ 1:200 for general pre-cleaned areas
- ▶ 1:100 for heavy soil and high risk areas
- ▶ 1:10 in the presence of blood and bio-hazard spillage

# Safety Spill Trays & Liners

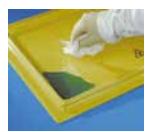


#### Define a safe working area!

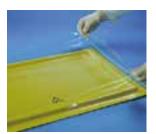
Define your work area so you and your colleagues are safe. Unlike disposable paper bench protectors, these Safety Trays are reusable. This reduces running costs and drastically reduces contaminated waste volume. The APET tray liner is antistatic with a non-porous surface which, unlike absorbent paper protectors, allows valuable samples to be retrieved.

#### **Features**

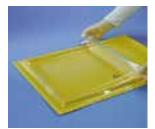
- ► Reusable! Saves on costs and reduces waste
- ► Raised edge contains any spills
- ► Provides a defined work area
- ► Rigid PVC spill tray bases designed for easy cleaning
- ► Anti-static APET tray liners
- ► Allows you to retrieve valuable samples



1. Spillages are easily cleared or retrieved



2. The Tray Liners lift off the Spill Tray ... just stretch...



3. ...and roll up for disposal



4. Volume of waste is drastically reduced

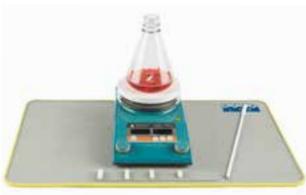
	ORDER INFORMATION								
	Safety Spill Trays							Tray Liners	
	Description	Size	Pack Size	Cat. No.	Price	Pac	k Size	Cat. No.	Price
	General Purpose Tray, White	450 x 250mm	1	E3446-2609	£44.04	2	5	E3546-2600	£69.43
AF	General Purpose Tray, White	530 x 330mm	1	E3454-3409	£52.97	2	5	E3554-3400	£95.11
25	General Purpose Tray, White	570 x 540mm	1	E3457-5409	£69.64	2	5	E3557-5400	£98.61
	General Purpose Tray, White	670 x 530mm	1	E3468-5409	£113.67	2	5	E3568-5400	£138.29
0	General Purpose Tray, White	690 x 450mm	1	E3470-4609	£89.87	2	5	E3570-4600	£134.79
	General Purpose Tray, White	1120 x 530mm	1	E3411-3549	£113.67	2	5	E3511-3540	£156.96
The second secon	Radiation Hazard Trays, Yellow	450 x 250mm	1	E3446-2606	£53.82	2	5	E3546-2600	£69.43
	Radiation Hazard Trays, Yellow	530 x 330mm	1	E3454-3406	£55.62	2	5	E3554-3400	£95.11
B	Radiation Hazard Trays, Yellow	670 x 530mm	1	E3468-5406	£94.37	2	5	E3568-5400	£138.29
	Radiation Hazard Trays, Yellow	1120 x 530mm	1	E3411-3546	£108.91	2	5	E3511-3540	£156.96
	Biohazard Trays, White	450 x 250mm	1	E3646-2609	£83.92	2	5	E3546-2600	£69.43
	Biohazard Trays, White	530 x 330mm	1	E3654-3409	£50.47	2	5	E3554-3400	£95.11
1	Biohazard Trays, White	570 x 540mm	1	E3657-5409	£66.06	2	5	E3557-5400	£98.61
	Biohazard Trays, White	670 x 530mm	1	E3668-5409	£83.92	2	5	E3568-5400	£138.29
100	Biohazard Trays, White	690 x 450mm	1	E3670-4609	£83.92	2	5	E3570-4600	£134.79
	Biohazard Trays, White	1120 x 530mm	1	E3611-3549	£104.15	2	5	E3511-3540	£156.96

# **Senchtop Safety**

## Reusable Lab Mat



Lipped mat edge prevents spills from spreading



Designated area with internal metal inserts to keep your stir bars safe





Can be rolled up for easy storage

#### Versatile reusable mat

A reusable mat for your lab bench to help keep it clean and safe from stains and spills. Made from durable silicone, the lab mat creates a stain-resistant washable working surface. After use, the mat can easily be cleaned using any standard disinfectant or simply by wiping if no contaminants are present. It can also be put into the dishwasher and it can be autoclaved.

The anti-skid mat offers a large and safe working area when using harsh chemicals and delicate glassware. The lipped edge of the mat helps contains spills and prevents liquids from running onto the floor.

#### **Features**

- ► Made from durable silicone
- ► Versatile! Use on the bench, in cold rooms, sterile suites and areas where high sterility is a requirment
- ► Anti-skid surface
- ► Noise dampening! Reduces vibration sound from common worktop equipment
- ▶ Protects your bench from hot objects up to 200°C
- ► Chemically resistant and chemically inert
- ► Can be rolled up for easy storage
- ► Autoclavable

ORDER INFORMATION						
Description Pack Size Cat. No. Price						
Reusable Lab Mat	1	E3860-0061	£37.03			

TECHNICAL SPECIFICATIONS			
Dimensions (W $\times$ D $\times$ H) 60 $\times$ 35 $\times$ 2 cm			
Autoclavable	Yes		
Dishwasher safe	Yes		
Material	Silicone		
Reversible	Yes		
Temperature use	-50 °C to 200 °C		



# Safe Disposal



#### Disposable sweet jars

Portable waste containers, ideal for use either as a benchtop bin or for use in the laminar flow cabinet. Use for the safe disposal and storage of contaminated plasticware prior to autoclaving. When autoclaved, the polypropylene lid remains intact whilst the PET jar deforms to allow the steam inside to disinfect the contaminated material. The waste can then be safely disposed of.

ORDER INFORMATION						
Description Pack Size Cat. No. Price						
1.0L Disposable Sweet Jar	40	E1412-0002	£61.80			
2.5L Disposable Sweet Jar with Handle	30	E1412-0000	£82.21			
4.25L Disposable Sweet Jar	31	E1412-0001	£82.21			

 $Dimensions: (Hx\emptyset) \ 1L \ 119 \ x \ 122mm; (WxDxH) \ 2.5L \ 105 \ x \ 105 \ x \ 215mm \ (with handle down); 4.25L \ 145 \ x \ 145 \ x \ 215mm.$ 



#### **Autoclave bags**

- ▶ Polypropylene bags (48 microns) for autoclaving up to 136°C
- ▶ Printed with Biohazard Symbol and white write-on panel
- ► Use for contaminated waste disposal

ORDER INFORMATION						
Description Pack Size Cat. No. Price						
Autoclave bags 310 x 660 mm	200	E3300-3166	£45.02			
Autoclave bags 415 x 600 mm	200	E3300-4070	£49.28			
Autoclave bags 610 x 810 mm	200	E3300-6078	£91.51			



#### Autoclave tape

► Available in two widths

ORDER INFORMATION					
Description Pack Size Cat. No. Price					
Autoclave Tape (50m x 18mm)	4	E3300-0000	£28.15		
Autoclave Tape (50m x 25mm)	4	E3300-0001	£31.63		

#### StarGuard®, ErgoOne®, TipOne® & TubeOne® - The perfect match



#### StarGuard® Gloves

STARLAB is committed to providing the best hand protection available. Regardless of the application and user preferences, our four StarGuard® disposable gloves offer daily protection in the laboratory without sacrificing comfort.



www.starlab.click/starguard



#### **ErgoOne® Pipettes**

ErgoOne® provides you with accuracy and precision you can trust, and a stylish new look you will love. Lightweight and extremely easy to use, ErgoOne® can be trusted to provide accurate and precise pipetting all day, every day. Use with STARLAB's TipOne® Tips for the perfect pipetting partnership.

ErgoOne® is designed to fit all popular pipette tips without any loss of accuracy or precision.



www.starlab.click/manualpipettes



#### TipOne® Pipette Tips

TipOne® is the original refillable, reusable and recyclable pipette tip system. Recent improvements to the design of the system, based on customerfeedback, is why TipOne® is one of the leading tips for research labs.

Convenience and quality are at the heart of the system and TipOne® remains the same tip that you have used and trusted over the years.



www.starlab.click/tipone



#### TubeOne® Tubes

TubeOne® tubes stay sealed during boiling, freezing or centrifuging, and are still easy to open afterwards!

Optically clear without compromising structural integrity, the tubes feature a frosted writing surface.



www.starlab.click/tubeone



# **Alphabetical** Index

►A	Cryogenic	Latex163
AirClean® PCR Cabinets 154–155	Canes	Neoprene
Alpha-Numeric Coded Tubes	Labelling	Nitrile
Aspiration Pipettes	Storage Racks119–120	Nitrile/Neoprene
Aspirator	Vials 62	·
Autoclave Bags86, 174	Culture Tubes65	► H / I
Autoclave Tape86, 174	Cuvettes86	Heat Sealing Films85
•	CytoOne®	ID Tape 94
▶B	Bottle-Top Filtration108–109	
Balance Calibration54	Centrifuge Tube Filtration 110–101	▶L
Bath Beads150	Dishes99	Label Printers & Labels95–96
Bijou Containers 65	Flasks102–103	Laminar-Flow Cabinet154–155
Bijou Storage Box118	Media Bottles112	Large Volume Tips20–20
Bijou Storage Racks122, 133	Multiwell-Plates100–101	Latex Gloves163
Bench Mat, Reusable 173	Scrapers 104	Loops 89
Benchtop Coolers126–127		
Bottle-Top Filtration108–109	<b>▶</b> D	►M
Brady Label Cartridges95–96	Dead Air Box154–155	Magnetic Stirrers147
Brady Label Printer95	Deepwell Plates 77–80	Mat, for Bench, Reusable173
	Dishes, Cell Culture99	Media Bottles112
<b>▶</b> C	Disinfectant170–171	Microcentrifuge152
Calibration	Dispenser Tips24	Microcentrifuge Tubes56–58
Balances54	Disposal Products174	Microcentrifuge Tube Cap Locks 59
Pipettes 46–51	Disposable Gloves160–169	Microflex Nitrile Gloves167–168
Timers / Stopwatches54	Distel Laboratory Disinfectant 171	Microplate Mixer141
Capp® Origami Reservoirs88	Dry Bath Incubators148–150	Microplates
Cardboard Storage Boxes114–115	Dry Bath Beads150	Polypropylene 81
Cell Culture		Polystyrene 82
Cell Strainers106	▶E	Microtube Openers59
Dishes99	ErgoOne® Pipettes34–37	Microtube Pestles59
Filtration 108–111	Electronic Pipettes38–39	Microtubes in Racks63–64
Flasks102–103	Extended Length Tips19	Mixer HC136–137
Media Bottles112	Extra Extended Gloves168	Mixers140–144
Plates100–101		
Scrapers106	▶F	►N/O
Syringe Filters107	Filter Tips, TipOne®14–15	Neoprene Gloves169
Cell Strainers106	Filtration	Nitrile Gloves 160–162, 167–168
Centrifuges180–181	Bottle-Top108–109	Orbital Shaker145
Centrifuge Tube Filtration130–131	Centrifuge Tube130–131	
Centrifuge Tubes63, 105	Funnels 87	▶P
ChannelMate Reservoirs89	Flasks, Cell Culture102–103	Parafilm85
Chemgene Laboratory Disinfectant 170	Freezer Racking128–133	Pasteur Pipettes90–91
Chemical Resistant Gloves169	Freezer151	PCR
Chiller Racks 126		Cabinets154–155
COMFORT, StarGuard®160	▶G	Discs71
Containers	Gel-Xtraction Tool22	PCR Plate-Sealing Overview76
5ml to 250ml 65-66	Gel-Loading Tips23	Plates72–75
Bijou65	Gilson Spares53	Sample Racks 125
Cooler126	Gloves	Seals & Foils83–85
Universal66	Dispenser165	Strips 68–71
	Guidelines & Standards 159	Tubes 67

Pestles, Microtube	59	for Perkin Elmer®	32	TipOne <sup>®</sup>	
Pipette Tips		for Qiagen®	32	Filter Tips	14–15
384-Format	19	for Tecan®	31	Pipette Tip System	6–11
Extended Length	19	Rocking / Rocking 3D Shaker.	146	Recycling	18
Gel-Loading	23	Rotator Mixer	140	Tips	12–12
Individually-Wrapped	19	Rotorgene® Style Tube Strips &	k Caps 71	TipOne® RPT	16–17
Large Volume	20–21	Rotorgene® Discs	71	TipOne® Repeat	24
TipOne®	6–18			Tips, Speciality	19–23
Wide Orifice	22	<b>▶</b> \$		TOUCH, StarGuard	163
Pipettes		Safety Spill Trays & Liners	172	Tube Roller	142
Aspiration	43	Scrapers, Cell Culture	106	Tubes	
Calibration & Servicing	46–51	Screw Cap Microtubes	60–61	Centrifuge	63, 105
Electronic	38–39	Seal Applicators	82	Cryogenic Vials	62
ErgoOne®	34–37	Seals	83–85	Culture	65
ErgoOne® E	38–39	Self-Adhesive		Microcentrifuge	56–58
ErgoOne® FAST	40–41	Lab Labels	92–93	Microtubes in Racks	63–64
Multi-Channel	37, 39	Plate Seals	83–84	PCR	67–71
Pasteur	90–91	SENSITIVE, StarGuard®	162	Preparation	59
Serological	43	Serological Pipettes	43	Screw Cap Microtubes	60–61
Single-Channel	36, 38	Shakers	145–146	Storage Racks	121–125
Spares, for Gilson	53	Slide		TubeOne®	56
Stands	42	Mailers	134	Training Sessions, Pipette	52
StarPet Filler	41	Storage Trays	134	Transport Cases & Coolers	127
Training Sessions	52	Storage Cabinets	134		
Pipette Controllers	40–41	Spares		▶U	
Plate Centrifuge	153	for Gilson® Pipettes	53	UKAS Pipette Calibration	50–51
Pipette Servicing	46–51	Smart Instruments	135–156	Underbench Freezer	151
Plates		Spatulas	92	Universal Containers	66
Cell Culture	100–101	Spray, Disinfectant	170–171	Universal Containers Racks	122, 133
Deepwell	77–80	Spreaders			
Freezer Racking		Stainless Steel		▶V	
Microplates, Polystyrene		Freezer Racking	128–132	Vortexers	143–144
PCR		Freezer Storage	133		
PlateOne® Deepwell	77	StarChill	126	►W	
PlateOne® Microplates	81	StarGuard® Gloves	160–164	Water Bath / Dry Bath Incubate	ors 148–149
Sealing Accessories		StarGuardSelect	165	Weigh Boats	92
Preparation Tubes	59	StarPet Filler	41	Wipes, Disinfectant	170–171
PROTECT, StarGuard®		StarTags	93	Wire Racks	
		StarTub Reagent Reservoirs	88		
▶R		Stirrers, Magnetic	147	▶X	
Racks and Storage Boxes	114–126	Stopwatch Calibration	54	Xceed™ Nitrile Gloves	167
Recycling		Storage Boxes & Racks		Xtracta™ Gel Tool	22
Repeat Dispenser Tips		Supreno® Nitrile Gloves			
RepeatOne® Dispenser		Sweet Jars, Disposable			
Reservoirs		Syringe Filters			
Reagent	88–89	, 3			
Robotic		▶T			
Robot–Tip Compatibility		Tape			
Robotic Tips		Autoclave	86. 174		
for Beckman®	28–29	ID	·		
for Packard®		Timer Calibration			

# Catalogue Number Index

<b>▶</b> 7	A9625-0002115	A9632-0004114	C1312-000048	C8134-M00051	C8439-000051
73-847-L169	A9625-0004115	A9632-0006114	C1312-100048	C8135-000051	C8439-M00051
73-847-M169	A9625-0006115	A9632-1961114	C1313-000048	C8135-M00051	C8536-000051
73-847-S169	A9625-1601115	A9632-1962114	C1313-100048	C8136-000051	C8536-M00051
73-847-XL169	A9625-1602115	A9632-1964114	C1321-000048	C8136-M00051	C8538-000051
73-847-XS169	A9625-1604115	A9632-1966114	C1321-100048	C8137-000051	C8538-M00051
	A9625-1604115	A9632-1969114	C1322-000048	C8137-M00051	C8539-000051
▶9	A9625-1616115	A9632-2561114	C1322-100048	C8138-000051	C8459-M00051
93-243-L168	A9625-2501115	A9632-2562114	C1323-000048	C8138-M00051	C8636-000051
93-243-M168	A9625-2502115	A9632-2564114	C1323-100048	C8139-000051	C8636-M00051
93-243-S168	A9625-2504115	A9632-2566114	C1411-000048	C8139-M00051	C8638-000051
93-243-XL168	A9625-2506115	A9632-2569114	C1411-100048	C8230-000051	C8638-M00051
93-243-XS168	A9625-2525115	A9650-0000115	C1413-000048	C8230-M00051	C8639-000051
93-243-XXL168	A9625-3100115	A9650-0001115	C1413-100048	C8231-000051	C8659-M00051
93-260-L169	A9625-3101115	A9650-0002115	C1421-000048	C8231-M00051	C8736-050051
93-260-M169	A9625-3102115	A9650-0004115	C1421-100048	C8232-000051	C8736-M50051
93-260-S169	A9625-3104115	A9650-0006115	C1423-000048	C8232-M00051	C8738-050051
93-260-XL169	A9625-3106115	A9650-1361115 A9650-136215	C1423-100048	C8234-000051 C8234-M00051	C8738-M50051
93-260-XS169 93-260-XXL169	A9625-4901115 A9625-4902115	A9650-1364115	C1414-000048 C1414-100048	C8234-100137	C8739-050051 C8739-M50051
93-853-L168	A9625-4904115	A9650-1366115	C1424-000048	C8235-000051	C9434-000051
93-853-M168	A9625-4906115	A9650-1369115	C1424-100048	C8235-M00051	C9434-M00051
93-853-S168	A9625-4949115	7,5050 1505115	C3121-000048	C8236-000051	C9435-000051
93-853-XL168	A9625-8101115	▶B	C3121-M00048	C8236-M00051	C9435-M00051
93-853-XS168	A9625-8102115	B1402-059572	C3121-010048	C8237-000051	C9436-000051
	A9625-8104115	B1494-102477	C3121-M10048	C8237-M00051	C9436-M00051
►A	A9625-8106115	B1494-112477	C3122-000048	C8238-000051	C9438-000051
A1402-370069	A9625-8181115	B1494-122477, 81	C3122-M00048	C8238-M00051	C9438-M00051
A1402-380069	A9627-0000115		C3122-010048	C8239-000051	C9439-000051
A9623-0000114	A9627-0001115	►C	C3122-M10048	C8239-M00051	C9439-M00051
A9623-0001114	A9627-0002115	C0002-050054	C3123-000048	C8330-000051	C9736-000051
A9623-0002114	A9627-0004115	C0002-100054	C3123-M00048	C8330-M00051	C9736-M00051
A9623-0004114	A9627-0006115	C0003-000054, 156	C3123-010048	C8331-000051	C9738-000051
A9623-0006114	A9627-1601115	C0010-000049	C3123-M10048	C8331-M00051	C9738-M00051
A9623-1601114	A9627-1602115	C0020-000049	C3124-000048	C8332-000051	C9739-000051
A9623-1602114	A9627-1604115	C1111-000048	C3124-M00048	C8332-M00051	C9739-M00051
A9623-1604114	A9627-1606115	C1111-100048	C3124-010048	C8334-000051	CA-4050588
A9623-1606114	A9627-1616115	C1112-000048	C3124-M10048	C8334-M00051	CA-4051088
A9623-1616114	A9627-2501115	C1112-100048	C3125-000048	C8334-100137	CC6000-1116109, 111
A9623-2501114	A9627-2502115	C1113-000048 C1113-100048	C3125-M00048 C3125-010048	C8335-000051 C8335-M00051	CC6000-1122109, 111 CC6027-1171112
A9623-2502114 A9623-2504114	A9627-2504115 A9627-2506115	C1121-000048	C3125-M10048	C8336-000051	CC6027-1171112
A9623-2506114	A9627-2525115	C1121-100048	C3126-000048	C8336-M00051	CC6027-1172112
A9623-2525114	A9627-3100115	C1122-000048	C3126-M00048	C8337-000051	CC6032-1402111
A9623-3100114	A9627-3101115	C1122-100048	C3126-010048	C8337-M00051	CC6032-1411111
A9623-3101114	A9627-3102115	C1123-000048	C3126-M10048	C8338-000051	CC6032-7233109
A9623-3102114	A9627-3104115	C1123-100048	C5000-000049	C8338-M00051	CC6032-8233109
A9623-3104114	A9627-3106115	C1211-000048	C5000-012049	C8339-000051	CC6032-9233109
A9623-3106114	A9627-4901115	C1211-100048	C5000-040049	C8339-M00051	CC6034-1141109
A9623-4901114	A9627-4902115	C1212-000048	C5000-080049	C8430-000051	CC6034-1142109
A9623-4902114	A9627-4904115	C1212-100048	C5020-000049	C8430-M00051	CC6034-1143109
A9623-4904114	A9627-4906115	C1213-000048	C5020-012049	C8431-000051	CC6034-1403111
A9623-4906114	A9627-4949115	C1213-100048	C5020-040049	C8431-M00051	CC6034-1412111
A9623-4949114	A9627-8101115	C1221-000048	C5020-080049	C8432-000051	CC6062-1233109
A9623-8101114	A9627-8102115	C1221-100048	C8130-000051	C8432-M00051	CC6062-2233109
A9623-8102114	A9627-8104115	C1222-000048	C8130-M00051	C8436-000051	CC6062-3233109
A9623-8104114	A9627-8106115	C1222-100048	C8131-000051	C8436-M00051	CC6064-1162109
A9623-8106114	A9627-8181115	C1223-000048	C8131-M00051	C8437-000051	CC6064-1163109
A9623-8181114	A9632-0000114	C1223-100048	C8132-000051	C8437-M00051	CC7600-0220104
A9625-0000115	A9632-0001114	C1311-000048	C8132-M00051	C8438-000051	CC7600-0250104
A9625-0001115	A9632-0002114	C1311-100048	C8134-000051	C8438-M00051	CC7600-0320104

CC7672-334099	E1042-300075	E1403-520075	E1412-630065	E1420-200057	E1494-6###62
CC7672-335999	E1042-384075	E1403-520875	E1412-700065	E1420-201057	E1500-1001134
CC7672-339499	E1042-3840-BC73	E1403-520975	E1412-710066	E1420-232060	E1500-1101134
CC7672-361499	E1042-384975	E1403-620074	E1412-720092	E1420-233060	E1500-1201134
CC7672-4175102	E1042-9900-BC73	E1403-620974	E1412-720192	E1420-233161	E1500-1301134
CC7672-4225102	E1042-990975	E1403-770074	E1412-720292	E1420-233261	E1500-1408134
CC7672-4325102	E1070-260720	E1403-770974	E1412-720392	E1420-233361	E1500-2009134
CC7672-4415102	E1070-259620	E1403-820074	E1412-720492	E1420-233760	E1500-3009134
CC7672-4815103	E1070-260120	E1403-8200-BC73	E1412-720592	E1420-234060	E1500-4000134
CC7672-4822103	E1076-040028	E1403-820974	E1414-010090	E1420-234161	E1500-4099134
CC7672-4825103	E1076-0400-C28	E1405-001057	E1414-011090	E1420-234261	E1702-840063
CC7672-4875103	E1076-041028	E1405-030161	E1414-011190	E1420-234361	E1702-841063
CC7672-7506100	E1076-0410-C28	E1405-030261	E1414-030090	E1420-234760	E1703-940063
CC7672-7512100	E1076-041828	E1405-030461	E1414-031090	E1420-264161	E1703-941063
CC7672-7524100	E1076-0418-C28	E1405-030661	E1414-031190	E1420-285057	E1710-000063
CC7672-7548100	E1076-070029	E1405-060057	E1414-050090	E1420-510058	E1720-800063
CC7672-7596100	E1076-0700-C29	E1405-061057	E1414-070090	E1420-510858	E1730-900063
			E1414-110090	E1450-020063	E1750-040063
CC7682-334099	E1076-080029	E1405-212060			
CC7682-335999	E1076-0800-C29	E1405-212760	E1414-111190	E1450-0100105	E1750-041063
CC7682-339499	E1076-240028	E1405-213060	E1414-130090	E1450-0400105	E1760-840063
CC7682-361499	E1076-2400-C28	E1405-214060	E1414-131090	E1450-050063	E1760-841063
CC7682-4175102	E1076-241028	E1405-214161	E1414-131190	E1450-0700105	E1770-940063
CC7682-4225102	E1076-2410-C28	E1405-214261	E1414-250090	E1450-080063	E1770-941063
CC7682-4325102	E1076-241828	E1405-214361	E1415-030161	E1450-110059	E1780-210064
CC7682-4415102	E1076-2418-C28	E1405-260058	E1415-030261	E1450-110159	E1780-270064
CC7682-4815103	E1076-440028	E1405-510058	E1415-030461	E1450-110259	E1780-310064
CC7682-4822103	E1076-4400-C28	E1405-900059	E1415-030661	E1450-110459	E1780-370064
CC7682-4825103	E1076-441028	E1410-102589	E1415-031161	E1450-110659	E1780-840064, 78
CC7682-4875103	E1076-4410-C28	E1412-0000174	E1415-031261	E1450-110859	E1780-850064
CC7682-7506100	E1076-441828	E1412-0001174	E1415-031461	E1450-100059	E2005-500062
CC7682-7512100	E1076-4418-C28	E1412-0002174	E1415-031661	E1480-010060	E2100-1100116
CC7682-7524100	E1076-470029	E1412-011189	E1415-0100105	E1480-010160	E2100-1101116
CC7682-7548100	E1076-4700-C29	E1412-011289	E1415-020063	E1480-010260	E2100-1102116
CC7682-7596100	E1076-480029	E1412-071065	E1415-0700105	E1480-010360	E2100-1104116
CC8111-0042106	E1076-4800-C29	E1412-071165	E1415-080063	E1480-010460	E2100-1108116
CC8111-0072106	E1078-240032	E1412-100066	E1415-150057	E1480-010560	E2100-5000118
CC8111-0102106	E1078-2400-C32	E1412-100189	E1415-151057	E1480-010660	E2100-5001118
	E1078-540032	E1412-100589	E1415-221060	E1480-010760	E2100-5002118
▶E	E1078-5400-C32	E1412-101189	E1415-222060	E1480-010860	E2100-5004118
E1009-571820	E1172-141832	E1412-101289	E1415-222760	E1480-010960	E2100-5006118
E1009-700020	E1172-1418-C32	E1412-120065	E1415-223060	E1480-019960	E2100-5008118
E1009-700120	E1173-241832	E1412-150066	E1415-223161	E1480-020060	E2200-1000118
E1011-092119	E1173-2418-C32	E1412-250066	E1415-223261	E1480-020160	E2200-1008118
E1011-100219	E1306-101089	E1412-301066	E1415-223361	E1480-020260	E2300-5005116
E1011-100819	E1306-109089	E1412-301166	E1415-223760	E1480-020360	E2301-5309120
E1011-143019	E1306-251089	E1412-301266	E1415-224060	E1480-020460	E2305-6009117
E1011-500022	E1306-259089	E1412-302066	E1415-224161	E1480-020560	E2310-100088
E1011-510022	E1346-101089	E1412-302166	E1415-224261	E1480-020660	E2310-101088
E1011-511022	E1346-251089	E1412-302266	E1415-224361	E1480-020760	E2310-102588
E1011-800022	E1400-2099134	E1412-415086	E1415-260058	E1480-020860	E2310-110088
E1011-840022	E1403-000072-75	E1412-416086	E1415-285057	E1480-020960	E2310-120088
E1011-841022	E1403-010072	E1412-425086	E1415-551057	E1480-029960	E2310-181288
E1011-861822	E1403-020072	E1412-445086	E1420-030161	E1480-030060	E2310-200088
E1011-900022	E1403-020872	E1412-445186	E1420-030261	E1480-030160	E2340-3099123
E1011-960122	E1403-020972	E1412-501289	E1420-030461	E1480-030260	E2340-4041123
E1011-961122	E1403-120072	E1412-501489	E1420-030661	E1480-030360	E2340-4042123
E1011-961822	E1403-120872	E1412-600066	E1420-030061	E1480-030460	E2340-4043123
E1021-061823	E1403-120972	E1412-600466	E1420-031161	E1480-030560	E2340-4044123
E1022-000823	E1403-220073	E1412-610466	E1420-031461	E1480-030660	E2340-4046123
E1042-235075	E1403-320073	E1412-620065	E1420-031661	E1480-030960	E2344-1099124
E1042-250075	E1403-420073	E1412-620165	E1420-031461	E1480-039960	E2344-2099125
L1092 2300/3	L1403 4200/3	L1-112 020103	L1420 031401	L1-100 033300	LEJ44 2077123

# Catalogue Number Index

E2345-1000124	E2383-5002119	E2796-079383	E3300-001192	E4860-000143	E9127-250194
E2345-1041124	E2383-5003119	E2796-079483	E3300-001892	E4860-000243	E9127-250294
E2345-1042124	E2383-5004119	E2796-079683	E3300-002592	E4860-000543	E9127-250394
E2345-1043124	E2383-5006119	E2796-110084	E3300-002892	E4860-001043	E9127-250494
E2345-1044124	E2383-5099119	E2796-285084	E3300-003092	E4860-002543	E9127-250594
E2345-1046124	E2384-240080	E2796-300583	E3300-003892	E4860-005043	E9127-250694
E2345-1099124	E2390-5000121	E2796-301583	E3300-005092	E4860-110043	E9127-250894
E2346-1000124	E2396-0010123	E2796-302085	E3300-005892	E4861-000243	E9127-250994
E2346-1041124	E2396-0018123	E2796-306085	E3300-007092	E4861-000543	E9127-294082
					E9185-000193
E2346-1042124	E2396-0041123	E2796-309085	E3300-007892	E4861-001043	
E2346-1043124	E2396-0042123	E2796-979283	E3300-011892	E4866-200041	E9185-000293
E2346-1044124	E2396-0043123	E2796-979383	E3300-316686, 174	E9025-1650118	E9185-000393
E2346-1046124	E2396-0044123	E2796-979583	E3300-407086, 174	E9025-3615118	E9185-000493
E2346-1099124	E2396-0046123	E2824-000080	E3300-607886, 174	E9026-000094	E9185-000693
E2347-1001124	E2396-0599125	E2824-000180	E3411-3546172	E9026-200594	E9185-000993
E2347-1002124	E2396-1515122	E2848-000080	E3411-3549172	E9055-127094	E9185-224093
E2347-1003124	E2396-1550122	E2848-000180	E3446-2606172	E9055-127194	E9186-998793
E2347-1004124	E2396-1612122	E2896-011078	E3446-2609172	E9055-127294	E9187-100993
E2347-1005124	E2396-1641125	E2896-012078	E3454-3406172	E9055-127394	E9187-201693
E2347-1099124	E2396-1642125	E2896-021079	E3454-3409172	E9055-127494	E9188-100993
E2349-5009116	E2396-1643125	E2896-022079	E3457-5409172	E9055-127594	E9188-869993
E2350-4001120	E2396-1644125	E2896-032078	E3468-5406172	E9055-127694	E9189-009962, 92
E2350-4004120	E2396-1646125	E2896-060078	E3468-5409172	E9055-127894	E9189-300962, 92
E2350-4005120	E2396-1650122	E2896-110078, 79	E3470-4609172	E9055-127994	E9199-000093
E2350-5009117	E2396-1651125	E2896-120079	E3511-3540172	E9055-191094	E3133 000033
E2364-1000121		E2896-180177, 79		E9055-191194	▶G
E2364-1010123	E2396-1652125 E2396-1653125	E2896-181077, 79	E3546-2600172	E9055-191294	G8965-800042
E2364-1018123	E2396-1654125	E2896-182079	E3546-2600172	E9055-191394	G9001-001039
E2364-1041123	E2396-1656125	E2896-210079	E3554-3400172	E9055-191494	G9001-002039
E2364-1042123	E2396-1712122	E2896-211079	E3554-3400172	E9055-191594	G9001-020039
E2364-1043123	E2396-1750122	E2896-250079	E3554-3400172	E9055-191694	G9001-100039
E2364-1044123	E2396-2004126	E2896-250179	E3557-5400172	E9055-191894	G9001-500039
E2364-1046123	E2396-2006126	E2896-660078	E3557-5400172	E9055-191994	G9008-001039
E2364-6048123	E2396-5240125	E2996-160082	E3568-5400172	E9055-250094	G9008-002039
E2380-5000121	E2396-5634126	E2996-161082	E3568-5400172	E9055-250194	G9008-010039
E2380-5041121	E2396-5636126	E2996-170082	E3568-5400172	E9055-250294	G9008-030039
E2380-5042121	E2396-6001126	E2996-171082	E3570-4600172	E9055-250394	G9012-001039
E2380-5043121	E2396-6002126	E2996-180082	E3570-4600172	E9055-250494	G9012-002039
E2380-5044121	E2396-6004126	E2996-181082	E3611-3549172	E9055-250594	G9012-010039
E2380-5046121	E2396-6008126	E2996-190082	E3646-2609172	E9055-250694	G9012-030039
E2380-5048121	E2396-7213122	E2996-191082	E3654-3409172	E9055-250894	G9999-100039
E2381-2525118	E2396-7216122	E2999-249632	E3657-5409172	E9055-250994	G9999-100139, 42
E2381-5001119	E2396-9649125	E2999-841232	E3668-5409172	E9127-127094	G9999-100239, 42
E2381-5002119	E2396-9659125	E3090-621262	E3670-4609172	E9127-127194	G9999-100342, 39
E2381-5003119	E2396-9669125	E3090-622262	E3860-0061173	E9127-127294	G9999-100439, 42
E2381-5004119	E2396-9691125	E3090-624262	E3840-511019	E9127-127394	G9999-100539
E2381-5006119	E2396-9692125	E3090-632162	E4111-522287	E9127-127494	G9999-100639
E2381-5009119		E3099-000042		E9127-127594	G9999-100739
	E2396-9693125		E4111-522687		
E2382-5001119	E2396-9694125	E3099-000142	E4111-545287	E9127-127694	G9999-100839
E2382-5002119	E2396-9696125	E3099-000242	E4111-545487	E9127-127894	K.1
E2382-5003119	E2396-9759120	E3099-3100165	E4111-622287	E9127-127994	<b>&gt;</b> 1
E2382-5004119	E2396-9769121	E3110-611262	E4111-622687	E9127-191094	11008-900020
E2382-5006119	E2396-9779121	E3110-612162	E4111-645287	E9127-191194	11010-300023
E2382-5099119	E2450-5000117	E3110-612262	E4111-645487	E9127-191294	11010-360023
E2382-6001119	E2450-5001117	E3110-613162	E4266-004041	E9127-191394	I1010-361023
E2382-6002119	E2450-5002117	E3110-613262	E4780-1221107	E9127-191494	I1010-380023
E2382-6003119	E2450-5004117	E3110-614162	E4780-1223107	E9127-191594	I1011-001619
E2382-6004119	E2450-5006117	E3110-614262	E4780-1226107	E9127-191694	I1011-002019
E2382-6006119	E2796-010084	E3300-000086, 174	E4780-1451107	E9127-191894	I1011-007019
E2382-6099119	E2796-071483	E3300-000186, 174	E4780-1453107	E9127-191994	I1011-083019
E2383-5001119	E2796-079283	E3300-001092	E4780-1456107	E9127-250094	I1011-092019

I1011-201119	I1402-810067	11420-270657	12610-0920129	12652-2000131	13080-507585
I1011-260023	I1402-810867	11420-270757	12610-1200129	12652-3000131	I6308-1515127
I1011-301019	11402-820067	11420-260058	12610-1220129	12652-4500131	16342-4270127
I1011-460023	11402-970074	11420-270057	12610-1500129	12652-7800131	16348-1515127
I1011-583019	I1402-970174	I1420-279957	12610-1620129	12653-1120131	19023-1615115
11011-800022	11402-970874	11485-081065	12611-1200129	12653-2000131	19023-1650115
11012-260023	11402-970974	11485-281065	12611-1500129	12653-3000131	15025 1050
11012-360023	11402-979974		12611-1600129		►N
		11494-140064		12653-4500131	
11012-361023	I1402-980074	11494-141064	12611-2000129	12653-4800131	N0072-461996
11012-460023	I1402-9800-BC73	12310-5800117	12611-2100129	12653-6000131	N0074-461996
11022-000023	11402-980974	I2310-5841117	I2611-2400129	12653-7800131	N0081-488996
11022-060023	11402-990974	12310-5842117	12612-1000132	12662-1120131	N0082-499396
11022-061023	I1402-9909-BC73	12310-5843117	12612-1100132	12662-2000131	N0082-499696
I1022-081023	I1405-150157	12310-5844117	12612-1200132	12662-3000131	N0082-499996
11022-260023	I1405-150257	12310-5846117	12612-1300132	12662-4500131	N0086-461996
I1022-460023	I1405-150357	12310-5848117	12612-3000132	12662-7800131	N0097-488996
I1026-781019	11405-150457	12312-2720127	12612-3300128	12670-1680130	N0108-461996
I1050-000021	11405-150557	12312-2721127	12612-3400128	12670-1760130	N0117-499996
I1050-070021	11405-150657	12344-1000123	12612-3500128	12670-1848130	N0118-499996
I1050-071021	11405-150757	12344-1040123	12612-4300128	12670-1936130	N0119-461996
I1050-072821	11405-051058	12350-5800117	12612-4400128	12670-2100130	N2000-010022
11052-000021	11405-150057	12350-5841117	12612-4500128	12670-2200130	N2400-0001144
11052-000121	11405-150857	12350-5842117	12612-4600128	12670-2310130	N2400-1001144
11052-001021	11405-439059	12350-5843117	12612-4700128	12670-2420130	N2400-1002144
11053-000020	11405-810067	12350-5844117	12612-5000132	12670-2940130	N2400-1003144
11053-070020	11405-810867	12350-5846117	12612-5300128	12670-3080130	N2400-1004144
11053-071020	11405-820067	12350-5848117	12612-5400128	12670-3234130	N2400-1005144
11053-072820	I1409-270069	12381-2305120	12612-5500128	12670-3388130	N2400-1006144
11054-000021	11409-370070	12381-5040116	12612-5600128	12671-2825133	N2400-1008144
I1054-000121	11409-380070	12381-5041116	12612-6000132	12671-2830133	N2400-2010147
I1054-001121	I1409-470068	12381-5042116	12612-7000132	12671-3911133	N2400-3010147
I1054-002821	I1409-570068	12381-5043116	12612-8000132	12671-3912133	N2400-3011147
I1400-080068	I1412-740064	12381-5044116	12612-9000132	12671-3913133	N2400-4001149
I1400-080868	I1412-741064	12381-5046116	12613-1000132	12671-3914133	N2400-4002149
11400-090068	11415-100157	12381-5048116	12613-1100132	12671-3915133	N2400-4020148
I1400-100859	I1415-100257	12381-5049116	12613-1200132	12671-3916133	N2400-4021148
I1400-120068	I1415-100357	12396-5048123	12613-1300132	12671-3921130	N2400-4022148
I1400-120868	11415-100457	12510-5005120	12613-3000132	12671-3922130	N2400-4023148
11400-129068	11415-100557	12602-1000132	12613-5000132	12671-3923130	N2400-4024148
11402-040071	11415-100657	12602-1100132	12613-6000132	12671-3924130	N2400-4025148
11402-050071	11415-100757	12602-1200132	12613-7000132	12671-3925130	N2400-4026148
11402-060071	11415-250158	12602-1300132	12613-8000132	12671-5013133	N2400-4100149
	11415-250258	12602-3000132	12613-9000132	12671-5018133	
11402-120068					
11402-120868	11415-250358	12602-3300128	12615-1000130	12671-5020133	N2400-4102149
11402-270069	11415-250458	12602-3400128	12615-2600130	12671-7030133	N2400-4103149
11402-280069	11415-250558	12602-3500128	12615-3600130	12671-7211133	N2400-4104149
11402-290069	11415-250658	12602-4300128	12632-3300129	12671-7814133	N2400-4105149
11402-290869	11415-250758	12602-4400128	12632-3400129	12672-7811133	N2400-4106149
I1402-350068	l1415-100057	12602-4500128	12632-3500129	12672-7812133	N2400-4107149
I1402-350868	I1415-100857	12602-4600128	12632-4300129	12672-7813133	N2400-4108149
I1402-350968	I1415-150859	12602-4700128	12632-4400129	12672-7814133	N2400-4900150
I1402-360068	I1415-250058	12602-5000132	12632-4500129	12672-7815133	N2400-4901150
11402-360968	I1415-250858	12602-5300128	12632-4600129	12672-7816133	N2400-4902150
11402-370070	I1415-510058	12602-5400128	12632-4700129	12672-7821130	N2400-5000140
I1402-370870	I1415-539059	12602-5500128	12632-5300129	12672-7822130	N2400-5103140
11402-380070	I1415-551058	12602-5600128	12632-5400129	12672-7823130	N2400-5104140
11402-430067	I1420-270157	12602-6000132	12632-5500129	12672-7824130	N2400-6011143
11402-430867	I1420-270257	12602-7000132	12632-5600129	12672-7825130	N2400-6012141, 143
I1402-470068	11420-270357	12602-8000132	12650-2600130	12928-735582	N2400-6013141, 143
11402-570068	11420-270457	12602-9000132	12650-3600130	13080-103885	N2400-6014143
11402-670068	11420-270557	12610-0800129	12652-1120131	13080-107585	N2400-6015143
	,20 2,03		.2002 1120131		

# Catalogue Number Index

N2400-6110143	N7519-461995	R1081-070930, 31	S1111-0810-C12	S1113-100012	S1123-1840-C15
N2400-7010142	N7519-488995	R1081-270030, 31	S1111-081612	S1113-1000-C12	S1160-370017
N2400-8010146	N7519-499995	R1081-270930, 31	S1111-0816-C12	S1113-100612	S1160-3700-C17
N2400-8011145, 146	N7519-742595	R1081-370030, 31	S1111-100012	S1113-1006-C12	S1160-380017
N2400-8020146	N9900-0001156	R1081-370930, 31	S1111-1000-C12	S1113-120013	S1160-3800-C17
N2400-8021145, 146		R1081-570030, 31	S1111-100612	S1113-1200-C13	S1160-970017
N2400-8030145	▶P	R1081-570930, 31	S1111-1006-C12	S1113-120613	S1160-9700-C17
N2400-8040141	P1112-002153	R1128-081030, 31	S1111-120013	S1113-1206-C13	S1160-980017
N2400-8041141	P1112-010153	R1128-081930, 31	S1111-1200-C13	S1113-121613	S1160-9800-C17
N2400-8042141	P1112-020153	R1128-281030, 31	S1111-121013	S1113-1216-C13	S1161-170017
N2400-8043141	P1112-100153	R1128-281930, 31	S1111-1210-C13	S1113-170013	S1161-1700-C17
N2400-9000139	P1112-110153	R1128-381030, 31	S1111-120613	S1113-1700-C13	S1161-172017
N2400-9001139	P1112-150153	R1128-381930, 31	S1111-1206-C13	S1113-170613	S1161-1720-C17
N2400-9002139	P1112-200153	R1128-581030, 31	S1111-170013	S1113-1706-C13	S1161-180017
N2400-9003139	P1122-002153	R1128-581930, 31	S1111-1700-C13	S1113-180012	S1161-1800-C17
N2400-9004139	P1122-020153	R1181-070030, 31	S1111-170613	S1113-1800-C12	S1161-182017
N2400-9005139	P1122-100153	R1181-070930, 31	S1111-1706-C13	S1113-180612	S1161-1820-C17
N2400-9006139	P1122-110153	R1181-270030, 31	S1111-180012	S1113-1806-C12	
					\$1161-370017
N2400-9007139	P1122-150153	R1181-270930, 31	S1111-1800-C12	S1113-181012	S1161-3700-C17
N2400-9008139	P1122-200153	R1181-370030, 31	S1111-180612	S1113-1810-C12	S1163-170017
N2400-9009139	P1132-002153	R1181-370930, 31	S1111-1806-C12	S1113-181612	S1163-1700-C17
N2400-9010139	P1132-010153	R1181-570030, 31	S1111-181012	S1113-1816-C12	S1163-180017
N2400-9011139	P1132-020153	R1181-570930, 31	S1111-1810-C12	S1120-171015	S1163-1800-C17
N2400-9012139	P1132-100153		S1111-181612	S1120-1710-C15	S1180-171017
N2400-9013139	P1132-110153	<b>▶</b> 5	S1111-1816-C12	S1120-174015	S1180-1710-C17
N2400-9014139	P1132-200153	S1110-300012	S1111-300012	S1120-1740-C15	S1180-174017
N2400-9015139	P1142-002153	S1110-3000-C12	S1111-3000-C12	S1120-181015	S1180-1740-C17
N2520-3200155	P1142-010153	S1110-370013	S1111-320013	S1120-1810-C15	S1180-181017
N2520-4800155	P1142-020153	S1110-3700-C13	S1111-3200-C13	S1120-184015	S1180-1810-C17
N2530-1500155	P1142-100153	S1110-380012	S1111-321013	S1120-1840-C15	S1180-184017
N2530-8200155	P1142-110153	S1110-3800-C12	S1111-3210-C13	S1120-271015	S1180-1840-C17
N2530-8300155	P1142-200153	S1110-381012	S1111-370013	S1120-2710-C15	S1180-371017
N2540-8400155	P1151-020153	S1110-3810-C12	S1111-3700-C13	S1120-281015	S1180-3710-C17
N2540-8500155	P1151-100153	S1110-900012	S1111-380012	S1120-2810-C15	S1180-381017
N2631-0008153	P1151-110153	S1110-9000-C12	S1111-3800-C12	S1120-371015	S1180-3810-C17
N2631-0017152	P1151-200153	S1110-970013	S1111-381012	S1120-3710-C15	S1180-871017
N2631-0018153	P1151-210053	S1110-9700-C13	S1111-3810-C12	S1120-381015	S1180-8710-C17
N2700-1000151	P1162-000153	S1110-980012	S1111-600012	S1120-3810-C15	S1180-881017
N2700-1001151	P1191-000553	S1110-9800-C12	S1111-6000-C12	S1120-871015	S1180-8810-C17
N2700-1002151	P1191-5000-C53	S1110-981012	S1111-600112	S1120-8710-C15	S1180-971017
N2700-1003151	P7166-600241	S1110-9810-C12	S1111-6001-C12	S1120-881015	S1180-9710-C17
N3000-200095	P7166-610341	S1110-3810-C12		S1120-8810-C15	
			S1111-670013 S1111-6700-C13		S1180-981017
N3000-200195	P7166-610941	S1111-000012		S1120-971015	S1180-9810-C17
N3795-439195	P7166-630641, 42	S1111-0000-C12	S1111-670113	S1120-9710-C15	S1181-371017
N3795-439295	P7166-640241	S1111-000612	S1111-6701-C13	S1120-981015	S1181-3710-C17
N3795-439395	P7166-650141	S1111-0006-C12	S1111-680012	S1120-9810-C15	S1181-381017
N3795-439495	P7166-660541	S1111-020013	S1111-6800-C12	S1121-271015	S1181-3810-C17
N3795-439695	P7166-670141	S1111-0200-C13	S1111-680112	S1121-2710-C15	S1182-173017
N3795-439995	P7166-680041	S1111-020613	S1111-6801-C12	S1121-381015	S1182-1730-C17
N3795-461995	P7166-690441	S1111-0206-C13	S1111-681012	S1121-3810-C15	S1182-183017
N3795-488995		S1111-021013	S1111-6810-C12	S1122-173015	S1182-1830-C17
N3795-499995	▶R	S1111-0210-C13	S1111-681112	S1122-1730-C15	S1183-171017
N3795-742595	R1028-081030, 31	S1111-070013	S1111-6811-C12	S1122-183015	S1183-1710-C17
N3942-7000155	R1028-081930, 31	S1111-0700-C13	S1112-102012	S1122-1830-C15	S1183-174017
N3942-7500155	R1028-281030, 31	S1111-070613	S1112-1020-C12	S1123-171015	S1183-1740-C17
N3952-7018155	R1028-281930, 31	S1111-0706-C13	S1112-172013	S1123-1710-C15	S1183-181017
N3952-7518155	R1028-381030, 31	S1111-080012	S1112-1720-C13	S1123-174015	S1183-1810-C17
N5127-461995	R1028-381930, 31	S1111-0800-C12	S1112-182012	S1123-1740-C15	S1183-184017
N5127-488995	R1028-581030, 31	S1111-080612	S1112-1820-C12	S1123-181015	S1183-1840-C17
N5127-499995	R1028-581930, 31	S1111-0806-C12	S1112-183012	S1123-1810-C15	S1602-290069
N5127-742595	R1081-070030, 31	S1111-081012	S1112-1830-C12	S1123-184015	S1602-430067

	_				
S1605-0000		S7112-051037		T-XL	
S1605-0000-C		\$7150-500036		T-XS	
S1605-0099		S7166-001041		01	
S1615-55005		S7200-000042		01-C	
S1615-5500-C	6	S7200-000142	XTM3	02	170
S1615-55105	6	S8012-0000137	XTM3	02-C	170
S1615-55505	6	S8012-0010137		05	
S1615-55995	6	S8012-0011137	XTM3	05-C	170
S1620-27005	6	S8012-0012137	XTM3	80	170
S1620-2700-C	6	S8012-0013137	XTM3	08-C	170
S1620-27995	6	S8012-0014137	XTM3	09	170
S1830-96008	1	S8012-0015137	XTM3	09-C	170
S1830-9610	1	\$8012-0016137	XTM3	53	170
S1833-96008	1	\$8012-0017137	XTM3	53-C	170
S1833-96108	1	\$8012-0018137			
S1837-9600	1	S8012-0019137			
S1837-96108	1	S8012-0020137			
S1884-2000	7	S8012-0021137			
S1884-2400	7	SG-C-L160			
S1884-2410	7	SG-C-M160			
S1896-1000	7	SG-C-S160			
S1896-1110	7	SG-C-XL160			
S1896-1800	7	SG-C-XS160			
S1896-2000	7	SG-N-L162			
S1896-2110	7	SG-N-M162			
S1896-2800	7	SG-N-S162			
S1896-5000	7	SG-N-XL162			
S1896-5110		SG-N-XS162			
S1896-5800	7	SG-P-L161			
S4026-1500	4	SG-P-M161			
S4026-5806		SG-P-S161			
S4751-00102		SG-P-XL161			
S4751-00502	4	SG-P-XS161			
S4751-01002		SG-T-L163			
S4751-02502		SG-T-M163			
S4751-05002		SG-T-S163			
S4751-10002		SG-T-XL163			
S4751-25002		SG-T-XS163			
\$4751-50002		SU-INT-I167			
\$4756-250024, 4		SU-INT-M167			
\$4756-500024, 4		SU-INT-S167			
\$4761-00102		SU-INT-XL167			
S4761-00502		SU-INT-XS167			
S4761-0100		107			
S4761-02502		▶T			
S4761-05002		TM305171			
S4761-10002		TM305-C171			
S4761-25002		TM308171			
S4761-50002		TM308-C171			
S4765-250024, 4		TM309171			
\$4765-500024, 4		TM309-C171			
\$7100-0125		TM328171			
57100-0220		TM328-C171			
57100-0221		TM353171			
\$7100-0221		TM353-C171			
\$7100-0310		TR021170, 171			
\$7100-2200		111021170, 171			
\$7108-0510	-	▶X			
S7108-1100		XC-INT-L167			
\$7108-3300		XC-INT-M167			
\$7108-3300		XC-INT-S167			
57110 1000		111 3107			

# **Notes**

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