LIQUID HANDLING TECHNOLOGY

20 Years of TipOne®

- The Original -

PRODUCTS FOR THE LABORATORY 2018

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

STAR LAB

Here it is: our new Catalogue!

Dear friends and customers of STARLAB,

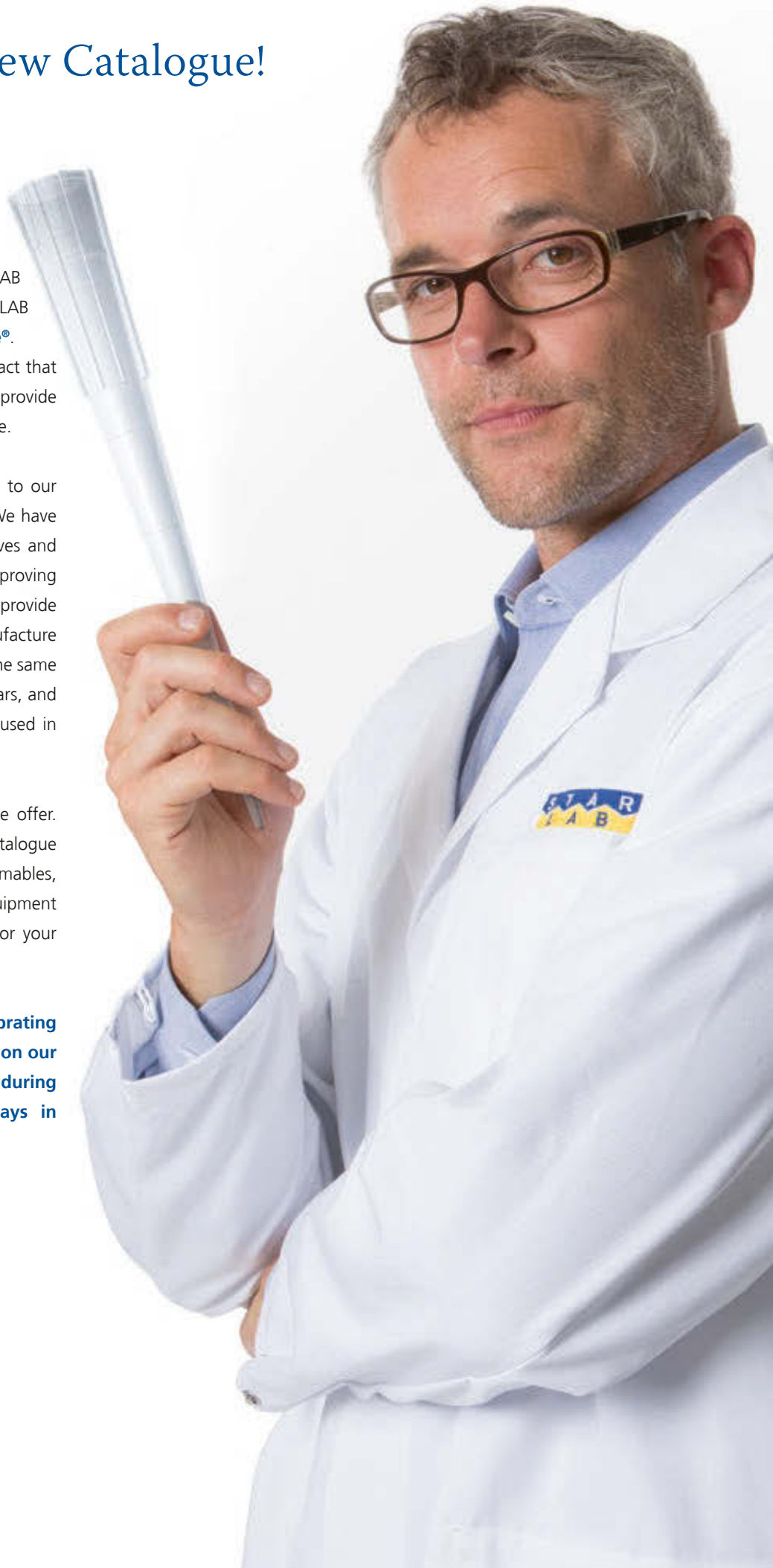
We are proud to present our new STARLAB Catalogue. 2018 is a special year for STARLAB because we celebrate **20 Years of TipOne®**. The success of TipOne® stems from the fact that it was the first system on the market to provide a refill system that was actually easy to use.

During those 20 years, we have listened to our customers' comments and suggestions. We have made improvements to the tips themselves and to the design of the product, as well as improving the manufacturing processes in order to provide high quality tips that are greener to manufacture and use less resources. TipOne® remains the same tip that you have used and trusted for years, and that is why it is one of the leading tips used in research labs across the world.

STARLAB is proud of all the products we offer. Alongside TipOne®, the 2018 STARLAB Catalogue offers the usual range of high-quality consumables, laboratory essentials and benchtop equipment that offer 'Intelligent Quality' solutions for your laboratory applications.

We hope you will join us in celebrating 20 years of TipOne®. Keep an eye out on our website, Facebook or Twitter pages during 2018 for competitions and giveaways in celebration of our 20th Birthday!

Your STARLAB team



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STARLAB Quality & Service

The STARLAB Group

The STARLAB Group specialises in the field of Liquid Handling Technology, offering a comprehensive product range that is available direct from its own organisations in UK, Germany, France and Italy, as well as through many expert distributors throughout the world. STARLAB's success is founded on its expertise in automated injection moulding processes for the manufacture of high quality laboratory consumables for research and development.

STARLAB has earned an excellent reputation within the research community as a consultative company who takes a structured approach to Liquid Handling products and support. STARLAB works very closely with their customer network to continuously improve the products they offer, and to seek out new opportunities both from a product and support perspective.

STARLAB products

The STARLAB UK portfolio includes an extensive range of pipette tips, pipettes and other products for the laboratory, as well as running a UKAS accredited calibration laboratory (4296) for pipettes.

STARLAB manufactured consumables are in daily use in laboratories throughout the world and have a proven track record of performance and reliability. Quality Control procedures are second to none, ensuring the highest possible levels of cleanliness, with all products certified RNase, DNase, DNA and Pyrogen free.

The STARLAB promise

Quality, price and service are the principles on which the STARLAB Group is built. STARLAB is confident that you will find all their products to be of excellent quality and excellent value.

An accredited organisation

As an **ISO 9001** accredited company customers can be sure of a high quality service from order through delivery to after sales care. STARLAB was the first UK company within its sector to be accredited **ISO 14001** for environmental management.

4296

STARLAB is a UKAS accredited calibration laboratory (4296). You can be sure all our technicians are competent and our instruments are calibrated and properly maintained.

"Our aim is to service the laboratory market with the very highest quality goods and unrivalled levels of service."

Investing in the Future

Sustainable and progressive

STARLAB prides itself on being a 'green' company from start to finish. We don't offer quick fixes or 'green gimmicks' to get a customer's attention, we believe in working on long-term strategies to reduce the company's impact on the environment.

As a manufacturer, STARLAB has control over the design and manufacture of its products. Our green ideas start at the design stage, and our research and development team is constantly looking at ways to more efficiently manufacture greener products.

As a young, innovative company, STARLAB has become a green leader in its field, setting the environmental standard for others to follow.

GREEN design

- TipOne® is the original, reusable, refillable and recyclable pipette tip system
- Pack and case dimensions are designed to fit efficiently on a pallet to help save shipping costs
- Pack and case cartons are made from recycled and recyclable cardboard
- Our four newest TipOne® tips save substantial amounts of raw material, enabling us to minimise the volume of fossil oil used and reduce waste quantities
- Thanks to the compact design of our recently redesigned TipOne® refill, a reduction by up to 60% volume and up to 50 % weight (1 ml refill without tips) has been achieved, resulting in less consumption of resources and lowering CO_2 emissions during production and transportation

GREEN manufacturing

- Hot runner moulds to save on plastic usage
- Closed-water-cycle cooling processes save energy
- The use of modern, hybrid moulding machines consume much less energy than the older, hydraulic machines
- The use of multi-cavity moulds to consume less energy
- One third of the factory's energy is sourced from wind power

GREEN Marketing and Administration

- STARLAB catalogues, brochures and marketing materials are printed on FSC paper by an ISO 14001 accredited print house
- STARLAB continually reviews administrative processes to reduce, reuse and recycle all of its office consumables
- STARLAB UK is zero landfill! All waste generated at Milton Keynes is recycled, even the food waste from our canteen

FSC®
www.fsc.org
RECYCLED
Paper made from recycled material
FSC® C004867

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.

Freezer features

- Use as your personal -80 °C storage place
- Reduces heat and noise in your laboratory
- Temperature logger with USB port
- No filter; maintenance free!
- 50 hour battery backup

Organise to optimise!

- Stainless steel racks that fit perfectly inside the freezer to utilise storage capacity to the full are also available. The racks hold 50 mm, 75 mm or 100 mm high storage boxes with a standard 133x133 mm footprint.

Rack features

- Pull out trays to access your samples easily
- Optimises storage capacity for efficient energy use

Underbench Freezer
See page 184 for details.

StarChill qPCR Chiller Rack

Maintain a fridge environment on the benchtop!

Unique for Rotor-Gene® tubes!

The centre section of the StarChill rack changes 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.

The colour changes from blue to white as the rack adjusts to ambient temperature.

Product features:

- Tube Capacity:
  64 x 0.1ml Rotor-Gene® tubes,
  16 x 0.2ml single tubes
  (or 2 x 8 strips), 4 x 0.5ml tubes
- Maintains sample temperature below 4°C for approximately 2.5 hours

StarChill qPCR Chiller Rack
See page 151 for details.

Mini Fuge Plus

New design for safer, faster working

Our next-generation Mini Fuge is ideal for the quick spin down of condensate, vortexed or thawed samples. Microfiltration and cell separation up to 2000 x g is also possible.

Larger capacity

The new Mini Fuge Plus provides higher sample throughput for even more convenience at your bench.
The microcentrifuge tube rotor holds eight tubes and is supplied with adapters in order to accommodate a range of volumes from 0.5 ml to 2.0 ml. The strip tube rotor holds up to 32 individual 0.2ml tubes or four 8-strips.

Quick release rotor system

Rotor exchange is quick and easy. No special tools are needed and the rotors can be changed in seconds.

Fast or gradual stop

To achieve rapid deceleration of the rotor, simply press the lid release button to activate a 'braked' stop. Alternatively, press the power button to off and the rotor will come to a gradual stop.

Mini Fuge Plus
See page 180 for details.

Microflex® Gloves

Specialist hand protection

STARLAB is committed to supplying the best hand protection to its customers. We have added three gloves from Microflex to expand our range of high quality gloves for use in the laboratory. These specialist gloves will provide you with even more choice to select the best glove for the job in hand.

Extra Long Nitrile Glove

A soft durable nitrile glove with extended protection up to the elbow, ideal for use in the hood.

Ergonomically Certified Neoprene

A soft and pliable neoprene glove that provides effective resistance to many chemicals, and provides a comfortable and tactile wear that is close in feel to latex.

Chemical Resistant Glove

A nitrile and neoprene glove that provides superior protection against harsh chemicals, whilst still providing comfort and dexterity for the user.

Microflex Gloves
See pages 197–200 for details.

Anything else you need to know...

New UK eShop

We hope you are as excited with our new website and online shop as we are. We have designed a faster, easier to navigate site with many new features to help you find the right products. During 2018 we will continue to add to the site to improve your online experience.

www.starlab.co.uk

TipFinder – find the right tip for your pipette

Did you know STARLAB tips fit most pipettes on the market? We created the STARLAB TipFinder for you to find the perfect tip match for your pipette.

STARLAB TipOne® pipette tips offers 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**

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

Pipette Tips

Always the right tip!

Our expertise in automated injection moulding provides all the tips you need for a diverse range of applications.

TipOne® PIPETTE TIPS

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20 YEARS TIPONE® – THE ORIGINAL

The idea

Before the introduction of TipOne® in May 1998, researchers and technicians struggled with tip–pipette compatibility. Most labs work with different sets of pipette models from several suppliers. Best tip fit was provided only with the pipette tips supplied by the pipette manufacturer. STARLAB had the groundbreaking idea to design pipette tips to fit all popular pipettes. ONE tip for all pipettes. TipOne® was born and started its worldwide success!

Innovative from the very beginning

Graduations

The first TipOne® portfolio included pipette tips with graduations. More and more customers expect graduated tips and that is why the majority of our current tips are graduated.

XL tips

In the noughties, an increasing number of researchers asked for longer tips for better access into long tubes. STARLAB listened and developed the first TipOne® XL tips: 1250µl XL and 10/20µl XL. Both tips proved very successful and are still part of our portfolio.

UltraPoint

At the beginning of the 2010s a new trend was established: tips with a very thin-wall at the orifice. In 2014 STARLAB introduced the new spearhead of the TipOne® portfolio: the 200 µl UltraPoint tip. The thin-wall UltraPoint orifice helps to prevent sample hang up and makes it easier to touch-off the last drop of sample.

Thin-wall technology

Although TipOne® tips already fit perfectly to most pipettes, we continuously improve the tip fit further. We increased the flexibility of the new 200 µl UltraPoint and 1000 µl tip. The thin-wall tip collar now fits more pipettes even better, and reduces loading and ejection forces.

A system with a system

Another reason why TipOne® has been so successful is that it is truly one complete system. Convenience and quality are at the heart of the TipOne® system. All components are interchangeable, and the system comprises only two racks which means there is no cross referencing of which refill fits into which rack – it is so easy to use!

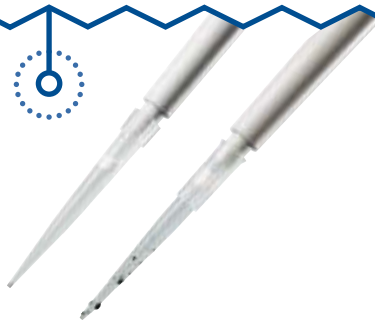
Green from the beginning

STARLAB has been a green company from the start. The first TipOne® tips were launched with an ecological refill system.

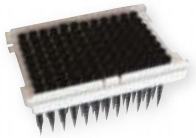
We are proud of our pipette tip system and hope you will join us in celebrating **20 Years of TipOne®**. Keep an eye out on our website, Facebook or Twitter pages during 2018 for competitions and give-aways in celebration of our **20th Birthday**!

TipOne® was first introduced in **May 1998**. TipOne® tips were the first pipette tips fitting all popular pipettes.

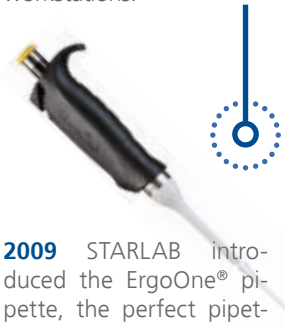
The TipOne® system included a convenient refill system from the beginning.



2004 TipOne® RPT (Repel Polymer Technology) tips added to the range. STARLAB optimized conventional polypropylene surfaces in order to improve the flow of sticky liquids without adding a coating to the tips to interfere with samples.



2004 In awareness of ongoing automisation in liquid handling, STARLAB introduces TipOne® tips for Tecan liquid handling workstations.



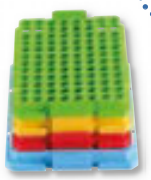
2009 STARLAB introduced the ErgoOne® pipette, the perfect pipetting partner for TipOne®.

2016 saw the introduction of the new TipOne® bags that conveniently stand up on the bench. The zip lock protects your tips for safe, contamination free storage.

2017 The new design Stack Rack is on the horizon. It will still have a wide base for stability but will feature a convenient transparent lid and layers. The new TipOne® system will then be complete.

2013 Saw the start of the introduction of our next generation tips. Our newly designed, state of the art pipette tips have flexible thin-wall tip collars for a perfect fit. They are greener too - using up to 50% less material during manufacture.

2015 Our newly designed modern-looking rack provides stability and is robust enough to be used over and over again. You can see the quality of the perfect rack for yourself!



2014 Following customer feedback, colour-coded wafers were introduced to provide fast, visual identification of tip volume.

2015 The new clever refill provided benefits such as an even more compact design, plus all components are now made from easy to recycle polypropylene.

2015 Launch of our unique sterile filter tip refill to the TipOne® system. The new refill provides an economical and eco-friendly-alternative to racked filter tips.

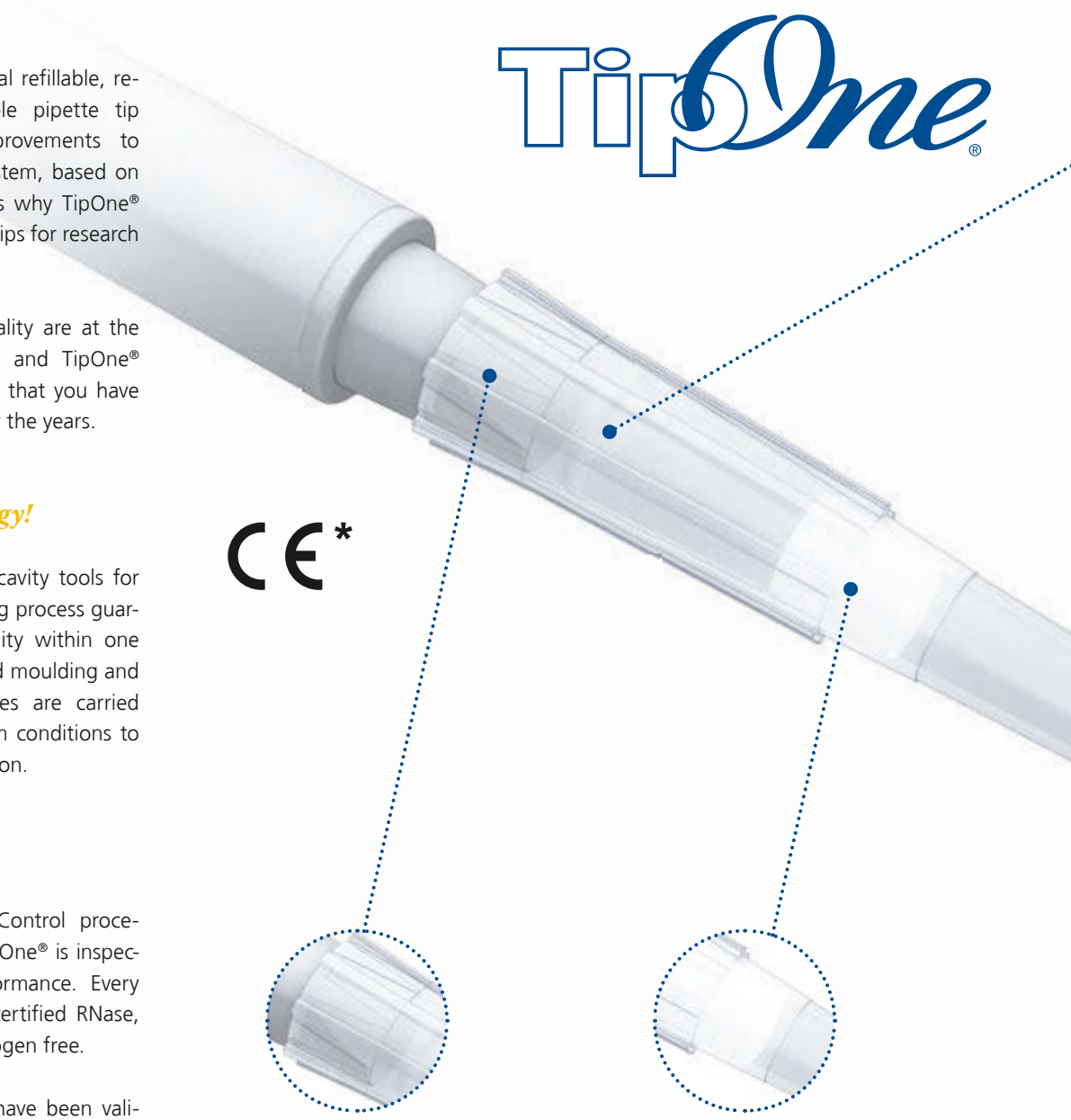
2018 - 20 Years of TipOne®!
20 Years of TipOne®! The same trusted tip in the newly designed, reusable, refillable and recyclable pipette tip system.

How do we improve something that is already perfect?
STARLAB's R&D team will continue to work with our customers on improvements for TipOne® to provide products that researchers want to use STARLAB is committed to continuing to provide innovative, eco-friendly high quality products, *designed by you*.

The Trusted Tip

TipOne® is the original refillable, re-usable 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.

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

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 22–23.

* 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.

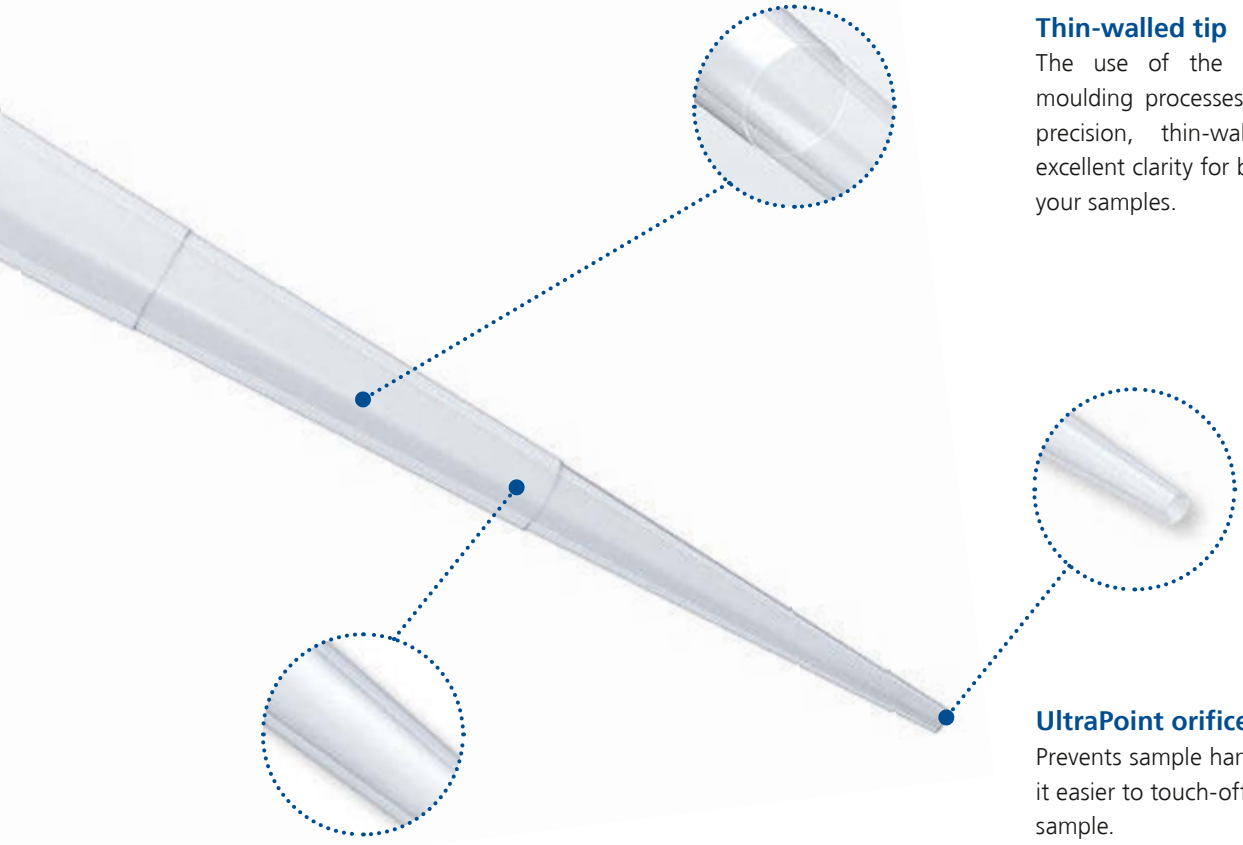
Universal!

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 injection-moulding processes produces high-precision, thin-walled tips with excellent clarity for better visibility of your samples.

UltraPoint orifice

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

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 24–25.

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_2 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

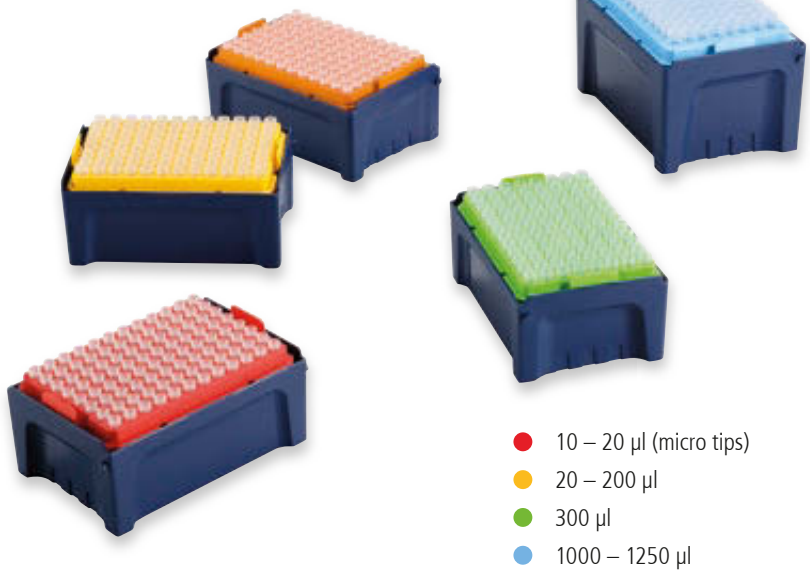
For us, providing you, the user, with all the information you need while you are pipetting at the bench is "Intelligent Quality". Our tip wafer contains all the useful information on the tips that it holds.

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!

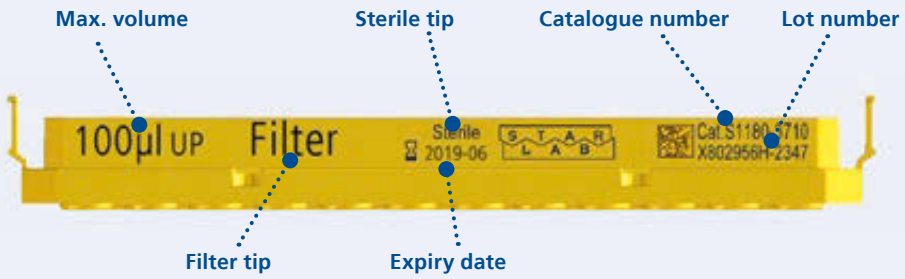
The system comprises **two racks only:** one small, one large. Small rack for use with tip volumes 10 µl to 300 µl; large rack for use with tip volumes 1000 µl and 1250 µl.
Using our refills and reusing our racks could not be easier.

TipOne®

- 10 – 20 µl (micro tips)
- 20 – 200 µl
- 300 µl
- 1000 – 1250 µl
- TipOne® RPT (all volumes)

System Components Overview

Traceability on every tip wafer across the system



CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

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.

The Perfect Rack

The perfect Rack

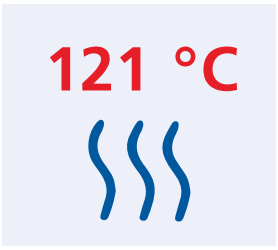
The rack is at the heart of the TipOne® pipette tip system:

- 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

User friendly

Super transparent lid provides protection for the tips whilst still allowing a clear view of the contents and the information printed on the wafer



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.

Stackable

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.

The Clever Refill

The clever Refill

- A quick and easy way to obtain economical racked tips
- Eco-friendly refills which uses less resources
- 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

Quick and easy to use

Separate the refill
The two-part label splits easily to provide two, individually-sealed stacks of tips.

Remove the top refill
Remove the protective film and lift the top wafer, including the top shell, off the stack. (The spacer below the wafer will lift too.)

Refill the rack
Place the wafer, top shell, and spacer directly into the empty rack. The refill will click securely in place.

Start pipetting
Remove the lid and you are ready to start pipetting. Refilling a rack takes only a few seconds!

Protecting your unracked refills

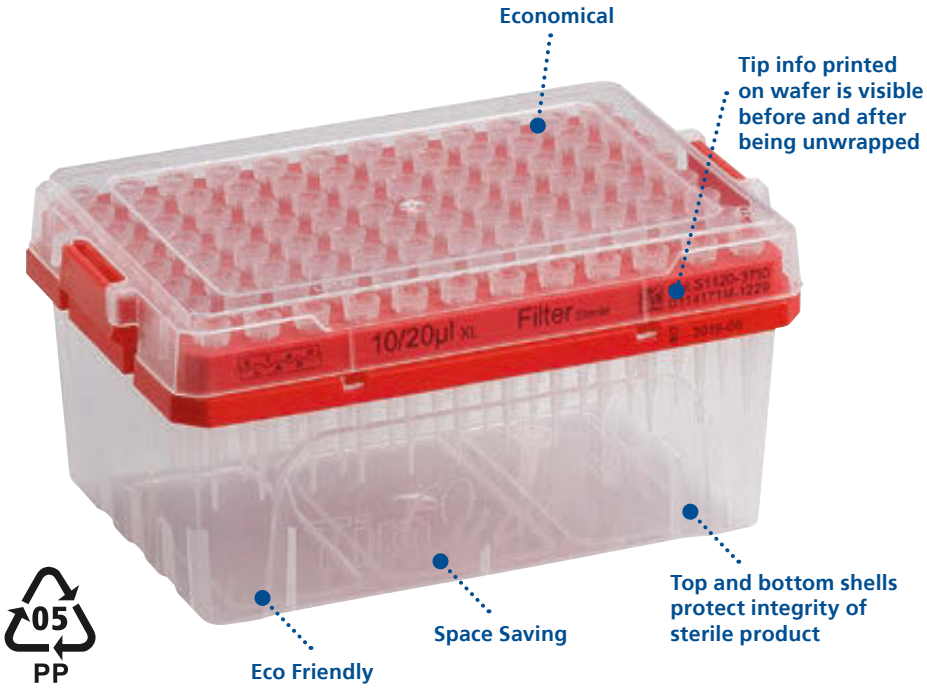
The top shell (or refill lid) can remain inside the refilled rack for extra protection, or if you are not racking all five refills at the same time, it can be placed back on the top layer of the open refill.
This will protect the remaining tips of the refill. (There's no need to take off the bottom shell when transferring the last wafer. Both bottom shell and wafer fit inside the new rack.)

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



Quick and easy to use!

Unwrap
Use the "PULL TO OPEN" strip to remove the outer wrap.

Refill
Hold the refill by the finger tabs on either end and place the entire unit inside an empty rack until the wafer clicks into place.

Start pipetting
Remove the refill cover and you're ready to go!

Recycle your waste
The bottom shells of the refill are nestable and save on waste volume

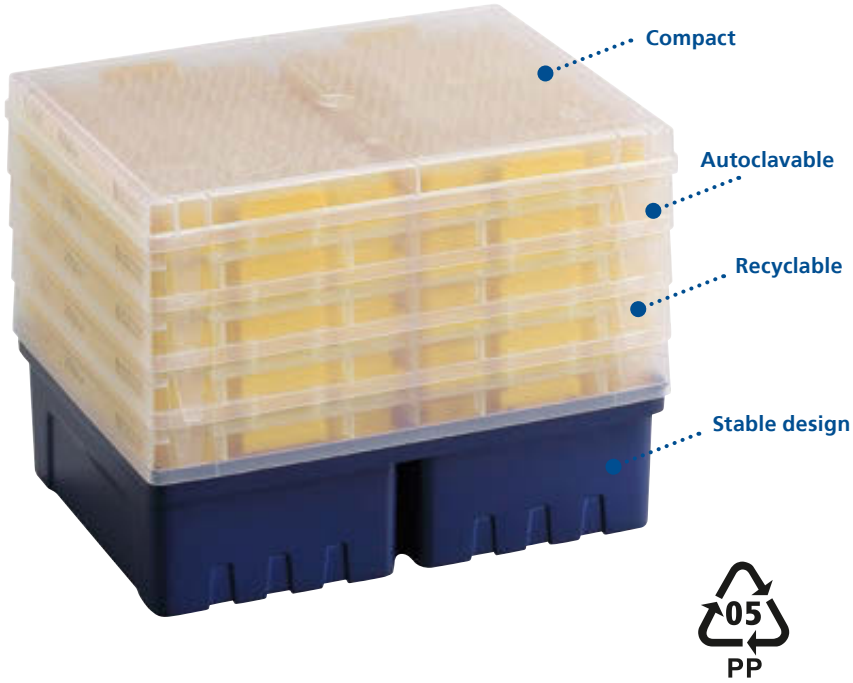
The filter tip refill can only be used in the new-style TipOne® racks which have the TipOne® logo on the front and three indentations on either side.

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



How it works:

Compact
960 tips in the palm of your hand. Small footprint saves valuable bench space. Use straight from the stack.

Stable
Wide base for excellent stability, even with multi-channel use. The inter-locked layers will not lift or loosen during use.

High-throughput
Remove each layer once you have used the tips to reveal the new layer of tips beneath.

Safe storage
Replace the lid when not in use to keep your tips clean, tidy and safe.

The Self-Standing Bag

The self-standing Bag

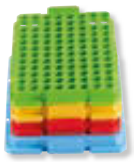
- Self-standing bag for easy and convenient access and storage
- Tamper-proof, easy-open perforation strip on bag
- Resealable zip-lock for safe, contamination- free storage
- Economical – ideal for teaching labs or non-critical work
- Recyclable

TipOne®

PIPETTE TIPS	Loose	Racked	Racked
	1000 / Bag	10 x 96-Tip Racks	10 x 96-Tip Sterile Racks
10 µl Graduated Tip (Graduations: 2,5 µl, 10 µl)	**S1111-3000** £22.18 **S1111-3000-C (50)**	**S1111-3800** £35.17 **S1111-3800-C (8)**	**S1111-3810** £41.73 **S1111-3810-C (8)**
10/20 µl XL Graduated Tip (Graduations: 1 µl, 5 µl, 10 µl, 20 µl)	**S1110-3000** £22.18 **S1110-3000-C (50)**	**S1110-3800** £35.17 **S1110-3800-C (8)**	**S1110-3810** £41.73 **S1110-3810-C (8)**
200 µl Tip	**S1111-0000** £20.87 **S1111-0000-C (25)**	**S1111-0800** £33.86 **S1111-0800-C (8)**	**S1111-0810** £40.42 **S1111-0810-C (8)**
200 µl Yellow Tip	**S1111-0006** £20.87 **S1111-0006-C (25)**	**S1111-0806** £33.86 **S1111-0806-C (8)**	**S1111-0816** £40.42 **S1111-0816-C (8)**
200 µl Bevelled Tip	**S1111-1000** £20.87 **S1111-1000-C (25)**	**S1111-1800** £33.86 **S1111-1800-C (8)**	**S1111-1810** £40.42 **S1111-1810-C (8)**
200 µl Yellow, Bevelled Tip	**S1111-1006** £20.87 **S1111-1006-C (25)**	**S1111-1806** £33.86 **S1111-1806-C (8)**	**S1111-1816** £40.42 **S1111-1816-C (8)**
200 µl UltraPoint Graduated Tip (Graduations: 10 µl, 50 µl, 100 µl)	**S1113-1000** £20.87 **S1113-1000-C (25)**	**S1113-1800** £33.86 **S1113-1800-C (8)**	**S1113-1810** £40.43 **S1113-1810-C (8)**
200 µl UltraPoint Yellow Graduated Tip (Graduations: 10 µl, 50 µl, 100 µl)	**S1113-1006** £20.87 **S1113-1006-C (25)**	**S1113-1806** £33.86 **S1113-1806-C (8)**	**S1113-1816** £40.43 **S1113-1816-C (8)**
300 µl Graduated Tip (Graduations: 100 µl, 200 µl, 300 µl)	**S1110-9000** £22.89 **S1110-9000-C (25)**	**S1110-9800** £37.33 **S1110-9800-C (8)**	**S1110-9810** £44.48 **S1110-9810-C (8)**
1000 µl Graduated Tip (Graduations: 250 µl, 500 µl, 1000 µl)	**S1111-6000** £23.37 **S1111-6000-C (20)**	**S1111-6800** £38.19 **S1111-6800-C (4)**	**S1111-6810** £45.07 **S1111-6810-C (4)**
1000 µl Blue Graduated Tip (Graduations: 250 µl, 500 µl, 1000 µl)	**S1111-6001** £23.37 **S1111-6001-C (20)**	**S1111-6801** £38.19 **S1111-6801-C (4)**	**S1111-6811** £45.07 **S1111-6811-C (4)**
1250 µl XL Graduated Tip (Graduations: 100 µl, 250 µl, 500 µl, 1000 µl)	**S1112-1020** £22.77 **S1112-1020-C (16)**	**S1112-1820** £43.82 **S1112-1820-C (4)**	**S1112-1830** £50.56 **S1112-1830-C (4)**

NOTES: All tips shown actual size -"n/a" = not available.
Cat. Nos ending in -C are case sizes, the number in brackets = no. of packs per case.
NOTE: The new style of Stack Racks are to be introduced gradually during 2018. All part numbers will stay the same.

FREE SAMPLE TRY before you BUY available on request

				
	Refill	**Stack Rack**	**Stack Rack**	**Colour Coding**
	10 x 96-Tip Refills	**1 x 960-Tip Stack**	**1 x 960-Tip Sterile Stack**	
	S1111-3700 £29.33 **S1111-3700-C (10)**	**S1111-3200** £32.43 **S1111-3200-C (10)**	**S1111-3210** £37.92 **S1111-3210-C (10)**	
	S1110-3700 £29.33 **S1110-3700-C (10)**	**n/a**	**n/a**	
	S1111-0700 £24.80 **S1111-0700-C (10)**	**S1111-0200** £28.62 **S1111-0200-C (10)**	**S1111-0210** £35.41 **S1111-0210-C (10)**	
	S1111-0706 £24.80 **S1111-0706-C (10)**	**S1111-0206** £28.62 **S1111-0206-C (10)**	**n/a**	
	S1111-1700 £24.80 **S1111-1700-C (10)**	**S1111-1200** £28.62 **S1111-1200-C (10)**	**S1111-1210** £37.18 **S1111-1210-C (10)**	
	S1111-1706 £24.80 **S1111-1706-C (10)**	**S1111-1206** £28.62 **S1111-1206-C (10)**	**n/a**	
	S1113-1700 £24.80 **S1113-1700-C (10)**	**S1113-1200** £28.62 **S1113-1200-C (10)**	**n/a**	
	S1113-1706 £24.80 **S1113-1706-C (10)**	**S1113-1206** £28.62 **S1113-1206-C (10)**	**S1113-1216** £35.42 **S1113-1216-C (10)**	
	S1110-9700 £28.68 **S1110-9700-C (10)**	**n/a**	**n/a**	
	S1111-6700 £28.67 **S1111-6700-C (10)**	**n/a**	**n/a**	
	S1111-6701 £27.30 **S1111-6701-C (10)**	**n/a**	**n/a**	
	S1112-1720 £31.60 **S1112-1720-C (10)**	**n/a**	**n/a**	

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

S0000-1002: Small racks for use with all refills 10 µl to 300 µl

S9999-1002: Large racks for use with 1000 µl & 1250 µl refills

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

When ordering by the case (part numbers ending with -C), product is supplied in case cartons identifiable by the TipOne® logo.

CERTIFIED FREE OF RNase, DNase, DNA, PYROGENS

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.

www.starlab.click/**tipone**

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.

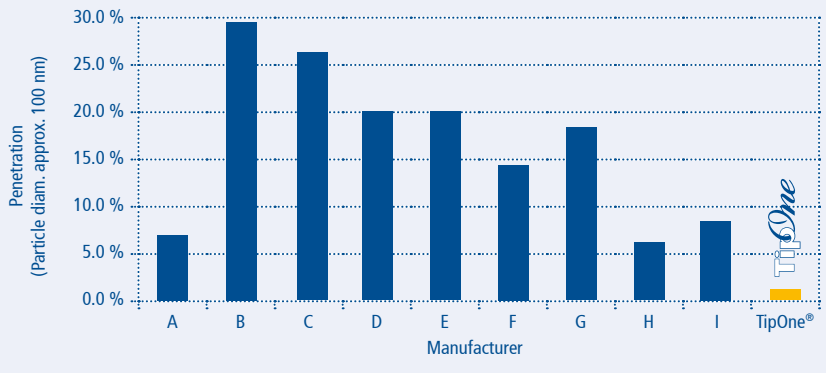
TipOne® filter tips contain no additives to interfere with your samples and are one of the best filters available on the market. They are proven* to block >99 % of aerosols. The results, shown below, speak for themselves!

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

FREE SAMPLE TRY before you BUY available on request

Aerosol transmission of TipOne® filter tips compared to other manufacturers' filter tips



*The comparative tests were conducted in an independent test institute with filter tips from other leading manufacturers.

Easy-open sterile packaging!

Unlike some sterile racks where you need a knife to open them, the plastic wrap on TipOne® filter tip racks and refills is quick and easy to open with a pull tab.

TipOne

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

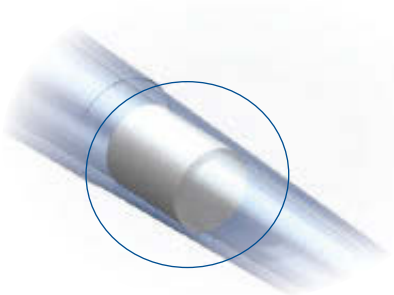
FILTER TIPS (STERILE)	Racked	Filter Refill	Colour Coding
	10 x 96-Tip Sterile Racks	10 x 96-Tip Sterile Refills	
10 µl Graduated Filter Tip (Sterile) (Graduations: 2.5 µl, 10 µl)	**S1121-3810** £72.85 **S1121-3810-C (8)**	**S1121-2710** £65.57 **S1121-2710-C (8)**	
10/20 µl XL Graduated Filter Tip (Sterile) (Graduations: 1 µl, 5 µl, 10 µl, 20 µl)	**S1120-3810** £72.85 **S1120-3810-C (8)**	**S1120-3710** £65.57 **S1120-3710-C (8)**	
20 µl Bevelled Filter Tip (Sterile)	**S1120-1810** £69.04 **S1120-1810-C (8)**	**S1120-1710** £62.16 **S1120-1710-C (8)**	
20 µl UltraPoint Graduated Filter Tip (Sterile) (Graduation: 10 µl)	**S1123-1810** £69.04 **S1123-1810-C (8)**	**S1123-1710** £62.16 **S1123-1710-C (8)**	
50 µl Bevelled Filter Tip (Sterile)	**S1120-2810** £69.04 **S1120-2810-C (8)**	**S1120-2710** £62.13 **S1120-2710-C (8)**	
100 µl Bevelled Filter Tip (Sterile)	**S1120-1840** £69.04 **S1120-1840-C (8)**	**S1120-1740** £62.16 **S1120-1740-C (8)**	
100 µl UltraPoint Graduated Filter Tip (Sterile) (Graduations: 10 µl, 50 µl, 100 µl)	**S1123-1840** £69.04 **S1123-1840-C (8)**	**S1123-1740** £62.16 **S1123-1740-C (8)**	
200 µl Graduated Filter Tip (Sterile) (Graduations: 50 µl, 100 µl, 200 µl)	**S1120-8810** £69.04 **S1120-8810-C (8)**	**S1120-8710** £62.16 **S1120-8710-C (8)**	
300 µl Graduated Filter Tip (Sterile) (Graduations: 100 µl, 200 µl, 300 µl)	**S1120-9810** £72.86 **S1120-9810-C (8)**	**S1120-9710** £65.57 **S1120-9710-C (8)**	
1000 µl XL Graduated Filter Tip (Sterile) (Graduations: 100 µl, 250 µl, 500 µl, 1000 µl)	**S1122-1830** £72.85 **S1122-1830-C (4)**	**S1122-1730** £65.57 **S1122-1730-C (4)**	

NOTES: All tips shown actual size. Cat. Nos ending in -C are case sizes, the number in brackets = no. of packs per case.

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

S0000-1002: Small racks for use with all refills 10 µl to 300 µl

S9999-1002: Large racks for use with 1000 µl & 1250 µl 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.

www.starlab.click/**filtertips**

TipOne® RPT

Leading manufacturer's low retention tip with green food dye

TipOne® RPT with green food dye

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.

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

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

FREE SAMPLE TRY before you BUY available on request

TipOne RPT

RPT TIPS	Racked	Refill
	10 x 96-Tip Racks	10 x 96-Tip Refills
10 µl RPT Graduated Tip (Graduations: 2.5 µl, 10 µl)	n/a	**S1161-3700** £32.19 **S1161-3700-C (10)**
10/20 µl RPT XL Graduated Tip (Graduations: 1 µl, 5 µl, 10 µl, 20 µl)	**S1160-3800** £39.23 **S1160-3800-C (8)**	**S1160-3700** £32.19 **S1160-3700-C (10)**
200 µl RPT Bevelled Tip	**S1161-1800** £37.32 **S1161-1800-C (8)**	**S1161-1700** £27.19 **S1161-1700-C (10)**
200 µl RPT UltraPoint Graduated Tip (Graduations: 10 µl, 50 µl, 100 µl)	**S1163-1800** £37.31 **S1163-1800-C (8)**	**S1163-1700** £27.19 **S1163-1700-C (10)**
300 µl RPT Graduated Tip (Graduations: 100 µl, 200 µl, 300 µl)	**S1160-9800** £45.55 **S1160-9800-C (8)**	**S1160-9700** £34.82 **S1160-9700-C (10)**
1250 µl RPT XL Graduated Tip (Graduations: 100 µl, 250 µl, 500 µl, 1000 µl)	**S1161-1820** £45.55 **S1161-1820-C (4)**	**S1161-1720** £34.82 **S1161-1720-C (10)**

NOTES: All tips shown actual size. n/a = not available.
Cat. Nos ending in -C are case sizes, the number in brackets = no. of packs per case.

Empty racks for use with the refills are available for FREE!
S0000-1002: Small racks for use with all refills 10 µl to 300 µl
S9999-1002: Large racks for use with 1000 µl & 1250 µl refills

RPT FILTER TIPS (STERILE)	Racked	Filter Refill
	10 x 96-Tip Sterile Racks	10 x 96-Tip Sterile Refills
10 µl RPT Graduated Filter Tip (Sterile) (Graduations: 2.5 µl, 10 µl)	**S1181-3810** £79.65 **S1181-3810-C (8)**	**S1181-3710** £71.69 **S1181-3710-C (8)**
10/20 µl RPT XL Graduated Filter Tip (Sterile) (Graduations: 1 µl, 5 µl, 10 µl, 20 µl)	**S1180-3810** £79.65 **S1180-3810-C (8)**	**S1180-3710** £71.69 **S1180-3710-C (8)**
20 µl RPT Bevelled Filter Tip (Sterile)	**S1180-1810** £75.83 **S1180-1810-C (8)**	**S1180-1710** £68.25 **S1180-1710-C (8)**
20 µl RPT UltraPoint Graduated Filter Tip (Sterile) (Graduation: 10 µl)	**S1183-1810** £75.83 **S1183-1810-C (8)**	**S1183-1710** £68.25 **S1183-1710-C (8)**
100 µl RPT Bevelled Filter Tip (Sterile)	**S1180-1840** £75.83 **S1180-1840-C (8)**	**S1180-1740** £68.25 **S1180-1740-C (8)**
100 µl RPT UltraPoint Graduated Filter Tip (Sterile) (Graduations: 10 µl, 50 µl, 100 µl)	**S1183-1840** £75.83 **S1183-1840-C (8)**	**S1183-1740** £68.25 **S1183-1740-C (8)**
200 µl RPT Graduated Filter Tip (Sterile) (Graduations: 50 µl, 100 µl, 200 µl)	**S1180-8810** £75.83 **S1180-8810-C (8)**	**S1180-8710** £68.25 **S1180-8710-C (8)**
300 µl RPT Graduated Filter Tip (Sterile) (Graduations: 100 µl, 200 µl, 300 µl)	**S1180-9810** £79.65 **S1180-9810-C (8)**	**S1180-9710** £71.69 **S1180-9710-C (8)**
1000 µl RPT XL Graduated Filter Tip (Sterile) (Graduations: 100 µl, 250 µl, 500 µl, 1000 µl)	**S1182-1830** £79.65 **S1182-1830-C (4)**	**S1182-1730** £71.69 **S1182-1730-C (4)**

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

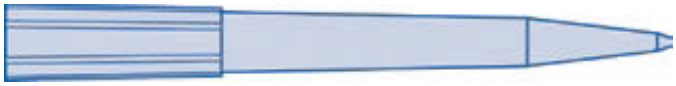
STARLAB Recycling Bag

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

05
PP

RECYCLING BAGS MUST CONTAIN STARLAB PP PRODUCTS ONLY PLEASE!

Extended Length Tips

Extended Length Tips					
All tips are certified and natural in colour and shown actual size.	**Pack Type**	**Sterile**	**Pack Size**	**Cat. No.**	**Price**
200 µl XL Tip For use with but not limited to: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®, Volac®	Bag	No	1000	I1011-0020	£29.75
	204-Tip Rack	No	8 x 204	I1011-0920	£106.89
	204-Tip Rack	Yes	8 x 204	E1011-0921	£120.81
200 µl XL Filter Tip For use with but not limited to: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®, Volac®	Ind. Wrap	Yes	100	I1011-0070	£18.00
	204-Tip Rack	Yes	8 x 204	I1011-0830	£192.19
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	£94.76
 **1000 µl** XL Bevelled Tip For use with but not limited to: ErgoOne®, Gilson®, Biohit ®(single-ch), Costar®, Eppendorf®, Finnpipette®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®, Volac®	Bag	No	1000	E1011-1002	£22.99
	100-Tip Rack	No	10 x 100	E1011-1430	£48.79
1000 µl XL Bevelled Filter Tip For use with but not limited to: ErgoOne®, Gilson®, Biohit® (single-ch), Costar®, Eppendorf®, Finnpipette®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®, Volac®	Bag	No	1000	E1011-1008	£73.17
	100-Tip Rack	Yes	10 x 100	I1026-7810	£113.66
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	£86.63

384-Format Tips

384-Format Tips					
All tips are certified and natural in colour and shown actual size.	**Pack Type**	**Sterile**	**Pack Size**	**Cat. No.**	**Price**
50 µl CAPP-Style 384-Format Tip, Low-Retention For use with but not limited to: CAPP® 16- 34- & 64-Channel	384-Tip Rack	Yes	10 x 384	E3840-5110	£532.81

www.starlab.click/**specialitytips**

Large Volume Tips

Large Volume Tips

All tips are certified and natural in colour (unless stated) and shown actual size.	Pack Type	Sterile	Pack Size	Cat. No.	Price
2500 µl Eppendorf-Style Tip For use with: Eppendorf®, Socorex®	Bag	No	500	I1008-9000	£47.15
5000 µl Biohit-Style Tip For use with: Biohit®, Eppendorf®, Genex®	Bag	No	250	E1009-7000	£25.49
5000 µl Biohit-Style XL Tip For use with: Biohit®, Eppendorf®, Genex®	Bag	No	250	E1009-7001	£26.94
5000 µl Eppendorf-Style Graduated Macro Tip For use with: Eppendorf®, Biohit®, Socorex®	Bag	No	250	I1053-0000	£15.88
	50-Tip Rack	No	10 x 50	I1053-0700	£62.65
	50-Tip Rack	Yes	10 x 50	I1053-0710	£70.01
5000 µl Eppendorf-Style Graduated Filter Macro Tip For use with: Eppendorf®, Biohit®	50-Tip Rack	Yes	2 x 50	I1053-0728	£68.75
5000 µl Finn-Style Tip For use with: ErgoOne® E, Finnpipette®, Brand®, SMI®, Socorex®	Bag	No	250	E1009-5000*	£24.33
	Racked	No	4 x 50	E1009-5700*	£106.50
5000 µl Finn-Style Filter Tip For use with: ErgoOne® E, Finnpipette®, Brand®, SMI®, Socorex®	Racked	Yes	1 x 50	E1009-5718	£44.78

*not certifed.

FREE SAMPLE TRY before you BUY available on request

Large Volume Tips

All tips are certified and natural in colour (unless stated) and shown actual size.

5000 µl Gilson-Style Graduated Macro Tip
For use with: ErgoOne®, Gilson®, Nichiryo®, StarPet, Volac®

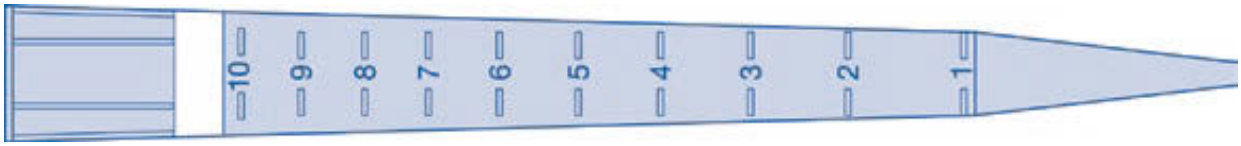
Pack Type	Sterile	Pack Size	Cat. No.	Price
Bag	No	250	I1050-0000	£15.27
50-Tip Rack	No	10 x 50	I1050-0700	£61.10
50-Tip Rack	Yes	10 x 50	I1050-0710	£66.35

5000 µl Gilson-Style Graduated Macro Filter Tip
For use with: ErgoOne®, Gilson®, Nichiryo®, StarPet, Volac®

Pack Type	Sterile	Pack Size	Cat. No.	Price
50-Tip Rack	Yes	2 x 50	I1050-0728	£59.09

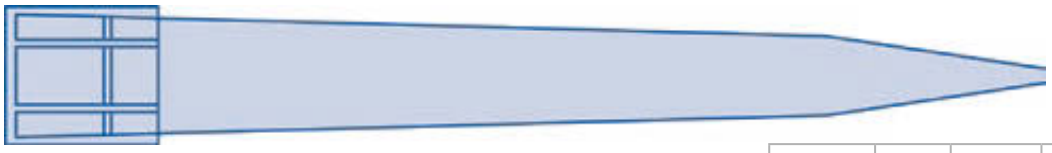
10 ml Gilson-Style Graduated Macro Tip
For use with: Gilson®, Eppendorf®, Rainin®, Socorex®, StarPet

Pack Type	Sterile	Pack Size	Cat. No.	Price
Bag	No	200	I1054-0000	£33.18
25-Tip Rack	No	10 x 25	I1054-0001	£79.63
25-Tip Rack	Yes	10 x 25	I1054-0011	£86.26



10 ml Gilson-Style Graduated Macro Filter Tip
For use with: Gilson®, Eppendorf®, Rainin®, Socorex®, StarPet

Pack Type	Sterile	Pack Size	Cat. No.	Price
25-Tip Rack	Yes	2 x 25	I1054-0028	£53.08



10 ml Finn/Socorex-Style Blue Tip
For use with: Finn®, Socorex®, Accumax®, Biohit®

Pack Type	Sterile	Pack Size	Cat. No.	Price
Bag	No	200	I1052-0000	£24.27
25-Tip Rack	No	10 x 25	I1052-0001	£60.62
25-Tip Rack	Yes	10 x 25	I1052-0010	£71.42

10 ml Finn/Socorex-Style Blue Filter Tip (Working Vol. 9.5ml)
For use with: Finn®, Socorex®, Accumax®, Biohit®

Pack Type	Sterile	Pack Size	Cat. No.	Price
25-Tip Rack	Yes	2 x 25	I1052-0028	£53.88

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Wide Orifice Tips

Wide Orifice Tips

All tips are certified and natural in colour (unless stated) and shown actual size.	Pack Type	Sterile	Pack Size	Cat. No.	Price
200 µl Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, MLA®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, StarPet E, Titertek®, Volac®	Bag	No	1000	I1011-8000	£21.71
200 µl Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Brand®, Capp®, Eppendorf®, Finnpipette®, Labnet®, Matrix®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, VWR®	Bag	No	1000	E1011-5000	£18.76
	96-Tip Rack	No	10 x 96	E1011-5100	£28.68
	96-Tip Rack	Yes	10 x 96	E1011-5110	£35.30
200 µl Graduated Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Fisherbrand®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, StarPet E, Titertek®, Volac®	Bag	No	1000	E1011-8000	£20.69
	96-Tip Rack	No	10 x 96	E1011-8400	£32.16
	96-Tip Rack	Yes	10 x 96	E1011-8410	£40.60
200 µl Filter Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Brand®, CAPP®, Eppendorf®, Finnpipette®	96-Tip Rack	Yes	10 x 96	E1011-8618	£97.30
1000 µl Graduated Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Costar®, Eppendorf®, Finnpipette®, Fisherbrand®, Nichiryo®, Oxford-Benchmate®, Rainin®, SMI®, Socorex®, StarPet, Titertek®, Volac®	Bag	No	1000	E1011-9000	£25.80
1000 µl Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Brand®, CAPP®, Eppendorf®, Finnpipette®	100-Tip Rack	No	10 x 100	E1011-9601	£55.95
	100-Tip Rack	Yes	10 x 100	E1011-9611	£64.45
1000 µl Filter Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Brand®, CAPP®, Eppendorf®, Finnpipette®	100-Tip Rack	Yes	10 x 100	E1011-9618	£97.30

Gel Extraction Tool

Gel Extraction Tool

Perform DNA sample extractions with great accuracy and precision in a rapid, four-step process. The disposable polyethylene tool cleanly cuts and picks up uniform slices of gel, eliminating possible cross-contamination from razor blades and other gel-cutting methods.

Description	Pack Size	Cat. No.	Price
X-Tracta™ Gel Extraction Tool	100	N2000-0100	£66.64

Gel-Loading Tips

Round Gel-Loading Tips

All tips are certified and natural in colour. Tips shown actual size.	Pack Type	Sterile	Pack Size	Cat. No.	Price
10 µl Round Gel-Loading Tip For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, StarPet	Length: Total 56.62 mm / Flexible: 25.30 mm. Orifice: OD. 0.58 mm / ID. 0.30 mm				
	Bag	No	1000	I1010-3000	£34.55
	204-Tip Rack	No	5 x 204	I1010-3600	£59.22
	204-Tip Rack	Yes	5 x 204	I1010-3610	£65.32
10 µl Round Gel-Loading Filter Tip For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, StarPet	Length: 56.62 mm /Flexible capillary length: 25.30 mm. Orifice: OD. 0.58 mm / ID. 0.30 mm				
	204-Tip Rack	Yes	5 x 204	I1010-3800	£113.10
10 µl Round Gel-Loading Tip For use with: ErgoOne®, Eppendorf®, Gilson®, Nichiryo®, Oxford-Benchmate®, Socorex®, StarPet	Length: Total 71.25 mm / Flexible capillary 25.3 mm. Orifice: OD. 0.58 mm / ID. 0.30 mm				
	204-Tip Rack	No	8 x 204	I1012-3600	£83.48
	204-Tip Rack	Yes	8 x 204	I1012-3610	£91.62
20 µl Round Gel-Loading Filter Tip For use with: ErgoOne®, Gilson®, Costar®, Eppendorf®, MLA®, Socorex®, Volac®	Total Length: 68 mm. Orifice: OD. 0.60 mm / ID. 0.30 mm				
	204-Tip Rack	Yes	5 x 204	E1021-0618	£114.49
100 µl Round Gel-Loading Filter Tip For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Nichiryo®, Oxford-Benchmate®, Socorex®, StarPet, Titertek®, Volac®	Total Length: 68 mm. Orifice: OD. 0.60 mm / ID. 0.30 mm				
	Bag	No	1000	E1022-0008	£72.82
	204-Tip Rack	Yes	5 x 204	I1022-0810	£114.49
200 µl Round Gel-Loading Tip For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Finnpipette®, MLA®, Nichiryo®, Oxford-Benchmate®, Rainin®, StarPet, Socorex®, Titertek®, Volac®	Total Length: 68 mm. Orifice: OD. 0.60 mm / ID. 0.30 mm				
	Bag	No	1000	I1022-0000	£37.18
	204-Tip Rack	No	5 x 204	I1022-0600	£59.20
	204-Tip Rack	Yes	5 x 204	I1022-0610	£65.95

Flat Gel-Loading Tips

All tips are certified and natural in colour. Tips shown actual size.	Pack Type	Sterile	Thickness	Pack Size	Cat. No.	Price
10 µl Flat Gel-Loading Tip For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, StarPet	200-Tip Rack	No	0.20 mm	1 x 200	I1012-2600	£68.34
	200-Tip Rack	No	0.40 mm	1 x 200	I1012-4600	£51.96
10 µl Flat Gel-Loading Tip For use with: ErgoOne®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, Socorex®, StarPet	200-Tip Rack	No	0.20 mm	1 x 200	I1011-2600	£77.12
	200-Tip Rack	No	0.40 mm	1 x 200	I1011-4600	£61.51
200 µl Flat Gel-Loading Tip For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Fisherbrand®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®	200-Tip Rack	No	0.20 mm	1 x 200	I1022-2600	£68.34
	200-Tip Rack	No	0.40 mm	1 x 200	I1022-4600	£68.34

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TipOne® Repeat Dispenser Tips

You want more freedom? No problem!

Our TipOne® Repeat Dispenser Tips are available in an extra volume of 0.1 ml! Additionally the TipOne® Repeat Dispenser Tips fit more dispenser models than before. This range is still made from the same high-quality materials, but with more features.

Features

- Up to 100 dispenser steps with Multipette® Plus
- Separate, colour-coded adapters for 25 ml & 50 ml tips
- Extended piston length of most tips minimises dead air volume, improves reagent delivery and provides easier access to narrow vessels
- Lower dispensing forces
- Available non-sterile bulk, or sterile individually wrapped
- High accuracy and precision
- ISO 8655 manufactured
- Polypropylene cylinder / Polyethylene piston

Dispenser Tips			
Description	**Pack Size**	**Cat. No.**	**Price**
Non-Sterile			
0.1 ml TipOne® Repeat Tips	100	S4751-0010	£71.79
0.5 ml TipOne® Repeat Tips	100	S4751-0050	£63.35
1.0 ml TipOne® Repeat Tips	100	S4751-0100	£63.35
2.5 ml TipOne® Repeat Tips	100	S4751-0250	£63.35
5.0 ml TipOne® Repeat Tips	100	S4751-0500	£63.35
10 ml TipOne® Repeat Tips	100	S4751-1000	£63.35
25 ml TipOne® Repeat Tips*	100	S4751-2500	£79.18
50 ml TipOne® Repeat Tips*	100	S4751-5000	£89.74
Adapter for 25 ml Dispenser Tips	1	S4756-2500	£5.63
Adapter for 50 ml Dispenser Tips	1	S4756-5000	£5.63
Sterile, Individually Wrapped			
0.1 ml TipOne® Repeat Tips (Sterile)	100	S4761-0010	£104.52
0.5 ml TipOne® Repeat Tips (Sterile)	100	S4761-0050	£96.07
1.0 ml TipOne® Repeat Tips (Sterile)	100	S4761-0100	£96.07
2.5 ml TipOne® Repeat Tips (Sterile)	100	S4761-0250	£96.07
5.0 ml TipOne® Repeat Tips (Sterile)	100	S4761-0500	£96.07
10 ml TipOne® Repeat Tips (Sterile)	100	S4761-1000	£96.07
25 ml TipOne® Repeat Tips (Sterile)*	100	S4761-2500	£116.13
50 ml TipOne® Repeat Tips (Sterile)*	100	S4761-5000	£123.52
Adapter for 25 ml Dispenser Tips (Sterile)	7	S4765-2500	£42.23
Adapter for 50 ml Dispenser Tips (Sterile)	7	S4765-5000	£42.23

* 25ml and 50ml tips are supplied with four adapters.
Note: TipOne® Repeat Dispenser Tips are not autoclavable.

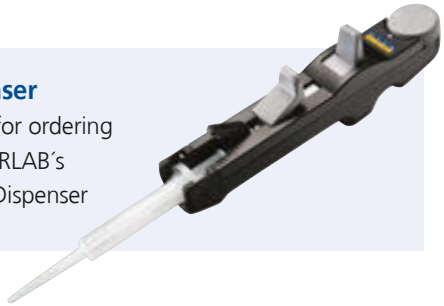
Compatibility	
STARLAB	RepeatOne®
Brand	Handystep® Manual. Handystep® S. HandyStep® Electronic
Denville	Fastsepper®
Eppendorf	Multipette® 4780. Multipette®Plus[1]. Multipette® stream / Xstream[2]
Gilson	Distriman®. Pipetman®. Repetman®
Labnet	Labpette®
Nichiryo / Oxford	Nichimate® Stepper
Rainin	AutoRep® 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

[1] Tip recognition works only with old sensor (prior to service).
[2] For use with models manufactured prior to Dec 2013 only.

TipOne Repeat

Repeat Dispenser

- See page 58 for ordering details of STARLAB´s RepeatOne® Dispenser



Application Guide					
Dispenser Tip Volume	**Dispenser Adjustment**				
	1	**2**	**3**	**4**	**5**
0.1 ml	2 µl	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	1.000 µl	1.500 µl	2.000 µl	2.500 µl
50 ml	1.000 µl	2.000 µl	3.000 µl	4.000 µl	5.000 µl
Steps*	**48**	**23**	**15**	**11**	**8**

*Number of steps may vary according to dispenser manufacturer.

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Robotic Tips

Perfect fit and precision!

STARLAB's robotic tips offer the same perfect fit and precision as the original manufacturer's tips.

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TIPS FOR PERKIN ELMER®
Janus® 41
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TIPS FOR QIAGEN®
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TIPS FOR TECAN®
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Robotic Tips Overview

STARLAB robotic tips are engineered to the same specifications as the original, equipment manufacture's tips to ensure compatibility and a consistent fit. Do not 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.

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.

Case sizes available at discount!

Cat. Nos ending in **-C** are case sizes, the number in brackets beside the case price in the ordering information tables is the number of packs per case.

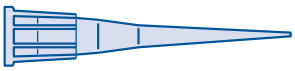
Recycle your Robotic Tip Racks

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

See page 26 for more information on the different recycling options available.

Tips for Beckman Coulter®

Biomek® 1000 • Biomek® 2000

	Rack Style/ Head	Non-Sterile	Sterile
		10 x 96-Tip Racks*	10 x 96-Tip Racks*
 **20 µl** Tip	Grey SBS Rack P20, MP20, P200, MP200	**I 1060-2400** £38.82 **I1060-2400-C** (5)	**I 1060-2410** £42.86 **I1060-2410-C** (5)
50 µl Tip	Orange SBS Rack P20, MP20, P200, MP200	**n/a**	**I 1060-5410** £54.25 **I1060-5410-C** (5)
250 µl Tip	Black SBS Rack P200, MP200	**I 1062-0400** £38.82 **I1062-0400-C** (5)	**I 1062-0410** £41.60 **I1062-0410-C** (5)
1000 µl Tip	Black Non-SBS Rack P1000	10 x 72-Tip Racks **E1075-3700** £83.07 **E1075-3700-C** (5)	10 x 72-Tip Racks **E1075-3710** £87.12 **E1075-3710-C** (5)

*Unless stated otherwise.

NOTES: All tips shown actual size.
n/a = not available.

Case sizes available at discount!

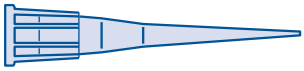
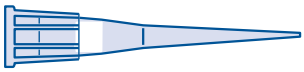
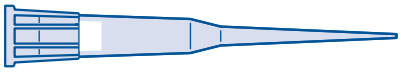
Cat. Nos ending in **-C** are case sizes, the number in brackets beside the case price in the ordering information tables is the number of packs per case.

Tips for Beckman Coulter®

Biomek® FX • Biomek® NX • Biomek® 3000 • Multimek®

No programming or software changes required!

- Engineered to the same specifications as the original manufacturer's tip to ensure compatibility and a consistent fit
- You can recycle the empty racks with your other plastic recycling (see page 26)
- Certified RNase, DNase, DNA and PCR Inhibitor free

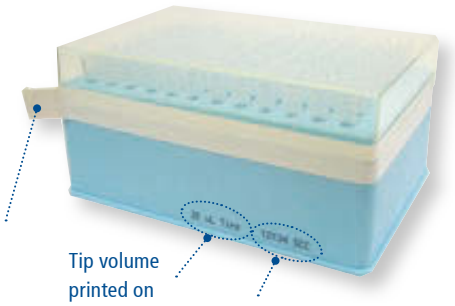
	Rack Style / Head	Non-Sterile	Sterile
		10 x 96-Tip Racks	10 x 96-Tip Racks
 **20 µl** Tip	Pale Blue SBS Rack AP96, SPAN-8, MP20	**E1076-4400** £44.88 **E1076-4400-C** (5)	**E1076-4410** £48.31 **E1076-4410-C** (5)
 **20 µl** Filter Tip	Pale Blue SBS Rack AP96, SPAN-8, MP20	**n/a**	**E1076-4418** £109.89 **E1076-4418-C** (5)
50 µl Tip	Orange SBS Rack AP96, SPAN-8, MP20, MP200	**E1076-2400** £58.30 **E1076-2400-C** (5)	**E1076-2410** £61.58 **E1076-2410-C** (5)
50 µl Filter Tip	Orange SBS Rack AP96, SPAN-8, MP20, MP200	**n/a**	**E1076-2418** £109.89 **E1076-2418-C** (5)
250 µl Tip	Green SBS Rack AP96, SPAN-8, MP200	**E1076-0400** £44.88 **E1076-0400-C** (5)	**E1076-0410** £48.31 **E1076-0410-C** (5)
 **175 µl** Filter Tip	Green SBS Rack AP96, SPAN-8, MP200	**n/a**	**E1076-0418** £123.29 **E1076-0418-C** (5)

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

AP96 & SPAN-8 compatible

No special set-up required!

Engineered to the exact specifications as original manufacturer's tip



New, easy-release tape opening on sterile product

Tip volume printed on every rack

Lot No. printed on every rack

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Economical, eco-friendly and space saving refill system!

- Refillable racks and space-saving refill stacks
- Refills take up **40% less space!**
- Quick and easy racking with easy-locate tabs on each refill
- 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 26)
- Certified RNase, DNase, DNA and PCR Inhibitor free

Refills take up approx. **40%** less space!

Engineered to the exact specifications as original manufacturer's tips

System is colour-coded same as 'normal' racks

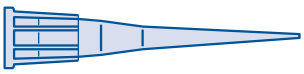
No special set-up needed!

Tip volume and Lot No. printed on every refill

AP96 & SPAN-8 compatible

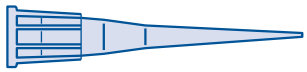
Refillable racks

Get yourself started by first buying the refillable racks.

Refillable Racks	Rack Style / Head	Non-Sterile	Sterile
		10 x 96-Tip Refillable Racks	10 x 96-Tip Refillable Racks
 **20 µl** Tip	Pale Blue Refillable Rack AP96, SPAN-8	**E1076-4800** £37.55 **E1076-4800-C** (5)	**n/a**
250 µl Tip	Green Refillable Rack AP96, SPAN-8	**E1076-0800** £37.55 **E1076-0800-C** (5)	**E1076-0810** £42.86 **E1076-0810-C** (5)

Refills

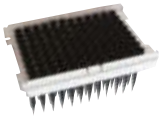
Once you have used the tips from the refillable racks above, refill the racks to save both money and plastic waste!

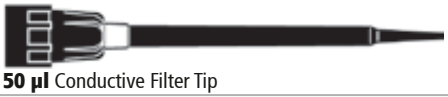
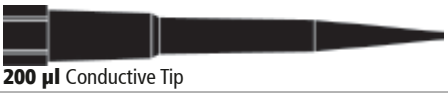
Refills	Rack Style / Head	Non-Sterile	Sterile
		10 x 96-Tip Refills	10 x 96-Tip Refills
 **20 µl** Tip	Pale Blue Refill AP96, SPAN-8	**E1076-4700** £34.90 **E1076-4700-C** (5)	**n/a**
250 µl Tip	Green Refill AP96, SPAN-8	**E1076-0700** £34.90 **E1076-0700-C** (5)	**E1076-0710** £38.95 **E1076-0710-C** (5)

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

Tips for Packard®

MultiProbe® II • MultiProbe® IIHT/EX



	Rack Style / Head	Non-Sterile	Sterile
		24 x 96-Tip Racks	24 x 96-Tip Racks
10 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-3700** £402.11	**R1081-3700** £435.61
10 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-3810** £436.29	**R1028-3810** £457.12
50 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-5700** £402.11	**R1081-5700** £428.92
50 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-5810** £415.51	**R1028-5810** £450.41
200 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-0700** £148.47	**R1081-0700** £165.14
200 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-0810** £161.85	**R1028-0810** £168.88
1000 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-2700** £154.81	**R1081-2700** £160.84
1000 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-2810** £187.65	**R1028-2810** £203.71
10 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-3709** £390.62	**R1081-3709** £428.92
10 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-3819** £415.51	**R1028-3819** £442.32
50 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-5709** £402.11	**R1081-5709** £422.21
 **50 µl** Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-5819** £403.64	**R1028-5819** £442.32
 **200 µl** Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-0709** £140.73	**R1081-0709** £154.81
200 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-0819** £180.95	**R1028-0819** £197.01
1000 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-2709** £161.85	**R1081-2709** £161.85
1000 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-2819** £211.11	**R1028-2819** £227.97

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® • Evolution® P³ • MiniTrak™ • PlateTrak™

	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** £53.61 **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)

	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** £154.15 **E1172-1418-C** (5)
200 µl Conductive Filter Tip	Clear Hanging Rack Single-Channel Pipette	**n/a**	**E1173-2418** £150.10 **E1173-2418-C** (5)

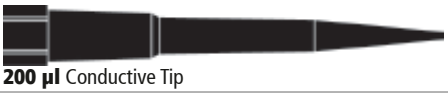
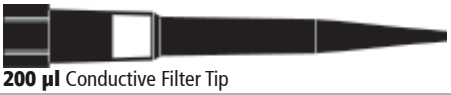
Also compatible with Tecan® robotic systems: Freedom EVO® Genesis® series and MiniPrep®

Case sizes available at discount!

Cat. Nos ending in **-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 Tecan® (with LiHa)

Freedom EVO® • Genesis • MiniPrep

	Rack Style / Head	Non-Sterile	Sterile
Tips for research purposes only		24 x 96-Tip Racks	24 x 96-Tip Racks
10 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-3700** £402.11	**R1081-3700** £435.61
10 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-3810** £436.29	**R1028-3810** £457.12
50 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-5700** £402.11	**R1081-5700** £428.92
50 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-5810** £415.51	**R1028-5810** £450.41
200 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-0700** £148.47	**R1081-0700** £165.14
200 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-0810** £161.85	**R1028-0810** £168.88
1000 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-2700** £154.81	**R1081-2700** £160.84
1000 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-2810** £187.65	**R1028-2810** £203.71
10 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-3709** £390.62	**R1081-3709** £428.92
10 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-3819** £415.51	**R1028-3819** £442.32
50 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-5709** £402.11	**R1081-5709** £422.21
50 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-5819** £403.64	**R1028-5819** £442.32
 **200 µl** Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-0709** £140.73	**R1081-0709** £154.81
 **200 µl** Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-0819** £180.95	**R1028-0819** £197.01
1000 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-2709** £161.85	**R1081-2709** £161.85
1000 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-2819** £211.11	**R1028-2819** £227.97

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.

Tip–Robot Compatibility

	GO TO: Page 37	Page 38	Page 39	Page 40	Page 41	Page 42
Aurora Biomed® Versa™: 8-Channel				✓		✓
Beckman® Biomek® 1000/2000: P20, MP20, P200, MP200, P1000	✓					
Beckman® Biomek® 3000: 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® I: 4 Head Probe	✓					
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!

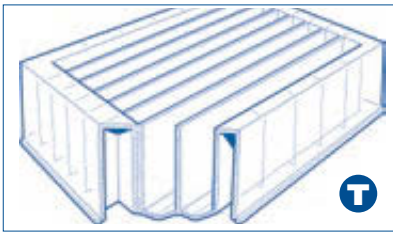
Cat. Nos ending in **-C** are case sizes, the number in brackets beside the case price in the ordering information tables is the number of packs per case.

Robotic Reservoirs

High quality for high throughput!

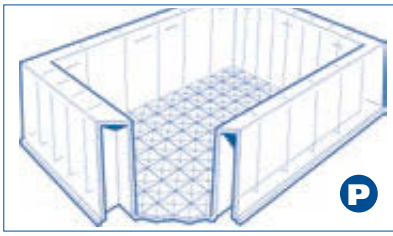
STARLAB reservoirs conform to the standard SBS footprint for compatibility with most robotic systems. They have virtually no dead volume and are available in two heights and two well styles. The sturdy polypropylene construction ensures rigidity during automation and excellent chemical resistance.

All robotic reservoirs are certified RNase, DNase and Pyrogen free



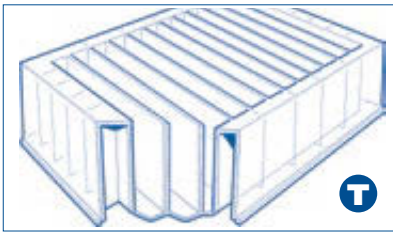
Multi-Well 8-Channel High Profile

80 ml Reservoir, Multi-Well with 8 x 10 ml Troughs
E2999-8008
£195.75 / Pack 25



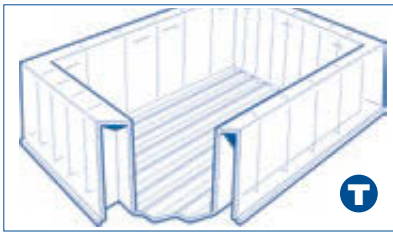
Single-Well 96 Pyramid Bottoms High Profile

240 ml Reservoir, Single-Well with 96 pyramid wells
E2999-2496
£195.75 / Pack 25



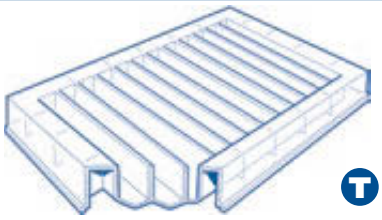
Multi-Well 12-Channel High Profile

84 ml Reservoir, Multi-Well with 12 x 7.0 ml Troughs
E2999-8412
£195.75 / Pack 25



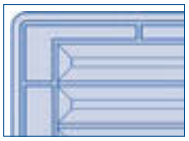
Single-Well 8-Trough Bottoms High Profile

290 ml Reservoir, Single-Well with 8 troughs
E2999-2908
£195.75 / Pack 25



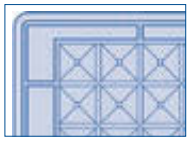
Multi-Well 12-Channel Low Profile

21 ml Reservoir, Multi-Well with 12 x 1.75 ml Troughs
E2999-2112
£195.75 / Pack 25



TROUGH

Troughs extend the length/ width of reservoir, ideal for 8/12 channel applications



PYRAMID

Pyramid-shaped collection pools to help minimise dead volume

Keep your samples chilled with our StarChill SBS rack for automated systems.

See page 151.

www.starlab.click/**roboticreservoirs**

Pipettes

Ergonomic!

Our award-winning pipettes combine user-friendly features with ergonomic benefits for precise performance, every day.

MANUAL PIPETTES
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ErgoOne® Single-Channel Pipettes 50
ErgoOne® Multi-Channel Pipettes 51

ELECTRONIC PIPETTES
ErgoOne® E Electronic Pipettes 52–53

PIPETTE CONTROLLERS
ErgoOne® FAST (Electronic) 54–55
StarPet Filler (Manual) 55

PIPETTE STANDS 56

SEROLOGICAL PIPETTES
Polystyrene Pipettes 57

REPEAT DISPENSER
RepeatOne® Dispenser 58

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.

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® pipette tips for the perfect pipetting partnership.

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

ErgoOne® Features

- Minimal operating forces
- Lightweight ergonomic design
- Universal tip fit
- Colour coded
- Volume lock
- Fully autoclavable
- UV-resistant
- Low maintenance
- Made in Germany
- 3-year warranty

www.starlab.click/**manualpipettes**

Colour coding

Volume lock
Prevents drift during use

Ergonomically designed
Finger rest ensures comfort and ease during use.

Smooth action tip ejector

Contoured chemically-resistant PP handle

Lightweight

Volume display
Positioned so it is visible during pipetting

4-digit volume display for greater accuracy

Fully autoclavable
Can also be UV sterilised

Three-year warranty

Easily removable tip ejector for fast cleaning

CE*

Universal tip fit!

Reduced diameter tip ejector
For easy access into small tubes

Integral, rust-free tip ejector

ErgoOne®

*The ErgoOne® 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.

ErgoOne® Single-Channels

ErgoOne® Single-Channel Pipettes								
Volume Range (Colour Coding)	Increments	Volume µl	Systematic Error (Inaccuracy) ±%		Random Error (Imprecision) ±%		Cat. No.	Price Each
			8655-2	ErgoOne®	8655-2	ErgoOne®		
Single-Channel								
0.1 –2.5 µl (Red)	0.002 µl	0.1	125	24	75	12	**S7100-0125**	£212.00
		0.25	50	12	30	6.0		
		1.25	10	2.5	6.0	1.5		
		2.5	5.0	1.4	3.0	0.7		
0.5 –10 µl (Red)	0.01 µl	1.0	12	2.5	8.0	1.8	**S7100-0510**	£212.00
		5	2.4	1.5	1.6	0.8		
		10	1.2	1.0	0.8	0.4		
2 –20 µl (Red)	0.02 µl	2	10	5.0	5.0	1.5	**S7100-0221** (micro cone)	£212.00
		10	2.0	1.2	1.0	0.6		
		20	1.0	1.0	0.5	0.3		
2 –20 µl (Yellow)	0.02 µl	2	10	5.0	5.0	1.5	**S7100-0220** (standard cone)	£212.00
		10	2.0	1.2	1.0	0.6		
		20	1.0	1.0	0.5	0.3		
10 –100 µl (Yellow)	0.1 µl	10	8.0	3.0	3.0	1.0	**S7100-1100**	£197.00
		50	1.6	1.0	0.6	0.3		
		100	0.8	0.8	0.3	0.2		
20 –200 µl (Yellow)	0.2 µl	20	8.0	2.5	3.0	0.7	**S7100-2200**	£197.00
		100	1.6	1.0	0.6	0.3		
		200	0.8	0.6	0.3	0.2		
100 –1000 µl (Blue)	1 µl	100	8.0	3.0	3.0	0.6	**S7110-1000**	£197.00
		500	1.6	1.0	0.6	0.2		
		1000	0.8	0.6	0.3	0.2		
500 –5000 µl (Violet)	5 µl	500	8.0	2.4	3.0	0.6	**S7150-5000**	£216.00
		2500	1.6	1.2	0.6	0.25		
		5000	0.8	0.6	0.3	0.15		

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

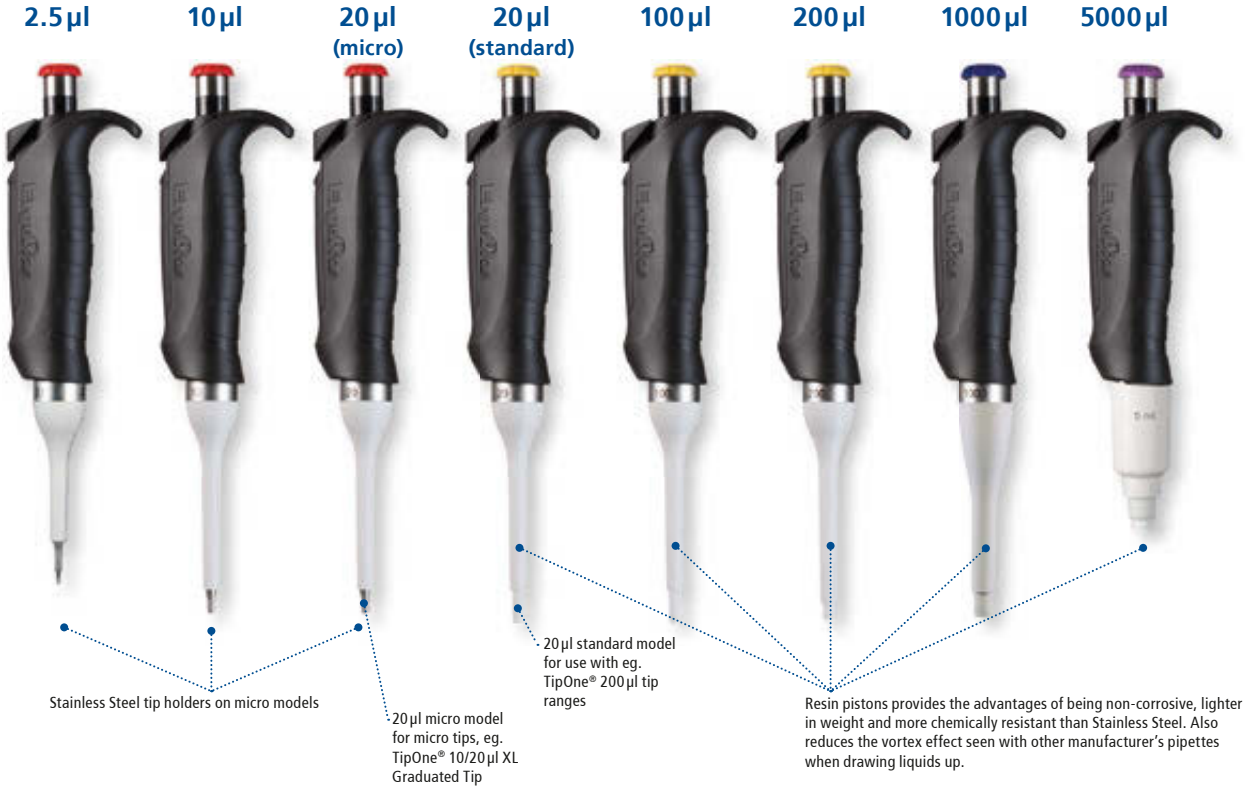
Need your new pipette supplied with a UKAS Calibration Certificate? See opposite for details.

ErgoOne® Features

- Minimal operating forces
- Lightweight ergonomic design
- Universal tip fit
- Colour coded
- Volume lock
- Fully autoclavable
- UV-resistant
- Low maintenance
- Made in Germany
- 3-year warranty

DEMO MODELS TRY before you BUY available on request

ErgoOne®



ErgoOne® Multi-Channels

ErgoOne® Multi-Channel Pipettes								
Volume Range (Colour Coding)	Increments	Volume µl	Systematic Error (Inaccuracy) ±%		Random Error (Imprecision) ±%		Cat. No.	Price Each
			8655-2	ErgoOne	8655-2	ErgoOne		
8-Channel Pipettes								
0.5 –10 µl (Red)	0.01 µl	1.0	24	8.0	16	5.0	**S7108-0510**	£555.00
		5.0	4.8	4.0	3.2	2.0		
		10	2.4	2.0	1.6	1.0		
10 –100 µl (Yellow)	0.1 µl	10	16	3.0	6.0	2.0	**S7108-1100**	£555.00
		50	3.2	1.0	1.2	0.8		
		100	1.6	0.8	0.6	0.3		
30 –300 µl (Green)	0.2 µl	30	26.7	3.0	10	1.0	**S7108-3300**	£555.00
		150	5.3	1.0	2.0	0.5		
		300	2.7	0.6	1.0	0.3		
12-Channel Pipettes								
0.5 –10 µl (Red)	0.01 µl	1.0	24	8.0	16	5.0	**S7112-0510**	£656.00
		5.0	4.8	4.0	3.2	2.0		
		10	2.4	2.0	1.6	1.0		
10 –100 µl (Yellow)	0.1 µl	10	16	3.0	6.0	2.0	**S7112-1100**	£656.00
		50	3.2	1.0	1.2	0.8		
		100	1.6	0.8	0.6	0.3		
30 –300 µl (Green)	0.2 µl	30	26.7	3.0	10	1.0	**S7112-3300**	£656.00
		150	5.3	1.0	2.0	0.5		
		300	2.7	0.6	1.0	0.3		

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

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

DEMO MODELS TRY before you BUY available on request

Pipette Stands for ErgoOne® Pipettes are on page 56

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	£32.00
3.10 As Found UKAS Calibration on Purchased 8-Channel	C8234-1001	£60.00
3.10 As Found UKAS Calibration on Purchased 12-Channel	C8334-1001	£70.00

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.

UKAS CALIBRATION

4296

For more details on our UKAS accredited calibration laboratory (4296), see pages 68–69

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

Features

- Reliable
- Lightweight, ergonomic design
- Adjustable finger rest for individual comfort
- Universal tip fit
- Significantly reduced tip loading and ejection forces
- Easy to use, intuitive menu structure
- Five operating modes (Pipetting, Reverse Pipetting, Mixing, Multi Dispense, Electrophoresis)
- Autoclavable pipette shaft
- Long lasting battery (~4000 pipetting cycles with one battery charge)
- Battery refresh function extends service life and optimises battery performance
- Can be charged during use
- 12-month warranty

CE*

Ergonomic, easy to reach pipetting button

Colour-coded ejector button
provides significantly reduced ejection forces

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

Comfortable, ergonomic hand grip

Autoclavable pipette shaft

Significantly reduced tip loading forces

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.

ErgoOne® E Electronic Pipettes

Volume Range	Increments	Systematic Error (Inaccuracy) ±%	Random Error (Imprecision) ±%	Cat. No.	Price Each
Single-Channel Pipettes					
0.5–10 µl (red)	0.01 µl	5.0/1.5/1.0	2.0/0.8/0.4	G9001-0010	£421.79
2.0–20 µl (red)	0.02 µl	5.0/1.5/1.0	2.5/0.8/0.4	G9001-0020	£421.79
10–200 µl (yellow)	0.2 µl	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 µl	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 µl	8.0/2.0/1.2	4.0 to 0.8	G9012-0010	£811.13
1.0–20 µl (red)	0.02 µl	8.0/2.0/1.0	3.0 to 0.5	G9012-0020	£811.13
5.0–100 µl (yellow)	0.1 µl	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

New Volume Range!

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.

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 µl to 1000 µl)	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

*Spare Parts are not shown. Please refer to the User Manual.

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 'Battery 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

P7166-6306

Efficient pipetting

During development of STARLAB's 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 the 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 for long, fatigue-free pipetting.

FAST stands for
Flexible, **A**ccurate & Precise, **S**afe, **T**ransfer

Features

- Intuitive, pressure-responsive speed control
- Provides fast pipetting with no dripping of liquids for maximum precision
- Low operating forces
- Lightweight and ergonomically designed for fatigue-free pipetting
- Long battery life from easy to replace battery
- Constant performance, that does not decline along with battery charge
- Can be recharged during use
- Easy, traffic light system battery charge indicator
- Use with all glass/plastic serological pipettes (1.0 –100 ml)
- Autoclavable aspiration cone, pipette adapter, filter and seal
- Supplied with a wall mount and replacement membrane filters
- 2-year warranty

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

Pressure-responsive speed controls
The aspirating and dispensing speeds are easily regulated by pressure-sensitive 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 a traffic light system for easy, visual identification.
Green: Fully charged
Yellow: Half charged
Red: Almost empty
Plus, the ErgoOne® FAST can be recharged during use anyway!

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

ErgoOne FAST

ErgoOne® FAST Pipette Controller			
Description	**Pack Size**	**Cat. No.**	**Price**
ErgoOne® FAST Pipette Controller*	1	S7166-0010	£285.00
Accessories			
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

*ErgoOne® FAST is supplied with a battery, a power supply, 0.2 µl filter, 0.45 µl filter and a wall mount.

P7166-6306
Benchtop Support

STARLAB's Serological Pipettes are on page 57

www.starlab.click/**pipettecontroller**

StarPet Filler (Manual)

DEMO MODELS TRY before you BUY available on request

StarPet Filler

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. Autoclavable and replaceable silicone pipette holder

Starpet Filler			
Description	**Pack Size**	**Cat. No.**	**Price**
StarPet Filler	1	E4866-2000	£34.17
Replacement Silicone Pipette Holder	1	E4266-0040	£29.07

Pipette Stands

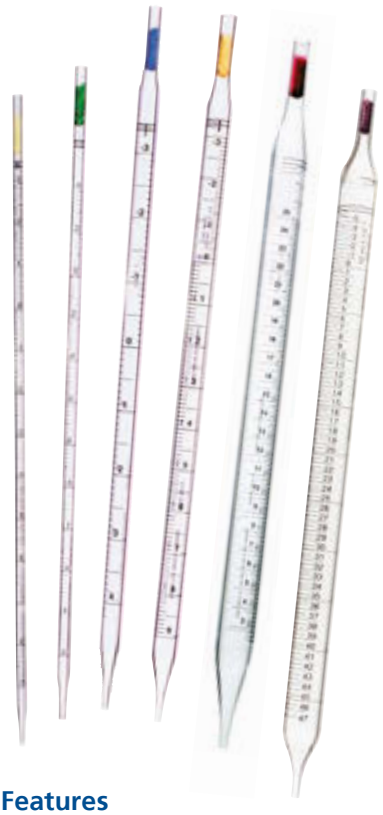
Pipette Stands

	Description	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	S7200-0000	£98.53 each
	ErgoOne® Self-Adhesive Shelf Holder for 1 pipette (UV Resistant) *For use with:* ErgoOne® single or multi-channel pipettes	E3099-0001	£5.72 each
	Universal Carousel Stand for up to 6 pipettes (UV Resistant) *For use with:* Eppendorf®, Gilson®, Rainin®, StarPet single-channel pipettes	G8965-8000	£98.00 each
	ErgoOne® E Individual Stand for single-channel pipettes *For use with:* ErgoOne® E single-channel pipettes	For 10µl to 1000µl pipettes G9999-1002 For 5000µl pipettes G9999-1003	£44.13 each
	ErgoOne® E Charging Stand - for up to 3 pipettes *For use with:* ErgoOne® E single-channel pipettes	G9999-1001	£208.49 each

	Description	Cat. No.	Price
	Coming soon! **ErgoOne® Wall Mount** *For use with:* ErgoOne® single or multi-channel pipettes	S7200-0001	To be confirmed
	ErgoOne® Bench Support for 1 pipette *For use with:* ErgoOne® single-channel pipettes	E3099-0002	£10.50 Pack of 5
	Universal Acrylic Pipette Stand for up to 5 pipettes (UV Resistant) *For use with:* ErgoOne®, Biohit®, Finn®, Eppendorf®, Gilson®, Rainin® single or multi-channel pipettes	E3099-0000	£49.75 each
	ErgoOne® E Individual Stand for multi-channels pipettes *For use with:* All volumes of ErgoOne® E multi-channel pipettes	G9999-1004	£28.68 each
	ErgoOne® FAST Bench Support for 1 pipette *For use with:* ErgoOne® FAST pipette controller	P7166-6306	£13.50 each

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

Polystyrene Pipettes



Clearly a quality pipette!

Perfect for use with all popular pipette controllers, including STARLAB's own on pages 54–55, these serological pipettes are made from crystal polystyrene with a seamless construction to eliminate hangup and provide more accuracy. Available non-sterile in economical bulk bags (ideal for western blotting) or sterile and individually-wrapped. All pipettes feature colour-coded plug filters that conform to the international standard.

Serological Pipettes

Description	Pack Size	Cat. No.	Price
Individually-Wrapped, Sterile			
1.0 ml Serological Pipette, Yellow Filter,(Sterile), Ind. Wrapped	500	E4860-0111	£74.45
2.0 ml Serological Pipette, Green Filter (Sterile), Ind. Wrapped	500	E4860-0211	£78.54
5.0 ml Serological Pipette, Blue Filter (Sterile), Ind. Wrapped	250	E4860-0511	£65.00
10 ml Serological Pipette, Orange Filter (Sterile), Ind. Wrapped	200	E4860-1011	£56.82
25 ml Serological Pipette, Red Filter (Sterile), Ind. Wrapped	100	E4860-2511	£78.54
50 ml Serological Pipette, Violet Filter (Sterile), Ind. Wrapped	200	E4860-5012-C	£265.36
Bulk, Non-Sterile			
1.0 ml Serological Pipette, Yellow Filter, Bulk	8 x 250	E4860-0100	£184.14
2.0 ml Serological Pipette, Green Filter, Bulk	4 x 250	E4860-0200	£101.52
5.0 ml Serological Pipette, Blue Filter, Bulk	2 x 200	E4860-0500	£73.04
10 ml Serological Pipette, Orange Filter, Bulk	2 x 125	E4860-1000	£50.06
25 ml Serological Pipette, Red Filter, Bulk	2 x 50	E4860-2500	£54.14

Features

- Accuracy >98 %
- Colour-coded plugs for ease of selection
- Crisp, black, raised permanent graduations
- One-piece, seamless construction
- Ascending and descending graduations on pipettes 5 ml and over
- ISO 9001:2008 manufactured
- Certified RNase, DNase non-cytoxic, non-haemolytic and pyrogen free

Specifications

Pipette Volume	Plug Colour	Increments	Extra Graduations	Total Volume
1.0 ml	Yellow	0.01 ml	0.3 ml	1.3 ml
2.0 ml	Green	0.02 ml	0.4 ml	2.4 ml
5.0 ml	Blue	0.1 ml	3.0 ml	8.0 ml
10 ml	Orange	0.1 ml	3.0 ml	13.0 ml
25 ml	Red	0.2 ml	2.6 ml	27.6 ml
50 ml	Violet	0.5 ml	10.0 ml	60.0 ml

Colour-coded packaging

- Closable, stackable, and space-saving
- Colour-coded
- Clearly visible bar codes
- Individually-wrapped sero's supplied in fibre-free paper/plastic peel back packs, showing the Lot. No on every wrap

2.0 ml Aspiration Pipette

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

Description	Pack Size	Cat. No.	Price
2.0 ml Aspiration Pipette (Sterile), Ind. Wrapped	500	E4860-1211	£66.28

RepeatOne® Dispenser

Rapid dispensing!

RepeatOne® is a hand-held device for repetitive and rapid dispensing of volumes 2.0 µl to 5.0 ml.

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

Compatibility

RepeatOne® can be used with the following dispenser tips:

- STARLAB TipOne® Repeat Dispenser Tips, see page 32
- Brand®
- Gilson®
- HTL®
- Ritter®

Test conditions in accordance with EN ISO 8655	
Liquid	Water bi-distilled, degassed
Test Temperature	20–25 °C, ±0.5 °C constant (Data for TipOne® Repeat 0.5 ml, 1.25 ml and 2.5 ml are determined with attached 200 µl pipette tip)
Operating Temperature	+4 °C to +40 °C
Measurement	Performed with original TipOne® Repeat dispenser tips in accordance with EN ISO 8655

TipOne® Repeat Tips

See page 32 for ordering details of STARLAB's TipOne® Repeat Dispenser Tips.

DEMO MODELS TRY before you BUY available on request

RepeatOne®

RepeatOne® Dispenser			
Description	**Pack Size**	**Cat. No.**	**Price**
RepeatOne® Dispenser	1	S4026-1500	£225.00
25 ml Adapter	1	S4756-2500	£5.63
50 ml Adapter	1	S4756-5000	£5.63
25 ml Adapter (Sterile)	7	S4765-2500	£42.23
50 ml Adapter (Sterile)	7	S4765-5000	£42.23

Note: RepeatOne® Dispenser is not autoclavable.

Technical Data									
TipOne® Repeat Size	**Dispensing Volume**			**Systematic Error [±%]**			**Random Error [±%]**		
	Min.		**Max.**	**Min.**		**Max.**	**Min.**		**Max.**
0.1 ml	2.0 µl	6.0 µl	10 µl	1.6	1.6	1.6	5.0	3.8	2.50
0.5 ml	10 µl	30 µl	50 µl	1.0	1.0	1.0	1.5	1.2	0.80
1.0 ml	20 µl	60 µl	100 µl	0.9	0.9	0.9	0.9	0.8	0.60
2.5 ml	50 µl	150 µl	250 µl	0.8	0.8	0.8	0.8	0.7	0.50
5.0 ml	100 µl	300 µl	500 µl	0.6	0.6	0.6	0.6	0.5	0.30
10 ml	200 µl	600 µl	1000 µl	0.5	0.5	0.5	0.6	0.5	0.30
25 ml	500 µl	1500 µl	2500 µl	0.4	0.4	0.4	0.6	0.4	0.25
50 ml	1000 µl	3000 µl	5000 µl	0.3	0.3	0.3	0.5	0.4	0.25

RepeatOne® allows the selection of five separate volumes from each **TipOne® Repeat** Dispenser Tip. Up to 48 pipettings of the same sample can be made without refilling which considerably reduces both time and expense.

Application Guide for TipOne® Repeat Tips					
Tip Volume	**Dispenser Adjustment**				
	1	**2**	**3**	**4**	**5**
0.1 ml	2.0 µl	4.0 µl	6.0 µl	8.0 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
Steps*	**48**	**23**	**15**	**11**	**8**

*Number of steps may vary for other manufacturer's dispensers.

www.starlab.click/**repeatdispenser**

Pipette Servicing

Total Liquid Handling!

The 360° approach – pipettes, tips, servicing and calibration.

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PIPETTE SPARES
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BALANCE CALIBRATION.....73

TRACEABLE STOPWATCHES, TIMERS AND TEMPERATURE DEVICES..... 74

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, and will ensure the accuracy of your pipette to the last drop.

Our state of the art calibration laboratory is UKAS accredited. As a UKAS accredited laboratory (4296), you can be sure that all STARLAB staff are competent and fully-trained, that our instruments are calibrated and properly maintained, and our work 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. The same balances and weights are used for both UKAS and non-UKAS calibrations.

Pipettes requiring servicing can either be mailed-in to our laboratory or we can come to you and service at your premises.

Mail-in servicing

- Convenient service, as and when you need it
- Quick turnaround
- Free return postage via courier

On-site servicing

- Low minimum of pipettes, or day rate available (contact us to discuss your requirements)
- Minimises pipette 'down time' for end-users
- Convenient when the whole lab needs their pipettes servicing
- Each on-site service is tailored to suit individual requirements
- Provision of daily, weekly or end of clinic reports (depending on the length of the clinic) listing all the pipettes serviced by serial number, the service level carried out, and any parts fitted
- Pre- and post-clinic consultations to ensure everything runs smoothly

Service and calibration levels

See pages 66–69 for details of our servicing levels. Should one of these options not suit your requirements, contact us for a customised servicing quote.

Custom servicing

We can service pipettes to your exact requirements. You choose the specifications, 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.

Customer services

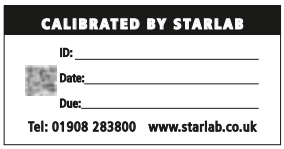
STARLAB prides itself on being an innovative, customer-focused company and this is reflected by the service we offer, as standard:

- Replacement parts and servicing is guaranteed for 6 months
- 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

www.starlab.click/**pipetteservicing**

CaliStar calibration software

STARLAB's own calibration software CaliStar, 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. The barcode is scanned which 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 has also enhanced the information we can give to our customers. Not only does the software track the service status of each 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
- the service level carried out
- the calibration results

Pipette service history: CaliStar allows us to 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.

Asset management lists: We can provide a list of pipettes belonging to a lab, group or an institution for your asset management purposes.

PDF eCertificates: CaliStar also generates electronic signatures for certificates to enable the whole process to be fully paperless. Calibration certificates for clinics are supplied in PDF format either on a USB memory stick or via cloud transfer.

(Additional certificates can be printed at a small cost if required.) PDF certificates allows you to save the files onto your computer for safe keeping. Paper certificates are provided for low quantities of mailed-in pipettes.

Instant UKAS certificates: Electronic signatures are also used on UKAS certificates. This means you get your certificates on a USB memory stick at the end of the clinic and there is no delay waiting for manual signatures.

Bespoke invoicing: CaliStar is fully integrated with our back-office system so we can generate invoices to your bespoke requirements.

Better than RFID: CaliStar has an advantage over pipettes with built-in RFID (Radio Frequency ID). With RFID, it is only those pipettes that can be tracked and their history stored for asset management purposes. CaliStar gives any pipette, however old, the benefit of these features.

Service Report - Example

Item	Sold-to-party	Material	HL Itm	Order Quantity	PO Details	PO Number	Receiving point	Amount	WorkOrder Number	Company Name	Department	Manufacturer	Model	Part Description	Status	Test Plan	Comment
1				1	Q65821L	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	2 Star 3 Reading	
2				1	R67682L	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	2 Star 3 Reading	
3				1	U55779L	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	2 Star 3 Reading	
4				1	W53538A	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	UKAS 10 Reading	
5				1	T55489C	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	UKAS 10 Reading	
6				1	N14977C	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	UKAS 10 Reading	
7				1	Q53407L	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	2 Star 3 Reading	
8				1	DH1	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Returned	2 Star 3 Reading	
9				1	W73334L	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	2 Star 3 Reading	
10				1	Q57141A	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	2 Star 3 Reading	
11				1	N50004J	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	2 Star 3 Reading	
12		SLP1112-0201	11	1	N50004J	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman	P20 Seal	Complete	2 Star 3 Reading	
13		SLP1122-0201	11	1	N50004J	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman	P20 O Ring	Complete	2 Star 3 Reading	
14		SLP1132-0201	11	1	N50004J	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman	P20 Tip Holder	Complete	2 Star 3 Reading	
15				1	M21318M	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	2 Star 3 Reading	
16				1	G22373E	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	2 Star 3 Reading	
17				1	248460	PO 100002	Ann Jones		EXAMPLE1	Your Company Name Here	Dept. 2	Eppendorf	Research		Returned	2 Star 3 Reading	
18				1	2086031	PO 100002	Ann Jones		EXAMPLE1	Your Company Name Here	Dept. 2	Eppendorf	Research		Complete	2 Star 3 Reading	
19				1	4621211	PO 100002	Ann Jones		EXAMPLE1	Your Company Name Here	Dept. 2	Eppendorf	Research		Complete	2 Star 3 Reading	
20				1	T50319B	PO 100002	Ann Jones		EXAMPLE1	Your Company Name Here	Dept. 2	Gilson	Pipetman		Complete	2 Star 3 Reading	
21				1	R57850N	PO 100002	Ann Jones		EXAMPLE1	Your Company Name Here	Dept. 2	Gilson	Pipetman		Complete	2 Star 3 Reading	
22				1	M26380C	PO 100002	Ann Jones		EXAMPLE1	Your Company Name Here	Dept. 2	Gilson	Pipetman		Complete	2 Star 3 Reading	
23				1	N60177H	PO 100003	David Andrews		EXAMPLE1	Your Company Name Here	Dept. 3	Gilson	Pipetman		Complete	2 Star 3 Reading	
24		SLP1112-0101	23	1	N60177H	PO 100003	David Andrews		EXAMPLE1	Your Company Name Here	Dept. 3	Gilson	Pipetman	P10 Seal	Complete	2 Star 3 Reading	
25		SLP1122-0021	23	1	N60177H	PO 100003	David Andrews		EXAMPLE1	Your Company Name Here	Dept. 3	Gilson	Pipetman	P2/P10 O Ring	Complete	2 Star 3 Reading	
26		SLP1132-0101	23	1	N60177H	PO 100003	David Andrews		EXAMPLE1	Your Company Name Here	Dept. 3	Gilson	Pipetman	P10 Tip Holder	Complete	2 Star 3 Reading	
27				1	R71179N	PO 100003	David Andrews		EXAMPLE1	Your Company Name Here	Dept. 3	Gilson	Pipetman		Complete	2 Star 3 Reading	
28				1	T60765G	PO 100003	David Andrews		EXAMPLE1	Your Company Name Here	Dept. 3	Gilson	Pipetman		Complete	2 Star 3 Reading	
29		SLP1112-1501	28	1	T60765G	PO 100003	David Andrews		EXAMPLE1	Your Company Name Here	Dept. 3	Gilson	Pipetman	P5000 Seal	Complete	2 Star 3 Reading	

STARLAB's bespoke CaliStar software generates quick and accurate reporting of on-site clinic activity

Calibration & Repair Overview

How to organise an ON-SITE PIPETTE CLINIC

- Contact your STARLAB Account Manager, or the Servicing Coordinators at the STARLAB office at **service@starlab.co.uk** or phone 01908 283810.
- If it is your first clinic with us, we will arrange a pre-clinic consultation so you can let us know of any specific requirements you have, and for us to ensure your proposed location for the clinic is suitable – see pages 67–68 for requirements
- STARLAB can provide marketing material to help promote the clinic for you, and provide Decontamination Declarations and info on decontamination procedures
- You can sit back and relax while we do the work!

How to SEND US YOUR PIPETTES for servicing

- Decontaminate your pipette and complete and sign a Decontamination Declaration, ensuring you include your Purchase Order No.
- 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 a confirmation by email
- We will service and calibrate your pipette and return the pipette and the calibration certificate to you via courier

Useful contacts

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

If you have a query regarding a pipette that has been mailed-in to our laboratory:
servicecentre@starlab.co.uk

ONLINE QUOTES @ www.starlab.co.uk

IMPORTANT! ALL PIPETTES MUST BE DECONTAMINATED BEFORE SERVICING

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.

- Download the **Decontamination Declaration** form at www.starlab.click/**decontamination**

- We recommend using either Chemgene® or Distel® Disinfectant (pages 202–203) to decontaminate your pipettes. Download the **Pipette Decontamination Procedure** fact sheets at www.starlab.click/**decontamination**

Please also ensure your pipettes are completely dry before presenting them for servicing at a pipette clinic or before packaging them to mail in to our laboratory.

ISO 15189 & Quality System Requirements

What is accreditation?

Accreditation is a formal, third-party recognition of competence to perform specific tasks. Accreditation by the United Kingdom Accreditation Service (UKAS) means STARLAB can demonstrate that it has been assessed and successfully meets internationally recognised standards that demonstrate our competence, impartiality and performance capability.

For what is STARLAB UK accredited?

We are accredited to **ISO/IEC 17025 for the calibration of piston / plunger pipettes,** which provides authoritative assurance of the technical competence of our laboratory. ISO/IEC 17025 defines the following requirements:

- Ability to demonstrate the technical competence of the personnel
- The availability of all the technical resources needed to produce reliable data and results for a defined set of calibrations
- The management systems of the facility meet the principles of ISO 9001

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.

All the above quality systems require that Inspection, Measuring and Test Equipment (IMTE) is suitable for its intended purpose and capable of producing valid and traceable results.

Clinical Pathology Accreditation (CPA)

In 2009 the CPA became a wholly-owned subsidiary of UKAS as part of a strategy by both companies to contribute to the modernisation of pathology services in the UK, starting a project to implement the transition of CPA laboratories from the CPA Standard over to ISO 15189. As a result, **medical labs now need to meet ISO 15189 requirements**, and there has been more focus on the calibration and traceability of equipment. You may think the easiest option is to have all your pipettes calibrated to UKAS standard as the certificate of calibration issued meets all ISO 15189 requirements but this option can be expensive as the cost for UKAS Calibration is higher. To meet requirements:

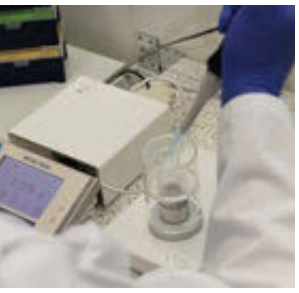
- All pieces of laboratory equipment that have a significant influence on the results must be **traceably calibrated**
- You must have ALL your pipettes calibrated by a facility that is UKAS accredited
- But it is not necessity to have ALL your pipettes calibrated to a UKAS standard
- You do, however, have to justify and document your decision on the level of calibration that is performed

Additionally, and irrespective of the level of calibration / equipment control within a lab, it is also vital that lab technicians using the equipment are competent in its use. This is particularly important with pipettes as the pipetting technique used, and their handling, storage and maintenance, can all have a major impact on their continued accuracy and precision.

For ISO 15189, all laboratories must ensure an ongoing process is in place to maintain competence between assessments and into the future. STARLAB offers training sessions to support the continuous development of Lab Technicians, Lab Managers and Quality Managers (see page 70).

STARLAB is a consultative company who understands that different customers have different levels of experience and knowledge and needs, and we will work with you to provide a service that best suits your individual requirements. If you have any questions regarding CPA requirements, contact STARLAB on **01908 283810** and we will be happy to help.

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. No hidden return postage costs!
- 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 specification*
- Certificate of Calibration provided for each pipette, showing the results and any spare parts fitted

	Servicing & Calibration					
	SINGLE-CHANNEL Cat. Nos / Pricing	**8-CHANNEL Cat. Nos / Pricing**	**12-CHANNEL Cat. Nos / Pricing**	**16-CHANNEL Cat. Nos / Pricing**	**REPEAT DISP. Cat. Nos / Pricing**	**BOTTLE-TOP DISP Cat. Nos / Pricing**
1-STAR 4 Readings at Mid Point**	On-Site: C1111-0000 Mail-In: C1121-0000 £21.00	On-Site: C1211-0000 Mail-In: C1221-0000 £38.00	On-Site: C1311-0000 Mail-In: C1321-0000 £42.00	On-Site: C1411-0000 Mail-In: C1421-0000 £50.00	On-Site: C3124-0000 Mail-In: C3124-M000 £21.00	On-Site: C3121-0000 Mail-In: C3121-M000 £40.00
2-STAR 3 Readings at Min & Max Points**	On-Site: C1112-0000 Mail-In: C1122-0000 £23.00	On-Site: C1212-0000 Mail-In: C1222-0000 £46.00	On-Site: C1312-0000 Mail-In: C1322-0000 £50.00	On-Site: C1413-0000 Mail-In: C1423-0000 £55.00	On-Site: C3125-0000 Mail-In: C3125-M000 £23.00	On-Site: C3122-0000 Mail-In: C3122-M000 £45.00
3-STAR 4 Readings at Min, Mid & Max Points**	On-Site: C1113-0000 Mail-In: C1123-0000 £25.00	On-Site: C1213-0000 Mail-In: C1223-0000 £50.00	On-Site: C1313-0000 Mail-In: C1323-0000 £57.00	On-Site: C1414-0000 Mail-In: C1424-0000 £65.00	On-Site: C3126-0000 Mail-In: C3126-M000 £25.00	On-Site: C3123-0000 Mail-In: C3123-M000 £50.00

*STARLAB can also calibrate to ISO 8655 specifications or to your own, exact requirements; just let us know beforehand. Prices may vary.
**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 specification*
- 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 Cat. Nos / Pricing	**8-CHANNEL Cat. Nos / Pricing**	**12-CHANNEL Cat. Nos / Pricing**	**16-CHANNEL Cat. Nos / Pricing**	**REPEAT DISP. Cat. Nos / Pricing**	**BOTTLE-TOP DISP Cat. Nos / Pricing**
1-STAR 4 Readings at Mid Point**	On-Site: C1111-1000 Mail-In: C1121-1000 £15.00	On-Site: C1211-1000 Mail-In: C1221-1000 £29.00	On-Site: C1311-1000 Mail-In: C1321-1000 £31.00	On-Site: C1411-1000 Mail-In: C1421-1000 £33.00	On-Site: C3124-0100 Mail-In: C3124-M100 £15.00	On-Site: C3121-0100 Mail-In: C3121-M100 £24.00
2-STAR 3 Readings at Min & Max Points**	On-Site: C1112-1000 Mail-In: C1122-1000 £17.00	On-Site: C1212-1000 Mail-In: C1222-1000 £31.00	On-Site: C1312-1000 Mail-In: C1322-1000 £32.00	On-Site: C1413-1000 Mail-In: C1423-1000 £34.00	On-Site: C3125-0100 Mail-In: C3125-M100 £17.00	On-Site: C3122-0100 Mail-In: C3122-M100 £34.00
3-STAR 4 Readings at Min, Mid & Max Points**	On-Site: C1113-1000 Mail-In: C1123-1000 £19.00	On-Site: C1213-1000 Mail-In: C1223-1000 £32.00	On-Site: C1313-1000 Mail-In: C1323-1000 £33.00	On-Site: C1414-1000 Mail-In: C1424-1000 £36.00	On-Site: C3126-0100 Mail-In: C3126-M100 £19.00	On-Site: C3123-0100 Mail-In: C3123-M100 £41.00

*STARLAB can also calibrate to ISO 8655 specifications or to your own, exact requirements; just let us know beforehand. Prices may vary.
**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 Cat. Nos / Pricing	**8-CHANNEL Cat. Nos / Pricing**	**12-CHANNEL Cat. Nos / Pricing**	**16-CHANNEL Cat. Nos / Pricing**
QuickCAL 3 Readings at Mid Point*	On-Site: C5020-0000 Mail-In: C5000-0000 £14.00	On-Site: C5020-0800 Mail-In: C5000-0800 £22.00	On-Site: C5020-0120 Mail-In: C5000-0120 £24.00	On-Site: C5020-0400 Mail-In: C5000-0400 £27.00

*On multi-channels, a visual check is made across EVERY channel and three readings are taken on a middle channel.

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 £21.00

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 fully-trained, 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 trace-ability 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.
  No hidden return postage costs!
- 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

4296

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 (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

PRICING STRUCTURE

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

	10 Readings at 3 Volumes			
	SINGLE-CHANNEL Cat. Nos / Pricing	**8-CHANNEL Cat. Nos / Pricing**	**12-CHANNEL Cat. Nos / Pricing**	**REPEAT DISP. Cat. Nos / Pricing**
As Found 10 Readings on ALL channels at Min, Mid and Max Points	On-Site: C8137-0000 Mail-In: C8137-M000 £50.00	On-Site: C8237-0000 Mail-In: C8237-M000 £75.00	On-Site: C8337-0000 Mail-In: C8337-M000 £80.00	On-Site: C8437-0000 Mail-In: C8437-M000 £50.00
Service & UKAS Cal. 10 Readings on ALL channels at Min, Mid and Max Points	On-Site: C8134-0000 Mail-In: C8134-M000 £60.00	On-Site: C8234-0000 Mail-In: C8234-M000 £90.00	On-Site: C8334-0000 Mail-In: C8334-M000 £95.00	On-Site: C9434-0000 Mail-In: C9434-M000 £60.00
Pre & Post 10 Readings on ALL channels at Min, Mid and Max Points	On-Site: C8135-0000 Mail-In: C8135-M000 £85.00	On-Site: C8235-0000 Mail-In: C8235-M000 £135.00	On-Site: C8335-0000 Mail-In: C8335-M000 £145.00	On-Site: C9435-0000 Mail-In: C9435-M000 £85.00

	10 Readings at 2 Volumes			
	SINGLE-CHANNEL Cat. Nos / Pricing	**8-CHANNEL Cat. Nos / Pricing**	**12-CHANNEL Cat. Nos / Pricing**	**REPEAT DISP. Cat. Nos / Pricing**
As Found 10 Readings on ALL channels at Min and Max Points	On-Site: C8130-0000 Mail-In: C8130-M000 £40.00	On-Site: C8230-0000 Mail-In: C8230-M000 £60.00	On-Site: C8330-0000 Mail-In: C8330-M000 £65.00	On-Site: C8430-0000 Mail-In: C8430-M000 £40.00
Service & UKAS Cal. 10 Readings on ALL channels at Min and Max Points	On-Site: C8131-0000 Mail-In: C8131-M000 £50.00	On-Site: C8231-0000 Mail-In: C8231-M000 £75.00	On-Site: C8331-0000 Mail-In: C8331-M000 £80.00	On-Site: C8431-0000 Mail-In: C8431-M000 £50.00
Pre & Post 10 Readings on ALL channels at Min and Max Points	On-Site: C8132-0000 Mail-In: C8132-M000 £75.00	On-Site: C8232-0000 Mail-In: C8232-M000 £120.00	On-Site: C8332-0000 Mail-In: C8332-M000 £130.00	On-Site: C8432-0000 Mail-In: C8432-M000 £75.00

	5 Readings at 3 Volumes*			
	SINGLE-CHANNEL Cat. Nos / Pricing	**8-CHANNEL Cat. Nos / Pricing**	**12-CHANNEL Cat. Nos / Pricing**	**REPEAT DISP. Cat. Nos / Pricing**
As Found 5 Readings on ALL channels at Min, Mid and Max Points	On-Site: C8139-0000 Mail-In: C8139-M000 £30.00	On-Site: C8239-0000 Mail-In: C8239-M000 £50.00	On-Site: C8339-0000 Mail-In: C8339-M000 £55.00	On-Site: C9439-0000 Mail-In: C9439-M000 £30.00
Service & UKAS Cal. 5 Readings on ALL channels at Min, Mid and Max Points	On-Site: C8138-0000 Mail-In: C8138-M000 £40.00	On-Site: C8238-0000 Mail-In: C8238-M000 £65.00	On-Site: C8338-0000 Mail-In: C8338-M000 £70.00	On-Site: C9438-0000 Mail-In: C9438-M000 £40.00
Pre & Post 5 Readings on ALL channels at Min, Mid and Max Points	On-Site: C8136-0000 Mail-In: C8136-M000 £65.00	On-Site: C8236-0000 Mail-In: C8236-M000 £100.00	On-Site: C8336-0000 Mail-In: C8336-M000 £105.00	On-Site: C9436-0000 Mail-In: C9436-M000 £65.00

	5 Readings at 2 Volumes*			
	SINGLE-CHANNEL Cat. Nos / Pricing	**8-CHANNEL Cat. Nos / Pricing**	**12-CHANNEL Cat. Nos / Pricing**	**REPEAT DISP. Cat. Nos / Pricing**
As Found 5 Readings on ALL channels at Min and Max Points	On-Site: C8439-0000 Mail-In: C8439-M000 £25.00	On-Site: C8539-0000 Mail-In: C8459-M000 £45.00	On-Site: C8639-0000 Mail-In: C8659-M000 £50.00	On-Site: C9739-0000 Mail-In: C9739-M000 £25.00
Service & UKAS Cal. 5 Readings on ALL channels at Min and Max Points	On-Site: C8438-0000 Mail-In: C8438-M000 £35.00	On-Site: C8538-0000 Mail-In: C8538-M000 £60.00	On-Site: C8638-0000 Mail-In: C8638-M000 £65.00	On-Site: C9738-0000 Mail-In: C9738-M000 £35.00
Pre & Post 5 Readings on ALL channels at Min and Max Points	On-Site: C8436-0000 Mail-In: C8436-M000 £55.00	On-Site: C8536-0000 Mail-In: C8536-M000 £90.00	On-Site: C8636-0000 Mail-In: C8636-M000 £95.00	On-Site: C9736-0000 Mail-In: C9736-M000 £55.00

	Fixed Volume*
	SINGLE-CHANNEL Cat. Nos / Pricing
As Found 5 Readings at one volume	On-Site: C8739-0500 Mail-In: C8739-M500 £17.00
Service & UKAS Cal. 5 Readings at one volume	On-Site: C8738-0500 Mail-In: C8738-M500 £25.00
Pre & Post 5 Readings at one volume	On-Site: C8736-0500 Mail-In: C8736-M500 £40.00

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

New pipettes with UKAS Calibration

If you need your new pipette to be supplied with UKAS Certification, you can order a UKAS calibration at the same time as ordering any new pipette from STARLAB, and get the calibration at a special discounted price. A **3.10 As Found UKAS Calibration** will be performed on your brand new pipette and the pipette will be sent to you with the UKAS Certificate of Calibration enclosed.

See page 51 for calibration ordering details.

Pipette Training Sessions

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

We run **CPD ACCREDITED Pipette Training Sessions** that can be held at your premises or at our laboratory in Milton Keynes.

Why is training important?

Training is important because quality systems such as **ISO 15189** have requirements for qualifications, training and competence. This is particularly important with pipettes as the pipetting technique used, as well as their handling, storage and maintenance, can have a major impact on the continued accuracy and precision of the pipette.

Benefits of attending a course

- Courses are held at a convenient time for you, at your own premises. No travelling required!
- Our 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 Continuuing Professional Development (CPD)
- Develop a deeper understanding of pipetting and confidence that your daily work is providing accurate results

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 to book a convenient date 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 ErgoOne® & ErgoOne® E

	Single-Channel ErgoOne®									
	Sealing Rings (3 / Pack)		Spacer Rings (each)		Tip Holders (each)		Tip Ejectors (each)		Filter (10 / Pack)	
Pipette Vol.	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price
2.5µl	*Sealing Rings for these volumes of pipette are sold with the Tip Holders		n/a		P2331-0021*	£22.20	P2351-0021	£13.68	n/a	
10µl			n/a		P2331-0101*	£19.50	P2351-0101	£11.90	n/a	
20µl (Micro)			n/a		P2331-0211*	£19.50	P2351-0211	£11.90	n/a	
20µl (Standard)			n/a		P2331-0201*	£12.38	P2351-0211	£11.90	n/a	
100µl	P2311-1001-C	£9.52	P2391-1001	£6.50	P2331-1001	£9.52	P2351-1001	£11.90	n/a	
200µl	P2311-2001-C	£7.73	P2391-1001	£6.50	P2331-2001	£10.11	P2351-2001	£12.49	n/a	
1000µl	P2311-1101-C	£8.92	P2391-1001	£6.50	P2331-1101	£10.80	P2351-1101	£13.50	n/a	
5000µl	n/a		n/a		P2331-1501	£15.23	P2351-1501	£12.49	P2391-1501-C	£5.35

	Multi-Channel ErgoOne®	
	O- Rings 4 / Pack)	
Pipette Vol.	Cat. No.	Price
10µl	n/a	
100µl	P2421-1001-C	£3.00
300µl	P2421-1001-C	£3.00

ErgoOne®
See pages 48 - 51

	Single-Channel ErgoOne® E							
	Ejector Upper Part* (each)		Spacer Rings (each)		Spring with Seal (each)		Shaft with Ejector Spring (each)	
Pipette Vol.	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price
10µl	P7191-0001	£3.42	P7141-0111	£20.89	n/a		P7151-0101	£14.70
20µl	P7191-0001	£3.42	P7141-0211	£15.17	P7181-0201	£8.66	P7151-0201	£9.63
200µl	P7191-0001	£3.42	P7141-2111	£20.89	P7181-2001	£8.66	P7151-2001	£9.63
1000µl	P7191-0001	£3.42	P7141-1011	£25.40	P7181-1101	£8.66	P7151-1101	£13.34
5000µl	P7141-1511*	£11.13	P7141-1501	£29.89	n/a		n/a	

	Ejector Lower Part		Complete Shaft (each)		Pipette Shaft, Lower Part (each)		Filter (25/Pack)	
Pipette Vol.	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price
10µl	P7151-0111	£8.18	P7191-0101	£30.25	n/a		n/a	
20µl	P7151-0211	£6.47	P7191-0201	£30.25	n/a		n/a	
200µl	P7151-2111	£6.47	P7191-2001	£30.25	n/a		n/a	
1000µl	P7151-1111	£6.47	P7191-1101	£30.25	n/a		n/a	
5000µl	P7141-1511*	£11.13	n/a		P7191-1501	£8.11	P7191-1231-C	£4.30

*Includes Upper and Lower part of Ejector.

ErgoOne® E
See pages 52 - 53

	Multi-Channel ErgoOne® E							
	Piston (each)		Nose Cone Pack** (each)		O-Rings (24 / pack)		Seals only (3 / pack)	
Pipette Vol.	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price
10µl	P7141-0101	£9.61	P4031-0101	£26.07	P4021-0101-C	£18.97	P7111-0101-C	£4.39
20µl	P7141-0201	£9.76	P4031-0201	£10.83	P4021-0101-C	£18.97	P7111-0201-C	£4.39
100µl	P7141-1001	£14.54	P7131-1001	£11.83	P7121-1301-C	£18.97	P7111-1001-C	£4.39
300µl	P2041-3001	£18.42	P2031-3101	£18.42	P7121-1301-C	£18.97	P7111-3001-C	£4.39

**Includes Seal, O-Ring and Mounting Tool.

Pipette Spares for Gilson® Pipettes

Friction Ring			
Cat. No.	**Description**	**Pack Size**	**Price**
P1162-0001	Friction Ring (Rubber)	1	£1.20

Pistons			
Cat. No.	**Description**	**Pack Size**	**Price**
P1142-0021	Piston for use with P2	1	£49.00
P1142-0101	Piston for use with P10	1	£49.00
P1142-0201	Piston for use with P20	1	£49.00
P1142-1001	Piston for use with P100	1	£49.00
P1142-2001	Piston for use with P200	1	£49.00
P1142-1101	Piston for use with P1000	1	£49.00

Seals			
Cat. No.	**Description**	**Pack Size**	**Price**
P1112-0021	Seal for use with P2	1	£4.60
P1112-0101	Seal for use with P10	1	£4.60
P1112-0201	Seal for use with P20	1	£3.60
P1112-1001	Seal for use with P100	1	£3.60
P1112-2001	Seal for use with P200	1	£3.60
P1112-1101	Seal for use with P1000	1	£3.60
P1112-1501	Seal for use with P5000	1	£3.60

O-Rings			
Cat. No.	**Description**	**Pack Size**	**Price**
P1122-0021	O-Ring for use with P2 / P10	1	£1.30
P1122-0201	O-Ring for use with P20	1	£1.30
P1122-1001	O-Ring for use with P100	1	£1.30
P1122-2001	O-Ring for use with P200	1	£1.30
P1122-1101	O-Ring for use with P1000	1	£1.30
P1122-1501	O-Ring for use with P5000	1	£1.30

Tip Holders			
Cat. No.	**Description**	**Pack Size**	**Price**
P1132-0021	Tip Holder for use with P2	1	£14.70
P1132-0101	Tip Holder for use with P10	1	£14.70
P1132-0201	Tip Holder for use with P20	1	£8.00
P1132-1001	Tip Holder for use with P100	1	£8.00
P1132-2001	Tip Holder for use with P200	1	£8.00
P1132-1101	Tip Holder for use with P1000	1	£9.86

Filter		
Cat. No.	**Description**	**Price**
P1191-5000-C	Filter for use with P5ml & P10ml (Pack 10)	£8.00

Tip Ejectors			
Cat. No.	**Description**	**Pack Size**	**Price**
P1151-0021	Tip Ejector for use with P2 / P10	1	£9.20
P1151-0201	Tip Ejector for use with P20	1	£9.20
P1151-1001	Tip Ejector for use with P100	1	£9.20
P1151-2001	Tip Ejector for use with P200	1	£9.20
P1151-1101	Tip Ejector for use with P1000	1	£9.20

Balance Calibration

New!

Coming soon!

As a leading provider of pipette service and calibration to the market, we will be expanding our scope to include the calibration of **laboratory balances** in the range of **0.001mg to 10kg.**

We have been performing balance calibrations internally as part of our UKAS accredited pipette calibration since becoming UKAS accredited for pipettes in 2010.

Our traceable calibrations will enable you to comply with:

- the general requirements of ISO17025
- ISO15189
- ISO13485
- and helps to ensure compliance with USP chapters on weighing

ISO17025
General requirements for the competence of testing and calibration laboratories

Equipment and its software used for testing, calibration and sampling can achieve the accuracy required and shall comply with specifications relevant to the tests and/or calibrations concerned.

ISO15189
Medical laboratories — requirements for quality and competence

This International Standard specifies requirements for quality and competence in medical laboratories and can be used by medical laboratories in developing their quality management systems.

ISO13485
Medical devices, quality management systems requirements for regulatory purposes

As necessary to ensure valid results, measuring equipment shall be calibrated or verified, or both, at specified intervals, or prior to use, against measurement standards traceable to international or national measurement standards.

USP (United States Pharmacopeia) General Chapter 41, Balances and 1251 Weighing on Analytical Balances

Chapter 41 now states that accurate weighing must be performed using a calibrated balance. The requirements of this chapter are that both accuracy and repeatability are to be tested and for both have an accuracy of 0.10%. Chapter 1251 (guide) focuses on balance qualification and operation, including the importance of "minimum weight". The type and frequency of balance checks should be determined by the risk and process tolerance of the application.

BALANCE CALIBRATION PRICING STRUCTURE

Calibrations can be performed over the entire range of the balance (max. capacity 10kg) 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

	Balance Calibration
	Cat. Nos / Pricing
5 Point Check	On-Site: C0002-0500 Pricing to be Confirmed
10 Point Check	On-Site: C0002-1000 Pricing to be Confirmed

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

Coming Soon! New!

TRACEABLE STOPWATCHES & TIMERS

STARLAB will soon be offering traceable Stop Watches and Timers with calibration certificates.

These products will be calibrated using traceable standards and will be ready to use straight out of the box, saving you both time and money by not having to get them calibrated separately.

A Traceable calibration will also support your quality and regulatory requirements such as GxP and ISO.

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.

For more information:

Keep a look out at **www.starlab.co.uk** for updated information, or you can contact **service@starlab.co.uk** or phone us on **01908 283800**

Consumables

Not just plastic!

Expertly designed, injection-moulded high quality consumables.

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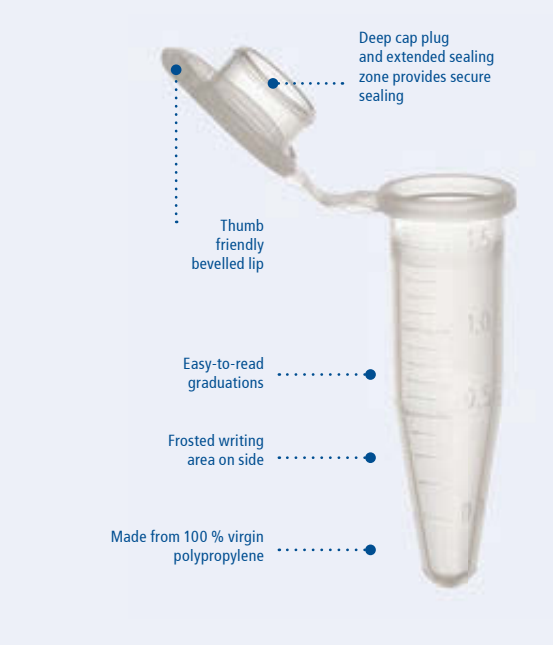
Microcentrifuge Tubes



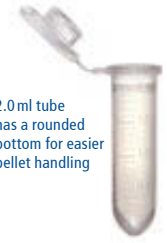
TubeOne® microcentrifuge tubes

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



TubeOne®

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

TubeOne® Microcentrifuge Tubes				
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	Mixed*	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	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*	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	Mixed*	5 x 100	S1620-2799	£27.15

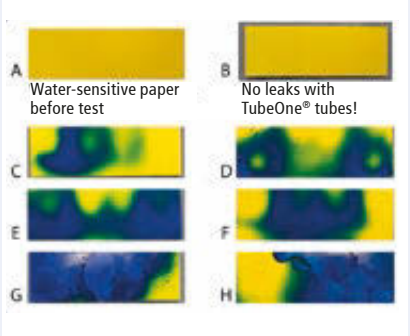
*Mixed packs contain following colour tubes: blue, green, red, violet and yellow.

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!

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.



www.starlab.click/**tubeone**

‘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.

'Crystal Clear' Microcentrifuge Tubes				
Description	**Colour**	**Pack Size**	**Cat. No.**	**Price**
0.6 ml Crystal Clear Microcentriruge Tube	Natural	2 x 500	E1405-0600	£25.28
0.6 ml Crystal Clear Microcentriruge Tube (Sterile)	Natural	5 x 100	E1405-0610	£16.78
1.5 ml Crystal Clear Microcentriruge Tube	Natural	500	E1415-1500	£12.89
1.5 ml Crystal Clear Microcentriruge Tube (Sterile)	Natural	5 x 50	E1415-1510	£10.34
2.0 ml Crystal Clear Microcentriruge Tube	Natural	500	E1420-2000	£13.95
2.0 ml Crystal Clear Microcentriruge Tube (Sterile)	Natural	5 x 50	E1420-2010	£11.44

NOTE: Due to the sterilisation process, sterile tubes are not quite as clear as the non-sterile tubes.

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.

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.

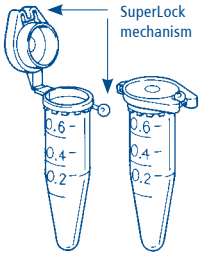
FREE SAMPLE TRY before you BUY available on request

Ultra Clear, High Speed Microcentrifuge Tubes				
Description	**Colour***	**Pack Size**	**Cat. No.**	**Price**
0.5 ml Tubes				
0.5 ml Homopolymer Microcentrifuge Tube	Natural	1000	I1405-1500	£25.25
0.5 ml Homopolymer Microcentrifuge Tube	Various*	1000	I1405-150#	£25.25
0.5 ml Homopolymer Microcentrifuge Tube	Mixed	1000	I1405-1508	£25.25
1.5 ml Tubes				
1.5 ml Homopolymer Microcentrifuge Tube	Natural	500	I1415-1000	£12.65
1.5 ml Homopolymer Microcentrifuge Tube	Various*	500	I1415-100#	£13.95
1.5 ml Homopolymer Microcentrifuge Tube	Mixed	500	I1415-1008	£13.95
1.5 ml Homopolymer Microcentrifuge Tube, No Cap	Natural	500	E1415-2850	£11.33
2.0 ml Tubes				
2.0 ml Homopolymer Microcentrifuge Tube	Natural	500	I1420-2700	£13.95
2.0 ml Homopolymer Microcentrifuge Tube	Various*	500	I1420-270#	£14.95
2.0 ml Homopolymer Microcentrifuge Tube	Mixed	500	I1420-2799	£14.95
2.0 ml Homopolymer Microcentrifuge Tube, no Cap	Natural	500	E1420-2850	£14.31

*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.

www.starlab.click/**microcentrifugetubes**

Microcentrifuge Tubes

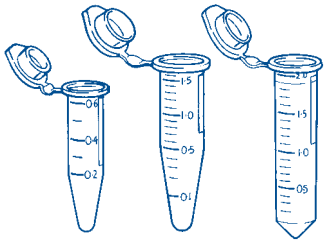


Super safe, SuperLock tubes

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.

Locking Microcentrifuge Tubes				
Description	**Colour**	**Pack Size**	**Cat. No.**	**Price**
0.5 ml SuperLock Microcentrifuge Tube	Natural	1000	E1405-5100	£27.56
1.5 ml SuperLock Microcentrifuge Tube	Natural	500	I1415-5100	£15.29
2.0 ml SuperLock Microcentrifuge Tube	Natural	500	E1420-5100	£19.15
2.0 ml SuperLock Microcentrifuge Tube	Mixed*	5 x 100	E1420-5108	£19.15

*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.

Ultra-High Recovery Microcentrifuge Tubes				
Description	**Colour**	**Pack Size**	**Cat. No.**	**Price**
0.5 ml Ultra High Recovery Microcentrifuge Tube	Natural	500	E1405-2600	£14.30
1.5 ml Ultra High Recovery Microcentrifuge Tube	Natural	250	E1415-2600	£11.49
2.0 ml Ultra High Recovery Microcentrifuge Tube	Natural	250	I1420-2600	£14.31

Individually-wrapped, sterile microcentrifuge tubes

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

Microcentrifuge Tubes, Individually-Wrapped			
Description	**Pack Size**	**Cat. No.**	**Price**
0.6 ml Microcentrifuge Tube (Sterile), Individually-Wrapped	500	I1405-0510	£40.80
1.5 ml Microcentrifuge Tube (Sterile), Individually-Wrapped	250	I1415-5510	£22.44

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.

High Speed Microcentrifuge Tubes				
Description	**Colour***	**Pack Size**	**Cat. No.**	**Price**
1.5 ml Copolymer Microcentrifuge Tube	Natural	500	I1415-2500	£15.00
1.5 ml Copolymer Microcentrifuge Tube	Various*	500	I1415-250#	£15.50
1.5 ml Copolymer Microcentrifuge Tube	Mixed	500	I1415-2508	£15.50

*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

Microcentrifuge Tube Accessories					
		For Use with	**Pack Size**	**Cat. No.**	**Price**
	Cap Locks: Reusable cap locks to securely seal tubes for rigorous boiling/freezing. Assorted colours to aid sample identification. Compatible with most microcentrifgue tubes.	0.5 ml Tubes	100	E1405-9000	£18.08
		1.5 / 2.0 ml Tubes	100	I1415-1508	£17.24
	Tube Openers: 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	£30.01
	Microtube Pestle: Disposable polypropylene pestles. Ideal for homogenising cells or resuspending DNA or protein pellets. Certifed RNase, DNase and DNA free.	0.5 ml Tubes	10	I1405-4390	£8.05
		1.5 / 2.0 ml Tubes	10	I1415-5390	£8.05

All Cap Locks, Tube Openers and Microtube Pestles are suplied in mixed packs of blue, green, orange, red, pink and yellow.

FREE SAMPLE TRY before you BUY available on request

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*

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

5.0 ml Preparation Tubes				
Description	**Colour**	**Pack Size**	**Cat. No.**	**Price**
Conical Tubes				
5.0 ml Preparation Tube, Conical	Natural	200	E1450-1100	£30.00
5.0 ml Preparation Tube, Conical	Blue	200	E1450-1101	£33.36
5.0 ml Preparation Tube, Conical	Green	200	E1450-1102	£33.36
5.0 ml Preparation Tube, Conical	Red	200	E1450-1104	£33.36
5.0 ml Preparation Tube, Conical	Yellow	200	E1450-1106	£33.36
5.0 ml Preparation Tube, Conical	Black	200	E1450-1108	£33.36
Skirted Tube				
5.0 ml Preparation Tube, Skirted	Natural	250	E1450-1000*	£38.04

Dimensions (HxØ): 60 x 18 mm (tube) / 30 mm (cap at widest point).
*E1450-1000 skirted tube is not certified.

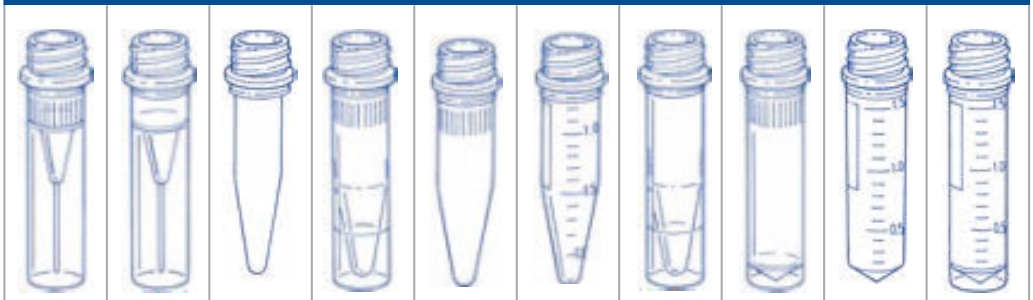
Screw Cap Microtubes

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

Tubes only



Tube Volume:	0.5 ml	0.5 ml	0.5 ml	1.5 ml	1.5 ml	1.5 ml	1.5 ml	2.0 ml	2.0 ml	2.0 ml
Tube Style:	Ribbed	Plain	Plain	Ribbed	Ribbed	Graduated	Plain	Ribbed	Graduated	Graduated
Tube Base:	Skirted	Skirted	Conical	Skirted	Conical	Conical	Skirted	Skirted	Conical	Skirted
Natural Tubes 100% polypropylene	E1405-2120 £18.00 Pack 500	E1405-2140 £18.00 Pack 500	E1405-2130 £18.00 Pack 500	E1415-2220 £18.00 Pack 500	E1415-2210 £18.00 Pack 500	E1415-2230 £18.00 Pack 500	E1415-2240 £18.00 Pack 500	E1420-2320 £18.00 Pack 500	E1420-2330 £18.00 Pack 500	E1420-2340 £18.00 Pack 500
Amber Tubes 100% polypropylene Suitable for light sensitive samples.	E1405-2127 £18.00 Pack 500	n/a	n/a	E1415-2227 £18.00 Pack 500	n/a	E1415-2237 £18.00 Pack 500	n/a	n/a	E1420-2337 £18.00 Pack 500	E1420-2347 £18.00 Pack 500

2. CHOOSE THE STYLE/COLOUR OF CAP

EasyGrip Caps only

Colour:	Natural/ White	White/Blue	White/Green	White/Orange	White/Red	White/Violet	White/Yellow	White/White	Mixed
Easy Grip Caps Opaque white* 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 £35.41 Pack 500	E1480-0301 £35.41 Pack 500	E1480-0302 £35.41 Pack 500	E1480-0303 £35.41 Pack 500	E1480-0304 £35.41 Pack 500	E1480-0305 £35.41 Pack 500	E1480-0306 £35.41 Pack 500	E1480-0309 £35.41 Pack 500	E1480-0399 £35.41 Pack 500

*except E1480-0300 which is clear.

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 £37.68 Pack 500	E1480-0101 £37.68 Pack 500	E1480-0102 £37.68 Pack 500	E1480-0103 £37.68 Pack 500	E1480-0104 £37.68 Pack 500	E1480-0105 £37.68 Pack 500	E1480-0106 £37.68 Pack 500	E1480-0107 £37.68 Pack 500	E1480-0108 £37.68 Pack 500	E1480-0109 £37.68 Pack 500	E1480-0199 £37.68 Pack 500
Tethered Caps Polypropylene cap with separate, ethylene-propylene o-ring to form a seal against rim of tube.	E1480-0200 £37.68 Pack 500	E1480-0201 £39.71 Pack 500	E1480-0202 £39.71 Pack 500	E1480-0203 £39.71 Pack 500	E1480-0204 £39.71 Pack 500	E1480-0205 £39.71 Pack 500	E1480-0206 £39.71 Pack 500	E1480-0207 £39.71 Pack 500	E1480-0208 £39.71 Pack 500	E1480-0209 £39.71 Pack 500	E1480-0299 £39.71 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 £37.92 Pack 5 x 50	E1415-2231 £37.92 Pack 5 x 50	E1415-2241 £37.92 Pack 5 x 50	E1420-2331 £37.92 Pack 5 x 50	E1420-2341 £37.92 Pack 5 x 50
with Natural Tethered Caps (Sterile) Ready-assembled tubes and natural tethered caps wtih o-ring seal.	E1405-2142 £46.74 Pack 5 x 50	E1415-2232 £46.74 Pack 5 x 50	E1415-2242 £46.74 Pack 5 x 50	E1420-2332 £46.74 Pack 5 x 50	E1420-2342 £46.74 Pack 5 x 50
with Natural/White EasyGrip Caps (Sterile) Ready-assembled tubes and natural EasyGrip Caps with white integral grip/seal.	E1405-2143 £36.96 Pack 5 x 50	E1415-2233 £36.96 Pack 5 x 50	E1415-2243 £36.96 Pack 5 x 50	E1420-2333 £36.96 Pack 5 x 50	E1420-2343 £36.96 Pack 5 x 50
with White/Colour EasyGrip Caps (Sterile)* Ready-assembled tubes and opaque white EasyGrip Caps with coloured, integral grip/seal.	E1405-030# £36.96 Pack 5 x 50	E1415-030# £36.96 Pack 5 x 50	E1415-031# £36.96 Pack 5 x 50	E1420-030# £45.00 Pack 5 x 50	E1420-031# £36.96 Pack 5 x 50

*To order colour of grip/seal required, replace # as last digit of Cat. No. with:

1 for Blue | 2 for Green | 4 for Red | 6 for Yellow

Assembled sterile tubes & caps

- Sterile, ready-assembled tube and cap packs
- Supplied in convenient, reseal-able 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

Ready-assembled sterile tubes and EasyGrip Caps

E1420-0314

High Impact Screw Cap Microtubes

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

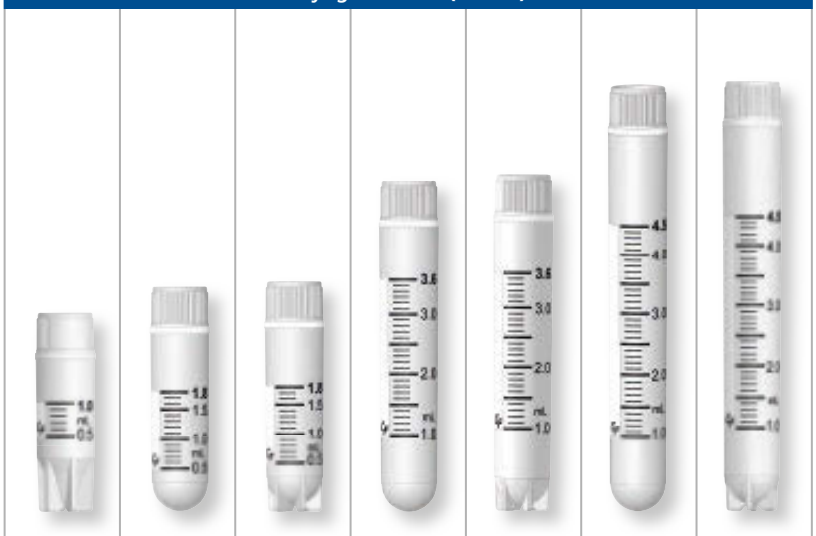
High Impact Screw Cap Microtube			
Description	**Pack Size**	**Cat. No.**	**Price**
2.0 ml Graduated, High Impact Screw Cap Microtube	200	E1420-2641	£67.00

Cryogenic Vials

Cryogenic Vials for the storage and 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 highly-visible black graduations at 100 µl increments
- Sterile and certified RNase, DNase, DNA, PCR Inhibitor and Endotoxin free

Cryogenic Vials (Sterile)



	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
	External Threaded Tube Self-Sealing Cap, Sterile	E3090-6212 £108.38 Pack Size: 10 x 50 Height: 41 mm	E3090-6321 £108.38 Pack Size: 10 x 50 Height: 43 mm	E3090-6222 £108.38 Pack Size: 10 x 50 Height: 48 mm	n/a	n/a	n/a	E3090-6242 £78.28 Pack Size: 6 x 50 Height: 91 mm
	Internal Threaded Tube Silicone Seal in Cap, Sterile	E3110-6112 £126.45 Pack Size: 10 x 50 Height: 42 mm	E3110-6121 £132.47 Pack Size: 10 x 50 Height: 46 mm	E3110-6122 £126.45 Pack Size: 10 x 50 Height: 49 mm	E3110-6131 £108.38 Pack Size: 8 x 50 Height: 70 mm	E3110-6132 £108.38 Pack Size: 8 x 50 Height: 71 mm	E3110-6141 £108.38 Pack Size: 6 x 50 Height: 90 mm	E3110-6142 £108.38 Pack Size: 6 x 50 Height: 91 mm

Supplied in convenient, resealable, self-standing pouches

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

Coloured Cap Inserts

E1494-6###* £15.15 Pack Size: 500

*To order the colour required, replace ### as last three digits of Cat. No. with:

001 Blue	002 Green	003 Orange	004 Red	104 Pink	005 Violet	006 Yellow	007 Brown	108 Grey	009 White	099 Mixed

Cryogenic Accessories

Description	Pack Size	Cat. No.	Price
Storage Canes			
Storage Canes for 5 x 1.2 / 2.0 ml Cryogenic Vials	12	E2005-5000	£11.44
Cryogenic Labels for use down to -196 °C			
9.5 mm Cryogenic Spot Labels, Mixed	5000 Labels / Roll	E9189-0099	£43.48
StarTag Cryo (38 x 15 mm), White	1000 Labels / Roll	E9189-3009	£28.41

See page 114 for information on the cryogenic labels.

See pages 143 – 144 for cryogenic storage boxes and work racks

Centrifuge Tubes

FREE SAMPLE TRY before you BUY available on request

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

Centrifuge Tubes			
Description	**Pack Size**	**Cat. No.**	**Price**
15 ml Centrifuge Tubes			
15 ml Centrifuge Tube, Conical, Loose (Sterile)	10 x 50-Tube Bags	E1415-0200	£101.11
15 ml Centrifuge Tube, Conical, Racked (Sterile)	10 x 50-Tube Racks	E1415-0800	£107.43
50 ml Centrifuge Tubes			
50 ml Centrifuge Tube, Conical, Loose (Sterile)	10 x 50-Tube Bags	E1450-0200	£101.11
50 ml Centrifuge Tube, Conical, Racked (Sterile)	20 x 25-Tube Racks	E1450-0800	£107.43
50 ml Centrifuge Tube, Skirted, Loose (Sterile)	10 x 50-Tube Bags	E1450-0500	£101.11

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.

Microtubes in Rack

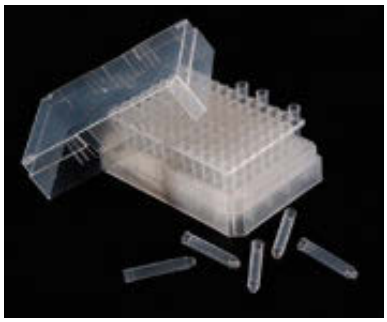
Organised storage

- 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

Micro-Dilution Tube System			
Description	**Pack Size**	**Cat. No.**	**Price**
Racks / Individual Tubes			
1.2 ml Reaction Tubes in Rack (96 Individual Tubes)	10	E1750-0400	£33.18
1.2 ml Reaction Tubes in Rack (96 Individual Tubes) (Sterile)	10	E1750-0410	£36.12
1.2 ml Individual Reaction Tubes	1000	E1710-0000	£20.28
Racks / 8-Strip Tubes			
1.2 ml Reaction Tubes in Rack (12 x 8-Strip Tubes)	10	E1760-8400	£33.18
1.2 ml Reaction Tubes in Rack (12 x 8-Strip Tubes) (Sterile)	10	E1760-8410	£37.18
1.2 ml 8-Strip Reaction Tubes	125	E1720-8000	£20.28
Racks / 12-Strip Tubes			
1.2 ml Reaction Tubes in Rack (8 x 12-Strip Tubes)	10	E1770-9400	£33.18
1.2 ml Reaction Tubes in Rack (8 x 12-Strip Tubes) (Sterile)	10	E1770-9410	£37.18
1.2 ml 12-Strip Reaction Tubes	80	E1730-9000	£20.28
Strip Caps			
8-Strip Caps for 1.2 ml Reaction Tubes	125	E1702-8400	£13.90
8-Strip Caps for 1.2 ml eaction Tubes (Sterile)	125	E1702-8410	£16.65
12-Strip Caps for 1.2 ml Reaction Tubes	80	E1703-9400	£13.90
12-Strip Caps for1.2 ml Reaction Tubes (Sterile)	80	E1703-9410	£16.65

NOTE: PP tubes and racks are autoclavable. PE strip caps can not be autoclaved.
Rack dimensions (WxDxH): 128 x 85.5 x 47.25 mm (with lid).

Microtubes in Rack



Alpha-numeric coded tubes 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

Alpha-Numeric Coded Tubes in Rack			
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	£92.90
Tube Rack Refill Frame, Loaded with 96 x 0.65 ml Alpha-Numeric Coded Tubes	10 Refills	E1780-3700	£55.71
1.2 ml Tubes			
Tube Rack with Lid, Pre-Filled with 96 x 1.2 ml Alpha-Numeric Coded Tubes	10 Racks	E1780-2100	£92.90
Tube Rack Refill Frame, Loaded with 96 x 1.2 ml Alpha-Numeric Coded Tubes	10 Refills	E1780-2700	£55.71
Sealing Options			
8-Strip Caps for 0.65 ml or 1.2 ml Tubes	1000/Bag	E1780-8400	£185.79
Piercable Cap Mat for 0.65 ml or 1.2 ml Tubes	10 Mats	E1780-8500	£23.29

NOTE: PP tubes and racks are autoclavable. Strip caps and cap mat are not autoclavable.
0.65 ml Rack dimensions, incl. lid: 127 x 85 x 50 mm.
1.2 ml Rack dimensions, incl. lid: 127 x 85 x 50 mm.

Refill frames loaded with tubes

Piercable cap mat

8-strip caps

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.

1.2 ml Microtubes in Rack			
Description	**Pack Size**	**Cat. No.**	**Price**
1.2 ml Microtubes in Rack	10	I1412-7400	£36.56
1.2 ml Microtubes in Rack (Sterile)	10	I1412-7410	£41.19
8-Strip Caps for 1.2 ml Microtubes	120	I1494-1400	£15.98
8-Strip Caps for 1.2 ml Microtubes (Sterile)	120	I1494-1410	£18.53

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. Leak-proof 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* with cap: -50 °C to 80° C / PS tubes with cap: -10 °C to 70 °C.

12 x 75 Tubes			
Description	**Pack Size**	**Cat. No.**	**Price**
12 x 75 Polypropylene (PP) Graduated Tube	2 x 1000	E1412-6201	£37.92
12 x 75 Polystyrene (PS) Graduated Tube	2 x 1000	E1412-6200	£39.81
Cap for 12 x 75 Graduated Tubes, PE, Natural	2000	E1412-6300	£37.14

Dimensions: Tube (HxØ): 75 x 12 mm. Cap: 15 x 15 mm. *PP tubes without cap are autoclavable (temp. use: -80 °C to 121 °C).

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.

4.0 ml Scintillation Vial Insert			
Description	**Pack Size**	**Cat. No.**	**Price**
4.0 ml Scintillation Vial Insert Tube with Screw Cap	1000	E1412-7000	£79.05

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.

7.0 ml Bijou Containers (Sterile)			
Description	**Pack Size**	**Cat. No.**	**Price**
7.0 ml Polystyrene Bijou Container, without Label (Sterile)	700	E1412-0710	£109.69
7.0 ml Polystyrene Bijou Container, with Label (Sterile)	700	E1412-0711	£111.55

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.

12 ml Skirted Tube			
Description	**Pack Size**	**Cat. No.**	**Price**
12 ml Polystyrene Screw Cap Tube, Skirted (Sterile[1])	250	E1412-1200	£47.38

Dimensions (HxØ) incl. cap: 105 x 21 mm. [1]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 °C to 120 °C (PP) / -10 °C to 70 °C (PS).

14 ml Culture Tubes (Sterile)			
Description	**Pack Size**	**Cat. No.**	**Price**
14 ml Polypropylene Culture Tube with Cap (Sterile)	20 x 25-Tube Bags	I1485-0810	£114.42
14 ml Polystyrene Culture Tube with Cap (Sterile)	20 x 25-Tube Bags	I1485-2810	£114.42

Dimensions (HxØ) incl. cap: 95 x 23 mm. PP tubes are autoclavable only without the cap.

Tubes & Containers

20 ml HDPE scintillation vial with leak-proof polypropylene screw cap. Temperature use: -50 °C to 80 °C.

20 ml Scintillation Vial			
Description	**Pack Size**	**Cat. No.**	**Price**
20 ml Plastic Scintillation Vial	1000	E1412-7100	£164.99

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.

30 ml Universal Containers			
Description	**Pack Size**	**Cat. No.**	**Price**
30 ml Polypropylene Universal Container, No Label (Sterile[1])	400	E1412-3020	£43.50
30 ml Polypropylene Universal Container, Plain Label (Sterile[1])	400	E1412-3021	£46.33
30 ml Polypropylene Universal Container, Printed Label (Sterile[1])	400	E1412-3022	£46.33
30 ml Polystyrene Universal Container, No Label (Sterile[1])	400	E1412-3010	£58.52
30 ml Polystyrene Universal Container, Plain Label (Sterile[1])	400	E1412-3011	£61.21
30 ml Polystyrene Universal Container, Printed Label (Sterile[1])	400	E1412-3012	£62.63

Dimensions (HxØ) incl. cap: 93 x 31 mm. [1]Aseptically produced in a fully-automated and bio-controlled environment.

FREE SAMPLE TRY before you BUY available on request

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

60 ml Polystyrene Screw Cap Container			
Description	**Pack Size**	**Cat. No.**	**Price**
60 ml Polystyrene Container, Red Screw Cap (Sterile[1])	600	E1412-6004	£102.02

Dimensions (HxØ) incl. cap: 66 x 44.5 mm. [1]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.

125 ml Polypropylene Screw Cap Container			
Description	**Pack Size**	**Cat. No.**	**Price**
125 ml Polypropylene Graduated Container, Red Cap (Sterile[1])	475	E1412-6104	£74.81

Dimensions (HxØ) incl. cap: 75 x 62 mm. [1]Aseptically produced in a fully-automated and bio-controlled 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.

Straight-Sided Metal Cap Containers			
Description	**Pack Size**	**Cat. No.**	**Price**
60 ml Polystyrene Container, Metal Cap, Printed Label (Sterile)	300	E1412-6000	£80.21
100 ml Polystyrene Container, Metal Cap (Sterile[1])	160	E1412-1000	£70.64
150 ml Polystyrene Container, Metal Cap (Sterile[1])	120	E1412-1500	£77.51
250 ml Polystyrene Container, Metal Cap (Sterile[1])	48	E1412-2500	£48.59

Dimensions (HxØ) incl. cap: 60 ml: 60 x 45 mm. 100 ml: 75 x 45 mm. 150 ml: 108 x 55 mm. 250 ml: 121 x 65 mm.
[1]Aseptically produced in a fully-automated and bio-controlled environment.

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 cyclers
- Supplied in resealable bags
- Certified RNase, DNase, DNA & PCR Inhibitor free
- Endotoxin-free

0.2 ml PCR Tubes				
Description	**Colour**	**Pack Size**	**Cat. No.**	**Price**
Domed Caps				
0.2 ml PCR Tube, Domed Cap	Natural	1000	I1402-4300 C	£41.23
0.2 ml PCR Tube, Domed Cap	Mixed*	5 x 200	I1402-4308	£41.23
Flat Caps				
0.2 ml PCR Tube, Flat Cap	Natural	1000	I1402-8100 C	£41.23
0.2 ml PCR Tube, Flat Cap	Mixed*	5 x 200	I1402-8108 C	£41.23
0.2 ml PCR Tube, Flat Cap (X-Clear) for qPCR	Natural	1000	I1402-8200	£41.23

*Mixed packs contain: blue, green, red, violet, yellow.

The integral shield on the cap prevents accidental finger contamination with the surface of the lid

0.2 ml PCR Tubes, Shielded Caps				
Description	**Colour**	**Pack Size**	**Cat. No.**	**Price**
Domed Caps				
0.2 ml PCR Tube, Domed Shielded Cap	Natural	1000	S1602-4300	£48.78

0.5 ml PCR Tubes				
Description	**Colour**	**Pack Size**	**Cat. No.**	**Price**
Domed Caps				
0.5 ml PCR Tube, Domed Cap	Natural	1000	I1405-8200 C	£29.68
Flat Caps				
0.5 ml PCR Tube, Flat Cap	Natural	1000	I1405-8100 C	£29.68
0.5 ml PCR Tube, Flat Cap	Mixed*	5 x 200	I1405-8108 C	£32.23

*Mixed pack contains: blue, green, red, violet, yellow.

C CASE SIZES (x10 packs) available at discount! To order by the case, add **-C** to the end of the Cat. No.

www.starlab.click/**pcrtubes**

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

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.

C CASE SIZES (x10 packs) available at discount! To order by the case, add **-C** to the end of the Cat. No.

8-Strip Tubes & Caps				
Description	**Colour**	**Pack Size**	**Cat. No**	**Price**
Strip Tubes only				
0.1 ml 8-Strip PCR Tubes, Low-Profile	Natural	125	I 1402-3600	£77.35
0.1 ml 8-Strip PCR Tubes, Low-Profile	White	125	I 1402-3609	£77.35
0.2 ml 8-Strip PCR Tubes	Natural	125	I 1402-3500 C	£77.35
0.2 ml 8-Strip PCR Tubes	Mixed*	5 x 25	I 1402-3508	£77.35
0.2 ml 8-Strip PCR Tubes	White	125	I 1402-3509	£77.35
Strip Caps only				
8-Strip PCR Caps, Domed	Natural	125	I 1400-0800 C	£14.23
8-Strip PCR Caps, Domed	Mixed*	5 x 25	I 1400-0808	£14.23
8-Strip PCR Caps, Flat (Xtra-Clear)	Natural	125	I 1400-0900 C	£14.23
Strip Tube & Cap Combo Packs				
0.1 ml 8-Strip PCR Tubes, Low-Profile, and 8-Strip PCR Caps, Flat (X-Clear)	Natural	125	I 1402-4700	£92.66
0.1 ml 8-Strip White PCR Tubes, Low-Profile, and 8-Strip PCR Caps, Flat (X-Clear)	White / Natural	125	I 1409-4700	£92.66
0.2 ml 8-Strip PCR Tubes and 8-Strip PCR Caps, Domed	Natural	125	I 1402-6700 C	£92.66
0.2 ml 8-Strip PCR Tubes and 8-Strip PCR Caps, Flat (X-Clear)	Natural	125	I 1402-5700 C	£92.66
0.2 ml 8-Strip White PCR Tubes, and 8-Strip PCR Caps, Flat (X-Clear)	White / Natural	125	I 1409-5700	£92.66

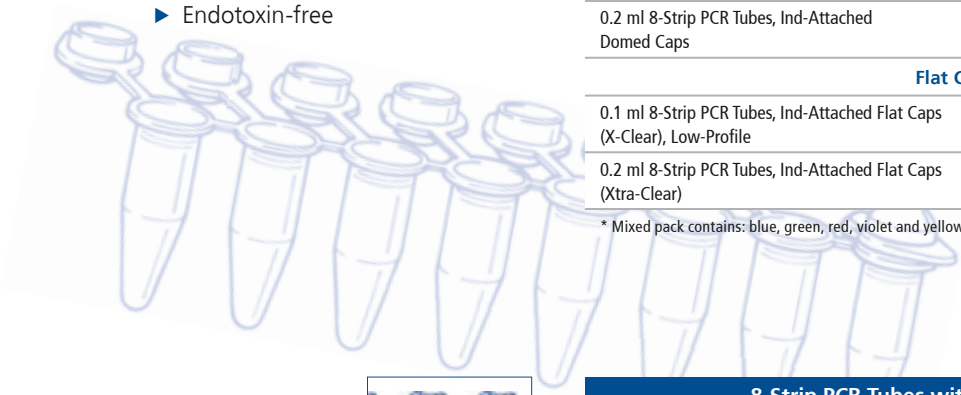
* Mixed packs contain: blue, green, red, violet and yellow.
NOTE: Tube and cap strips of the Combo Packs are supplied non-assembled in separate bags.

12-Strip Tubes & Caps				
Description	**Colour**	**Pack Size**	**Cat. No**	**Price**
Strip Tubes only				
0.2 ml 12-Strip PCR Tubes	Natural	80	I 1402-1200 C	£77.35
0.2 ml 12-Strip PCR Tubes	Mixed*	5 x 16	I 1402-1208	£77.35
Strip Caps only				
12-Strip PCR Caps, Domed	Natural	80	I 1400-1200 C	£19.34
12-Strip PCR Caps, Domed	Mixed*	5 x 16	I 1400-1208	£19.34
12-Strip PCR Caps, Flat (Xtra-Clear)	Natural	80	I 1400-1290 C	£19.34

*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



8-Strip PCR Tubes with Individual Caps

Description	Colour	Pack Size	Cat. No	Price
Domed Caps				
0.2 ml 8-Strip PCR Tubes, Ind-Attached Domed Caps	Natural	120	I1402-2900 C	£109.58
0.2 ml 8-Strip PCR Tubes, Ind-Attached Domed Caps	Mixed*	5 x 24	I1402-2908	£109.58
Flat Caps (X-Clear)				
0.1 ml 8-Strip PCR Tubes, Ind-Attached Flat Caps (X-Clear), Low-Profile	Natural	120	A1402-3800	£109.58
0.2 ml 8-Strip PCR Tubes, Ind-Attached Flat Caps (Xtra-Clear)	Natural	120	A1402-3700 C	£109.58

* Mixed pack contains: blue, green, red, violet and yellow.

S1602-2900
Integral shield on the cap prevents accidental finger contamination with the surface of the lid

8-Strip PCR Tubes with Individual Shielded Caps

Description	Colour	Pack Size	Cat. No	Price
0.2 ml 8-Strip PCR Tube, Individually Attached Domed Shielded Caps	Natural	120	S1602-2900	£115.06

8-Strip PCR Tubes with Attached Strip Caps

Description	Colour	Pack Size	Cat. No	Price
Domed Caps				
0.2 ml 8-Strip PCR Tubes, Attached Domed Cap Strip	Natural	125	I1402-2800 C	£109.58
Flat Caps (X-Clear)				
0.2 ml 8-Strip PCR Tubes, Attached Flat Cap Strip (X-Clear)	Natural	125	I1402-2700 C	£109.58
0.2 ml 8-Strip White PCR Tubes, Attached Flat Cap Strip (X-Clear)	White / Natural	125	I1409-2700	£109.58

White Tubes with X-Clear Caps!

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

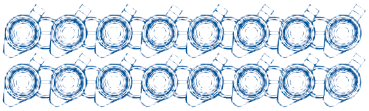
PCR Strips

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.



The individually attached caps are set at an angle which 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.

FREE SAMPLE TRY before you BUY available on request

- 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
- 'X-Clear' caps for Real-Time PCR
- Supplied in resealable bags
- Autoclavable
- Certified RNase, DNase, DNA & PCR Inhibitor free
- Endotoxin-free

8-Strip 'Non-Flex' PCR Tubes with Individual Caps

Description	Colour	Pack Size	Cat. No	Price	
Standard Height					
0.2 ml 8-Strip Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	Natural / Natural	120	I1402-3700 (C)	£109.58	
0.2 ml 8-Strip Mixed Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	Mixed* / Natural	120	I1402-3708	£109.58	*New!*
0.2 ml 8-Strip White Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	White / Natural	120	I1409-3700	£109.58	
Low-Profile					
0.1 ml 8-Strip Low-Profile Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	Natural / Natural	120	I1402-3800	£109.58	
0.1 ml 8-Strip Low-Profile White Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	White / Natural	120	I1409-3800	£109.58	

* Mixed pack contains: blue, green, red, violet and yellow.

(C) **CASE SIZES (x10 packs) available at discount!** To order by the case, add **-C** to the end of the Cat. No.

www.starlab.click/**pcrstrips**

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

Rotor-Gene® Style Strip Tubes and Caps				
Description	**Colour**	**Pack Size**	**Cat. No**	**Price**
0.1 ml 4-Strip Rotor-Gene® Style Tubes and Caps	Natural	250	I1402-0400	£77.35

PCR Discs

New!

One pack of **72-well discs** provides 1728 reactions

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.

Product features

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

Rotor-Gene® Style Discs			
Description	**Pack Size**	**Cat. No.**	**Price**
Rotor-Gene® Style Discs: 72 x 100 µl Tubes	24 discs	I1402-0500	£109.00
Rotor-Gene® Style Discs: 100 x 30 µl Tubes	30 discs	I1402-0600	£129.00

Non-Skirted PCR Plates

Plate capacities:
Approx. maximum capacity for 96-well plates:
350 µl 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.

C **CASE SIZES (100 plates) available at discount!** To order by the case, add **-C** to the end of the Cat. No.

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

Non-Skirted PCR Plates

Description (Cut Corner)	Colour	Pack Size	Cat. No.	Price
Low-Profile				
96-Well PCR Plate, Non-Skirted, Low-Profile (H12)	Natural	20	E1403-0200 C	£65.80
96-Well PCR Plate, Non-Skirted, Low-Profile (H12)	Black	20	E1403-0208	£65.80
96-Well PCR Plate, Non-Skirted, Low-Profile (H12)	White	20	E1403-0209 C	£65.80
Standard Height				
96-Well PCR Plate, Non-Skirted (A12)	Natural	10	E1403-1200 C	£33.57
96-Well PCR Plate, Non-Skirted (A12)	Black	10	E1403-1208	£33.57
96-Well PCR Plate, Non-Skirted (A12	White	10	E1403-1209 C	£33.57
Standard Height, Cuttable				
96-Well PCR Plate, Non-Skirted (Cuttable) (A12)	Natural	10	E1403-0100 C	£33.57
Sealing Mat				
Silicone Sealing Mat for 96-Well PCR Plates (Autoclavable)*	Natural	5	E1403-0000	£31.00

NOTE: Sealing mat E1403-0000 is not suitable for qPCR. Above plates can also be sealed with PCR strip caps (page 90), or the plate seals suitable for PCR (pages 107–108). For an overview of PCR plate sealing options, see page 100.

Non-Skirted PCR Plates (Flat Surface)

Description (Cut Corner)	Colour	Pack Size	Cat. No.	Price
96-Well PCR Plate, Non-Skirted (Flat Surface) (H12)	Natural	10	B1402-0595	£33.57
48-Well PCR Plate, Non-Skirted (Flat Surface)	Natural	10	B1402-0648	£15.00
24-Well PCR Plate, Non-Skirted (Flat Surface)	Natural	10	B1402-0625	£9.00

The 96-Well plate has a moulded matrix. 48- and 24-Well plates do not have a cut corner. Plates can be sealed with the plate seals suitable for PCR (pages 107-108). For an overview of PCR plate sealing options, see page 100.

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.

Silicone Sealing Mat

Description	Colour	Pack Size	Cat. No.	Price
Silicone Sealing Mat for 96-Well PCR Plates (Autoclavable)	Natural	5	E1403-0000	£31.00

NOTE: This mat is not suitable for qPCR.

www.starlab.click/**pcrplates**

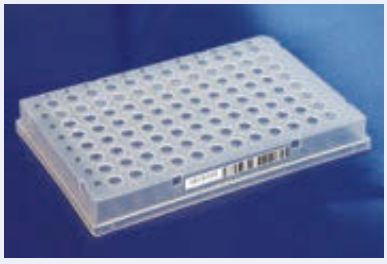
FREE SAMPLE TRY before you BUY available on request

- Reduce contamination with elevated wells

Non-Skirted PCR Plates with Elevated Wells				
Description (Cut Corner)	**Colour**	**Pack Size**	**Cat. No.**	**Price**
96-Well PCR Plate, Non-Skirted, Elevated Wells (H12)	Natural	10	E1403-2200	£33.57
48-Well PCR Plate, Non-Skirted, Elevated Wells	Natural	20	E1403-3200	£41.23
24-Well PCR Plate, Non-Skirted, Elevated Wells	Natural	40	E1403-4200	£47.68
Sealing Mat				
Silicone Sealing Mat (Autoclavable)*	Natural	5	E1403-0000	£31.00

***NOTE:** Sealing mat E1403-0000 is not suitable for qPCR. Above plates can also be sealed with PCR strip caps (page 90).
For an overview of all PCR Plate Sealing Options, see page 100.

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.

96-Well Semi-Skirted PCR Plates, Barcoded				
Description (Cut Corner)	**Colour**	**Pack Size**	**Cat. No.**	**Price**
96-Well PCR Plate, Semi-Skirted, Straight Edges, with Barcode (A12)	Natural	10 x 10	I1402-9800-BC	£383.10
96-Well PCR Plate, Semi-Skirted, for Roche® Lightcycler, with Barcode (H12)	White	10 x 10	I1402-9909-BC	£383.10
96-Well PCR Plate, Semi-Skirted, Raised Rim, with Barcode (A12)	Natural	10 x 10	E1403-8200-BC	£383.10

96-Well Skirted PCR Plate, Barcoded				
Description (Cut Corner)	**Colour**	**Pack Size**	**Cat. No.**	**Price**
96-Well PCR Plate, Skirted, Low-Profile, with Barcode (A12)	Natural	10 x 10	E1403-5200-BC	£383.10

384-Well Skirted PCR Plates, Barcoded				
Description (Cut Corner)	**Colour**	**Pack Size**	**Cat. No.**	**Price**
384-Well PCR Plate, ABI/Universal-Style, Skirted, with Barcode (A24)	Natural	10 x 10	E1042-3840-BC	£498.64
384-Well PCR Plate for Roche Lightcycler, Skirted, with Barcode (A24/P24)	Natural	10 x 10	E1042-9900-BC	£498.64

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

I1402-9700

Plate capacities:
Approx. maximum capacity for 96-well plates:
350 µl for standard height plates
200 µl for low-profile plates

I1402-9800

C **CASE SIZES (100 plates) available at discount!** To order by the case, add **-C** to the end of the Cat. No.

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

FREE SAMPLE TRY before you BUY available on request

Semi-Skirted PCR Plates

Description (Cut Corner)	Colour	Pack Size	Cat. No.	Price
Low-Profile				
96-Well PCR Plate, Semi-Skirted, Low-Profile (A12)	Natural	10	E1403-6200 C	£33.57
96-Well PCR Plate, Semi-Skirted, Low-Profile (A12)	White	10	E1403-6209 C	£33.57
Standard Height				
96-Well PCR Plate, Semi-Skirted (A12)	Natural	10	I1402-9700 C	£33.57
96-Well PCR Plate, Semi-Skirted (A12)	Blue	10	I1402-9701	£33.57
96-Well PCR Plate, Semi-Skirted (A12)	Black	10	I1402-9708 C	£33.57
96-Well PCR Plate, Semi-Skirted (A12)	White	10	I1402-9709	£33.57
96-Well PCR Plate, Semi-Skirted (A12)	Mixed**	10	I1402-9799	£33.57
96-Well PCR Plate, Semi-Skirted, Straight Edges (A12)	Natural	10	I1402-9800	£33.57
96-Well PCR Plate, Semi-Skirted, Straight Edges (A12)	White	10	I1402-9809 C	£33.57
96-Well PCR Plate, Semi-Skirted, for Roche® Lightcycler® (H12)	White	10	I1402-9909 C	£33.57
Sealing Mat				
Silicone Sealing Mat (Autoclavable)*	Natural	5	E1403-0000	£31.00

***NOTE:** Sealing mat E1403-0000 is not suitable for qPCR. Above plates can also be sealed with PCR strip caps (page 90), or the plate seals suitable for PCR (pages 107–108). For an overview of PCR plate sealing options, see page 100.
**Mixed pack contains two plates of the following colours: blue, green, red, violet, yellow.

Semi-Skirted PCR Plates with Raised Rim

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 C	£33.57
96-Well PCR Plate, Semi-Skirted, Raised Rim (A12)	White	10	E1403-8209	£33.57
Plate for FAST® Systems				
96-Well PCR Plate, Semi-Skirted, Raised Rim, Low Profile (for FAST® Systems) (A1)	Natural	10	E1403-7700 C	£30.90
96-Well PCR Plate, Semi-Skirted, Raised Rim, Low Profile (for FAST® Systems) (A1)	White	10	E1403-7709 C	£33.57
Sealing Mat				
Silicone Sealing Mat (Autoclavable)*	Natural	5	E1403-0000	£31.00

***NOTE:** Sealing mat E1403-0000 is not suitable for qPCR. Above plates can also be sealed with PCR strip caps (page 90), or the plate seals suitable for PCR (pages 107–108). For an overview of PCR plate sealing options, see page 100.

www.starlab.click/**pcrplates**

Skirted PCR Plates

E1403-5200

96-Well Skirted PCR Plates

- 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

FREE SAMPLE TRY before you BUY available on request

Plate capacities:
Approx. maximum capacity for 96-well plates:
350 µl for standard height plates
200 µl for low-profile plates

E1403-5200

96-Well Skirted PCR Plates				
Description (Cut Corner)	**Colour**	**Pack Size**	**Cat. No.**	**Price**
Low-Profile				
96-Well PCR Plate, Skirted, Low-Profile (A12)	Natural	10	E1403-5200 C	£33.57
96-Well PCR Plate, Skirted, Low-Profile (A12)	Black	10	E1403-5208	£33.57
96-Well PCR Plate, Skirted, Low-Profile (A12)	White	10	E1403-5209	£33.57
Sealing Mat				
Silicone Sealing Mat (Autoclavable)*	Natural	5	E1403-0000	£31.00

***NOTE:** Sealing mat E1403-0000 is not suitable for qPCR. Above plates can also be sealed with PCR strip caps (page 90), or the plate seals suitable for PCR (pages 107–108). For an overview of PCR plate sealing options, see page 100.

E1042-3840

384-Well Skirted PCR Plates

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

384-Well Skirted PCR Plates				
Description (Cut Corner)	**Colour**	**Pack Size**	**Cat. No.**	**Price**
384-Well PCR Plate, ABI®/Universal-Style, Skirted (A24)	Natural	10	E1042-3840 C	£58.01
384-Well PCR Plate, ABI®/Universal-Style, Skirted (A24)	White	10	E1042-3849	£58.01
384-Well PCR Plate for Roche® Lightcycler®, Skirted (A24,P24)	White	10	E1042-9909 C	£69.69
384-Well PCR Plate, Skirted (40 µl), (A24,P24)	Natural	10	E1042-2500	£38.68
384-Well PCR Plate, Skirted (35 µl), (A24)	Natural	10	E1042-3000	£38.68
Sealing Mat				
Silicone Sealing Mat for 384-Well Plates*	Natural	10	E1042-2350	£32.23

Volumes stated are approximate.
*Sealing mat E1042-2350 is not suitable for qPCR. Plates seals suitable for PCR/qPCR can be found on pages 107–108.

C CASE SIZES (x10 packs) available at discount! To order by the case, add **-C** to the end of the Cat. No.

PCR Plate-Cycler Compatibility

		Non-Skirted Plates					Semi-Skirted Plates						Skirted Plates				
	Raised Rim:					✓	✓										
	Elevated Wells:					✓											
	Low-Profile:			✓			✓	✓					✓				
	No. of Wells:	**96**	**96**	**96**	**96**	**96**	**96**	**96**	**96**	**96**	**96**	**96**	**96**	**384**	**384**	**384**	**384**
		B1402-0595	E1403-0100	E1403-0200*	E1403-1200*	E1403-2200*	E1403-6200*	E1403-7700*	E1403-8200*	I1402-9700*	I1402-9800*	I1402-9909	E1403-5200*	E1042-2500	E1042-3000	E1042-3840*	E1042-9909
APPLIED BIOSYSTEMS																	
Thermal Cyclers	2700	✓	✓		✓	✓			✓	✓	✓			✓	✓	✓	
	2720 and 6100								✓								
	9600	✓	✓		✓	✓			✓	✓	✓						
	9700	✓	✓		✓	✓			✓	✓	✓			✓	✓	✓	
	9800 FAST							✓									
	Veriti 0.1ml							✓									
	Veriti 0.2ml								✓		✓						
	Veriti 384															✓	
Real-Time Thermal Cyclers	5700, 7300, 7500		✓		✓				✓	✓	✓						
	PRISM 7000		✓		✓				✓	✓	✓						
	7500 FAST							✓									
	7700		✓		✓				✓	✓	✓						
	7900 HT		✓		✓		✓		✓	✓					✓		
	7900 HT FAST							✓									
	7900 HT 384 Well															✓	
	Quant Studio 12K Flex								✓							✓	
	StepOne Plus							✓									
	viiA7								✓							✓	
Sequencers	PRISM 310		✓		✓	✓			✓	✓	✓						
	PRISM 3100		✓		✓	✓			✓	✓	✓				✓	✓	
	3130 (XL)		✓		✓	✓			✓	✓	✓				✓	✓	
	3500 (XL)							✓	✓							✓	
	3700		✓		✓	✓			✓	✓	✓			✓	✓	✓	
	PRISM 3730(XL)		✓		✓	✓			✓	✓	✓			✓	✓	✓	
AMERSHAM																	
Sequencers	MegaBACE 500												✓				
	MegaBACE 1000					✓[1]							✓				
	MegaBACE 4000															✓	
BECKMAN																	
Sequencers	CEQ		✓		✓												
BIOMETRA																	
Thermal Cyclers	Uno	✓	✓	✓	✓	✓				✓	✓		✓				
	Uno II	✓	✓	✓	✓	✓				✓	✓			✓	✓	✓	
	T1 Thermocycler, Trobot	✓	✓	✓	✓	✓				✓	✓		✓	✓	✓	✓	
	Tgradient	✓	✓	✓	✓	✓				✓	✓		✓	✓	✓		
	T3000 & TProfessional		✓	✓	✓								✓			✓	
Real-Time	Toptical		✓	✓	✓								✓			✓	
BIO-RAD/MJ RESEARCH																	
Thermal Cyclers	C1000/S1000		✓	✓	✓						✓		✓			✓	✓
	DNA Engine range		✓	✓	✓						✓		✓			✓	✓
	Dyad / Dyad Disciple	✓	✓	✓	✓	✓					✓		✓		✓	✓	
	Gene Cycler		✓		✓	✓			✓	✓							
	iCYCLER	✓	✓		✓	✓					✓		✓				
	Mini Gradient		✓	✓	✓												
	MyCycler		✓		✓	✓					✓						
	Personal		✓		✓						✓						
	PTC-100, PTC-200, PTC 225-Tetrad	✓	✓	✓	✓	✓					✓		✓		✓	✓	
	T100		✓		✓				✓								
Real-Time Thermal Cyclers	OPTICON / OPTICON 2		✓	✓	✓								✓				
	CFX96												✓				
	CFX384															✓	✓
	CFX Connect			✓							✓		✓				
	Chromo-4			✓									✓				
	ICycler		✓		✓	✓					✓		✓			✓	
	iQ5 & MyiQ		✓		✓	✓					✓		✓				
Sequencer	BaseStation												✓				

[1] Suitable for use on machines manufactured before July 2000 only.

FREE SAMPLE TRY before you BUY available on request

		Non-Skirted Plates					Semi-Skirted Plates						Skirted Plates				
Raised Rim:								✓	✓								
Elevated Wells:						✓											
Low-Profile:				✓			✓	✓					✓				
No. of Wells:		**96**	**96**	**96**	**96**	**96**	**96**	**96**	**96**	**96**	**96**	**96**	**96**	**384**	**384**	**384**	**384**
		B1402-0595	E1403-0100	E1403-0200*	E1403-1200*	E1403-2200*	E1403-6200*	E1403-7700*	E1403-8200*	I1402-9700*	I1402-9800*	I1402-9909	E1403-5200*	E1042-2500	E1042-3000	E1042-3840*	E1042-9909
CORBETT																	
Thermal Cyclers	PalmCycler 96	✓									✓		✓				
	PalmCycler 384													✓	✓	✓	
EPPENDORF																	
Thermal Cyclers	Mastercycler		✓	✓	✓	✓					✓		✓				
	Mastercycler ep Gradient	✓	✓		✓	✓			✓	✓	✓		✓				
	Mastercycler Nexus & Nexus Eco		✓	✓	✓						✓		✓				
	Mastercycler Nexus Gradient		✓	✓	✓						✓		✓				
	Mastercycler Personal	✓															
	Mastercycler Pro		✓		✓						✓		✓			✓	
	Mastercycler M384													✓	✓	✓	
Real-Time	Mastercycler ep Realplex		✓		✓			✓	✓		✓		✓				
ERICOM																	
Thermal Cyclers	Delta Cycler I	✓	✓	✓	✓	✓					✓						
	Delta Cycler II	✓	✓	✓	✓	✓	✓		✓	✓							
	Power Block I		✓	✓	✓	✓	✓		✓	✓							
	Single Block & Twin Block	✓	✓	✓	✓	✓					✓						
ESCO / FLEXI																	
Thermal Cyclers	Swift		✓		✓	✓					✓					✓	
	Gene		✓		✓	✓					✓		✓	✓	✓	✓	
	Genius		✓		✓	✓					✓		✓	✓	✓		
G-STORM																	
Thermal Cyclers	GS1, GS2 & GS4		✓	✓	✓	✓	✓		✓	✓	✓						
	GSX & GSXs		✓	✓	✓	✓	✓		✓	✓	✓						
MWG																	
Thermal Cyclers	Primus 96	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓				
	Primus 384													✓	✓	✓	
ROCHE																	
Real-Time	LightCycler 96											✓					✓
	LightCycler 480											✓				✓	
STRATAGENE																	
Thermal Cyclers	Robocycler 96	✓	✓		✓						✓						
	Robocycler Gradient		✓	✓	✓	✓	✓		✓	✓	✓		✓				
	SureCycler 8800			✓													
Real-Time	Mx3005P & Mx4000		✓	✓	✓	✓	✓		✓	✓							
TaKaRa																	
Thermal Cyclers	TP240												✓				
	TP3000	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓				
Techne																	
Thermal Cyclers	Cyclogene	✓	✓	✓	✓	✓	✓		✓	✓	✓						
	Genius & Genius Quad	✓	✓	✓	✓	✓	✓		✓	✓	✓						
	Genius (TC412)		✓	✓	✓	✓	✓		✓	✓	✓		✓				
	Flexigene		✓	✓	✓	✓	✓		✓	✓	✓		✓			✓	
	Touchgene	✓	✓	✓	✓	✓	✓		✓	✓	✓						
	Touchgene X		✓	✓	✓				✓	✓	✓		✓	✓	✓	✓	
	Touchgene Gradient (TC512)		✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓	
Real-Time	PrimeQ			✓													
	Quantica			✓									✓				
THERMO HYBAID																	
Thermal Cyclers	PCR Sprint		✓	✓	✓	✓	✓		✓	✓	✓		✓				
	MBS Satelite (Multiblock) System		✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓	
	Px2 & PxE		✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓	
	PCR Express & Omni-E	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓	
	Touchdown & Omnigene	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓	
TRANSGENOMIC																	
Sequencer	WAVE System												✓				

Individual cycler–plate combinations intended as a guide only, with no guarantee. STARLAB cannot accept any responsibility for any information given. Samples of all plates are available before purchase for you to confirm compatibility. Low-profile and 384-well plates are compatible with designated thermal blocks only. STARLAB recognises the trade names of all cyclers and sequencers in this table belong to their respective owners.
*Cat. No. of natural plate shown only; plates also available in opaque black and/or white that fit the same thermal cyclers.

PCR Plate-Sealing Overview

What are my options?

24- and 48-Well Plates
- 8-strip caps

96-Well Plates
- 8-strip caps
- 12-strip caps
- Sealing mats for 96-well plates
- Plate seals (unless plate has raised wells)

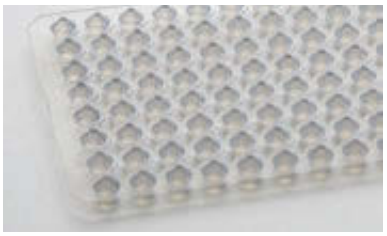
384-Well Plates
- Sealing mats for 384-well plates
- Plate seals

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. (8-strip caps only 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 seal when using thermal cyclers with a screw down lid. Use the flat, 'X-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 90.



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 94–97.

Sealing Films & Foils

Self-Adhesive

Five self-adhesive seals offered by STARLAB are suitable for standard PCR (aluminium, clear polypropylene and clear polyolefin).

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 107.**

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 108 for specifications and ordering details.

FREE SAMPLE TRY before you BUY available on request

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: See the Plate–Cycler Compatibility chart on pages 98–99 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 self-adhesive seal or a heat seal – see pages 107–108 for details.

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

PlateOne® Deepwell Plates

Features

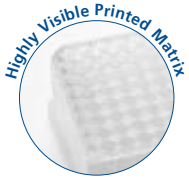
- Virgin polypropylene
- Highly visible, printed matrix
- SBS footprint
- Barcoded plates available on request
- Rated up to 5000 x g
- Temperature use: -80°C to 121°C
- Autoclavable
- Supplied in resealable bags
- Certified RNase, DNase , DNA & Pyrogen free

0.5ml & 1.0ml 96-Well Plates

WELL SHAPE	WELL BOTTOM	CORNER CUT
○	U	1A

2.0ml 96-Well Plate

WELL SHAPE	WELL BOTTOM	CORNER CUT
□	V	1A



200µl 384-Well Plate

WELL SHAPE	WELL BOTTOM	CORNER CUT
□	V	1A

96 Deepwell Plates

Description	Pack Size	Cat. No.	Price
0.5 ml, Round Wells, Round Bottom			
0.5 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms	4 x 8	S1896-5800	£144.28
0.5 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Bulk)	32	S1896-5000	£124.51
0.5 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Sterile), Individually Wrapped	32	S1896-5110	£162.44
DMSO Resistant Polyolefin Sealing Mat for 96-Well with Round Wells	24	B1494-1224	£86.70
1.0 ml, Round Wells, Round Bottom			
1.0 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms	4 x 5	S1896-1800	£90.91
1.0 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Bulk)	20	S1896-1000	£85.28
1.0 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Sterile), Individually Wrapped	20	S1896-1110	£102.93
DMSO Resistant Polyolefin Sealing Mat for 96-Well with Round Wells	24	B1494-1224	£86.70
2.0 ml, Square Wells, V-Shaped Bottom			
2.0 ml PlateOne® 96 Deepwell Plate, Square Wells with V-Shape Bottoms	4 x 5	S1896-2800	£102.93
2.0 ml PlateOne® 96 Deepwell Plate, Square Wells with V-Shape Bottoms (Bulk)	20	S1896-2000	£92.07
2.0 ml PlateOne® 96 Deepwell Plate, Square Wells with V-Shape Bottoms (Sterile), Individually Wrapped	20	S1896-2110	£113.65
DMSO Resistant Polyolefin Sealing Mat for 96-Well with Square Wells	24	B1494-1124	£86.70
Piercable Sealing Mat for 96-Well with Square Wells	5	E2896-1801	£35.24

Plate dimensions (WxDxH): 0.5 ml: 127.8 x 85.5 x 27.10 mm. 1.0 & 2 ml: 127.8 x 85.5 x 44.10 mm.
PlateOne® Plates can be sealed with the designated Sealing Mats listed, or with the Plate Seals on pages 107–108.

384 Deepwell Plates

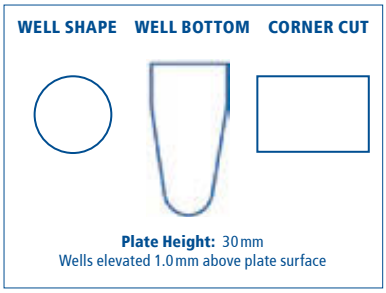
Description	Pack Size	Cat. No.	Price
200 µl PlateOne® 384 Deepwell Plate, Square Wells with V-Shape Bottoms	4 x 10	S1884-2400	£216.01
200 µl PlateOne® 384 Deepwell Plate, Square Wells with V-Shape Bottoms (Bulk)	40	S1884-2000	£189.51
200 µl PlateOne® 384 Deepwell Plate, Square Wells with V-Shape Bottoms (Sterile), Individually Wrapped	40	S1884-2410	£238.29
Autoclavable, DMSO Resistant Sealing Mat for 384-Well Plates with Square Wells, Blue	24	B1494-1024	£89.25

Plate dimensions (WxDxH): 127.8 x 85.5 x 25.10 mm.
PlateOne® Plates can be sealed with the designated Sealing Mats listed, or with the Plate Seals on pages 107–108.

96-Well Deepwell Plates

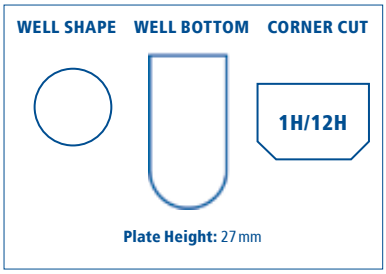
Features

- 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



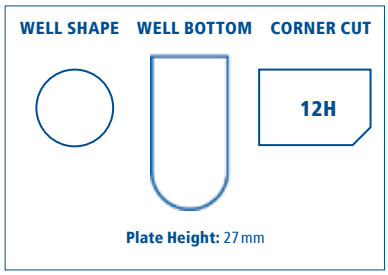
0.6 ml, Low-Profile, Round Wells			
Description	**Pack Size**	**Cat. No.**	**Price**
0.6 ml 96 Deepwell Plate, Round Wells with Conical Bottoms	5	E2896-0600	£14.94
Sealing Mats			
Piercable Sealing Mat for 0.6ml Deepwell Plates with 96 Round Wells	10	E2896-6600	£32.23

Certified RNase and DNase free.



1.1 ml, Low-Profile, Round Wells (Sterile)			
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	£40.61
Sealing Mats			
Piercable, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Round Wells	10	E2896-1100	£33.84
Piercable, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Round Wells (Sterile)	2 x 5	E2896-1110	£40.59

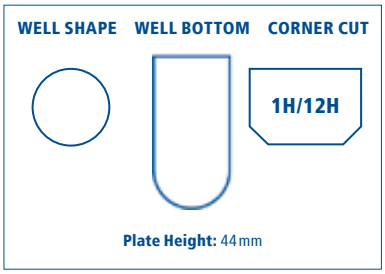
Certified RNase and DNase free.



1.2 ml, Low-Profile, Round Wells			
Description	**Pack Size**	**Cat. No.**	**Price**
1.2 ml 96 Deepwell Plate, Round Wells, Round Bottoms, Low-Profile	50	E2896-0120	£152.03
Sealing Options			
Pierceable TPE Sealing Mat for 1.2ml 96 Deepwell Plates with Round Wells	50	E2896-0320	£173.40
Pierceable TPE 8-Strip Caps for 96 Deepwell Plates with Round Wells	1000 Strips	E1780-8400	£185.79

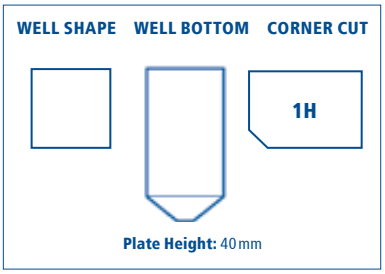
Deepwell plate sealing options
Deepwell plates can be sealed with the designated sealing mat listed in the plate's ordering table, or with the plate seals on pages 107–108.

FREE SAMPLE TRY before you BUY available on request

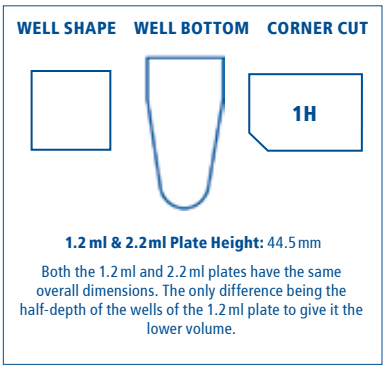


2.0 ml, Round Wells			
Description	**Pack Size**	**Cat. No.**	**Price**
2.0 ml 96 Deepwell Plate, Round Wells with Round Bottoms,	10	E2896-2100	£44.70
2.0 ml 96 Deepwell Plate, Round Wells with Round Bottoms (Sterile)	2 x 5	E2896-2110	£56.83
Sealing Mats			
Piercable, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Round Wells	10	E2896-1100	£33.84
Piercable, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Round Wells (Sterile)	2 x 5	E2896-1110	£40.59

Certified RNase and DNase free.

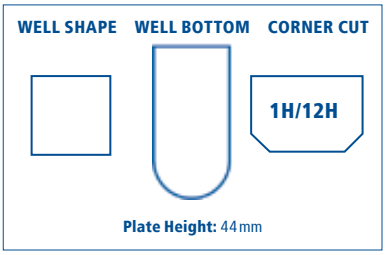


2.2 ml, Square Wells			
Description	**Pack Size**	**Cat. No.**	**Price**
2.2 ml 96 Deepwell Plate, Square Wells with V-Shaped Bottoms	50	E2896-0220	£164.19
Sealing Mat			
Piercable TPE Sealing Mat for 2.2 / 2.5 ml 96 Deepwell Plates with Square Wells	20	E2896-2501	£53.03



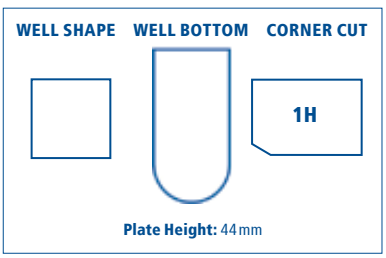
1.2 ml and 2.2 ml, Square Wells			
Description	**Pack Size**	**Cat. No.**	**Price**
1.2 ml Deepwell Plate			
1.2 ml 96 Deepwell Plate, Square Wells with Conical Bottoms	10	E2896-1820	£33.84
2.2 ml Deepwell Plate			
2.2 ml 96 Deepwell Plate, Square Wells with Conical Bottoms	10	E2896-1810	£37.93
Sealing Mat			
Piercable, Autoclavable Silicone Sealing Mat for 1.2 ml and 2.2 ml 96 Deepwell Plates with Square Wells	5	E2896-1801	£35.24

Certified RNase and DNase free.



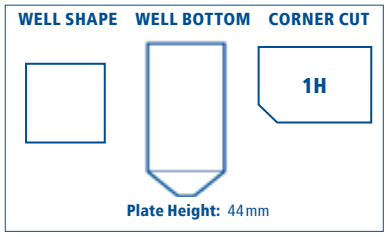
2.0 ml, Square Wells (Sterile)			
Description	**Pack Size**	**Cat. No.**	**Price**
2.0 ml 96 Deepwell Plate, Square Wells with Round Bottoms (Sterile)	5 x 5	E2896-0210	£146.22
Sealing Mat			
Piercable, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Square Wells	10	E2896-1200	£35.53

Certified RNase and DNase free.



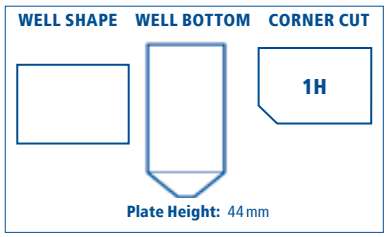
2.5 ml, Square Wells			
Description	**Pack Size**	**Cat. No.**	**Price**
2.5 ml 96 Deepwell Plate, Square Wells with Round Bottoms	20	E2896-2500	£121.62
Sealing Mat			
Piercable TPE Sealing Mat for 2.2 / 2.5 ml 96 Deepwell Plates with Square Wells	20	E2896-2501	£53.03

24-Well Deepwell Plates



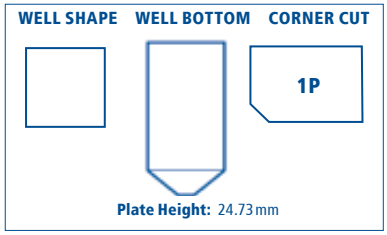
10 ml, Square Wells			
Description	**Pack Size**	**Cat. No.**	**Price**
10 ml 24 Deepwell Plate, Square Wells with V-Shape Bottoms	20	E2824-0000	£152.03
Sealing Mat			
Pierceable TPE Sealing Mat for 10 ml 24 Deepwell Plate	20	E2824-0001	£80.27

48-Well Deepwell Plates



5.0 ml, Rectangle Wells			
Description	**Pack Size**	**Cat. No.**	**Price**
5.0 ml 48 Deepwell Plate, Rectangle Wells with V-Shape Bottoms	20	E2848-0000	£152.03
Sealing Mat			
Pierceable TPE Sealing Mat for 5.0 ml 48 Deepwell Plates	20	E2848-0001	£80.27

384-Well Deepwell Plates



240 µl, Square Wells			
Description	**Pack Size**	**Cat. No.**	**Price**
240 µl 384 Deepwell Plate, Square Wells with V-Shape Bottoms	10	E2384-2400	£48.78

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 107–108.

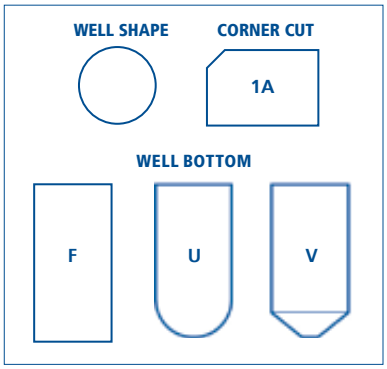
PlateOne® Microplates

Well-bottom shape indicator code on every plate for easy identification

PlateOne® 96-well microplates are available in three styles, all with a highly-visible 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
- Certified RNase, DNase, DNA & Pyrogen free



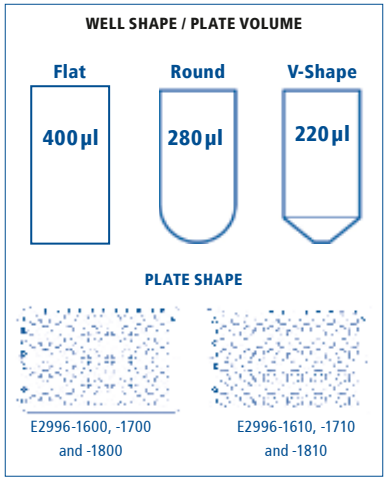
96-Well Microplates			
Description	**Pack Size**	**Cat. No.**	**Price**
Flat Bottom (F) Plates, max. Working Volume 370 µl			
PlateOne® 96-Well Microplate, Round Wells with Flat Bottoms,	4 x 20	S1837-9600	£148.90
PlateOne® 96-Well Microplate, Round Wells with Flat Bottoms (Sterile)	4 x 20	S1837-9610	£167.80
Round Bottom (U) Plates, max. Working Volume 320 µl			
PlateOne® 96-Well Microplate, Round Wells with Round Bottoms	4 x 20	S1830-9600	£148.90
PlateOne® 96-Well Microplate, Round Wells with Round Bottoms (Sterile)	4 x 20	S1830-9610	£167.80
Conical Bottom (V) Plates, max. Working Volume 320 µl			
PlateOne® 96-Well Microplate, Round Wells with Conical Bottoms	4 x 20	S1833-9600	£148.90
PlateOne® 96-Well Microplate, Round Wells with Conical Bottoms (Sterile)	4 x 20	S1833-9610	£167.80
Sealing Mat			
DMSO Resistant Polyolefin Sealing Mat for 96-Well with Round Wells	24	B1494-1224	£86.70

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

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

www.starlab.click/**plateone**

Polystyrene Microplates



Sealing options: Can also be sealed with plate seals suitable for PS plates on pages 107–108.

Ultra clear polystyrene microplates

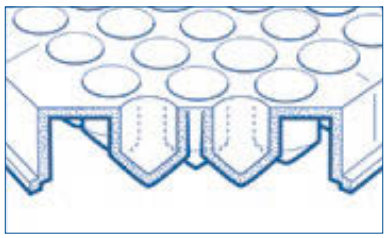
- Crystal clear polystyrene (PS)
- Aseptically produced plates in convenient mini-packs
- Individually-wrapped, sterile (irradiated) plates.
- Lids available separately

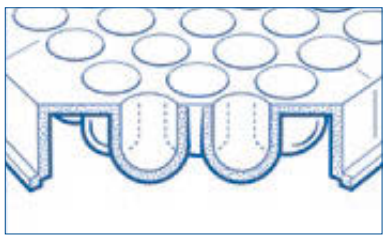
Three different well bottoms: FLAT: for optical reading eg. non-UV spectrophotometers, and **ELISA Applications** where pre-treated plates are not needed; ROUND & V-SHAPED when total sample recovery is required.

Polystyrene Microplates			
Description	**Pack Size**	**Cat. No.**	**Price**
Sterile[1]			
96-Well Microplate, Round Wells, Flat Bottom, PS (Sterile[1])	20 x 5	E2996-1600	£48.78
96-Well Microplate, Round Wells, Round Bottom, PS (Sterile[1])	20 x 5	E2996-1700	£47.38
96-Well Microplate, Round Wells, V-Shape Bottom, PS (Sterile[1])	20 x 5	E2996-1800	£47.38
PS Lid for 96-Well PS Microplates (Sterile[1])	20 x 5	E2996-1900	£47.38
Sterile[2], Individually-Wrapped			
96-Well Microplate, Round Wells, Flat Bottom, PS (Sterile[2]), Individually-Wrapped	50	E2996-1610	£51.46
96-Well Microplate, Round Wells, Round Bottom, PS (Sterile[2]), Individually-Wrapped	50	E2996-1710	£51.46
96-Well Microplate, Round Wells, V-Shaped Bottom, PS (Sterile[2]), Individually-Wrapped	50	E2996-1810	£51.46
PS Lid for 96-Well PS Microplates (Sterile), Ind. Wrapped	50	E2996-1910	£40.61

[1]Aseptically produced in a fully-automated and bio-burden controlled environment. [2]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.

Polypropylene Assay Plates





Sealing options: Can also be sealed with plate seals suitable for PP plates on pages 107–108.

Polypropylene (PP) plates, certified RNase, DNase and Pyrogen free.

Polypropylene Assay Plates			
Description	**Pack Size**	**Cat. No.**	**Price**
V-Shape Bottoms			
480 µl Assay Plate, 96 Round Wells with V-Shape Bottoms	10	E2996-1500	£21.71
Round Bottoms			
500 µl Assay Plate, 96 Round Wells with Round Bottoms	10	E2996-0500	£21.71
Sealing Mats			
Piercable, Autoclavable Silicone Sealing Mat for Plates with Round Wells	10	E2896-1100	£33.84
Piercable, Autoclavable Silicone Sealing Mat for Plates with Round Wells (Sterile)	2 x 5	E2896-1110	£40.59

Plate dimensions (WxDxH): 127.76 x 85.48 x 14.35 mm.

Self-Adhesive Plate Seals

	Self-Adhesive Plate Seals							
	Thick (60 µm) Aluminium Seal, (PCR)	Aluminium StarSeal (PCR)*	Clear Polypropylene Seal (PCR)	Clear Polyolefin StarSeal (PCR)*	X-Clear Advanced Polyolefin StarSeal (qPCR)*	Polyester Seal	Polyethylene Seal	Breathable Film
Ordering Info: (Non-sterile)	E2796-0792 £41.92 100 Seals	E2796-9792 £44.13 100 Seals	E2796-0793 £41.92 100 Seals	E2796-9793 £44.19 100 Seals	E2796-9795 £123.70 100 Seals	E2796-0794 £35.25 100 Seals	E2796-0796 £27.97 100 Seals	E2796-3005 £74.45 100 Seals
Ordering Info: (Sterile)	n/a	n/a	n/a	n/a	n/a	E2796-0714 £50.06 100 Seals	n/a	E2796-3015 £45.59 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)					✓			
Short-term storage and incubation	✓	✓	✓	✓	✓	✓	✓	✓
Easy to pierce with needle or metal probe	✓	✓	✓				✓	
Easy to pierce with pipette tip	✓	✓	✓				✓	
Low 'tack to touch' adhesive[1]**					✓			
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 °C*	-70 °C*	-40 °C	-40 °C	4 °C
Maximum temp. use	120 °C	110 °C	120 °C	110 °C	110 °C	65 °C	40 °C	40 °C

*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.

[1] **X-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 peformance of E2796-9795 against a leading brand's seal.

FREE SAMPLE TRY before you BUY available on request

Sealing Accessories

Seal Applicator
Polyethylene applicator for use with self-adhesive plate seals.
I2928-7355 £9.32 pack of 5

Sealing Brayer
Soft rubber roller for use with self-adhesive plate seals.
E9127-2940 £26.56 each

Heat-Sealing Plate Seals

	Heat-Sealing Plate Seals		
	Peelable Film (PCR)	Easy Pierce Film (PCR)	Optically Clear Film (qPCR)
Ordering Info: (Non-sterile)	E2796-3060 £40.80 25 Seals	E2796-3090 £28.56 25 Seals	E2796-3020 £183.60 100 Seals
Colour	White	Silver	Clear
Heat seal	✓	✓	✓
Opaque	✓	✓	
Optically clear			✓
Superior optical clarity			✓
Suitable for PCR	✓	✓	✓
Suitable for Real-Time PCR (qPCR)			✓
Short-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

FREE SAMPLE TRY before you BUY available on request

Parafilm® Sealing Film

I3080-1075

I3080-5075

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.

Parafilm			
Description	**Pack Size**	**Cat. No.**	**Price**
Parafilm® (50 mm Wide x 75 m Long)	1 Roll	I3080-5075	£31.17
Parafilm® (100 mm Wide x 38 m Long)	1 Roll	I3080-1038	£37.62
Parafilm® (100 mm Wide x 75 m Long)	1 Roll	I3080-1075	£53.91

www.starlab.click/**parafilm**

Autoclave Tape & Bags

Autoclave tape

Autoclave Tape			
Description	**Pack Size**	**Cat. No.**	**Price**
Autoclave Tape (50 m Long x 18 mm Wide)	4	E3300-0000	£27.07
Autoclave Tape (50 m Long x 25 mm Wide)	4	E3300-0001	£30.41

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

Autoclave Bags			
Description	**Pack Size**	**Cat. No.**	**Price**
Autoclave Bag, 310 x 660 mm	200	E3300-3166	£43.29
Autoclave Bag, 415 x 600 mm	200	E3300-4070	£47.38
Autoclave Bag, 610 x 810 mm	200	E3300-6078	£87.99

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.

E1412-4150 E1412-4160 E1412-4450 E1412-4250 E1412-4451

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.

Cuvettes			
Description	**Pack Size**	**Cat. No.**	**Price**
1.5 ml SemiMicro Cuvette, Square, Polystyrene	5 x 100	E1412-4150	£59.64
1.6 ml Half Micro Cuvette, Transparent, Square, Polystyrene	5 x 100	E1412-4160	£59.64
4.5 ml Macro Cuvette, Square, Polystyrene	5 x 100	E1412-4450	£62.32
2.5 ml SemiMicro Cuvette, Square, UV Grade PMMA	5 x 100	E1412-4250	£81.22
4.5 ml Macro Cuvette, Transparent, Square, UV Grade PMMA	5 x 100	E1412-4451	£81.22

Reagent Reservoirs

Reusable Polypropylene Reservoir

StarTub PP

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

Dimensions (WxDxH):
147 x 60 x 33 mm

Description	Volume	Pack Size	Cat. No.	Price
StarTub Reagent Reservoir (PP)	50 – 60 ml	10	S4026-5806	£16.22

Disposable PVC Reservoir

StarTub PVC

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

Dimensions (WxDxH):
150 x 67 x 25 mm

Description	Volume	Pack Size	Cat. No.	Price
StarTub Reagent Reservoir (PVC)	55 ml	100	E2310-1000	£17.14

Disposable PS Reservoirs

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

Description	Volume	Pack Size	Cat. No.	Price
StarTub Reagent Reservoir (PS), (Sterile) Single-Wrap	25 ml	50	E2310-1025	£33.04
StarTub Reagent Reservoir (PS), (Sterile) Single-Wrap	55 ml	50	E2310-1010	£29.45
StarTub Reagent Reservoir (PS), (Sterile) Single Wrap	100 ml	50	E2310-1100	£36.40
StarTub Reagent Reservoir (PS), Bulk	100 ml	100	E2310-2000	£48.53

CAPP® Origami Reservoirs

CAPP® Origami Reservoirs

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

The V-shaped bottom helps prevent bubbles forming and save on reagents.

Description	Volume	Pack Size	Cat. No.	Price
CAPP® Origami Reagent Reservoir	30 ml	50	CA-40505	£29.50
CAPP® Origami Reagent Reservoir	40 ml	50	CA-40510	£34.42

3-Way Reusable Polypropylene Reservoir

Three-Way Reservoir

Reusable multi-purpose white polypropylene reservoir that comprises:

8-channel reservoir (8 x 5.0 ml)

12-channel reservoir (12 x 5.0 ml

Graduated single reservoir (50 ml)

All wells have V-shaped bottom. Autoclavable.

Dimensions (WxDxH):
111 x 112 x 28 mm

Description	Pack Size	Cat. No.	Price
3-Way Reusable Reagent Reservoir	10	E2310-1812	£17.19

12-Channel Reservoir

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

Description	Volume	Pack Size	Cat. No.	Price
12-Channel Reagent Reservoir	12 x 22 ml	5	E2310-1200	£20.68

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

ChannelMate™

Description	Pack Size	Cat. No.	Price
ChannelMate™ 25 ml System			
25 ml ChannelMate™ Reservoir System (Sterile)	200*	E1306-2510	£137.70
25 ml ChannelMate™ Insert (Sterile)	50	E1346-2510	£34.68
25 ml ChannelMate™ Base	10	E1306-2590	£61.20
ChannelMate™ 100 ml System			
100 ml ChannelMate™ Reservoir System (Sterile)	200*	E1306-1010	£137.70
100 ml ChannelMate™ Insert (Sterile)	50	E1346-1010	£34.68
100 ml ChannelMate™ Base	10	E1306-1090	£61.20

*Pack contains one base plus 200 inserts (supplied 4 bags of 50 inserts).

Loops & Spreaders

Loops

Sterile polystyrene loops with very flexible loop, with rounded tip.

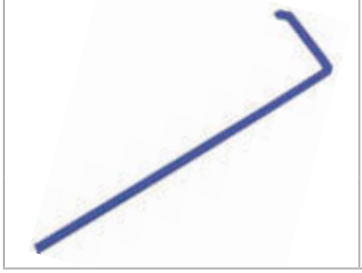
Available in three sizes, 1.0 µl, 5.0 µl and 10 µl.

Batch and expiry date printed on the bag.

Description	Pack Size	Cat. No.	Price	
1.0 µl Calibrated Loop, Soft Type (Sterile), Green	50 x 20	E1412-0111	£46.46	
1.0 µl Calibrated Loop, Rigid Type (Sterile), Blue	50 x 20	E1412-0112	£33.57	
5.0 µl Calibrated Loop, Soft Type, Sterile, Red	50 x 20	E1412-5014	£36.85	*New!*
5.0 µl Calibrated Loop, Rigid Type (Sterile), Blue	50 x 20	E1412-5012	£24.57	
10 µl Calibrated Loop, Soft Type (Sterile), Sky Blue	50 x 20	E1412-1011	£46.46	
10 µl Calibrated Loop, Rigid Type (Sterile), Blue	50 x 20	E1412-1012	£33.57	

NOTE: Not recommended for colony counting.

Spreaders



Base length allows spreading over any type of petri dish and avoids contact with dish walls.

Spreader extremity is curved to avoid damaging media surface while spreading.

Description	Pack Size	Cat. No.	Price
L-Shaped Spreader, PS (Sterile), Blue, Individually Wrapped	500	E1412-1001	£61.90
L-Shaped Spreader, PS (Sterile), Blue, Supplied in peel-packs of 5 spreaders	100 x 5	E1412-1005	£55.46
L-Shaped Spreader, PP (Sterile), Blue, Supplied in peel-packs of 25 spreaders	40 x 25	E1410-1025	£51.57

Pasteur Pipettes

STANDARD, GRADUATED PIPETTES

1.0 ml

3.0 ml

5.0 ml

EXTRA LONG PIPETTES

2.5 ml

7.0 ml

FINE TIP PIPETTES

1.0 ml

3.0 ml

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 non-toxic and inert
- Can be frozen in liquid nitrogen
- Sterile pipettes are supplied in peel-back packs printed with the Lot No. and expiration date

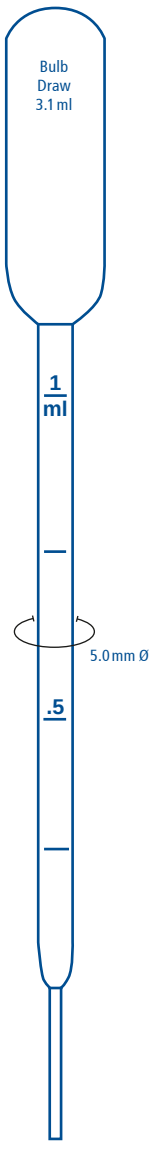
Pasteur Pipettes							
Description	**Graduations**	**Length**	**Bulb Draw**	**Stem Diam.**	**Pack Size**	**Cat. No.**	**Price**
Standard Pasteur Pipettes							
1.0 ml Graduated Pasteur Pipette	0.25 ml	154 mm	3.1 ml	5.0 mm	500	E1414-0100	£12.13
1.0 ml Graduated Pasteur Pipette (Sterile)					25 x 20	E1414-0110	£25.67
1.0 ml Graduated Pasteur Pipette (Sterile), Ind. Wrapped					500	E1414-0111	£39.20
3.0 ml Graduated Pasteur Pipette	0.5 ml	154 mm	3.2 ml	7.8 mm	500	E1414-0300	£12.13
3.0 ml Graduated Pasteur Pipette (Sterile)					25 x 20	E1414-0310	£25.67
3.0 ml Graduated Pasteur Pipette (Sterile), Ind. Wrapped					500	E1414-0311	£39.20
5.0 ml Graduated Pasteur Pipette	1.0 ml	216 mm	3.5 ml	8.0 mm	250	E1414-0500	£21.71
XL Pasteur Pipettes							
2.5 ml XL Pasteur Pipette	n/a	225 mm	2.3ml	5.0 mm	400	E1414-2500	£31.16
7.0 ml XL Pasteur Pipette	n/a	300 mm	7.1 ml	9.0 mm	100	E1414-0700	£36.52
Fine Tip Pasteur Pipettes							
1.0 ml Micro Fine Tip Pasteur Pipette	n/a	104 mm	1.0 ml	3.0 mm	400	E1414-1100	£52.74
New! 1.0 ml Micro Fine Tip Pasteur Pipette (Sterile), Ind. Wrapped	n/a	104 mm	1.0 ml	3.0 mm	400	E1414-1111	£170.27
3.0 ml Fine Tip Pasteur Pipette	n/a	144 mm	3.3 ml	5.0 mm	500	E1414-1300	£40.61
3.0 ml Fine Tip Pasteur Pipette (Sterile)					25 x 20	E1414-1310	£44.70
3.0 ml Fine Tip Pasteur Pipette (Sterile), Ind. Wrapped					500	E1414-1311	£108.29

NOTE: Volumetric tolerance of all pipettes is ±10%.

www.starlab.click/**pasteurs**

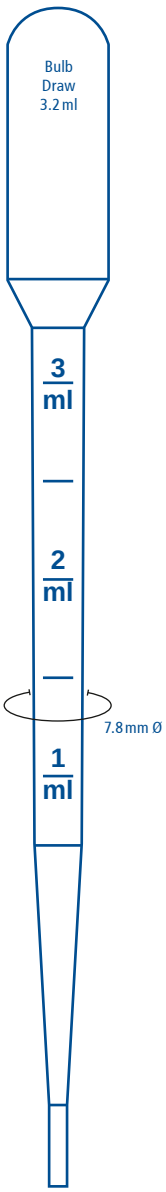
GRADUATED PIPETTES

1.0 ml



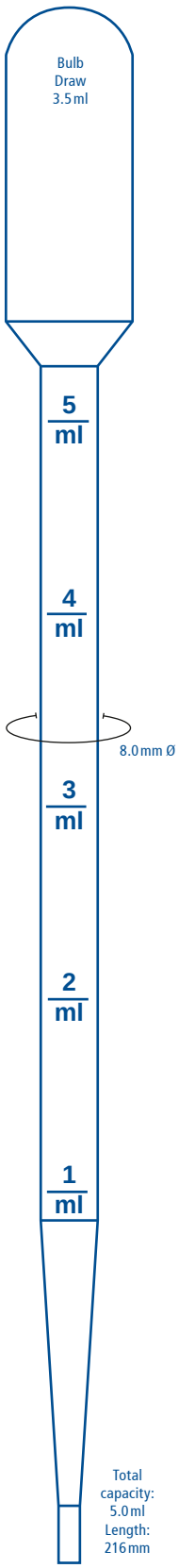
Total capacity: 5.0 ml
Length: 150 mm

3.0 ml



Total capacity: 7.0 ml
Length: 154 mm

5.0 ml

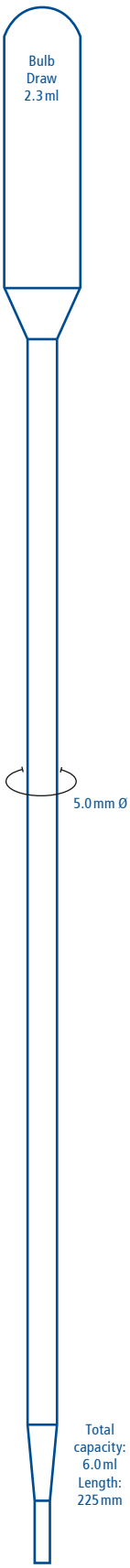


Total capacity: 5.0 ml
Length: 216 mm

All pipettes on this page shown approx. actual size, except 7.0 ml XL pipette where the length has been shortened to fit on page

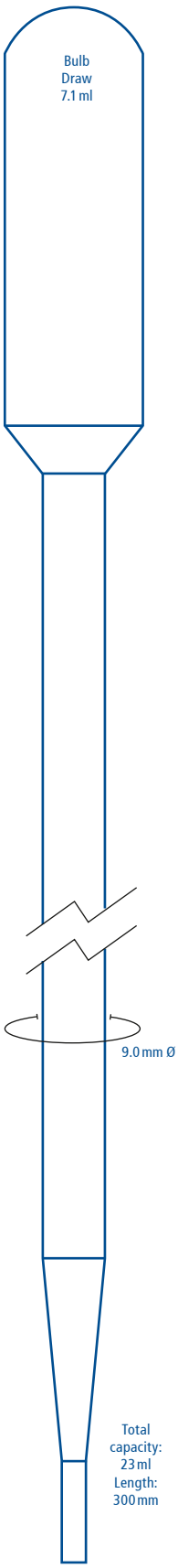
XL PIPETTES

2.5 ml



Total capacity: 6.0 ml
Length: 225 mm

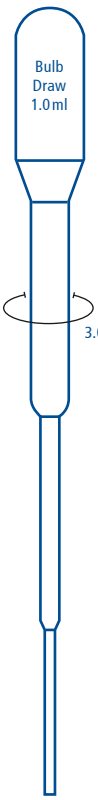
7.0 ml



Total capacity: 23 ml
Length: 300 mm

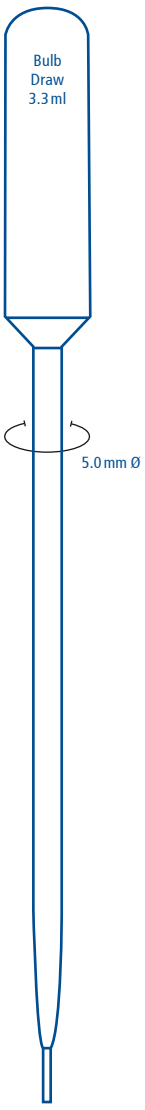
FINE TIP

1.0 ml



Total capacity: 1.5 ml
Length: 104 mm

3.0 ml



Total capacity: 5.0 ml
Length: 147 mm

FREE SAMPLE
TRY before you BUY
available on request

Spatulas & Weigh Boats

Disposable Spatulas

Spatulas feature a scoop end and a spatula end

Why risk the potential of cross-contamination with conventional spatulas! These single-use, polypropylene spatulas increase efficiency and reduce the risk of costly, accidental cross-contamination. Autoclavable.

Description	Pack Size	Cat. No.	Price
140 mm SmartSpatula®, Anti-Static	300	E1412-7200	£24.13
140 mm EcoSpatula®	300	E1412-7201	£37.27
210 mm SmartSpatula®, Blue	300	E1412-7202	£34.05
210 mm SmartSpatula®	300	E1412-7203	£34.05
210 mm SmartSpatula® (Sterile)	100	E1412-7204	£141.92
310 mm SmartSpatula®, Green	150	E1412-7205	£32.65

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

Anti-Static Weigh Boats

Manufactured from high impact polystyrene. Non wettable with smooth surgace and rounded corners. Wide rim boats, all with flat bottoms. Anti-static treatment minimises powder hang- up.

Available in white or black.

Description	Pack Size	Cat. No.	Price
White Weigh Boats			
5.0 ml Diamond Weigh Boat (40 x 60 mm)	4 x 250	E3300-0050	£23.10
7.0 ml Square Weigh Boat (44 x 44 mm)	4 x 250	E3300-0070	£23.10
30 ml Diamond Weigh Boat (65 x 87 mm)	2 x 250	E3300-0030	£24.33
100 ml Square Weigh Boat (80 x 80 mm)	4 x 250	E3300-0010	£47.43
100 ml Diamond Weigh Boat (126 x 100 mm)	250	E3300-0011	£25.54
250 ml Square Weigh Boat (138 x 138 mm)	4 x 250	E3300-0025	£91.22
New! **Black Weigh Boats**			
5.0 ml Diamond Weigh Boat (40 x 60 mm)	4 x 250	E3300-0058	£27.75
7.0 ml Square Weigh Boat (44 x 44 mm)	4 x 250	E3300-0078	£27.75
30 ml Diamond Weigh Boat (65 x 87 mm)	2 x 250	E3300-0038	£29.20
100 ml Square Weigh Boat (80 x 80 mm)	4 x 250	E3300-0018	£56.95
100 ml Diamond Weigh Boat (126 x 100 mm)	250	E3300-0118	£30.65
250 ml Square Weigh Boat (138 x 138 mm)	4 x 250	E3300-0028	£109.45

Cryogenic Labels

E9189-0099

StarTags CRYO

38 x 15 mm

9.5 mm Ø

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!

Cryogenic Labels

Description	Pack Size	Cat. No.	Price
9.5 mm diam. Cryogenic Spots, Mixed	5000 / Roll	E9189-0099	£43.48
StarTag Cryo (38 x 15 mm), White	1000 / Roll	E9189-3009	£28.41

NOTE: Labels must be applied to dry, unfrozen sample vials etc at room temperature.

Laboratory Labels

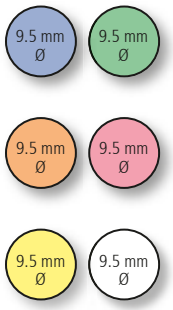
StarTags: One label you'll want to stick with!

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

SPOTS for the tops of tube caps for 1.5/2.0 ml tubes



All labels shown actual size

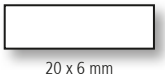
LARGE for 1.5 ml/2.0 ml tubes

32.5 x 12.5 mm

MEDIUM for 0.5 ml/0.65 ml tubes

24 x 12.5 mm

SMALL for 0.2 ml tubes



20 x 6 mm

StarTags Laboratory Labels					
Description	**Colour**	**Pack Type**	**Labels per Pack**	**Cat. No.**	**Price**
9.5 mm diam. Spots	Blue	Roll	2000	E9185-0001	£17.62
9.5 mm diam. Spots	Green	Roll	2000	E9185-0002	£17.62
9.5 mm diam. Spots	Orange	Roll	2000	E9185-0003	£17.62
9.5 mm diam. Spots	Red	Roll	2000	E9185-0004	£17.62
9.5 mm diam. Spots	Yellow	Roll	2000	E9185-0006	£17.62
9.5 mm diam. Spots	White	Roll	2000	E9185-0009	£17.62
Large (32.5 x 12.5 mm)	White	Roll	1000	E9187-1009	£17.62
Large (32.5 x 12.5 mm)	White	A4 Laser Sheets	1980 [1]	E9187-2016	£40.61
Medium (24 x 12.5 mm)	White	Roll	1000	E9188-1009	£17.62
Medium (24 x 12.5 mm)	White	A4 Laser Sheets	2016 [2]	E9185-2240	£40.61
Small (20 x 6.0 mm)	White	Roll	1000	E9188-8699	£17.62

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.

[1] 90 labels per sheet / 22 sheets per pack

[2] 126 labels per sheet / 16 sheets per pack

Fine Point Pen		
Description	**Cat. No.**	**Price Each**
Fine Point Pen for use with all StarTags	E9186-9987	£2.68

StarTags dispenser

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

StarTags Dispenser		
Description	**Cat. No.**	**Price Each**
StarTags Acrylic Dispenser	E9199-0000	£60.91

Dimensions (WxDxH): 280 x 120 x 89 mm.

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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

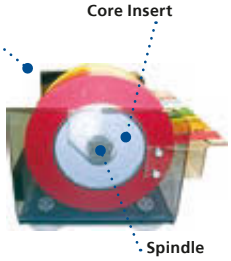
- One dispenser fits all! The acrylic dispenser holds both lengths of tape
- Suction feet ensure the dispenser stays firmly on the bench, even when using one hand to dispense the tape
- Core inserts for 55 m long tape available separately

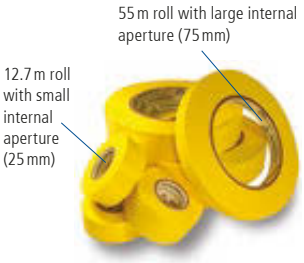
ID Tape Dispenser		
Description	**Cat. No.**	**Price**
ID Tape Dispenser (Pack comprises 1 Dispenser & 5 Core Inserts)	E9026-0000	£65.18
ID Tape Core Inserts, Pack of 5 (For use with 55 m long tapes)	E9026-2005	£10.85

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

12.7 m Tape
The internal aperture of these smaller rolls fit on the spindle of the dispenser without the need for a 'Core Insert'

55 m Tape
The larger 55 m rolls have a bigger internal aperture than the 12.7 m rolls so they need a 'Core Insert' pushed into the tape's internal aperture in order to hold the rolls on the spindle in the dispenser





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)

		Individual Rolls								8-Pack
Tape Length	**Tape Width**	**Blue**	**Green**	**Orange**	**Red**	**Violet**	**Yellow**	**Pink**	**White**	**Mixed****
12.7 m	12.7 mm	E9127-1271 £4.09	E9127-1272 £4.09	E9127-1273 £4.09	E9127-1274 £4.09	E9127-1275 £4.09	E9127-1276 £4.09	E9127-1270 £4.09	E9127-1279 £4.09	E9127-1278 £30.90
	19.0 mm	E9127-1911 £5.62	E9127-1912 £5.62	E9127-1913 £5.62	E9127-1914 £5.62	E9127-1915 £5.62	E9127-1916 £5.62	E9127-1910 £5.62	E9127-1919 £5.62	E9127-1918 £42.01
	25.4 mm	E9127-2501 £7.15	E9127-2502 £7.15	E9127-2503 £7.15	E9127-2504 £7.15	E9127-2505 £7.15	E9127-2506 £7.15	E9127-2500 £7.15	E9127-2509 £7.15	E9127-2508 £55.55
55 m*	12.7 mm	E9055-1271 £10.60	E9055-1272 £10.60	E9055-1273 £10.60	E9055-1274 £10.60	E9055-1275 £10.60	E9055-1276 £10.60	E9055-1270 £10.60	E9055-1279 £10.60	E9055-1278 £81.22
	19.0 mm	E9055-1911 £14.94	E9055-1912 £14.94	E9055-1913 £14.94	E9055-1914 £14.94	E9055-1915 £14.94	E9055-1916 £14.94	E9055-1910 £14.94	E9055-1919 £14.94	E9055-1918 £110.94
	25.4 mm	E9055-2501 £17.50	E9055-2502 £17.50	E9055-2503 £17.50	E9055-2504 £17.50	E9055-2505 £17.50	E9055-2506 £17.50	E9055-2500 £17.50	E9055-2509 £17.50	E9055-2508 £134.47

*55 m long tape requires a core insert for use in the STARLAB dispenser.
**Mixed packs contain one of each colour.

BMP™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	19 mm (max print width 16 mm)
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

BMP™21 Label Printer		
Description	**Cat. No.**	**Price**
Brady® BMP™21-LAB Label Printer	N3000-2000	£137.89
AC Adaptor (optional)	N3000-2001	£48.94

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.

BMP™21-Lab Label Cartridges						Label Applications								
Description	**Colour**	**Width**	**Length**	**Cat. No.**	**Price**	**Freezer** (-80 °C)	**Liquid Nitrogen** (-196 °C)	**Autoclave** (121°C)	**Hot Water Baths** (100 °C)	**Low-Profile** (extremely thin)	**Bar-cod-ing**	**For the labelling of:** Vials	Slides	Plates
B-595 Vinyl	Various*	9.5 mm	6.4 m	N3795-439#*	£21.71	-40 °C min.						0.5 ml		✓
B-595 Vinyl	White	9.5 mm	6.4 m	N3795-4399	£21.71	-40 °C min.						0.5 ml		✓
B-461 Polyester[1]	White	9.5 mm	6.4 m	N3795-4619	£29.75	✓	✓	✓	✓	✓		0.5 ml		✓
B-461 Polyester[1]	White	12.7 mm	6.4 m	N5127-4619	£26.95	✓	✓	✓	✓	✓		1.5 ml		✓
B-461 Polyester[1]	White	19.1mm	6.4 m	N7519-4619	£35.27	✓	✓	✓	✓	✓	✓	2.0 – 50 ml		✓
B-488 Polyester	White	9.5 mm	6.4 m	N3795-4889	£24.32	✓		✓				0.5ml	✓	✓
B-488 Polyester	White	12.7 mm	6.4 m	N5127-4889	£28.58	✓		✓				1.5 ml	✓	✓
B-488 Polyester	White	19.1 mm	6.4 m	N7519-4889	£29.90	✓		✓			✓	2.0 – 50 ml	✓	✓
B-499 Nylon[1]	White	9.5 mm	4.8 m	N3795-4999	£28.13	✓	✓	✓				0.5 ml	✓	✓
B-499 Nylon[1]	White	12.7 mm	4.8 m	N5127-4999	£29.80	✓	✓	✓				1.5ml	✓	✓
B-499 Nylon[1]	White	19.1 mm	4.8 m	N7519-4999	£30.39	✓	✓	✓			✓	2.0 – 50 ml	✓	✓
B-7425 Polypropylene[1]	White	9.5 mm	6.4 m	N3795-7425	£34.75	✓	✓	✓	✓			0.5 ml	✓	✓
B-7425 Polypropylene[1]	White	12.7 mm	6.4 m	N5127-7425	£39.16	✓	✓	✓	✓			1.5 ml	✓	✓
B-7425 Polypropylene[1]	White	19.1 mm	6.4 m	N7519-7425	£43.57	✓	✓	✓	✓		✓	2.0 – 50 ml	✓	✓

*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.

[1]Acceptable for use in liquid nitrogen only if the ends of the label overlap. See page 118 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[1]	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[1]	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).

[1]Acceptable for use in liquid 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 117.

Label Cartridges for LabXpert Printer

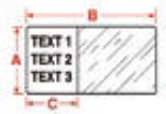
Label cartridges for LabXpert™ printer

LabXpert™ Label Cartridges										For Use With							
Label Style	Label Material	Label Type	Colour	Labels per Cartridge	Label Dimensions (mm) A	B	C	Cat. No.	Price	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
1	B-461 Polyester[1]	Long Tail	White	500	4.75	38.10	17.78	N0108-4619	£41.61	✓							
1	B-461 Polyester[1]	Long Tail	White	225	12.70	44.45	19.05	N0072-4619	£53.42		✓						
1	B-461 Polyester[1]	Long Tail	White	175	12.70	55.88	19.05	N0074-4619	£47.23			✓	✓				
1	B-461 Polyester[1]	Long Tail	White	150	15.24	66.68	25.40	N0086-4619	£46.56			✓	✓				
2	B-499 Nylon	Free Standing	White	350	25.40	9.53	9.53	N0118-4999	£44.98		✓	✓	✓				
2	B-499 Nylon	Free Standing	White	300	25.40	12.70	11.18	N0117-4999	£54.54			✓	✓				
3	B-499 Nylon	Free Standing	White	300	9.53			N0082-4999	£37.11			✓					
3	B-499 Nylon	Free Standing	Orange	300	9.53			N0082-4993	£45.77			✓					
3	B-499 Nylon	Free Standing	Yellow	300	9.53			N0082-4996	£44.98			✓					
4	B-461 Polyester[1]	Long/Short Tail*	White	100	38.10	95.25	31.75	N0119-4619	£41.61					✓	✓		
4	B-461 Polyester[1]	Free Standing	White	200	48.26	6.35		N0081-4889	£42.24							✓	
5	B-461 Polyester[1]	Free Standing	White	400	22.86	22.86		N0097-4889	£66.80								✓

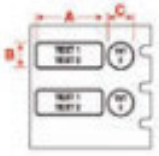
[1] B-461: Label must overlap for use in liquid nitrogen. * Long Tail for 15ml Tubes / Short Tail for 50 ml Tubes.

Label Styles for LabXpert™

LABEL STYLE 1

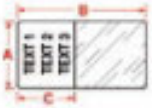


LABEL STYLE 2

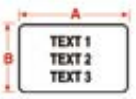


LABEL STYLE 3

LABEL STYLE 4



LABEL STYLE 5



www.starlab.click/**labelling**

Cell Culture

Your cells deserve the best!

CytoOne® offers a broad range of high performance cell culture consumables including patented filtration systems for fast and safe media sterilization.

CELL CULTURE
CytoOne® Overview 122

CELL CULTURE DISHES
CytoOne® Dishes 123

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CELL CULTURE SCRAPERS
CytoOne® Cell Scrapers 134

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-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

CytoOne® testing and quality assurance

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

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

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®.

www.starlab.click/**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 strain.

Product features

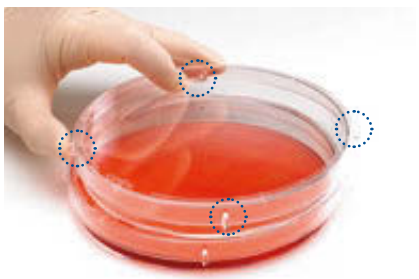
- Sturdy, flat bases resist bowing and warping
- Optical clarity provides distortion-free microscopy
- Stacking rings with vented design for thermal equalisation
- Vented lids improve gas exchange
- All CytoOne® dishes have untreated lids to minimise condensation
- Easy to open sleeves in convenient, small pack sizes
- Gamma sterilised
- Certified RNase, DNase, DNA and pyrogen free

CytoOne® Dishes

Description	Pack Size	Cat. No.	Price
TC Treated			
35 x 10 mm CytoOne® Dish	10 × 30	CC7682-3340	£86.45
60 x 15 mm CytoOne® Dish	10 × 30	CC7682-3359	£92.21
100 x 20 mm CytoOne® Dish	10 × 30	CC7682-3394	£138.31
150 x 20 mm CytoOne® Dish	5 × 12	CC7682-3614	£92.21
Non-Treated			
35 x 10 mm CytoOne® Dish	10 × 30	CC7672-3340	£80.68
60 x 15 mm CytoOne® Dish	10 × 30	CC7672-3359	£86.45
100 x 20 mm CytoOne® Dish	10 × 30	CC7672-3394	£126.78
150 x 20 mm CytoOne® Dish	5 × 12	CC7672-3614	£86.45

Specifications

Outer Dimensions x Height	Growth area	Inner dimension	Working volume
35 x 10 mm	9.6 cm²	35 mm	2.0 ml
60 x 15 mm	21 cm²	52 mm	5 ml
100 x 20 mm	55 cm²	85 mm	10 ml
150 x 20 mm	149 cm²	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 manipulate stacks of small dishes

CytoOne® Multiwell Plates

Chimney wells! CytoOne® plates have wells with 360° clearance to prevent cross-contamination and provide uniform temperature transfer across all wells. They also feature vented skirts with ridged gripping areas for easier handling

www.starlab.click/**multiwellplates**

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.

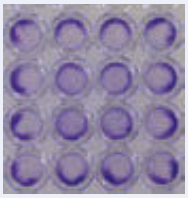
Product features

- Complete 360° chimney wells prevent cross-contamination and provide uniform temperature transfer across all wells
- Gripping areas on plate bases for secure handling
- Vented skirt reduces condensation and surface tension between stacked plates
- Moulded alpha-numeric matrix
- Optical clarity provides distortion-free microscopy
- Certified RNase, DNase, DNA and Pyrogen free
- Gamma sterilised and individually-wrapped

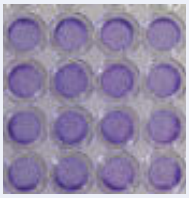
Minimising the 'edge effect' with CytoOne®

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
12-well:	20 – 25 ml
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.

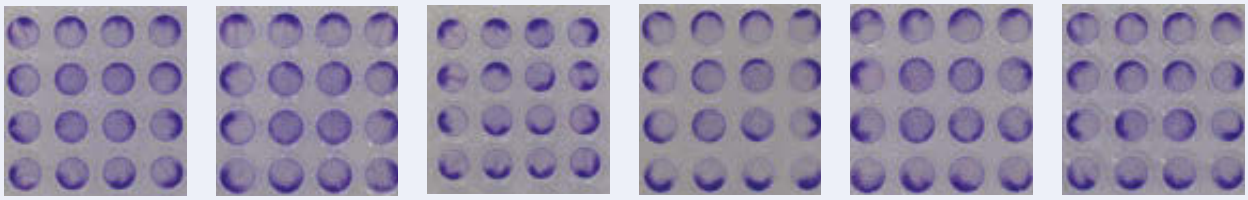
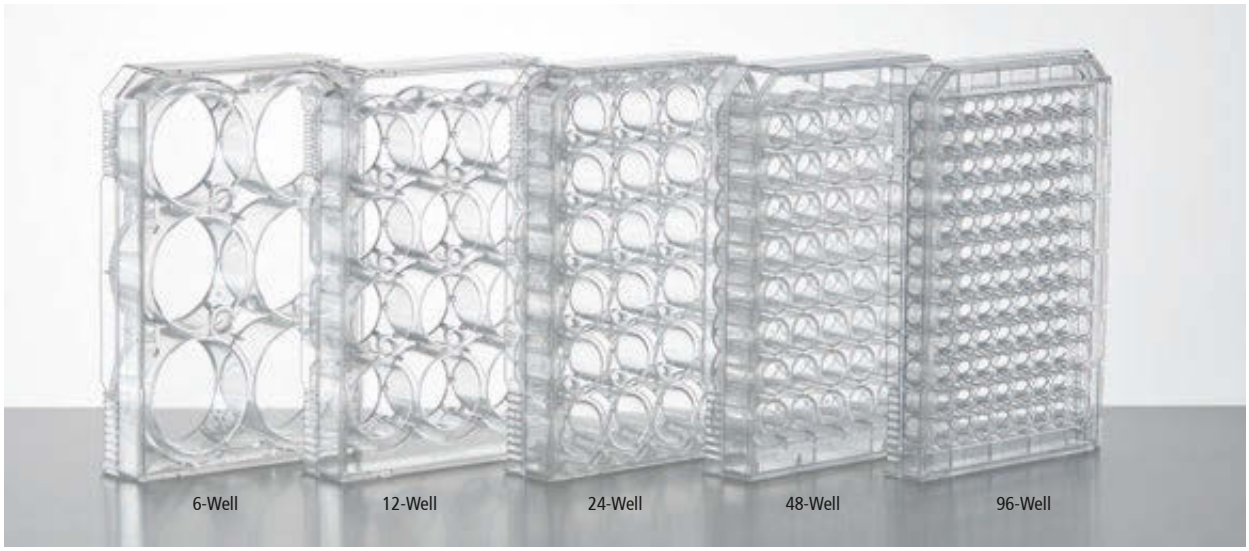


Plate A | Plate B | Plate C | Plate D | Plate E | Plate F

NIH3T3 cells stained with Crystal-Violet after 24 hours at 37 °C, 5 % Co_2.
Initial seeding 0.01 x 10^6 cells per well.



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

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

CytoOne® Multiwell Plates			
Description	**Pack Size**	**Cat. No.**	**Price**
TC Treated			
6-Well CytoOne® Plate, TC-Treated	50	CC7682-7506	£69.15
12-Well CytoOne® Plate, TC-Treated	50	CC7682-7512	£86.45
24-Well CytoOne® Plate, TC-Treated	50	CC7682-7524	£92.21
48-Well CytoOne® Plate, TC-Treated	50	CC7682-7548	£97.97
96-Well CytoOne® Plate, TC-Treated	50	CC7682-7596	£103.73
Non-Treated			
6-Well CytoOne® Plate, Non-Treated	50	CC7672-7506	£63.40
12-Well CytoOne® Plate, Non-treated	50	CC7672-7512	£73.21
24-Well CytoOne® Plate, Non-Treated	50	CC7672-7524	£80.68
48-Well CytoOne® Plate, Non-Treated	50	CC7672-7548	£92.21
96-Well CytoOne® Plate, Non-Treated	50	CC7672-7596	£97.97

CytoOne®

One-way fit lids with condensation rings prevent cross contamination

Specifications			
Number of wells	**Growth area**	**Working volume**	**Well diameter**
6 wells	9.4 cm²	2.0 ml	3.46 cm
12 wells	3.8 cm²	1.5 ml	2.21 cm
24 wells	1.9 cm²	1.0 ml	1.55 cm
48 wells	0.76 cm²	0.5 ml	0.98 cm
96 wells	0.32 cm²	0.2 ml	0.64 cm

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.

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
- Optical clarity provides distortion-free microscopy
- Easy open, resealable zip top bags protect unused flasks
- Certified RNase, DNase, DNA and Pyrogen free
- Gamma sterilised

CytoOne® Flasks with 2-Position Plug Seal Caps			
Description	**Pack Size**	**Cat. No.**	**Price**
TC Treated			
T-25 CytoOne® Flask, TC-Treated	30 × 10	CC7682-4325	£207.47
T-75 CytoOne® Flask, TC-Treated	20 × 5	CC7682-4175	£138.31
T-150 CytoOne® Flask, TC-Treated	8 × 5	CC7682-4415	£126.78
T-225 CytoOne® Flask, TC-Treated	5 × 5	CC7682-4225	£115.26
Non-Treated			
T-25 CytoOne® Flask, Non-Treated	30 × 10	CC7672-4325	£161.36
T-75 CytoOne® Flask, Non-Treated	20 × 5	CC7672-4175	£126.78
T-150 CytoOne® Flask, Non-Treated	8 × 5	CC7672-4415	£111.05
T-225 CytoOne® Flask, Non-Treated	5 × 5	CC7672-4225	£103.73

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

Non-treated flasks can be identified by the white caps

CytoOne® Flasks with Vented Filter Caps

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

Leak-free assurance

Tissue culture treated for optimum cell attachment and growth. 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.

CytoOne® Flasks with Vented Filter Caps			
Description	**Pack Size**	**Cat. No.**	**Price**
TC Treated			
T-25 CytoOne® Flask, TC-Treated, Vented	30 × 10	CC7682-4825	£265.10
T-75 CytoOne® Flask, TC-Treated, Vented	20 × 5	CC7682-4875	£184.42
T-150 CytoOne® Flask, TC-Treated, Vented	8 × 5	CC7682-4815	£149.83
T-225 CytoOne® Flask, TC-Treated, Vented	5 × 5	CC7682-4822	£126.78

Specifications (All Cap Types)					
Flask Type	**Growth area**	**Neck**	**Working volume**	**Max. volume without neck**	**Max. volume with neck**
T-25	25 cm²	canted	5 ml	70 ml	75 ml
T-75	75 cm²	canted	20 ml	279 ml	290 ml
T-150	150 cm²	canted	30 ml	591 ml	603 ml
T-225	225 cm²	angled	60 ml	1,006 ml	1,024 ml

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
- Optical clarity provides distortion-free microscopy
- Convenient T150 size for easier sub-culturing and upscaling
- Easy open, resealable zip-top bags protect unused flasks
- Gamma sterilised
- Certified RNase, DNase, DNA and pyrogen free

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

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

CytoOne®

www.starlab.click/**flasks**

CytoOne® Bottle Top Filtration Units

Easy going!

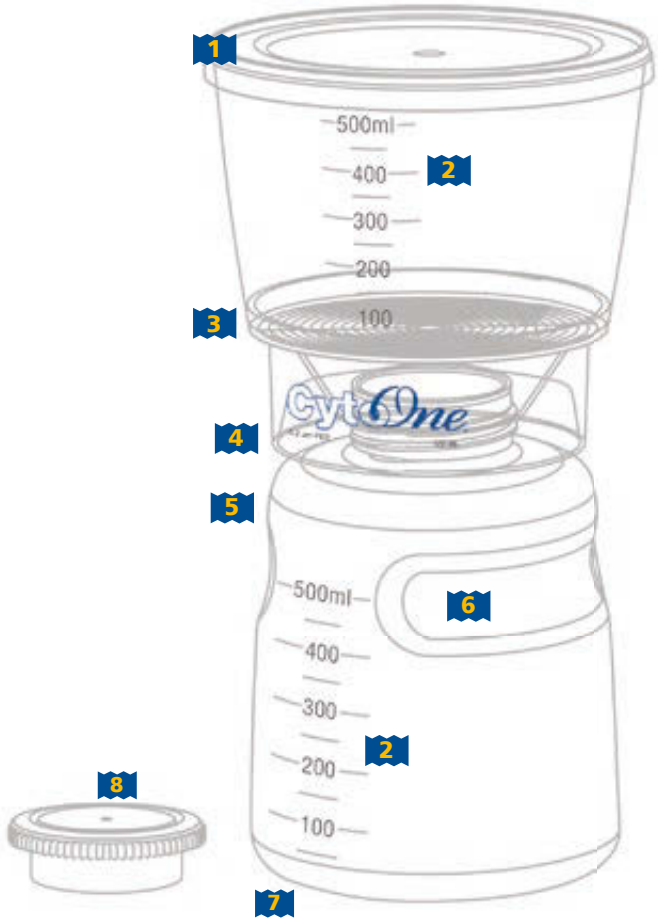
The patented, innovative CytoOne® Bottle Top Filtration Units feature a High Flow Velocity 0.2 µm PES (Polyethersulfone) membrane that is perfect for filtering Fetal Bovine Serum (FBS) and other viscous solutions. The membrane is low protein binding and surfactant-free.

CytoOne® BottleTop 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 sterile filtration of tissue culture and microbial media, buffers, reagents and other laboratory solutions
- Available as a complete system or funnel-only
- Includes adapter for connecting to vacuum hose
- Ergonomic bottle shape with molded finger grips
- Patented SECUREgrasp™ cap provides a convenient gripping surface plus a frosted area for labeling
- Optional, docking stations for hands-free operation are available separately
- Made with USP Class VI materials in a class 100,000 cleanroom
- Manufactured in an ISO 13485 certified facility
- Certified non-cytotoxic and pyrogen free
- Sterile



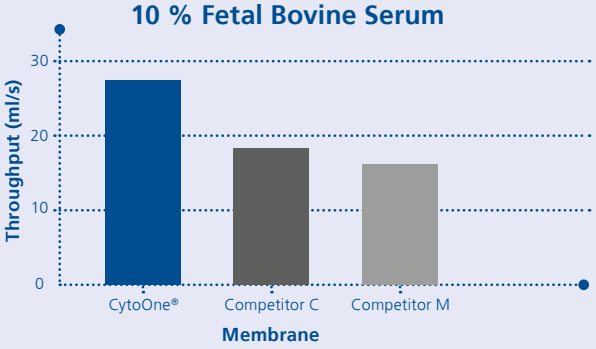
1. Dust cap with writing surface
2. Large raised volume graduations
3. Low protein binding PES filter with large surface area
4. Skirted funnel base surrounds the Quick-Connect™ Pedestal or cradle ring for secure hands-free filtration
5. Slopping contour with additional head space
6. Finger grip areas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

The fastest in the industry!

STARLAB's CytoOne® Bottle Top Filtration Units are designed to be the fastest in the industry, without compromising on form or function.

The combination of a larger membrane surface and advances in membrane technologies allows the CytoOne® high velocity membrane to outperform the leading competition with **up to 50 % faster flow rates**. Even the most challenging solutions can achieve a better flow rate and filtering throughput.

Membrane Throughput Using 10 % Fetal Bovine Serum



Tested against market leading bottle top filtration units.

CytoOne® Bottle Top Filtration Units			
Description	**Pack Size**	**Cat. No.**	**Price**
Full Assembly			
250 ml CytoOne® Bottle Top Filtration Unit, Full Assembly, 0.2 µm	12	CC6032-7233	£96.43
500 ml CytoOne® Bottle Top Filtration Unit, Full Assembly, 0.2 µm	12	CC6032-8233	£123.83
1000 ml CytoOne® Bottle Top Filtration Unit, Full Assembly, 0.2 µm	12	CC6032-9233	£170.52
Funnel Only			
250 ml CytoOne® Bottle Top Filtration Unit, Funnel Only, 0.2 µm	12	CC6062-1233	£79.17
500 ml CytoOne® Bottle Top Filtration Unit, Funnel Only, 0.2 µm	12	CC6062-2233	£88.31
1000 ml CytoOne® Bottle Top Filtration Unit, Funnel Only, 0.2 µm	12	CC6062-3233	£131.95

Docking stations for hands-free use of the filtration units are on page 131

Full Assembly

250 ml CC6032-7233 | 500 ml CC6032-8233 | 1000 ml CC6032-9233

Funnel-only

250 ml CC6062-1233 | 500 ml CC6062-2233 | 1000 ml CC6062-3233

Complete, ready to go systems

Funnel-only for use with bottles already available in the laboratory

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 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 post-sterilization, and also reduces the risk of spills.

This hands-free filtration system works in conjunction with the Quick-Connect™ Pedestal or Cradle Ring which provides on/off vacuum flow control. The Quick-Connect™ Pedestal and Cradle Ring provides a permanent vacuum hose connection so the time-consuming reconnecting of the vacuum hose 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

- Sold in 15 ml and 50 ml centrifuge tube sizes
- 0.2 µm PES membrane
- Permanent vacuum hose connection to minimize set-up time
- Includes adapter for connecting to vacuum hose
- Made with USP Class VI materials in a class 100,000 cleanroom
- Manufactured in an ISO 13485 certified facility
- Certified non-cytotoxic and pyrogen-free
- Sterile (SAL 10^{-6})
- Optional, patented docking hardware sold separately

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

Centrifuge Tube Filtration Systems

15 ml

50 ml

CytoOne® Centrifuge Tube Filtration System			
Description	**Pack Size**	**Cat. No.**	**Price**
Full Assembly			
15 ml CytoOne® Centrifuge Tube Filtration System, 0.2 µm	24	CC6032-1411	£173.57
50 ml CytoOne® Centrifuge Tube Filtration System, 0.2 µm	24	CC6032-1402	£173.57

Both systems include a basic centrifuge tube stand that holds both 15 ml and 50 ml tubes; a cap for each tube is also supplied.

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.

CytoOne® Filtration Docking Units			
Description	**Pack Size**	**Cat. No.**	**Price**
CytoOne® Vacuum Filtration Cradle Ring	1	CC6000-1122	£149.21
CytoOne® Quick-Connect™ Vacuum Filtration Pedestal	1	CC6000-1116	£410.31

CC6000-1116

CC6000-1122 (Stand not included)

www.starlab.click/**filtration**

Well prepared!

Best solution

CytoOne® Filtration Systems can be perfectly operated with STARLAB's Aspirator (pages 166 – 168). Use our innovative Aspirator to exploit the full capacity of the Filtration Unit's high flow velocity 0.2 µm PES membrane.

Features

- Fastest filtration system in the market
- Easy handling
- Sealed system for contamination-free filtration
- Versatile
- Aspirator has user-friendly silent operation
- Two hand controllers can be used on the Aspirator at same time – double productivity!
- One supplier, one system

CytoOne® Filtration Systems can be perfectly operated with STARLAB's Aspirator

FREE SAMPLE TRY before you BUY available on request

Fast filtration
Up to 50 % faster than conventional systems

Aspirator			
Description	**Pack Size**	**Cat. No.**	**Price**
Aspirator	1	N2400-9000	£1515.00

See pages 166 – 168 for full product details.

Easy handling
Quick connect with Aspirator

Sealed system
Contamination-free assembly

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

Syringe Filters (Sterile)

Syringe Filters (Sterile)			
Description	**Pack Size**	**Cat. No.**	**Price**
PES Membrane			
0.22 µm Syringe Filter, PES (Sterile), Blue, Ø 33 mm	100	E4780-1226	£213.15
0.45 µm Syringe Filter, PES (Sterile), Yellow, Ø 33 mm	100	E4780-1456	£213.15
PVDF Membrane			
0.22 µm Syringe Filter, PVDF (Sterile), Blue, Ø 33 mm	100	E4780-1221	£213.15
0.45 µm Syringe Filter, PVDF (Sterile), Yellow, Ø 33 mm	100	E4780-1451	£213.15
Cellulose Acetate Membrane			
0.22 µm Syringe Filter, Cellulose Acetate (Sterile), Blue, Ø 33 mm	100	E4780-1223	£213.15
0.45 µm Syringe Filter, Cellulose Acetate(Sterile), Yellow, Ø 33 mm	100	E4780-1453	£213.15

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.

Membranes

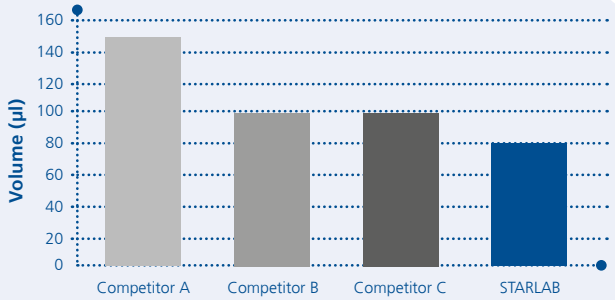
PES for fast flow and low protein binding
PVDF for maximum, low protein binding
Cellulose Acetate for general filtration and binding trace proteins

Product features

- Filter type printed on the filter for ease of identification
- 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
- Convenient, larger pack sizes
- Gamma sterilised

FREE SAMPLE TRY before you BUY available on request

Up to Nearly Half the Hold-Up Volume of Other Syringes



Tested against market-leading syringe filters.

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

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

CytoOne® Cell Scrapers

Rich harvest!

CytoOne® scrapers comprise a gentle silicone blade and an ABS polymer handle. 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

CytoOne® Cell Scrapers			
Description	**Pack Size**	**Cat. No.**	**Price**
220 mm CytoOne® Cell Scraper with 11 mm Fixed Blade	100	CC7600-0220	£141.43
250 mm CytoOne® Cell Scraper with 10 mm Pivoting Blade	100	CC7600-0250	£134.70
320 mm CytoOne® Cell Scraper with 12 mm Pivoting Blade	100	CC7600-0320	£141.43

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

Product features

- 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
- Individually wrapped and in convenient inner packs of 25
- Gamma sterilised

CytoOne®

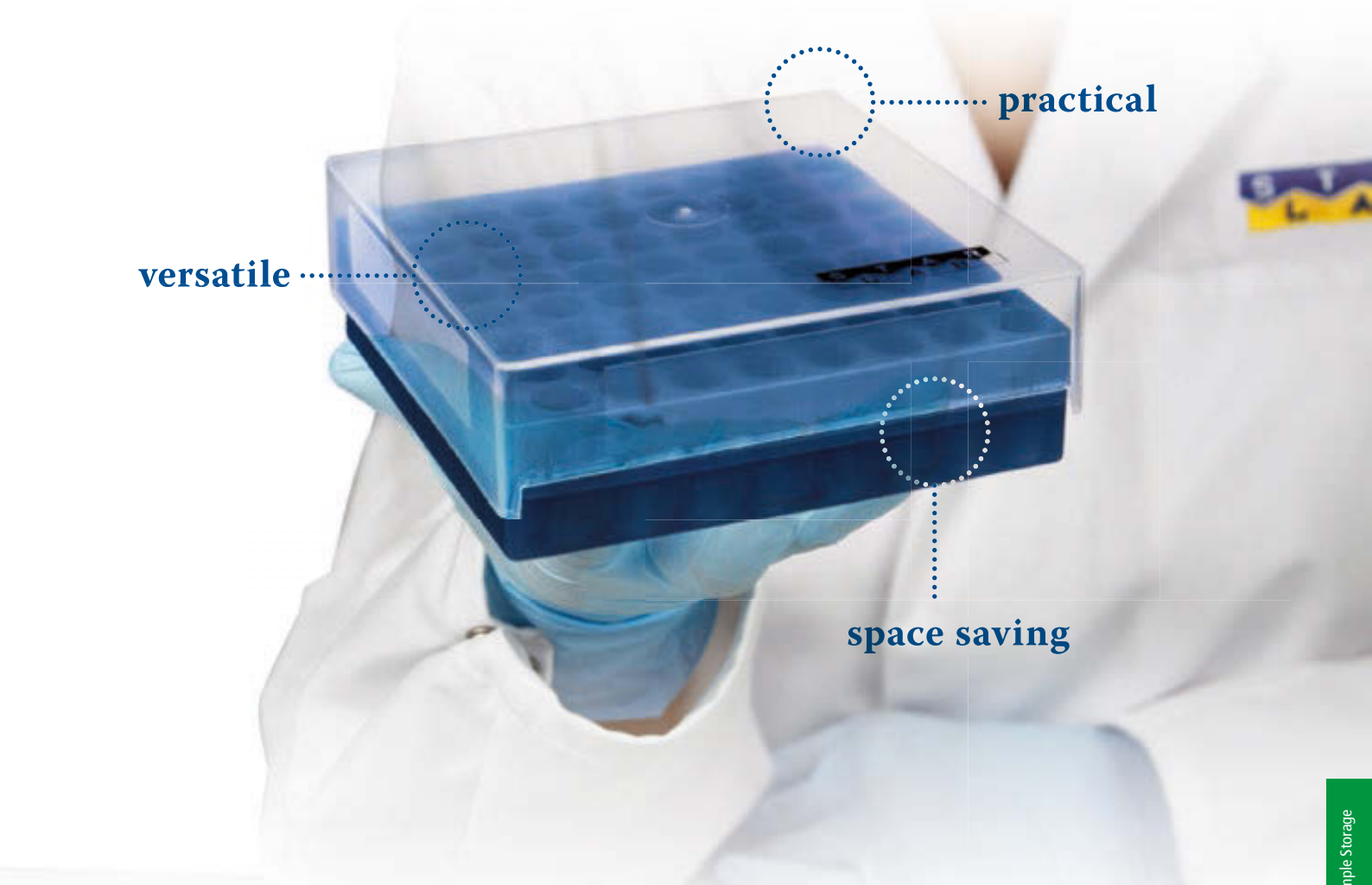
FREE SAMPLE TRY before you BUY available on request

www.starlab.click/**cellscrapers**

Sample Storage

A safe place for your samples!

STARLAB provides the right solution, whatever your sample storage needs.



STORAGE BOXES & RACKS

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Cardboard Storage Boxes

A range of cardboard storage boxes with a **standard 133 x 133 mm** footprint, available in four heights, with or without dividers. Moisture-resistant coating makes the boxes a durable yet economical storage solution. The water-based glue contains no toxic substances. Boxes are available in a range of colours to help colour-code your samples. For use down to -80 °C.

32 mm High Cardboard Storage Boxes

Description	Box Colour	Cat. No.	Pack Size	Price
Box only 32 mm high cardboard storage box only (no dividers)	White	A9632-0000	6	£14.77
	Blue Green Red Yellow	A9632-0001 A9632-0002 A9632-0004 A9632-0006	6	£16.14
196-place cardboard storage box with removable 14x14 dividers for tubes up to 8.0 mm diameter, eg. 0.5 ml PCR or microcentrifuge tubes	White	A9632-1969	6	£20.75
	Blue Green Red Yellow	A9632-1961 A9632-1962 A9632-1964 A9632-1966	6	£22.47
256-place cardboard storage box with removable 16x16 dividers for tubes up to 7.0 mm diameter, eg. 0.2 ml PCR tubes.	White	A9632-2569	6	£20.75
	Blue Green Red Yellow	A9632-2561 A9632-2562 A9632-2564 A9632-2566	6	£22.47

Dimensions (WxDxH): 133 x 133 x 35 mm (with lid). Max. tube diam. stated includes tube's cap.

50 mm High Cardboard Storage Boxes

Description	Box Colour	Cat. No.	Pack Size	Price
Box only 50 mm high cardboard storage box only (no dividers)	White	A9623-0000	6	£14.77
	Blue Green Red Yellow	A9623-0001 A9623-0002 A9623-0004 A9623-0006	6	£16.14
16-place cardboard storage box with removable 4x4 dividers for tubes up to 31 mm diameter	White	A9623-1616	6	£21.78
	Blue Green Red Yellow	A9623-1601 A9623-1602 A9623-1604 A9623-1606	6	£23.05
25-place cardboard storage box with removable 5x5 dividers for tubes up to 24.5 mm diameter, eg. 7.0 ml bijou containers	White	A9623-2525	6	£21.78
	Blue Green Red Yellow	A9623-2501 A9623-2502 A9623-2504 A9623-2506	6	£23.05
49-place cardboard storage box with removable 7x7 dividers for tubes up to 16.5 mm diameter, eg. 1.2 /2.0 ml cryogenic vials	White	A9623-4949	6	£21.78
	Blue Green Red Yellow	A9623-4901 A9623-4902 A9623-4904 A9623-4906	6	£23.05
81-place cardboard storage box with removable 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	White	A9623-8181	6	£21.78
	Blue Green Red Yellow	A9623-8101 A9623-8102 A9623-8104 A9623-8106	6	£23.05
100-place cardboard storage box with removable 10x10 dividers for tubes up to 12 mm diameter, eg. screw cap microtubes	White	A9623-3100	6	£21.78
	Blue Green Red Yellow	A9623-3101 A9623-3102 A9623-3104 A9623-3106	6	£23.05

Dimensions (WxDxH): 133 x 133 x 53 mm (with lid). Max. tube diam. stated includes tube's cap.

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 12 mm in the 100-place box it may restrict all 100 spaces being used.

The 50mm high boxes can be used in the freezer racking on pages 154 - 155 and page 158.

The 50mm, 75mm and 100m high boxes can also be used in the racking for our new, **Underbench Freezer - see page 184.**

75 mm High Cardboard Storage Boxes

Description	Box Colour	Cat. No.	Pack Size	Price
Box only 75 mm high cardboard storage box only (no dividers)	White	A9625-0000	6	£15.49
	Blue Green Red Yellow	A9625-0001 A9625-0002 A9625-0004 A9625-0006	6	£17.29
16-place cardboard storage box with removable 4x4 dividers for tubes up to 31 mm diameter	White	A9625-1616	6	£28.20
	Blue Green Red Yellow	A9625-1601 A9625-1602 A9625-1604 A9625-1604	6	£29.39
25-place cardboard storage box with removable 5x5 dividers for tubes up to 24.5 mm diameter	White	A9625-2525	6	£28.20
	Blue Green Red Yellow	A9625-2501 A9625-2502 A9625-2504 A9625-2506	6	£29.39
49-place 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	White	A9625-4949	6	£28.20
	Blue Green Red Yellow	A9625-4901 A9625-4902 A9625-4904 A9625-4906	6	£29.39
81-place cardboard storage box with removable 9x9 dividers for tubes up to 13 mm diameter, eg. 3.0/4.0 ml cryogenic vials with internal thread and 12x75 tubes	White	A9625-8181	6	£28.20
	Blue Green Red Yellow	A9625-8101 A9625-8102 A9625-8104 A9625-8106	6	£29.39
100-place cardboard storage box with removable 10x10 dividers for tubes up to 12 mm diameter	White	A9625-3100	6	£28.20
	Blue Green Red Yellow	A9625-3101 A9625-3102 A9625-3104 A9625-3106	6	£29.39

Dimensions (WxDxH): 133 x 133 x 78 mm (with lid). Max tube diam. stated includes tube's cap.

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

136x136x50 mm Cardboard Box

Box Colour	Cat. No.	Pack Size	Price
Box only			
White	A9650-0000	6	£14.98
Blue Green Red Yellow	A9650-0001 A9650-0002 A9650-0004 A9650-0006	6	£16.37
Box with 100-Place Dividers			
White	A9650-1369	6	£21.90
Blue Green Red Yellow	A9650-1361 A9650-1362 A9650-1364 A9650-1366	6	£24.21

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 154-155 and page 158.

100 mm High Cardboard Storage Boxes

Description	Box Colour	Cat. No.	Pack Size	Price
Box only 100 mm high cardboard storage box only (no dividers)	White	A9627-0000	6	£23.72
	Blue Green Red Yellow	A9627-0001 A9627-0002 A9627-0004 A9627-0006	6	£26.51
16-place cardboard storage box with removable 4x4 dividers for tubes up to 31 mm diameter, eg. 30 ml universal containers	White	A9627-1616	6	£37.27
	Blue Green Red Yellow	A9627-1601 A9627-1602 A9627-1604 A9627-1606	6	£39.77
25-place cardboard storage box with removable 5x5 dividers for tubes up to 24.5 mm diameter, eg.12 ml skirted tubes and culture tubes	White	A9627-2525	6	£37.27
	Blue Green Red Yellow	A9627-2501 A9627-2502 A9627-2504 A9627-2506	6	£39.77
49-place cardboard storage box with removable 7x7 dividers for tubes up to 16.5 mm diameter, eg. 5.0 ml cryogenic vials	White	A9627-4949	6	£37.27
	Blue Green Red Yellow	A9627-4901 A9627-4902 A9627-4904 A9627-4906	6	£39.77
81-place cardboard storage box with removable 9x9 dividers for tubes up to 13 mm diameter, eg. 5.0 ml cryogenic vials with internal thread	White	A9627-8181	6	£37.27
	Blue Green Red Yellow	A9627-8101 A9627-8102 A9627-8104 A9627-8106	6	£39.77
100-place cardboard storage box with removable 10x10 dividers for tubes up to 12 mm diameter	White	A9627-3100	6	£37.27
	Blue Green Red Yellow	A9627-3101 A9627-3102 A9627-3104 A9627-3106	6	£39.77

Dimensions (WxDxH): 133 x 133 x 103mm (with lid). Max. tube diam. stated includes tube's cap.

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.

Centrifuge Tube Box w Dividers

Box Type	Cat. No.	Pack Size	Price
36-Place (15 ml Tubes)	19023-1615	1	£8.23
16-Place (50 ml Tubes)	19023-1650	1	£8.23

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. Autoclavable.

130 x 130mm Range of Storage Boxes

	Description	Colour	Cat. No.	Pack Size	Price
	StarStore 81 81-place polypropylene storage box with fixed 9x9 dividers for tubes up to 13 mm eg. 1.5 / 2.0 ml microcentrifuge tubes or screw cap microtubes. Transparent lift-off lid with frosted writing panel on side. Vent holes in base to aid draining and lid removal. Printed reference grid on base. Dimensions (WxDxH): 130 x 130 x 45 mm Max. tube height: 60 mm	Natural	I 2381-5040	5	£25.00
		Black	I 2381-5049	5	£28.00
		Neon Blue	I 2381-5041	5	£26.00
		Neon Green	I 2381-5042	5	£26.00
		Neon Orange	I 2381-5043	5	£26.00
		Neon Pink	I 2381-5044	5	£26.00
		Neon Yellow	I 2381-5046	5	£26.00
		Neon Mixed*	I 2381-5048	5	£25.50
	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. Optional, removable acetate grid that sits under the lid. Dimensions (WxDxH): 130 x 130 x 46 mm Max. tube height: 60 mm	Natural	E2349-5009	5	£38.49
	49-place acetate grid for StarStore 49	n/a	I 2349-1025	25	£19.24
	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	E2300-5005	5	£38.49

Tubes not included. *Mixed pack contains one of each neon colour.

The storage boxes above can be used in the freezer racking on pages 154-155 and page 158.

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

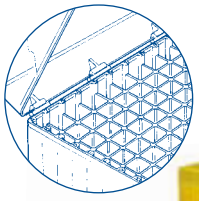
Long Storage Boxes

	Description	Colour	Cat. No.	Pack Size	Price
	Long Storage Box 100-place polypropylene storage box with fixed 5x20 dividers for tubes up to 13 mm eg. 1.5 / 2.0 ml microcentrifuge tubes or screw cap microtubes. Lift-off lid with moulded matrix. Dimensions (WxDxH): 76 x 287 x 36 mm Max. tube height: 50 mm	Natural	E2100-1100	5	£22.47
		Blue	E2100-1101	5	£22.47
		Green	E2100-1102	5	£22.47
		Red	E2100-1104	5	£22.47
		Black*	E2100-1108	5	£22.47

Tubes not included. *Black box completely blocks out light for light-sensitive samples.

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

StarStore 100-Place Storage Box



Moulded Matrix

Description	Colour	Cat. No.	Pack Size	Price
StarStore 100 100-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. Hinged, lockable lid with positioning lugs for stable stacking. Moulded reference grid inside. Dimensions (WxDxH): 140 x 155 x 55 mm	Natural	I 2310-5800	5	£24.00
	Neon Blue	I 2310-5841	5	£25.28
	Neon Green	I 2310-5842	5	£25.28
	Neon Orange	I 2310-5843	5	£25.28
	Neon Pink	I 2310-5844	5	£25.28
	Neon Yellow	I 2310-5846	5	£25.28
	Mixed Neon*	I 2310-5848	5	£24.50

StarStore 100 boxes can be used with the freezer racking on page 155 and page 159.

Tubes not included. *Mixed pack contains one of each neon colour.

50-Place Storage boxes

	Description	Colour	Cat. No.	Pack Size	Price
	StarStore 50 Neon, Hinged 50-place polypropylene storage box with fixed 5x10 dividers for tubes up to 13 mm eg. 1.5 / 2.0 ml microcentrifuge tubes, screw cap microtubes. Hinged, lockable lid with positioning lugs for stable stacking Moulded reference grid inside. Dimensions (WxDxH): 140 x 80 x 55 mm	Natural	I 2350-5800	5	£20.30
		Neon Blue	I 2350-5841	5	£22.33
		Neon Green	I 2350-5842	5	£22.33
		Neon Orange	I 2350-5843	5	£22.33
		Neon Pink	I 2350-5844	5	£22.33
		Neon Yellow	I 2350-5846	5	£22.33
		Mixed Neon*	I 2350-5848	5	£21.32
	StarStore 50 (Stackable) 50-place polypropylene storage box with fixed 5x10 dividers for tubes up to 13 mm eg. 1.5 / 2.0 ml microcentrifuge tubes. Lift-off lid with positioning lugs for stable stacking. Dimensions (WxDxH): 144 x 75 x 35 mm Max. tube height: 45 mm	Natural	E2450-5000	5	£38.49
		Blue	E2450-5001	5	£38,49
		Green	E2450-5002	5	£38.49
		Pink	E2450-5004	5	£38.49
		Yellow	E2450-5006	5	£38.49
	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	E2350-5009	5	£18.64
	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	E2305-6009	5	£17.91

Tubes not included. *Mixed pack contains one of each neon colour.

Polypropylene Storage Boxes

High-profile boxes suitable for use with screw cap microtubes (see pages 82–83) and other taller tubes up to 53 mm high. Polypropylene provides high chemical resistance. Temperature use: -90 °C to 121 °C. Autoclavable.

High Profile Storage Boxes

	Description	Colour	Cat. No.	Pack Size	Price
	200-place 200-place polypropylene storage box with fixed 10x20 dividers for tubes up to 12.5 mm eg. screw cap microtubes. 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	Natural	E2200-1000	5	£74.92
		Black*	E2200-1008	5	£74.92
	100-place 100-place polypropylene storage box with fixed 10x10 dividers for tube up to 12.5 mm eg. screw cap microtubes. Moulded reference grid inside. Hinged lid with positioning lugs for stable stacking. Dimensions (WxDxH): 140 x 155 x 64 mm Max tube height: 53 mm	Natural / Natural	E2100-5000	5	£44.90
		Natural / Blue	E2100-5001	5	£44.90
		Natural / Green	E2100-5002	5	£44.90
		Natural / Red	E2100-5004	5	£44.90
		Natural / Yellow	E2100-5006	5	£44.90
		Black / Black*	E2100-5008	5	£44.90

Tubes not included. *Black box completely blocks out light for light-sensitive samples.

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

Centrifuge Tube Storage Boxes

	Description	Colour	Cat. No.	Pack Size	Price
	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 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	Green (for 15 ml tubes)	E9025-3615	2	£22.33
		Blue (for 50 ml tubes)	E9025-1650	2	£22.33

Tubes not included.

Polycarbonate Bijoux Storage Box

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

Storage Box for Bijou Containers

	Description	Colour	Cat. No.	Pack Size	Price
	Storage box for bijoux 25-place polycarbonate storage box with fixed 5x5 dividers for 7.0 ml bijou containers Moulded reference on base. Transparent lift-off lid with frosted writing surface. Dimensions (WxDxH): 133 x 133 x 55 mm	White	E2381-2525	1	£7.61

Tubes not included.

Cryogenic Storage Boxes

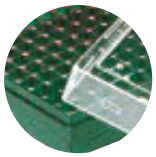
Coloured cryogenic storage boxes

A range of coloured polycarbonate storage boxes for use in ultra-low temperatures. Boxes can be submerged in liquid nitrogen. A choice of different colour bases allows you to colour coordinate your samples for easy identification. Temperature use: -196 °C to 121 °C. Autoclavable.

Coloured Cryogenic Storage Boxes

	Description	Colour	Cat. No.	Pack Size	Price
	25-place 25-place polycarbonate storage box with fixed 5x5 grid dividers for tubes up 13 mm eg. 1.0 ml and 1.8 ml cryogenic vials. Coloured base with crystal-clear, lift-off lid. Printed matrix on dividers. Dimensions (WxDxH): 76 x 76 x 54 mm Max. tube height: 49 mm	Blue	E2381-5001	5	£31.60
		Green	E2381-5002	5	£31.60
		Orange	E2381-5003	5	£31.60
		Red	E2381-5004	5	£31.60
		Yellow	E2381-5006	5	£31.60
		Mixed*	E2381-5099	5	£31.60
	81-place 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	Blue	E2382-5001	5	£35.50
		Green	E2382-5002	5	£35.50
		Orange	E2382-5003	5	£35.50
		Red	E2382-5004	5	£35.50
		Yellow	E2382-5006	5	£35.50
		Mixed*	E2382-5099	5	£35.50
	81-place tall 81-place polycarbonate storage box with fixed 9x9 grid dividers for tubes up to 13 mm eg. 4.5 ml cryogenic vials. Coloured base with crystal-clear, lift-off lid. Printed matrix on grid dividers. Dimensions (WxDxH): 133 x 133 x 95 mm. Max. tube height: 90 mm.	Blue	E2382-6001	5	£56.88
		Green	E2382-6002	5	£56.88
		Orange	E2382-6003	5	£56.88
		Red	E2382-6004	5	£56.88
		Yellow	E2382-6006	5	£56.88
		Mixed*	E2382-6099	5	£56.88
	100-place 100-place polycarbonate storage box with fixed 10x10 pronged dividers for tubes up 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.	Blue	E2383-5001	5	£35.50
		Green	E2383-5002	5	£35.50
		Orange	E2383-5003	5	£35.50
		Red	E2383-5004	5	£35.50
		Yellow	E2383-5006	5	£35.50
		Mixed*	E2383-5099	5	£35.50

*Contains one of each colour.



Grid dividers: 25-place and 81-place boxes

Pronged dividers: 100-place box

Cryogenic storage boxes above can be used with the freezer racking on pages 154-155 and pages 158-159.

www.starlab.click/**storageboxes**

Cryogenic Storage Boxes & Racks

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

Zylar Resin Cryogenic Storage Box					
	Description	**Colour**	**Cat. No.**	**Pack Size**	**Price**
	StarStore 81Z 81-place zylar resin storage box with fixed 9x9 dividers for tubes up to 13mm eg. 1.0ml 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 45mm	Natural	E2301-5309	5	£65.23

Can be used in the freezer racking on pages 154-155 and page 158.

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

White Polycarbonate Cryogenic Storage Boxes					
	Description	**Box Type**	**Cat. No.**	**Pack Size**	**Price**
	Cryogenic storage boxes 81-place polycarbonate storage box with fixed 9x9 grid dividers 100-place box polycarbonate storage box with fixed 10x10 pronged dividers 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 55mm	81-place	I 2381-2305	5	£39.26
		100-place	I2510-5005	5	£39.26

Can be used in the freezer racking on pages 154-155 and page 158. See previous page for explanation of grid/pronged dividers.

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

Polypropylene Cryogenic Lock Racks					
	Description	**Colour**	**Cat. No.**	**Pack Size**	**Price**
	Cryogenic lock rack 50-place polypropylene rack with a 5x10 array for use with skirted cryogenic vials. The vials lock into the rack for easy one-handed cap removal. Anti-skid rubber feet for stability on the bench. Dimensions (WxDxH): 200 x 100 x 25mm.	Blue	E2350-4001	4	£79.65
		Red	E2350-4004	4	£79.65
		Violet	E2350-4005	4	£79.65

Tubes not included.

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

StarRack Multi					
	Description	**Colour**	**Cat. No.**	**Pack Size**	**Price**
	StarRack Multi 84-place acetal polymer tube rack with a 6x14 array for tubes up to 13mm eg. 3.6ml and 4.5ml 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 65mm.	Mixed (contains one each of blue, green, violet, yellow and orange)	E2396-9759	5	£69.22

Tubes not included. NOTE: Not suitable for use with microcentrifuge tubes. For benchtop use only, not suitable for direct use in liquid nitrogen.

Storage Racks

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

StarRack 80

	Description	Colour	Cat. No.	Pack Size	Price
	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. Alpha numeric reference grid. Rack does not have a lid, but an optional, natural polypropylene storage box with a hinged lid into which the racks fits can be used for extra security during freezer storage. Dimensions (WxDxH): 226 x 67 x 28 mm	Natural	E2380-5000	5	£14.52
		Blue, Green, Orange, Red, Violet, Yellow or Black*	E2380-500#	5	£15.37
		Mixed**	E2380-5008	5	£15.37
		Neon Blue	E2380-5041	5	£16.70
		Neon Green	E2380-5042	5	£16.70
		Neon Orange	E2380-5043	5	£16.70
		Neon Pink	E2380-5044	5	£16.70
		Neon Yellow	E2380-5046	5	£16.70
		Mixed Neon**	E2380-5048	5	£16.70
	Storage box for StarRack 80 Dimensions (WxDxH): 236 x 85 x 52 mm	Natural	E2390-5000	5	£16.10

*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 Black.
**Mixed pack contains one each of blue, green, orange, red and yellow. Mixed Neon pack contains one of each neon colour.

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

Expanding Work / Storage Rack

	Description	Colour	Cat. No.	Pack Size	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	E2364-1000	1	£26.51

Tubes not included. Can be used in the freezer racking on pages 154-155 and page 158.

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

Centrifuge Tube Storage Racks

	Description	Colour	Cat. No.	Pack Size	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 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	Mixed (contains one each of blue, green, violet, yellow and orange)	E2396-9769 (60-place for 15 ml Tubes)	5	£69.22
			E2396-9779 (18-place for 50 ml Tubes)	5	£69.22

Tubes not included. See also racks for centrifuge tubes on page 146.

Wire Storage Racks

Chemically-resistant epoxy-coated wire racks

- Suitable for use in the hood
- Temperature use: -80 °C to 121 °C
- Autoclavable

Wire Storage Racks					
	Description	**Rack Type**	**Cat. No.**	**Pack Size**	**Price**
	Racks for 7.0 ml bijou containers Chemically resistant epoxy-coated wire racks, blue. Suitable for tubes up 20 mm eg. 7.0 ml bijou containers. Dimensions (WxDxH): 12 place: 164 x 64 x 32 mm 50 place: 271 x 145 x 32 mm	12-Place 7.0 ml Bijou (2 x 6 format)	E2396-1612	1	£18.44
		50-Place 7.0 ml Bijou (10 x 5 format)	E2396-1650	1	£21.90
	Racks for 30 ml universal containers Chemically resistant epoxy-coated wire racks, blue. Suitable for tubes up to 28 mm eg. 30 ml universal containers. Dimensions (WxDxH): 12 place: 212 x 79 x 60 mm 50 place: 355 x 189 x 60 mm	12-Place 30 ml Universals (2 x 6 format)	E2396-1712	1	£20.17
		50-Place 30 ml Universals (10 x 5 format)	E2396-1750	1	£22.47
	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)	E2396-1515	1	£21.78
	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)	E2396-1550	1	£21.78
	72-place racks for blood collection tubes Chemically resistant epoxy-coated wire racks, blue. Suitable for 13 mm or 16 mm blood collection tubes 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 13 mm tubes (6 x 12 format)	E2396-7213	1	£19.60
		72-Place 16 mm tubes (6 x 12 format)	E2396-7216	1	£19.60

Tubes not included. Racks for 15 ml and 50 ml centrifuge tubes also available on page 145.

www.starlab.click/**tuberacks**

Multi-Tube Racks

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

Double-Sided StarRacks					
	Description	**Colour**	**Cat. No.**	**Pack Size**	**Price**
Double-sided! 	**StarRack 40** 40-place double-sided polypropylene rack suitable for use with: 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. Transparent, lift-off lid. Moulded matrix on both sides. Dimensions (WxDxH): 170 x 80 x 28 mm (50 mm high with lid)	Natural	E2340-4000	1	£8.95
		Neon Blue	E2340-4041	1	£8.95
		Neon Green	E2340-4042	1	£8.95
		Neon Orange	E2340-4043	1	£8.95
		Neon Pink	E2340-4044	1	£8.95
		Neon Yellow	E2340-4046	1	£8.95
		Mixed Neon*	E2340-3099	5	£43.56
Double-sided! 	**StarRack 64** 64-place double-sided polypropylene rack suitable for use with: 0.5 ml microcentrifuge or PCR tubes on one side, 1.5 / 2.0 ml microcentrifuge tubes on the other. Transparent, lift-off lid. Moulded matrix on both sides. Dimensions (WxDxH): 130 x 130 x 30 mm (50 mm high with lid) StarRack 64 can be used in the freezer racking on pages 154-155 and page 156 and in the racks for our new **Underbench Freezer on page 184**.	Natural	E2364-1010	1	£5.81
		Blue	E2364-1011	1	£6.41
		Green	E2364-1012	1	£6.41
		Orange	E2364-1013	1	£6.41
		Red	E2364-1014	1	£6.41
		Violet	E2364-1015	1	£6.41
		Yellow	E2364-1016	1	£6.41
		Black	E2364-1018	1	£6.39
		Mixed**	E2364-6099	5	£28.20
		Neon Blue	E2364-1041	1	£7.02
		Neon Green	E2364-1042	1	£7.02
		Neon Orange	E2364-1043	1	£7.02
		Neon Pink	E2364-1044	1	£7.02
		Neon Yellow	E2364-1046	1	£7.02
		Mixed Neon*	E2364-6048	5	£30.74
Double-sided! 	**StarRack 96** 96-place double-sided polypropylene rack suitable for use with: 0.5 ml microcentrifuge or PCR tubes on one side, 1.5 / 2.0 ml microcentrifuge tubes on the other. Transparent, lift-off lid. Moulded matrix on both sides. Dimensions (WxDxH): 222 x 114 x 28 mm (50 mm high with lid)	Natural	E2396-0010	1	£8.95
		Blue	E2396-0011	1	£9.68
		Green	E2396-0012	1	£9.68
		Orange	E2396-0013	1	£9.68
		Red	E2396-0014	1	£9.68
		Violet	E2396-0015	1	£9.68
		Yellow	E2396-0016	1	£9.68
		Black	E2396-0018	1	£9.68
		Mixed**	I2396-5099	5	£44.90
		Neon Blue	E2396-0041	1	£9.68
		Neon Green	E2396-0042	1	£9.68
		Neon Orange	E2396-0043	1	£9.68
		Neon Pink	E2396-0044	1	£9.68
		Neon Yellow	E2396-0046	1	£9.68
		Mixed Neon*	I2396-5048	5	£44.90

*Mixed neon packs contain one of each neon colour. **Mixed packs contain one each of blue, green, orange, red and yellow.

www.starlab.click/**starrack**

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.

Combi Racks

	Description	Colour	Cat. No.	Pack Size	Price
	Combi-Mini 80-place polypropylene rack for use with: 4 x 50 ml tubes (30 mm) 12 x 15 ml tubes (17 mm) 32 x 1.5 / 2.0 ml tubes (12 mm) 32 x 0.5 ml tubes (8 mm) Dimensions (WxDxH): 171 x 91 x 54 mm 	Natural	E2345-1000	1	£6.41
		Neon Blue	E2345-1041	1	£6.41
		Neon Green	E2345-1042	1	£6.41
		Neon Orange	E2345-1043	1	£6.41
		Neon Pink	E2345-1044	1	£6.41
		Neon Yellow	E2345-1046	1	£6.41
		Mixed Neon*	E2345-1099	5	£30.74
Two slightly different versions available, both designed to hold an array of tubes 	**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	E2346-1000	1	£18.64
		Neon Blue	E2346-1041	1	£18.64
		Neon Green	E2346-1042	1	£18.64
		Neon Orange	E2346-1043	1	£18.64
		Neon Pink	E2346-1044	1	£18.64
		Neon Yellow	E2346-1046	1	£18.64
		Mixed Neon*	E2346-1099	5	£89.80
	Combi-Max 96 96-place polypropylene rack for use with: 12 x 25 ml tubes (27 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	Blue	E2347-1001	1	£18.64
		Green	E2347-1002	1	£18.64
		Orange	E2347-1003	1	£18.64
		Red	E2347-1004	1	£18.64
		Violet	E2347-1005	1	£18.64
		Mixed**	E2347-1099	5	£89.80

Tubes not included. *Mixed packs contain one of each neon colour. **Mixed packs contain one of each colour.

TwisStar Rack

	Description	Colour	Cat. No.	Pack Size	Price
 	TwisStar 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) — 6 tubes per section PCR Plate — 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	E2344-1099	1	£32.91

Plate / tubes not included.

www.starlab.click/**tuberacks**

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

Three Tier Multi-Tube Rack					
	Description	**Colour**	**Cat. No.**	**Pack Size**	**Price**
	Three-Tier Multi Tube Rack Polypropylene rack with three tiers for different tubes: Top: 12 x 1.5 / 2.0 ml microcentrifuge tubes Middle: 14 x 0.5 ml microcentrifuge or PCR tubes Bottom: 24 x 0.2 ml PCR tubes. Racks can be used individually or connected side by side (as shown). Dimensions (WxDxH): 123 x 164 x 62 mm.	Mixed (Contains one each of: Blue, Green, Violet, Yellow, Orange, Natural)	E2313-1009	6	£23.11

Tubes not included.

Totally Tubular™					
	Description	**Colour**	**Cat. No.**	**Pack Size**	**Price**
	Totally Tubular™ Comprises four, 29-place polypropylene racks in a support tray. Suitable for use with: 2 x 50 ml centrifuge tubes (30 mm) 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	Yellow Blue Green Red	I2344-1000	1 Tray, 4 Cubes	£32.07
		Neon Green Neon Orange Neon Pink Neon Yellow	I2344-1040	1 Tray, 4 Cubes	£33.40

Tubes not included.

PCR Sample Racks

StarPCR Work Rack					
	Description	**Colour**	**Cat. No.**	**Pack Size**	**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)	E2396-5240	5	£37.16

Double-Sided PCR Work Rack					
	Description	**Colour**	**Cat. No.**	**Pack Size**	**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)	E2396-0599	5	£37.16

Tubes not included.

PCR Sample Racks

PCR Workstation

Polypropylene racks for the storage of PCR tubes, PCR strips and PCR plates, as well as 0.5 ml and 1.5/2.0 ml microcentrifuge tubes. Moulded, alpha-numeric matrix. The two different sized racks (Rack A and Rack B) can be combined to form the complete PCR Workstation. Racks can either be purchased separately or together as a complete workstation. Each rack is supplied with its own transparent, lift-off lid. Temperature use: -90 °C to 121 °C. Autoclavable.

PCR Workstation

	Description	Colour	Cat. No.	Pack Size	Price
	Rack A only (Satellite Rack) 96-place polypropylene rack to hold: 0.2 ml PCR tubes/strips or 1 x 96-well PCR plate. Each rack supplied with its own transparent, lift-off lid. Dimensions (WxDxH): 127 x 87 x 33 mm (with lid)	Neon Blue	E2396-1641	1	£5.81
		Neon Green	E2396-1642	1	£5.81
		Neon Orange	E2396-1643	1	£5.81
		Neon Pink	E2396-1644	1	£5.81
		Neon Yellow	E2396-1646	1	£5.81
		Mixed Neon*	E2396-9649	5	£26.99
	Rack B only (Workstation Rack) 72-place polypropylene rack to hold: 32 x 0.2 ml PCR tubes 16 x 0.5 ml microcentrifuge or PCR tubes 24 x 1.5/2.0 ml microcentrifuge tubes Each rack supplied with its own transparent, lift-off lid. Dimensions (WxDxH): 215 x 115 x 50 mm (with lid)	Neon Blue	E2396-1651	1	£12.83
		Neon Green	E2396-1652	1	£12.83
		Neon Orange	E2396-1653	1	£12.83
		Neon Pink	E2396-1654	1	£12.83
		Neon Yellow	E2396-1656	1	£12.83
		Mixed Neon*	E2396-9659	5	£60.27
	Racks A & B (complete PCR Workstation) Rack A (without lid) can be inserted into the designated area of Rack B Each rack supplied with its own transparent, lift-off lid	Neon Blue**	E2396-9691	1+1	£18.64
		Neon Green**	E2396-9692	1+1	£18.64
		Neon Orange**	E2396-9693	1+1	£18.64
		Neon Pink**	E2396-9694	1+1	£18.64
		Neon Yellow**	E2396-9696	1+1	£18.64
		Mixed Neon***	E2396-9669	5+5	£87.26

Tubes not included. *Pack contains 1 rack of each colour and 5 lids. **Pack contains 1 x Rack A/Lid and 1 x Rack B/Lid. ***Pack contains 5 x Rack A/Lids and 5 x Rack B/ Lids.

PCR Lock-Rack

	Description	Colour	Cat. No.	Pack Size	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)	E2344-2099	4 Racks, 2 Lids	£28.93

Tubes not included.

www.starlab.click/**pcrracks**

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.

StarChill Chiller Racks					
	Description	**Colour**	**Cat. No.**	**Pack Size**	**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 Estimated time at 4 °C: 3+ hours* Dimensions (WxDxH): 141 x 99 x 38 mm (44 mm high with lid)	Pink (warm) Purple (cold)	E2396-2004	2	£50.75
		Yellow (warm) Green (cold)	E2396-2006	2	£50.75
	StarChill MCT 24-well rack with lid, for use with: 0.5, 1.5 & 2.0 ml microcentrifuge or screw cap tubes Temperature colour change: 7 °C Estimated time at 4 °C: 3+ hours* Dimensions (WxDxH): 146 x 105 x 65 mm (70mm high with lid)	Pink (warm) Purple (cold)	E2396-5634	1	£44.90
		Yellow (warm) Green (cold)	E2396-5636	1	£44.90
	StarChill SBS 96-well rack without lid, for use on AUTOMATED SYSTEMS with: 0.2 ml single or strip PCR tubes, or or a 0.2 ml 96-well PCR Plate Temperature colour change: 7 °C Estimated time at 4 °C: 2+ hours* Dimensions (WxDxH): 128 x 85 x 26 mm	Pink (warm) Purple (cold)	E2396-5654	2	£47.44
		Yellow (warm) Green (cold)	E2396-5656	2	£47.44
New!	**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 hours Dimensions: 141 x 99 x 44 mm	White (warm) Blue (cold)	E2396-3008	2	£58.87

*Time will vary, depending on ambient temperature. All StarChill racks must be frozen for a minimum of 8 hours at -20 °C before use. Not Autoclavable.

Cooler Containers

Containers for temperature sensitive samples

Rigid moulded polyurethane containers for chilling your temperature sensitive samples. The Cooler Containers provide excellent insulation properties for very low temperature use with ice and ice-salt slurries. The snug-fitting lid minimises evaporation. Carrying handles. Handy pour spout for easy emptying. Tapered sides allow stacking when not in use. Temperature use down to -196 °C.

Cooler Containers				
Description	**Dimensions (WxDxH)**	**Cat. No.**	**Pack Size**	**Price**
1 Litre Square Cooler Container, Green	270 x 195 x 115 mm	E2396-6002	1	£87.55
4 Litre Round Cooler Container, Black	235 Ø x 180 mm	E2396-6008	1	£87.55
4 Litre Oblong Cooler Container, Blue	380 x 250 x 140 mm	E2396-6001	1	£87.55
9 Litre Oblong Cooler Container, Red	521 x 295 x 165 mm	E2396-6004	1	£114.49

Rack/Tubes not included. Note: Not autoclavable or microwavable.

Transport Cases & Coolers

Transport Cases & Coolers					
	Description	**Colour**	**Cat. No.**	**Pack Size**	**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	I6348-1515	1	£258.18
Protects cells & biologicals 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	I6342-4270	1	£258.18
Perfect for the transportation 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	I6308-1515	1	£90.05
Maintain low-temperature storage of reagents, cells and enzymes removed from the freezer	**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 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	White (0°C Rack)	I2312-2720	1	£71.42
		Blue (-20°C Rack)	I2312-2721	1	£71.42

Tubes not included.

Ice Bath / Floating Rack

Ice Bath / Floating Rack					
	Description	**Colour**	**Cat. No.**	**Pack Size**	**Price**
Use the insert in the hinged storage box supplied and pack with ice for a mini ice-bath, or remove the insert and use to float tubes in the waterbath!	**Ice Bath / Floating Rack** A versatile rack that can be used as a mini ice bath, or remove the insert and float tubes in the waterbath. Holds 24 x 1.5/2.0 ml tubes, or 14 x 0.5 ml tubes, or a combination of both Temperature use: -80 °C to 121 °C. Autoclavable	Blue	I2324-5000	5	£45.24

Tubes not included.

Stainless Steel Freezer Storage

Stainless Steel Tube Racks

Mirror-finish stainless steel (SS) tube racks for use on the bench or in the fridge or freezer.

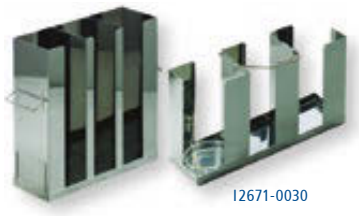
Description	Use With:	Max. Cap Ø	Dimensions (WxDxH)	Cat. No	Price Each
72-Place SS Rack (11mm Ø holes)	Microcentrifuge Tubes, Screw Cap Microtubes	20 mm	252 x 125 x 30 mm	I2671-7211	£38.30
50-Place SS Rack for Tall Tubes (13 mm Ø holes)	Taller Screw Cap Tubes, Cryovials, 12x75 FACS Tubes	20 mm	207 x 108 x 60 mm	I2671-5013	£53.59
78-Place SS Rack (14 mm Ø holes)	Vacutainers (13 mm)	18 mm	252 x 125 x 60 mm	I2671-7814	£59.97
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	I2671-5018	£53.59
50-Place SS Rack (20 mm Ø holes)	7.0 ml Bijou Containers	24 mm	255 x 130 x 30 mm	I2671-5020	£46.01
70-place SS Rack (30 mm Ø holes)	30 ml Universal Containers	30 mm	268 x 377 x 45 mm	I2671-7030	£80.80
28-Place SS Rack (25 mm Ø holes)	30 ml Universal Containers	35 mm	252 x 145 x 80 mm	I2671-2825	£53.59
28-Place SS Rack (30 mm Ø holes)	50 ml Centrifuge Tubes	35 mm	252 x 145 x 80 mm	I2671-2830	£53.59

Tubes not included.

Stainless steel petri dish racks

Petri dish racks for use on the bench, in the fridge or in the freezer. All racks have a card holder on the front, and a fold-down handle. Note: The open racks are the same, except I2671-0060 is supplied with three removable SS inserts which fit into each of the compartments to enable the storage of 50 mm/60 mm dishes.

I2671-0057



I2671-0030

Stainless Steel Petri Dish Racks

Description	Dimensions (WxDxH)	Cat. No.	Price Each
Open Racks			
Petri Dish Rack for 30 x 100 mm Ø Dishes or 60 x 50 mm/60 mm Ø Dishes	324 x 110 x 167 mm	I2671-0060	£80.57
Petri Dish Rack for 30 x 100 mm Ø Dishes	324 x 110 x 167 mm	I2671-0030	£52.27
Solid Rack			
Petri Dish Rack for 57 x 100 mm Ø Petri Dishes	324 x 110 x 314 mm	I2671-0057	£95.74

NOTE: Dish capacity per rack is based on 16.2 mm high petri dishes.

Stainless steel bins

Stainless steel bins offer 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.

See also the stainless steel freezer racking with pull out bins on page 156

Stainless Steel Bins

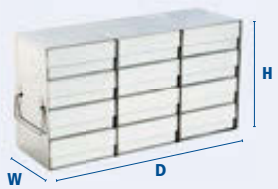
Description	Dimensions (WxDxH)	Cat. No.	Price Each
139 mm Wide Stainless Steel Bin with Lid (420 x 225)	139 x 420 x 225 mm	I2671-3911	£118.71
139 mm Wide Stainless Steel Bin with Lid (560 x 225)	139 x 560 x 225 mm	I2671-3912	£124.50
139 mm Wide Stainless Steel Bin with Lid (560 x 280)	139 x 560 x 280 mm	I2671-3913	£130.29
139 mm Wide Stainless Steel Bin with Lid (560 x 325)	139 x 560 x 325 mm	I2671-3914	£136.09
139 mm Wide Stainless Steel Bin with Lid (560 x 385)	139 x 560 x 385 mm	I2671-3915	£141.87
139 mm Wide Stainless Steel Bin with Lid (680 x 225)	139 x 680 x 225 mm	I2671-3916	£130.29
278 mm Wide Stainless Steel Bin with Lid (420 x 225)	278 x 420 x 225 mm	I2672-7811	£136.09
278 mm Wide Stainless Steel Bin with Lid (420 x 280)	278 x 420 x 280 mm	I2672-7812	£141.87
278 mm Wide Stainless Steel Bin with Lid (560 x 225)	278 x 560 x 225 mm	I2672-7813	£141.87
278 mm Wide Stainless Steel Bin with Lid (560 x 280)	278 x 560 x 280 mm	I2672-7814	£147.67
278 mm Wide Stainless Steel Bin with Lid (560 x 325)	278 x 560 x 325 mm	I2672-7815	£153.46
278 mm Wide Stainless Steel Bin with Lid (680 x 225)	278 x 680 x 225 mm	I2672-7816	£147.67

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

Freezer racking with side access for standard storage boxes up to 136 x 136 x 55 mm

Suitable for use with:

- 50 mm high cardboard storage boxes, pages 138 - 139
- StarStore 130 x 130mm range of storage boxes, page 140
- Cryogenic storage boxes (except 25-place and 81-Place Tall), pages 143–144
- Expanding work rack on page 145
- StarRack 64, page 147
- Any storage box up to 136 x 136 x 55 mm

I2602-3400
Stainless steel rack with side access

Stainless Steel Racks with Side Access for Upright Freezers

Description	Boxes Deep	Boxes High	Dimensions (WxDxH)	Cat. No.	Price Each
9-Place SS Rack	3	3	139 x 419 x 168 mm	I2602-3300	£115.82
12-Place SS Rack	3	4	139 x 419 x 221 mm	I2602-3400	£118.72
15-Place SS Rack	3	5	139 x 426 x 276 mm	I2602-3500	£110.50
12-Place SS Rack	4	3	139 x 558 x 168 mm	I2602-4300	£118.71
16-Place SS Rack	4	4	139 x 558 x 221 mm	I2602-4400	£121.88
20-Place SS Rack	4	5	139 x 558 x 276 mm	I2602-4500	£124.50
24-Place SS Rack	4	6	139 x 558 x 331 mm	I2602-4600	£143.32
28-Place SS Rack	4	7	139 x 558 x 386 mm	I2602-4700	£149.12
15-Place SS Rack	5	3	139 x 697 x 168 mm	I2602-5300	£136.09
20-Place SS Rack	5	4	139 x 697 x 221 mm	I2602-5400	£140.43
25-Place SS Rack	5	5	139 x 697 x 276 mm	I2602-5500	£149.12
30-Place SS Rack	5	6	139 x 697 x 331 mm	I2602-5600	£154.90

Boxes not included.

I2612-4500
Aluminium rack with side access

Aluminium Racks with Side Access for Upright Freezers

Description	Boxes Deep	Boxes High	Dimensions (WxDxH)	Cat. No.	Price Each
9-Place Aluminium Rack	3	3	139 x 419 x 168 mm	I2612-3300	£98.44
12-Place Aluminium Rack	3	4	139 x 419 x 221 mm	I2612-3400	£101.34
15-Place Aluminium Rack	3	5	139 x 426 x 276 mm	I2612-3500	£104.23
12-Place Aluminium Rack	4	3	139 x 558 x 168 mm	I2612-4300	£101.34
16-Place Aluminium Rack	4	4	139 x 558 x 221 mm	I2612-4400	£104.23
20-Place Aluminium Rack	4	5	139 x 558 x 276 mm	I2612-4500	£105.68
24-Place Aluminium Rack	4	6	139 x 558 x 331 mm	I2612-4600	£121.61
28-Place Aluminium Rack	4	7	139 x 558 x 386 mm	I2612-4700	£127.40
15-Place Aluminium Rack	5	3	139 x 697 x 168 mm	I2612-5300	£115.82
20-Place Aluminium Rack	5	4	139 x 697 x 221 mm	I2612-5400	£118.71
25-Place Aluminium Rack	5	5	139 x 697 x 276 mm	I2612-5500	£127.40
30-Place Aluminium Rack	5	6	139 x 697 x 331 mm	I2612-5600	£131.73

Boxes not included.

Freezer racking with pull out shelves for standard storage boxes up to 136 x 136 x 55 mm

I2632-4400
Stainless steel racks with pull out shelves have a 'stop'' to prevent the shelves falling out.
See page 154 for the list of storage boxes that can be used in this racking.

Stainless Steel Racks with Pull Out Shelves for Upright Freezers

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	I2632-3300	£196.41
12-Place SS Rack, Pull Out Shelves	3	4	140 x 421 x 228 mm	I2632-3400	£199.79
15-Place SS Rack, Pull Out Shelves	3	5	140 x 421 x 285 mm	I2632-3500	£214.26
12-Place SS Rack, Pull Out Shelves	4	3	140 x 558 x 171 mm	I2632-4300	£196.89
16-Place SS Rack, Pull Out Shelves	4	4	140 x 558 x 228 mm	I2632-4400	£202.69
20-Place SS Rack, Pull Out Shelves	4	5	140 x 558 x 285 mm	I2632-4500	£214.26
24-Place SS Rack, Pull Out Shelves	4	6	140 x 558 x 340 mm	I2632-4600	£225.85
28-Place SS Rack, Pull Out Shelves	4	7	140 x 558 x 398 mm	I2632-4700	£237.43
15-Place SS Rack, Pull Out Shelves	5	3	140 x 696 x 171 mm	I2632-5300	£214.26
20-Place SS Rack, Pull Out Shelves	5	4	140 x 696 x 228 mm	I2632-5400	£225.85
25-Place SS Rack, Pull Out Shelves	5	5	140 x 696 x 285 mm	I2632-5500	£237.43
30-Place SS Rack, Pull Out Shelves	5	6	140 x 696 x 340 mm	I2632-5600	£249.01

Boxes not included.

Freezer racking for other heights of storage box

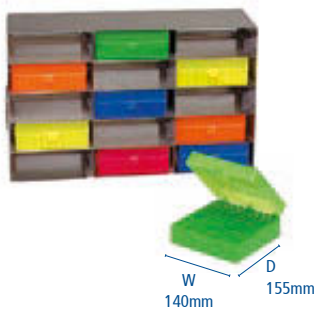
Freezer racking with side access or pull out shelves is also available for the 32 mm, 75 mm and 100 mm high cardboard stroage boxes on pages 138-139.

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 141).

I2610-1500
Stainless steel rack with side access.
(Boxes not included)



StarStore 100 storage boxes for use in these racks are available on page 141

Stainless Steel Racks with Side Access for Upright Freezers (StarStore 100)

Description	Boxes Deep	Boxes High	Dimensions (WxDxH)	Cat. No.	Price Each
8-Place SS Rack	2	4	160 x 300 x 240 mm	I2610-0800	£127.65
12-Place SS Rack	3	4	160 x 452 x 240 mm	I2610-1200	£153.19
15-Place SS Rack	3	5	160 x 452 x 300 mm	I2610-1500	£159.57

Stainless Steel Racks, Pull Out Shelves for Upright Freezers (StarStore 100)

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	I2610-0920	£191.48
12-Place SS Rack, Pull Out Shelves	3	4	165 x 450 x 248 mm	I2610-1220	£229.78
16-Place SS Rack, Pull Out Shelves	4	4	165 x 596 x 248 mm	I2610-1620	£255.31

NOTE: StarStore 100 boxes sit sideways on the shelves in the racking above (hinge to the side).

Stainless Steel Racks, Pull Out Shelves for Upright Freezers (StarStore 100)

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	I2611-1200	£151.40
15-Place SS Rack, Shallow Pull Out Shelves	3	5	155 x 559 x 294 mm	I2611-1500	£172.04
16-Place SS Rack, Shallow Pull Out Shelves	4	4	155 x 673 x 235 mm	I2611-1600	£172.04
20-Place SS Rack, Shallow Pull Out Shelves	4	5	155 x 673 x 300 mm	I2611-2000	£200.72
21-Place SS Rack, Shallow Pull Out Shelves	3	7	155 x 559 x 410 mm	I2611-2100	£223.65
24-Place SS Rack, Shallow Pull Out Shelves	4	6	155 x 673 x 360 mm	I2611-2400	£240.85

NOTE: StarStore 100 boxes sit forwards on the shelves in the racking above (hinge to the back).

www.starlab.click/**freezerracking**

Download our **Freezer Racking Guides** 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.

Stainless Steel Bin Racks for Upright Freezers			
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	£199.79
139 mm Wide 2-Bin Stainless Steel Rack (560 x 225)	139 x 560 x 225 mm	12671-3922	£211.37
139 mm Wide 2-Bin Stainless Steel Rack (560 x 280)	139 x 560 x 280 mm	12671-3923	£225.85
139 mm Wide 2-Bin Stainless Steel Rack (560 x 385)	139 x 560 x 385 mm	12671-3924	£249.01
139 mm Wide 2-Bin Stainless Steel Rack (680 x 280)	139 x 680 x 280 mm	12671-3925	£234.52
278 mm Wide 2-Bin Stainless Steel Rack (420 x 225)	278 x 420 x 225 mm	12672-7821	£253.35
278 mm Wide 2-Bin Stainless Steel Rack (560 x 225)	278 x 560 x 225 mm	12672-7822	£267.83
278 mm Wide 2-Bin Stainless Steel Rack (560 x 280)	278 x 560 x 280 mm	12672-7823	£267.83
278 mm Wide 2-Bin Stainless Steel Rack (560 x 385)	278 x 560 x 385 mm	12672-7824	£311.25
278 mm Wide 2-Bin Stainless Steel Rack (680 x 280)	278 x 680 x 280 mm	12672-7825	£296.78

See also the single, stainless steel bins on page 153

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

The pull out trays contain poly-propylene dividers for the direct storage of tubes up to 12.5 mm diameter, eg. 1.5 / 2.0 ml micro-centrifuge or screw cap tubes.

Also available for chest freezers.
Contact STARLAB for details.

Stainless Steel Racks for Upright Freezers (1.5/2.0ml Tubes)						
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	£268.55
5-Tray SS Rack	5	2100	54 mm	140 x 556 x 280 mm	12670-2100	£316.24
7-Tray SS Rack	7	2940	57 mm	140 x 556 x 410 mm	12670-2940	£428.00
4-Tray SS Rack	4	1848	57 mm	160 x 556 x 235 mm	12670-1848	£283.24
5-Tray SS Rack	5	2310	54 mm	160 x 556 x 280 mm	12670-2310	£333.83
7-Tray SS Rack	7	3234	57 mm	160 x 556 x 410 mm	12670-3234	£451.48
4-Tray SS Rack	4	1760	57 mm	140 x 595 x 235 mm	12670-1760	£273.73
5-Tray SS Rack	5	2200	54 mm	140 x 595 x 280 mm	12670-2200	£322.99
7-Tray SS Rack	7	3080	57 mm	140 x 595 x 410 mm	12670-3080	£433.78
4-Tray SS Rack	4	1936	57 mm	160 x 595 x 235 mm	12670-1936	£291.56
5-Tray SS Rack	5	2420	54 mm	160 x 595 x 280 mm	12670-2420	£344.90
7-Tray SS Rack	7	3388	57 mm	160 x 595 x 410 mm	12670-3388	£463.41

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.

Stainless Steel Racks for Upright Freezers (15ml & 50ml Tubes)				
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	£237.35
120-Place SS Rack for 15 ml Tubes	2	140 x 419 x 252 mm	12615-3600	£191.48
160-Place SS Rack for 15 ml Tubes	2	140 x 559 x 252 mm	12615-2600	£210.63
60-Place SS Rack for 50 ml Tubes	2	140 x 419 x 252 mm	12650-3600	£191.48
78-Place SS Rack for 50 ml Tubes	2	140 x 559 x 252 mm	12650-2600	£210.63

Tubes not included. Image for illustrative purposes only to show storage of 15 ml and 50 ml tubes.

Freezer racking with side access for 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.

I2652-7800

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

Stainless Steel Racks, Side Access for Upright Freezers (Plates)

Description	Compartment Height	Plate Array*	Dimensions (WxDxH)	Cat. No.	Price Each
45-Place SS Rack for Low-Profile Plates	16 mm	9 high x 5 deep	135 x 450 x 153 mm	I2652-4500	£249.93
78-Place SS Rack for Low-Profile Plates	16 mm	13 high x 6 deep	135 x 540 x 221 mm	I2652-7800	£272.34
112-Place SS Rack for Low-Profile Plates	16 mm	16 high x 7 deep	135 x 630 x 272 mm	I2652-1120	£254.50
30-Place SS Rack for Microplates	25 mm	6 high x 5 deep	135 x 450 x 159 mm	I2652-3000	£206.40
20-Place SS Rack for Deepwell Plates	45 mm	4 high x 5 deep	135 x 450 x 186 mm	I2652-2000	£163.41

*Based on one plate per compartment.

Aluminium Racks, Side Access for Upright Freezers (Plates)

Description	Compartment Height	Plate Array*	Dimensions (WxDxH)	Cat. No.	Price Each
45-Place Aluminium Rack for Low-Profile Plates	16 mm	9 high x 5 deep	135 x 450 x 153 mm	I2662-4500	£200.68
78-Place Aluminium Rack for Low-Profile Plates	16 mm	13 high x 6 deep	135 x 540 x 221 mm	I2662-7800	£217.87
112-Place Aluminium Rack for Low-Profile Plates	16 mm	16 high x 7 deep	135 x 540 x 221 mm	I2662-1120	£240.81
30-Place Auminium Rack for Microplates	25 mm	6 high x 5 deep	135 x 630 x 272 mm	I2662-3000	£164.84
20-Place Aluminium Rack for Deepwell Plates	45 mm	4 high x 5 deep	135 x 450 x 186 mm	I2662-2000	£130.43

*Based on one plate per compartment.

Freezer racking with pull out shelves for plates

I2653-2000

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.

Stainless Steel Racks, Pull Out Shelves for Upright Freezers (Plates)

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	I2653-4500	£451.52
78-Place SS Rack for Low-Profile Plates, Pull Out Shelves	16 mm	13	6	135 x 540 x 221 mm	I2653-7800	£494.52
112-Place SS Rack for Low-Profile Plates, Pull Out Shelves	16 mm	16	7	135 x 630 x 272 mm	I2653-1120	£544.69
30-Place SS Rack for Microplates, Pull Out Shelves	25 mm	6	5	135 x 450 x 159 mm	I2653-3000	£351.18
48-Place SS Rack for Microplates, Pull Out Shelves	25 mm	8	6	135 x 540 x 212 mm	I2653-4800	£450.82
60-Place SS Rack for Microplates, Pull Out Shelves	25 mm	10	6	135 x 540 x 265 mm	I2653-6000	£482.62
20-Place SS Rack for Deepwell Plates, Pull Out Shelves	45 mm	4	5	135 x 450 x 186 mm	I2653-2000	£258.01

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

Freezer racking for standard storage boxes up to 136 x 136 x 55 mm
The racks on this page are suitable for use with:

- 50 mm high cardboard storage boxes, pages 138 and 139
- StarStore 130 x 130mm range of storage boxes, page 140
- Cryogenic storage boxes (except 25-place and 81-Place Tall), pages 143 and 144
- Expanding work rack, page 145
- StarRack 64, page 147
- Any storage box up to 136 x 136 x 55 mm

Stainless steel racking with locking rod to hold boxes in place

I2602-6000

Stainless steel racking with spring lock to hold boxes in place

I2612-1100

Stainless Steel Locking Rod Racks for Chest Freezers

Description	Dimensions (WxDxH)	Cat. No.	Price Each
3-High SS Rack, Locking Rod	140 x 140 x 170 mm	I2602-3000	£82.52
5-High SS Rack, Locking Rod	140 x 140 x 280 mm	I2602-5000	£85.42
6-High SS Rack, Locking Rod	140 x 140 x 335 mm	I2602-6000	£86.87
7-High SS Rack, Locking Rod	140 x 140 x 390 mm	I2602-7000	£91.20
8-High SS Rack, Locking Rod	140 x 140 x 445 mm	I2602-8000	£102.12
9-High SS Rack, Locking Rod	140 x 140 x 500 mm	I2602-9000	£105.39
10-High SS Rack, Locking Rod	140 x 140 x 555 mm	I2602-1000	£97.00
11-High SS Rack, Locking Rod	140 x 140 x 610 mm	I2602-1100	£98.44
12-High SS Rack, Locking Rod	140 x 140 x 665 mm	I2602-1200	£99.89
13-High SS Rack, Locking Rod	140 x 140 x 720 mm	I2602-1300	£103.06

Boxes not included.

Stainless Steel Spring Lock Racks for Chest Freezers

Description	Dimensions (WxDxH)	Cat. No.	Price Each
3-High SS Rack, Spring Lock	140 x 140 x 170 mm	I2613-3000	£89.76
5-High SS Rack, Spring Lock	140 x 140 x 280 mm	I2613-5000	£94.10
6-High SS Rack, Spring Lock	140 x 140 x 335 mm	I2613-6000	£97.00
7-High SS Rack, Spring Lock	140 x 140 x 390 mm	I2613-7000	£99.90
8-High SS Rack, Spring Lock	140 x 140 x 445 mm	I2613-8000	£105.68
9-High SS Rack, Spring Lock	140 x 140 x 500mm	I2613-9000	£121.30
10-High SS Rack, Spring Lock	140 x 140 x 555 mm	I2613-1000	£111.47
11-High SS Rack, Spring Lock	140 x 140 x 610 mm	I2613-1100	£115.82
12-High SS Rack, Spring Lock	140 x 140 x 665 mm	I2613-1200	£120.16
13-High SS Rack, Spring Lock	140 x 140 x 720 mm	I2613-1300	£123.06

Boxes not included.

Aluminium Racks for Chest Freezers

Description	Dimensions (WxDxH)	Cat. No.	Price Each
3-High Aluminium Rack	140 x 140 x 170 mm	I2612-3000	£70.94
5-High Aluminium Rack	140 x 140 x 280 mm	I2612-5000	£72.39
6-High Aluminium Rack	140 x 140 x 335 mm	I2612-6000	£73.83
7-High Aluminium Rack	140 x 140 x 390 mm	I2612-7000	£76.73
8-High Aluminium Rack	140 x 140 x 445 mm	I2612-8000	£79.62
9-High Aluminium Rack	140 x 140 x 500 mm	I2612-9000	£81.07
10-High Aluminium Rack	140 x 140 x 555 mm	I2612-1000	£82.52
11-High Aluminium Rack	140 x 140 x 610 mm	I2612-1100	£83.97
12-High Aluminium Rack	140 x 140 x 665 mm	I2612-1200	£85.42
13-High Aluminium Rack	140 x 140 x 720 mm	I2612-1300	£88.31

Boxes not included.

StarStore 100 storage boxes are available on page 141

I2610-2100

Freezer racking for StarStore 100 storage boxes

Stainless steel racking for chest freezers for use with our most popular storage box, the **StarStore 100** (page 141). Locking bar secures boxes in place.

Stainless Steel Racks for Chest Freezers for StarStore 100 Boxes			
Description	**Dimensions (WxDxH)**	**Cat. No.**	**Price Each**
8-High SS Rack for StarStore 100	147 x 159 x 479 mm	I2610-1800	£108.50
9-High SS Rack for StarStore 100	147 x 159 x 538 mm	I2610-1900	£114.89
10-High SS Rack for StarStore 100	147 x 159 x 596 mm	I2610-2000	£121.27
11-High SS Rack for StarStore 100	147 x 159 x 655 mm	I2610-2100	£127.65
12-High SS Rack for StarStore 100	147 x 159 x 714 mm	I2610-2200	£134.04

Boxes not included. Suitable for use with StarStore 100 Storage Boxes (page 141).

Freezer and liquid nitrogen racking for cryogenic storage boxes

This stainless steel racking for chest freezers is suitable for use with the **25-place or 81-place tall cryogenic storage boxes** (page 143). The racking can be used in the freezer or submerged in liquid nitrogen.

I2602-1325 I2602-5081

Stainless steel racking with locking rod to hold boxes in place

Stainless Steel Racks for Chest Freezers (25-Place)			
Description	**Dimensions (WxDxH)**	**Cat. No.**	**Price Each**
13-High SS Rack for 25-Place Cryogenic Storage Box	82 x 86 x 750 mm	I2602-1325	£121.27

Storage boxes not included. Suitable for use with 25-place cryogenic storage boxes (page 143).

Stainless Steel Racks for Chest Freezers (81-Place Tall)			
Description	**Dimensions (WxDxH)**	**Cat. No.**	**Price Each**
3-High SS Rack for 81-Place Tall Cryogenic Storage Box	140 x 140 x 320 mm	I2602-3081	£86.87
4-High SS Rack for 81-Place Tall Cryogenic Storage Box	140 x 140 x 425 mm	I2602-4081	£91.20
5-High SS Rack for 81-Place Tall Cryogenic Storage Box	140 x 140 x 530 mm	I2602-5081	£97.00
6-High SS Rack for 81-Place Tall Cryogenic Storage Box	140 x 140 x 635 mm	I2602-6081	£101.34

Suitable for use with 81-place tall cryogenic storage boxes (page 143) or any other storage box up to (WxDXH) 136 x 136 x 100 mm.

www.starlab.click/**freezerracking**

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

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)

CUSTOM RACKS BUILD your OWN available on request

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**

Slide Storage Cabinets				
Description	**Colours Available***	**Dimensions (WxDxH)**	**Cat. No.**	**Price Each**
Top Cover for Slide Storage Cabinets	Blue, Green, Black	480 x 480 x 25 mm	E1500-10##	£68.13
14-Drawer Slide Cabinet**	Blue, Green	480 x 480 x 140 mm	E1500-11##	£329.32
7-Drawer Slide Cabinet**	Blue, Green	480 x 480 x 140 mm	E1500-12##	£306.61
8-Drawer Block Store	Blue, Green	480 x 480 x 280 mm	E1500-13##	£391.77
Base Stand	Black	480 x 480 x 130 mm	E1500-1408	£85.17

*To order colour required, replace ## as last digits of Cat. No. with: 01 for Blue, 02 for Green, 08 for Black.
**Note that drawers do not contain inserts for holding individual slides.

Slide Storage Trays

Cardboard Slide Storage Tray					
	Description	**Capacity**	**Pack Size**	**Cat. No.**	**Price**
	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. Dimensions (WxDxH): 20-Place: 208 x 341 x 9 mm. 30-Place: 281 x 328 x 10 mm	20 Slides	10	E1500-2009	£29.53
		30 Slides	10	E1500-3009	£51.32

Slide Mailers

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

Holds 5 slides
Internal slotted channels keep slides separated

End-Opening Slide Mailers				
Description	**Colour**	**Pack Size**	**Cat. No.**	**Price**
End-Opening Slide Mailer	Natural	25	E1500-4000	£15.37
End-Opening Slide Mailer	Mixed*	25	E1500-4099	£15.37

Slides not included. *Mixed pack contains five each of: Blue, Orange, Red, Violet, Yellow.
Dimensions (WxDxH): 43 x 88 x 24 mm.

Holds 2 slides
Internal recess keeps slides secure

2-Place Slide Mailers				
Description	**Colour**	**Pack Size**	**Cat. No.**	**Price**
2-Place Slide Mailer	Mixed*	25	E1400-2099	£14.52

Slides not included. *Mixed pack contains five each of: Blue, Orange, Red, Violet, Yellow.
Dimensions (WxDxH): 68 x 93 x 5 mm.

Smart Instruments

Easy to use!

Smart, practical instruments which are robust and reliable, and fit on any laboratory bench.

MIXERS
Mixer HC 164–165
Aspirator 166–168
Rotator Mixer RM-Multi 1 169
Microplate Mixer 170
Vortex 171
Vortex IR 172
Tube Roller 173

SHAKERS
Orbital Shaker 174
Rocking & Rocking 3D Shaker 175

STIRRERS
Magnetic Stirrer 176
Magnetic Stirrer with Heating 176

DRY BATH INCUBATORS
Mini Dry Bath 177
Single & Dual Block Dry Baths 178
Bath Beads 179

CENTRIFUGES
Mini Fuge 180
Plate Centrifuge 181

PCR CABINETS
Airclean® PCR Cabinets 182–183

FREEZER
Underbench Freezer 184

Mixer HC

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

The Mixer HC is suitable for a wide range of applications due a selection of exchangeable thermoblocks (sold separately) available for all 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 Mixer HC is very easy to use due to intuitive setting of parameters and simple programming. The robust construction despite its small footprint makes the Mixer HC your new companion for your daily lab work.

Mixer HC features

- Mixing, heating and cooling combined in one instrument
- Nine exchangeable thermoblocks for maximum flexibility (sold separately)
- Easy operation due to clear menu navigation and simple parameter setting
- INTERVAL MIX function for alternating between mixing and resting
- PROGRAM mode for creation of individual protocol
- SHORT MIX function for instant mixing at the push of a button
- 2-year warranty

Exchangebable Thermoblocks for the Mixer HC

Nine different thermoblocks for a wide range of tube and plate formats are available.

Thermoblock features

- Exchangeable thermoblocks for maximum flexibility
- Automatic thermoblock recognition simplifies exchange between blocks
- Precise temperature control and broad temperature range for reliable and reproducible sample preparation

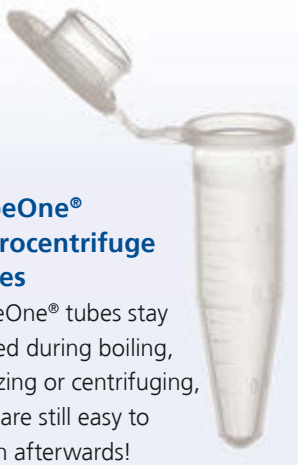
Mixer HC			
Description	**Pack Size**	**Cat. No.**	**Price**
Mixer HC	1	S8012-0000	£1,621.49
Accessories			
Thermoblock 24 x 0.5 ml Microcentrifuge Tubes[1)]	1	S8012-0010	£332.01
Thermoblock 24 x 1.5 ml Microcentrifuge Tubes[2)]	1	S8012-0011	£332.01
Thermoblock 24 x 2.0ml Microcentrifuge Tubes Ø 11mm[2)3)]	1	S8012-0012	£332.01
Thermoblock 24 x 2.0ml Microcentrifuge Tubes Ø 12mm[2)4)]	1	S8012-0013	£416.87
Thermoblock 8 x 5.0 ml Preparation Tubes	1	S8012-0014	£332.01
Thermoblock 8 x 15 ml Conical Centrifuge Tubes	1	S8012-0015	£332.01
Thermoblock 4 x 50 ml Conical Centrifuge Tubes	1	S8012-0016	£332.01
Thermoblock 24 x 1.5 ml - 2.0 ml cryogenic tubes	1	S8012-0017	£332.01
Thermoblock for Micro/Deepwell Plates, with Lid	1	S8012-0018	£416.87
Adapter Plate 96 x 0.2 ml (for Thermoblock S8012-0018)	1	S8012-0019	£113.93
ISO-Rack for 24 x 0.5 ml Microcentrifuge Tubes	1	S8012-0020	£48.07
ISO-Rack for 24 x 1.5 / 2.0 ml Microcentrifuge Tubes	1	S8012-0021	£47.16

[1)] Iso-Rack S8102-0020 for 0.5 ml microcentrifuge tubes included.
[2)] Iso-Rack S8012-0021 for 1.5/2.0 ml microcentrifuge tubes included.
[3)] Rounded Bottoms
[4)] V-Shaped Bottoms

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.

Technical specifications	
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 frequencies for thermoblocks	
0.5 ml microcentrifuges tubes	300 - 1500 1/min
1.5 / 2.0 ml microcentrifuges tubes	300 - 1400 1/min
Microplates / deepwell plates	300 - 800 1/min when loading>200 g
15 ml & 50 ml conical centrifuges tubes	300 - 750 1/min
5.0 ml preparation tubes	300 - 750 1/min
Cryogenic tubes	300 - 1400 1/min
Type of movement	Orbital (3 mm)
Operation	Mixing, temperature control, simultaneos mixing and temperature control
Cooling rate	2 to 3 °C/min
Heating rate	5 °C/min
Timer	1 min to 99:59 hours, infinitely adjustable
General Unit Specifications	
Power supply	100 – 240 V, 50/60 Hz
Max. power consumption	90 W
Operating temperature	4 to 35 °C
Dimensions (W × D × H)	220 × 250 × 125 mm
Interfaces	RS-232, Sub-D9 male
Weight	3.2 kg
Permissible Relative Humidity	70 % max.



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.

See page 78 for more information

www.starlab.click/**mixerhc**

Aspirator

Hand controllers without any loss of performance!

The STARLAB Aspirator is designed for safe and comfortable 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

- Chemically-resistant, high performance pump with long service life
- The powerful pump can operate two hand controllers without any loss of performance
- Ergonomic, fully autoclavable hand controller with flow through suction tube for quick yet safe action
- Auto ON-OFF pump switch with low noise emission for a quieter working enviroment
- Hydrophobic filter prevents contamination of environment and provides overfill protection
- Collection bottles made from polypropylene or coated glass can be autoclaved with filters attached for safe handling
- 1-year waranty

Well prepared!

Best solution

Our Aspirator and our CytoOne® Bottle Top Filtration Units provide the perfect combination for sterile filtration of cell culture solutions.

Product features

- Fastest filtration system in the market
- 0.2 µm PES membrane
- Low protein binding
- Easy handling
- STARLAB quality guaranteed

The functional, ergonomically-designed hand controller is fully autoclavable. Pressing the lever allows fine adjustment of the suction power and permanent suction can also be enabled. The continuous tubing prevents contamination of the interior of the hand controller so only the tubing needs cleaning, not the hand controller itself. Adapters for pipettes and pipette tips (200, 300 and 1000 µl) and a wall mount are supplied with the hand controller.

Experience workplace convenience with the functional stainless stand (N2400-9004) and the single-channel adapter with ejector for 200 ul pipette tips.

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

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

2L glass bottle offers the highest chemical resistance for working with aggressive disinfectants.

The high performance pump allows the simultaneous use of an additional hand controller.

Aspirator			
Description	**Pack Size**	**Cat. No.**	**Price**
Aspirator incl. 4l bottle & controller	1	N2400-9000	£1,515.00
Accessories			
Hand Controller for Aspirator[2)]	1	N2400-9001	£130.72
1-Channel Tip Adapter for Controller	1	N2400-9002	£47.32
8-Channel Tip Adapter for Controller[1)]	1	N2400-9003	£351.18
Stand for Hand Controller	1	N2400-9004	£74.06
Tubing for Hand Controller, 2.5 m	1	N2400-9005	£10.66
Connection Kit for Second Hand Controller	1	N2400-9006	£30.30
Protection Filter with Connective Tubing	1	N2400-9007	£20.94
Quick Coupling Hand Controller to Bottle	1	N2400-9008	£94.06
Quick Coupling Bottle to Pump	1	N2400-9009	£84.72
4L PP Bottle with Filter and Inlet Pipe	1	N2400-9010	£256.20
4L PP Bottle with Screw Cap	1	N2400-9011	£112.02
2L Glass Bottle with Filter & Inlet Pipe	1	N2400-9012	£286.48
Adapter for 2L Glass Bottle	1	N2400-9013	£36.10
Mobile Underframe	1	N2400-9014	£91.06
Tool for Diaphragm Change	1	N2400-9015	£8.04

[1)] Includes a stand. [2)] Includes one adapter for pipettes, one adapter for pipette tips, a wall mount and 2.5 m of tubing.
Want to set up a second hand controller on your Aspirator? This is what you will need to purchase: N2400-9001, N2400-9006, N2400-9009 (N2400-9009 is optional, but recommended)

Technical specifications	
Max. pumping speed	16.7 l/min
Ultimate vacuum (absolute)	150 mbar
Adjustable range of vaccum	150 - 850 mbar
Max. permissible inlet/ outlet pressure	1.1 bar
Max. installation altitude	2000 m above sea level
Noise level	45 dB(A)
Power supply	230 V + 10 %, 50/60 Hz
Max. power consumption	40 W
Operating temperature	10 to 40 °C
Relative humidity	30 - 85 %
Dimensions (W × D × H)	408 × 194 × 500 mm
Weight	7.3 kg

Aspirator Accessories

N2400-9001

N2400-9002

N2400-9003

N2400-9004

N2400-9005

N2400-9006

N2400-9007

N2400-9008

N2400-9009

N2400-9010

N2400-9011

N2400-9012

N2400-9013
(Essential for use with N2400-9012)

N2400-9014

www.starlab.click/**aspirator**

Rotator Mixer RM-Multi 1

Mix it up!

Compact and multifunctional, the programmable Rotator Mixer RM-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. Suitable for use in coldrooms.

RM-Multi 1 has three different motions – vertical rotation, reciprocal motion and vibration – which can be used separately or combined, as well as variable speed and timer function.

Supplied with a platform for 26 tubes up to 15 mm diameter (eg. 1.5 ml, 2.0 ml and 15 ml tubes), STARLAB's RM-Multi 1 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 also available.

Product features

- Effective vertical mixing
- Programmable
- Three different motions
- Variable speed and timer
- Easy to operate
- LCD display
- Low profile and small footprint
- Capacity of up to 26 sample tubes
- 2-year warranty

Orbital 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)

Technical specifications	
Speed Range	1 – 100 rpm
Max. Load	0.5 kg
Timer	Auto switch-off: 1 min – 24 hours Vertical or Reciprocal Mode: 1 – 250 seconds, or non-stop Vibration mode: 1 – 5 seconds
Dimensions (W × D × H)	365 × 195 × 155 mm
Weight	1.8 kg
Permissible Ambient Temperature	4 – 40 °C
Output	1.25 A

Rotator Mixer RM-Multi 1

Description	Pack Size	Cat. No.	Price
Rotator Mixer RM-Multi 1	1	N2400-5000	£625.00
Accessories			
Platform for 5 x 30 mm and 12 x 15 mm diam. tubes	1	N2400-5103	£54.50
Replacement Platform for 26 tubes up to 15 mm diameter	1	N2400-5104	£59.95

N2400-5000 is supplied with platform N2400-5104.

www.starlab.click/**rotatormixer**

Microplate Mixer

Plate not included.

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.

Product features

- Suitable for use with all skirted plates with SBS footprint
- Compact design
- Easy to use
- Speed control
- Various accessories for microtitre plates and tubes
- 2-year warranty

Technical specifications	
Speed Range	0 – 1500 rpm[1)]
Max. Load	0.5 kg
Type of movement	orbital
Orbital Diameter	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 %

[1)] 1500 rpm is max. speed with all attachments except for N2400-8042, the max. speed for this adapter is 1000 rpm.

Microplate Mixer			
Description	**Pack Size**	**Cat. No.**	**Price**
Microplate Mixer	1	N2400-8040	£443.91
Accessories			
Attachment for One Plate	1	N2400-8041	£12.77
Attachment for Two Plates	1	N2400-8042	£27.73
Microplate Mixer Adapter Plate (for use with N2400-6012 and N2400-6013)	1	N2400-8043	£12.77
Tube Adapter for 15 x 1.5/2.0 ml Tubes[1)]	1	N2400-6012	£44.39
Tube Adapter for 8 x 15ml Centrifuge Tubes[1)]	1	N2400-6013	£44.39

[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 (plate not included). N2400-8041 and N2400-8042 suitable for use with all skirted SBS footprint plates (127.8 x 85.5 mm). N2400-6012 and N2400-6013 can also be used with the Vortex (page 171) in combination with its adapter N2400-6015.

Microplate Mixer Accessories

N2400-8041

N2400-8042

N2400-8043

N2400-6012

N2400-6013

www.starlab.click/**microplatemixer**

Deepwell and Microplates

See our range of deepwell and microplates on pages 101 – 106.

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
- Two operating modes: continuous and touch
- Anti-slip feet
- Wide range of accessories
- Small footprint
- 2-year warranty

Technical specifications	
Speed Range	0 – 2500 rpm[1)]
Max. Load	0.5 kg
Type of movement	Orbital
Orbital Diameter	4 mm
Operation	Two: touch and continuous
Speed setting	analogical
Unit Material	Epoxy painted zinc alloy
Safety Device	Electronic Protection Degree CEI EN 60529: IP42
Power supply	110 – 230 V, 50/60 Hz
Max. power consumption	60 W
Dimensions (W × D × H)	127 × 130 × 160 mm
Weight	3.5 kg
Permissible Ambient Temperature	4 – 40 °C
Permissible Relative Humidity	< 80 %

[1)] 2500 rpm max. speed only with Universal Cup attachment supplied with unit. When using the optional adapters, max. speed is 1300 rpm.

Vortex			
Description	**Pack Size**	**Cat. No.**	**Price**
Vortex	1	N2400-6110	£200.67
Accessories			
Vortex Replacement Universal Cup	1	N2400-6011	£12.77
Tube Adapter for 15 x 1.5/ 2.0ml Tubes[1)]	1	N2400-6012	£44.39
Tube Adapter for 8 x 15ml Centrifuge Tubes[1)]	1	N2400-6013	£44.39
Adapter for 96-Well Microplates	1	N2400-6014	£87.57
Vortex Adapter Plate	1	N2400-6015	£31.62

[1)] N2400-6012 and N2400-6013 can only be used as an attachment in combination with N2400-6015. N2400-6110 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 170) in combination with its adapter N2400-8043.

Vortex Accessories

N2400-6012

N2400-6013

N2400-6014
(Plate not included)

N2400-6015

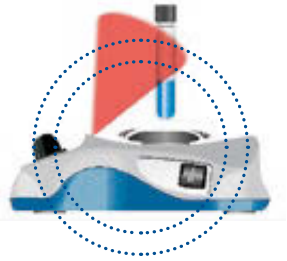
Vortex IR

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

- Ergonomic, low-profile design and anti-slide feet for bench stability
- 'Sensor' mode: infrared detects the presence of the test tube and automatically starts vibration
- 'Continuous' mode: with the possibility to combine with the wide range of accessories to suit the most diverse of needs
- No pressure needed to maintain vibration
- Use in cold rooms or incubators
- 2-year warranty



The Vortex IR can be set to Sensor Mode so the infrared detects the presence of the tube and automatically starts vibrating

Technical specifications	
Speed Range	0 – 3000 rpm[1)]
Max. Load	0.5 kg
Type of movement	Orbital
Orbital Diameter	4.5 mm
Operation	Two: touch and continuous
Speed setting	Analogical
Unit Material	Epoxy painted zinc alloy
Safety Device	Electronic Protection Degree CEI EN 60529: IP42
Power supply	90 – 260 V, 50/60 Hz
Max. power consumption	15 W
Dimensions (W × D × H)	127 × 130 × 160 mm
Weight	2.4 kg
Permissible Ambient Temperature	4 - 40°C
Permissible Relative Humidity	< 80 %
Output	1.25 A
Speed Control	Electronic
Temperature range	4 - 40 °C

[1)] **NOTE:** Max. 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 use is 800 rpm.

Vortex IR			
Description	**Pack Size**	**Cat. No.**	**Price**
Vortex IR	1	N2400-0001	£272.05
Accessories			
Foam Attachment for 19 x 1.5 ml Tubes	1	N2400-1001	£57.09
Foam Attachment for 5 x 15 ml Tubes	1	N2400-1002	£57.09
Foam Attachment for 5 x 50 ml Tubes	1	N2400-1003	£57.09
Foam Attachment for Microtitre Plates	1	N2400-1004	£57.09
Universal Rubber Attachment (50 mm diam.)	1	N2400-1005	£31.80
Customizable Soft Foam Attachment	1	N2400-1006	£46.45
Replacement Cup for Single Test Tube	1	N2400-1008	£15.90

The Vortex IR is supplied with a cup (N2400-1008) for single test tube (as shown in main image).

Vortex IR Accessories

N2400-1001

N2400-1002

N2400-1003

N2400-1004
(Plate not included)

N2400-1005

N2400-1006

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 sturdy and robust construction and variable speed control will make this your tube roller of choice.

Product features

- Simultaneous rolling and tilting motion
- Continuous operation
- Speed control
- Six rollers to hold a load up to 4 kg
- 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 × D × 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

Tube Roller

Description	Pack Size	Cat. No.	Price
Tube Roller	1	N2400-7010	£541.21

www.starlab.click/**smartinstruments**

Orbital Shaker

Image shows N2400-8030 with N2400-8011 (platform sold separately)

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.

Two platforms are available and sold separately so you can customise your shaker to your requirements.

Product features

- LCD displays for speed and time
- Two operating modes: continuous and timer
- Choice of two platforms (supplied without platform)
- Holds load up to 7.5 kg
- Small footprint
- 2-year warranty

Technical specifications	
Speed Range	100 – 500 rpm
Max. Load	7.5 kg
Type of movement	Orbital
Orbital Diameter	10 mm
Operation	Two: touch and continuous
Display	LCD
Platform Dimensions	300 x 300 mm
RS232-Interface	Yes
Timer	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 %

Orbital Shaker (without platform)

Description	Pack Size	Cat. No.	Price
Orbital Shaker (without platform)	1	N2400-8030	£1,075.50
Accessories			
Universal Platform with Clamping Rolls	1	N2400-8011	£296.90
Universal Platform with Rubber Mat and Bungee Cords	1	N2400-8021	£296.90

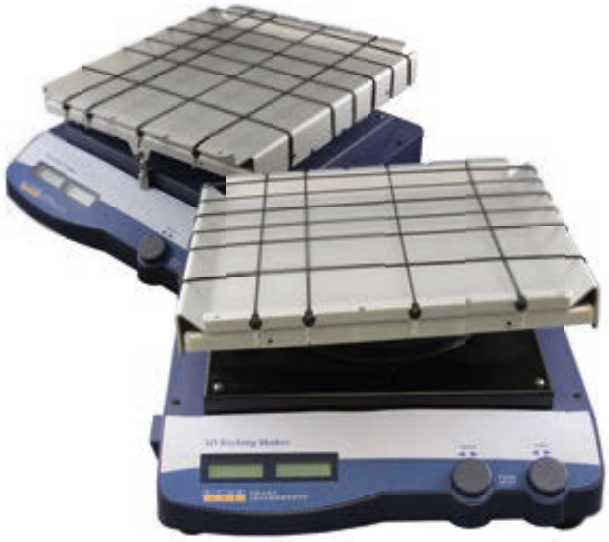
IMPORTANT: N2400-8030 is NOT supplied with a platform. A platform must be purchased separately. N2400-8011 and N2400-8021 can also be used on the Rocking & 3D Rocking Shaker (N2400-8010 / N2400-8020) page 175.

N2400-8011

N2400-8021

www.starlab.click/**obitalshaker**

Rocking Shaker & 3D Rocking Shaker



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
- LCD displays for speed and time
- Two operating modes: continuous and timer
- Alternative platform available
- Small footprint
- 2-year warranty

Technical specifications		
Model	**Rocking Shaker**	**3D Rocking Shaker**
Speed Range	10 – 70 rpm	10 – 70 rpm
Max. Load	10 kg	5 kg
Type of movement	See-Saw Rocking	3D Mixing
Operation	Two: touch and continuous	Two: touch and continuous
Display	LCD	LCD
Platform Dimensions	300 x 300 mm	300 x 300 mm
Tilt angle	9 °	9 °
Timer	1 – 1199 mins (19 hrs, 59 mins)	1 – 1199 mins (19 hrs, 59 mins)
Power supply	100 – 240 V, 50/60 Hz	100 – 240 V, 50/60 Hz
Max. power consumption	40 W	50 W
Dimensions (W × D × H)	370 × 420 × 106 mm	370 × 420 × 200 mm
Weight	9 kg	9 kg
Permissible Ambient Temperature	4 – 40 °C	4 – 40 °C
Permissible Relative Humidity	< 80 %	< 80 %

Rocking Shaker & 3D Rocking Shaker			
Description	**Pack Size**	**Cat. No.**	**Price**
Rocking Shaker	1	N2400-8010	£1,225.74
3D Rocking Shaker	1	N2400-8020	£1,225.74
Accessories			
Universal Platform with Clamping Rolls	1	N2400-8011	£296.90
Universal Platform with Rubber Mat and Bungee Cords	1	N2400-8021	£296.90

N2400-8010 and N2400-8020 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 174.

N2400-8011

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.

Technical specifications	
Speed Range	100 – 1500 rpm (10 rpm steps)
Max. stirring volume	3 L
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 %

Product features

- Speed control
- Includes 40 mm stir bar
- Compact design
- 2-year warranty

Magnetic Stirrer			
Description	**Pack Size**	**Cat. No.**	**Price**
Magnetic Stirrer	1	N2400-2010	£189.73

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.

Technical specifications	
Speed Range	100 – 1500 rpm
Max. stirring volume	3 L
Plate Diameter	135 mm
Power supply	200 – 240 V, 50/60 Hz
Dimensions (W × D × 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

Product features

- Speed and temperature controls
- Includes 40 mm stir bar
- Fast temperature ramping
- LED display
- Hotplate safety warning alert
- Chemically-resistant ceramic-coated plate
- 2-year warranty

Magnetic Stirrer with Heating			
Description	**Pack Size**	**Cat. No.**	**Price**
Magnetic Stirrer with Heating	1	N2400-3010	£334.46
Accessories			
Temperature Sensor PT1000	1	N2400-3011	£97.37

Mini Dry Bath Incubator

Small, but powerful!

A small but 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 water bath.

Product features

- Microprocessor controlled temperature and timer
- Digital display
- Easy, user calibration
- Small footprint
- Can also be used as a water bath
- 2-year warranty

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
Timer	0 – 999 mins, continuous
Power supply	100 – 240 V, 50/60 Hz
Max. power consumption	50 W
Operating temperature	Ambient to 40 °C
Dimensions (W × D × H)	125 × 153 × 97 mm
Weight	0.6 kg

Mini Dry Bath Incubator			
Description	**Pack Size**	**Cat. No.**	**Price**
Mini Dry Bath Incubator[1)]	1	N2400-4020	£233.70
Accessories			
Metal Block for 32 x 0.2 ml PCR Tubes	1	N2400-4021	£47.69
Metal Block for 12 x 0.5 ml Tubes	1	N2400-4022	£47.69
Metal Block for 12 x 1.5 ml Tubes (Conical)	1	N2400-4023	£47.69
Metal Block for 12 x 1.5/2.0 ml Tubes (V-Shaped)	1	N2400-4024	£47.69
Metal Block for 6 x 15 ml Tubes	1	N2400-4025	£47.69
Metal Block for 2 x 50 ml Tubes	1	N2400-4026	£47.69

[1)] Metal Blocks are not included and must be purchased separately.

Metal Blocks for Mini Dry Bath

N2400-4021

N2400-4022

N2400-4023

All metal blocks are supplied with a screw-in handle for easy insertion and removal

N2400-4024

N2400-4025

N2400-4026

www.starlab.click/**drybath**

Dry Bath Systems

N2400-4001

N2400-4002
(with N2400-4108)

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
- Digital display
- Easy, user calibration
- Single or dual block units available
- Can also be used as a water bath
- 2-year warranty

Technical specifications		
Model	**Dry Bath System (Single Block)**	**Dry Bath System (Dual Block)**
Unit Material	Aluminium	Aluminium
Safety Device	Leak-proof heating chamber	Leak-proof heating chamber
Controller	Digital Microprocessor	Digital Microprocessor
Display	Digital	Digital
Temperature increase	0.1 °C	0.1 °C
Temperature calibration	yes	yes
Temperature uniformity	±0.2 °C	±0.2 °C
Temperature accuracy	±0.2 °C	±0.2 °C
Water bath volume	400 ml	800 ml
Block Dimensions	80 x 105 x 50 mm	80 x 105 x 50 mm (except N2400-4108)
Timer	0–999 minutes	0–999 minutes
Power supply	220 V	220 V
Operating temperature	5 °C above ambient to 150 °C	5 °C above ambient to 150 °C
Dimensions (W × D × H)	200 × 290 × 80 mm	200 × 290 × 80 mm
Weight	2.6 kg	2.8 kg

Dry Bath Systems			
Description	**Pack Size**	**Cat. No.**	**Price**
Dry Bath System (Single Block)	1	N2400-4001	£333.90
Dry Bath System (Dual Block)	1	N2400-4002	£483.26
Accessories			
Metal Block for 64 x 0.2 ml Tubes	1	N2400-4100	£91.10
Metal Block for 20 x 1.5 ml or 2.0 ml Tubes	1	N2400-4101	£91.10
Metal Block for 12 x 15 ml Centrifuge Tubes	1	N2400-4102	£91.10
Metal Block for 4 x 50 ml Centrifuge Tubes	1	N2400-4103	£91.10
Metal Block for 20 x 1.5 ml Tubes (V-Bottom)	1	N2400-4104	£91.10
Metal Block for 20 x 0.5 ml Tubes	1	N2400-4105	£91.10
Metal Block for 20 Tubes up to 13 mm Diameter	1	N2400-4106	£91.10
Metal Block for 96-Well PCR Plates (for use with Single Block system)	1	N2400-4107	£151.83
Metal Block for 96-Well PCR Plates (for use with Dual Block system)	1	N2400-4108	£206.58

Metal Blocks for Single & Dual Block Dry Bath Systems

N2400-4100

N2400-4101

N2400-4102

N2400-4103

N2400-4104

N2400-4105

N2400-4106

N2400-4107

N2400-4108

All metal blocks are supplied with a screw-in handle for easy insertion and removal

Bath Beads

New!

Coming soon!

Never wash or refill a water bath again!

Replace water in your water bath with these thermally efficient pellets enabling you to eliminate water bath cleaning and contamination.

Save the need for racks, floaties and bottle weights.

Product features

- Gas impermeable
- High thermal conductivity
- Green! reduces your water consumption
- Removes the chances of water-borne contamination
- Can be washed or sterilised
- Autoclavable

Bead Heating Times		
Pack Size	**37 °C**	**60 °C**
0.5 L	20 mins	30 mins
4 L	30 mins	40 mins
12 L	30 mins	40 mins

Bath Beads			
Cat. No.	**Description**	**Pack Size**	**Price**
N2400-4900	Bath Beads, 0.5 L	1	£134.00
N2400-4901	Bath Beads, 4 L	1	£525.00
N2400-4902	Bath Beads, 12 L	1	£1650.00

Tubes and Containers

See our range of tubes and containers including microcentrifuge tubes, centrifuge tubes, universals and bijoux.

See pages 78 - 88 for the full range

Mini Fuge PLUS

New!

Get in a spin!

Small enough to fit on your benchtop for your own personal use. The strip rotor accepts either 32 single or four 8-strip 0.2 ml tubes; the standard rotor accepts eight 0.2 ml, 0.5 ml or 1.5 / 2.0 ml microcentrifuge tubes. The rotors can be changed easily and quickly. The centrifugation process can be observed through the transparent cover.

Product features

- Supplied with two rotors: one for use with 0.5 ml to 2.0 ml microcentrifuge tubes, and one for use with 0.2 ml PCR tubes
- Quick and easy rotor change
- Option of fast or gradual spin stop
- Small footprint – easy to clean
- 2-years warranty

Technical specifications	
Speed	6000 rpm
RCF	2000 x g
Permissable relative humidity	>80%
Fuse	0.35 A
Power supply	100 – 240 V, 50/60 Hz
Operating temperature	5 to 40 °C
Dimensions (W × D × H)	15 x 15 x 11.6 cm
Weight	1.2 kg

Mini Fuge			
Description	**Pack Size**	**Cat. No.**	**Price**
Mini Fuge Plus	1	N2631-0017	£245.00

The microcentrifuge is supplied with two rotors – 'Standard' for use with 1.5/2.0 ml tubes, and 'Strip' for use with 0.2 ml tubes, plus six adapters to convert the Standard rotor for use with 0.5 ml tubes.

PCR Strips

See our range of PCR strip tubes and caps. Strips with attached caps or separate tube and cap strips are available.

See pages 90 – 92 for details

Plate Centrifuge

N2631-0018
Optional adapter available for centrifuging 48-well plates and 0.2 ml PCR tubes and strips

You spin me round!

The plate centrifuge makes the safe and quick spin down of droplets and condensation very easy. Just open the lid, insert the plates, close the lid and start. 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

- Accommodates two plates, any style up to 25mm high
- Rapid start to stop
- Use before and after thermal cycling to increase PCR yield
- Accepts skirted, semi-skirted and non-skirted plates
- Less than quarter the size of most plate centrifuges
- Easy cleaning and maintenance
- 2-year warranty

Technical specifications	
Speed	2500 rpm
RCF	500 × g
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 × D × H)	190 × 210 × 193 mm
Weight	1.5 kg
Permissible Relative Humidity	< 85%

Plate Centrifuge			
Description	**Pack Size**	**Cat. No.**	**Price**
Plate Centrifuge	1	N2631-0008	£608.10
Accessories			
Adapter for 48-Well Plates and 0.2ml Strips and Tubes	1	N2631-0018	£42.92

www.starlab.click/**platecentrifuge**

PCR Plates

See our range of skirted, non-skirted and semi-skirted PCR Plates for a wide range of thermal cyclers

See pages 94 – 97 for details

AirClean® PCR Cabinets

Get results – not background!

AirClean® Systems PCR Workstations are designed as application solutions for the manipulation and amplification of RNA and DNA. Crosscontamination during amplification of RNA and DNA can lead to results that are inaccurate — results that cost you your 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.

Dead Air Cabinets

These cabinets do not have a filter system. They provide a circulation-free environment with UV light sterilisation.

Laminar Flow Cabinets

Pre- and HEPA filters provide a Class 100 (ISO 5) vertical laminar flow environment in combination with UV light sterilisation.

Product features

- UVTect™ 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
- Fluorescent light
- UV light
- Safety auto cut-off of the UV light when the sash is opened
- One piece construction ensures no UV energy can escape
- Supplied ready-assembled – just plug and play!

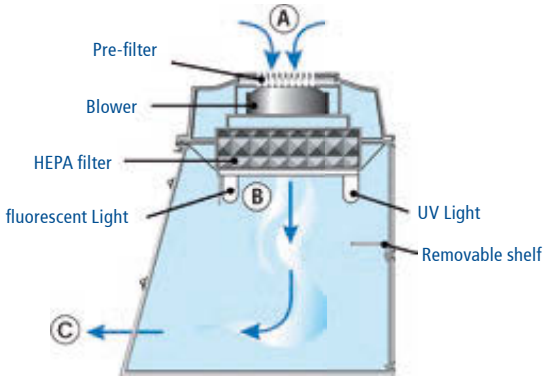
*Laminar Flow models only.

What does the UVTect™ do?

- UV timer to help save on bulb life
- UV bulb monitor to check the bulb's effectiveness and alert you when bulb life is getting low. UV bulbs glow purple even when they are not working effectively so with UVTect™, you can always be sure your UV bulb is working effectively
- HEPA filter monitor to alert you when the filter needs changing
- Variable speed blower control allows manual adjustment of the airflow to suit work with the most fragile of samples
- Lab event timer, and time and date display

How the "Laminar Flow" works

The UV light sterilises pipettes, pipette tips, tubes and flasks prior to working. Room air enters at **A** . The air is forced through the pre and HEPA filters to create a laminar flow. The clean, laminar flow air enters the cabinet at **B**, and exits through the sash at **C**.



AirClean PCR Cabinets				
	DEAD AIR CABINETS		CLASS 100 LAMINAR FLOW CABINETS	
	32" Cabinet	48" Cabinet	32" Cabinet	48" Cabinet
Features and Specifications				
UVTect Controller	✓	✓	✓	✓
Lab Event Timer	✓	✓	✓	✓
Pre-Filter	×	×	✓	✓
HEPA Filter	×	×	✓	✓
HEPA Filter Life Monitor	×	×	✓	✓
Variable Speed Blow Control	×	×	✓	✓
Air Velocity	n/a	n/a	Digital	Digital
Fluorescent Bulb	✓	✓	✓	✓
UV Bulb	1 x 15 W, 254 nm	2 x 15 W, 254 nm	1 x 15 W, 254 nm	2 x 15 W, 254 nm
UV Light Timer	0 - 60 mins (digital)	0 - 60 mins (digital)	0 - 60 mins (digital)	0 - 60 mins (digital)
UV Bulb Life Monitor	✓	✓	✓	✓
UV Safety Interlock Switch	✓	✓	✓	✓
Voltage	110 V or 220 V	110 V or 220 V	110 V or 220 V	110 V or 220 V
Ship Weight (approx)	46 kg	68 kg	57 kg	82 kg
Ext. Dimensions (WxDxH)	813 x 610 x 762 mm	1219 x 610 x 813 mm	813 x 610 x 762 mm	1219 x 610 x 813 mm
Cabinet Ordering Information				
PCR Cabinet (Each)	N2540-8400 £2,705.00	N2540-8500 £3,414.63	N2530-8200 £3,316.35	N2530-8300 £4,486.94
Cabinet Accessories				
Pre-Filters (Pack of 12)	n/a	n/a	N3942-7500 £199.06	N3952-7518 £238.88
HEPA Filters (Each)	n/a	n/a	N3942-7000 £305.23	N3952-7018* £265.42
UV Bulbs (Pack of 4)	N2530-1500 £225.61	N2530-1500 £225.61	N2530-1500 £225.61	N2530-1500 £225.61
Trolley / Stand (Each)	N2520-3200 £667.55	N2520-4800 £796.25	N2520-3200 £667.55	N2520-4800 £796.25

* Two required for 48" cabinet.

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.

Freezer 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

Specifications	
Gross volume	93 L
Internal Capacity	91 L
Temp. Range	-60 c to -86 c
Temp. Probes	1
Compressor	secop
Refridgerant	Nature R
Noise level	60 dB
Power Consumption	2124 kWH / year
Battery Backup	50 hours
USB	Yes
High / Low Temp Alarm	Yes
Voltage	220–240V, 50/60 Hz
Weight	65 kg (gross) / 56kg nett
Dimensions (WxDxH)	595 x 585 x 825 mm

Underbench Freezer			
Description	**Pack Size**	**Cat. No.**	**Price**
ULT U100 Underbench Freezer	1	N2700-1000	£4,850.00
Accessories			
U100 Rack for 50mm High Boxes	1	N2700-1001	£1,000.00
U100 Rack for 75mm High Boxes	1	N2700-1002	£1,000.00
U100 Rack for 100mm High Boxes	1	N2700-1003	£1,000.00

Racks do not include storage boxes; boxes must be purchased separately.

U100 Freezer
is supplied with two shelves

U100 Freezer shown with racking and storage boxes (sold separately) to utilise storage capacity perfectly!

Storage Capacity with Racks		
Rack	**No. of Boxes**	**Box Height**
N2700-1001	74	50 mm
N2700-1002	45	75 mm
N2700-1003	33	100 mm

Organise to optimise!

Use one of the 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 a standard 133x133 mm footprint.

Rack features

- Pull out trays to access your samples easily
- Optimises storage capacity for efficient energy use

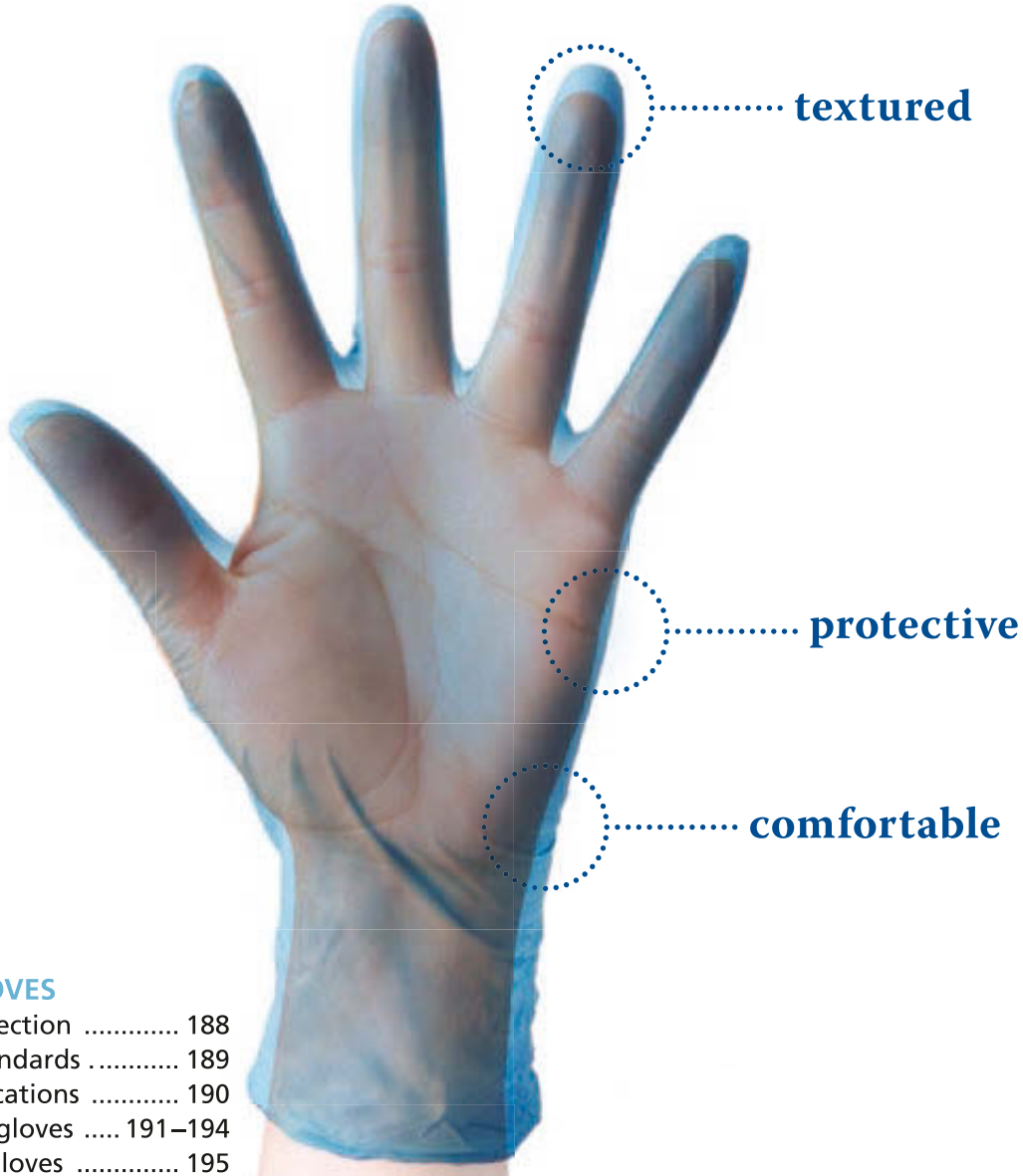
N2700-1001
(Boxes not included)

See our range of 50 mm, 75 mm and 100 mm cardboard boxes to use in the freezer's racking
See pages 138 – 139

Protection

Confidence assured!

Like a second skin.
Our gloves offer maximum comfort and protection.



DISPOSABLE GLOVES

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BENCHTOP SAFETY

Safety Spill Trays & Liners 204
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Your Personal Protection

STARLAB is committed to providing the best hand protection available. Regardless of the application and user preferences, our five 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

PROTECT+ – with extended cuffs for optimal nitrile protection from hazards

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

Providing comfortable protection from day-to-day hazards

Our range of StarGuard® gloves offers the highest EN safety standards, with three gloves having an **Acceptable Quality Level (AQL) of 0.65**.
All gloves have been tested against a variety of chemicals to **EN374-3: 2003 and EN16523-1: 2015** standards *(see Chemical Breakthrough Times available separately)*.

EN420 EN374-2: 2014 EN374-3: 2003

CE 0197

Manufactured to the highest standards

All StarGuard® gloves are manufactured to the highest standards and have been tested and certified by the third-party notified body, TÜV RHEINLAND.

ALL StarGuard® gloves are in compliance with:

- EC Directive 89/686/EEC, PPE Category III
- European Medical Device Directive 93/42/EEC, Class I Medical Device
- EN420 General requirements for protective gloves
- EN374-1: 2003 Protection against chemicals and micro-organisms
- EN374-2: 2014 Protection against penetration by micro-organisms
- EN374-3: 2003 Protection against chemical permeation
- EN16523-1: 2015 Permeation by liquid chemicals under conditions of continuous contact
- EN455 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
- ASTM F1671 Protection against penetration by blood-borne pathogens

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 Directive (89/686/EEC) 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 (eg. 0197 = TUV Rheinland), the glove manufacturer is self-declaring the glove's EN credentials.

Pictograms / EN Standards			
European Standard	**Pictogram**	**Performance Ranking**	**Description**
EN374-2:2014 Micro-organisms (Penetration)	EN374-2:2014	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.
EN374-3:2003 Chemical Permeation	abc	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 Breakthrough. This pictogram is only shown if a breakthrough time of at least 30 mins has been achieved in at least three of the 12 chemicals specified for this standard. The code letters of those three chemicals are shown underneath the shield. See our website for a copy of the Product Data Sheet which lists these chemicals.
	EN374-3:2003		This pictogram is used if a glove does not pass the test explained above, but it does fulfil at least Level 2 of the penetration test EN374-2:2003. This highlights the limitations of the chemical barrier properties of thin gauge disposable gloves, emphasising they're only designed for incidental splashes. The question mark reminds users that it refers to 'low chemical resistance' or 'waterproof' gloves. However, gloves showing this symbol will often still have excellent resistance to many chemicals other than those on the list of 12 specified.

Penetration vs Permeation

Penetration: The movement of a chemical and/or micro-organism through the material, pinholes or other imperfections of a glove.

Permeation: Gloves do not always act as a barrier to liquids and can sometimes act as a sponge, soaking up the liquids and holding them against the skin. Therefore, it is necessary to measure the time that the hazardous liquid takes to breakthrough the glove and come in contact with the skin.

StarGuard® Glove Specifications

	StarGuard® COMFORT	StarGuard® PROTECT	StarGuard® PROTECT+	StarGuard® SENSITIVE	StarGuard® TOUCH
Gloves per Case	10 x 250 (XL 230)	10 x 100	10 x 50	10 x 200	10 x 100 (XL 90)
Glove Type	Nitrile	Nitrile	Nitrile	Nitrile	Latex
Type	Powder-Free, Ambidextrous, Single Use, Non-Sterile				
Colour	Light-Blue	Violet-Blue	Violet-Blue	Blue	Natural
Cuff	Beaded	Beaded	Extended, Beaded	Beaded	Beaded
Texture	Fingers	Fingers	Fingers	Fingers	Fully
Weight (g)	3.5	5.2	11	4.2	6
Length (mm)	245	250	295	240	245
Cuff Thickness (mm)	0.06	0.09	0.12	0.06	0.10
Palm Thickness (mm)	0.07	0.11	0.15	0.07	0.13
Finger Thickness (mm)	0.11	0.18	0.25	0.10	0.16
Minimum Elongation before Aging (%)	500	500	500	500	650
Elongation after Aging (%)	400	400	500	400	600
Tensile Strength before Aging (MPa)	33	30	30	29	22
Tensile Strength after Aging (MPa)	31	29	27	14	20
Force at Break before Aging (N)	7	10	12	7	9
Force at Break after Aging (N)	7	11	14	7	6
Shelf Life (years)	3	3	5	3	4
AQL	0.65	0.65	0.65	1.5	1.5
PPE 89/686/EEC	Personal Protective Equipment (PPE) Category III				
MDD 93/42/EEC	Medical Device Class I				
EN420	In compliance, Sizing for special purpose		In compliance	In compliance, Sizing for special purpose	
EN374-2	Level 3	Level 3	Level 3	Level 2	Level 2
EN374-3 / EN16523-1	In compliance, splash protection				
EN455	In compliance with Parts 1,2,3				
ISO 11193-1	In compliance				
ISO 21171	In compliance				
ASTM F1671	In compliance				
ASTM D6124	In compliance				

www.starlab.click/**starguard**

StarGuard® COMFORT

EN420 EN374-2: 2014 EN374-3: 2003

LEVEL 3 (AQL 0.65)

Enhanced comfort by improved fit

An extremely soft and strong glove that provides improved tactile sensitivity to help reduce the risk of hand fatigue.

- 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. AQL 0.65
Light Blue Nitrile Glove. Textured Fingers
Length: 245 mm. 250 Gloves per Box*

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
- A combination of comfort and chemical protection is needed
- Gloves must be approved for food contact according to EU Regulation (EC) No. 1935/2004.

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.[1]

Improved fit and longer length

StarGuard® COMFORT have snug fitting fingers and are 245 mm long to provide full cover over the wrist.

StarGuard® Comfort			
Description	**Pack Size**	**Cat. No**	**Price**
StarGuard® Comfort, Nitrile Gloves, XS	10 x 250	SG-C-XS	£347.57
StarGuard® Comfort, Nitrile Gloves, S	10 x 250	SG-C-S	£347.57
StarGuard® Comfort, Nitrile Gloves, M	10 x 250	SG-C-M	£347.57
StarGuard® Comfort, Nitrile Gloves, L	10 x 250	SG-C-L	£347.57
StarGuard® Comfort, Nitrile Gloves, XL	10 x 230	SG-C-XL	£347.57

*XL 230 gloves. 1www.us-ergo.com

Comfortable ...
made from soft nitrile for enhanced comfort and tactile sensitivity

... yet Strong
an extremely soft but strong glove that provides excellent elasticity

www.starlab.click/**starguard**

StarGuard® PROTECT

EN420 | EN374-2: 2014 | EN374-3: 2003

CE 0197

LEVEL 3 (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. AQL 0.65
Violet-Blue Nitrile Glove. Textured Fingers
Length: 250 mm. 100 Gloves per Box

Recommended for use when:

- Everyday protection requires strength and durability
- You are looking 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 oil 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.

StarGuard® PROTECT			
Description	**Pack Size**	**Cat. No**	**Price**
StarGuard® Protect, Nitrile Gloves, XS	10 x 100	SG-P-XS	£150.83
StarGuard® Protect, Nitrile Gloves, S	10 x 100	SG-P-S	£150.83
StarGuard® Protect, Nitrile Gloves, M	10 x 100	SG-P-M	£150.83
StarGuard® Protect, Nitrile Gloves, L	10 x 100	SG-P-L	£150.83
StarGuard® Protect, Nitrile Gloves, XL	10 x 100	SG-P-XL	£150.83

Longer!
250 mm long to provide splash protection for your hand and wrist

Strength and durability
hand protection you can rely on everyday

StarGuard® PROTECT+

EN420 | EN374-2: 2014 | EN374-3: 2003

CE 0197

LEVEL 3 (AQL 0.65)

Extended cuff for optimal protection

A strong yet comfortable glove with extended cuffs that provides the ultimate protection against day-to-day laboratory hazards.

- Extended cuff for increased protection over the wrist
- Combines strength and durability for everyday protection
- Excellent chemical splash protection
- Provides both protection and consistent grip

PPE Cat. III Complex Design. AQL 0.65
Violet-Blue Nitrile Glove. Textured Fingers
Length: 295 mm. 50 Gloves per Box

Recommended for use when:

- Contact with hazardous chemicals is a daily task
- Cover and increased protection for the wrist and forearm is needed
- Day-to-day hazards require a strong combination of durability and safety
- High protection and consistent grip is required

Optimal 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 oil and grease.

Outstanding chemical breakthrough times

- Acrylamide (40%) > 480 mins
- Ethidium Bromide (5%) > 480 mins
- Gluteraldehyde (50%) > 480 mins

Excellent chemical splash protection

StarGuard® PROTECT+ has been tested against an array of chemicals and complies to both EN374-3 and EN16523-1.

StarGuard® PROTECT+			
Description	**Pack Size**	**Cat. No**	**Price**
StarGuard® Protect+, Nitrile Gloves, S	10 x 50	SG-X-S	£133.78
StarGuard® Protect+, Nitrile Gloves, M	10 x 50	SG-X-M	£133.78
StarGuard® Protect+, Nitrile Gloves, L	10 x 50	SG-X-L	£133.78
StarGuard® Protect+, Nitrile Gloves, XL	10 x 50	SG-X-XL	£133.78

Extended cuff
295 mm long to provide protection over the cuffs of your lab coat

Optimal protection
Thicker glove with extended cuffs for optimal chemical splash protection

StarGuard® SENSITIVE

EN420 EN374-2: 2014 EN374-3: 2003

CE 0197

LEVEL 2 (AQL 1.5)

Accelerator-free 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. AQL 1.5
Blue Nitrile Glove. Textured Fingers
Length: 250 mm. 200 Gloves per Box

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
- Gloves must be approved for food contact according to EU Regulation (EC) No. 1935/2004

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!

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.

StarGuard® SENSITIVE			
Description	**Pack Size**	**Cat. No**	**Price**
StarGuard® Sensitive, Nitrile Gloves, XS	10 x 200	SG-N-XS	£249.18
StarGuard® Sensitive, Nitrile Gloves, S	10 x 200	SG-N-S	£249.18
StarGuard® Sensitive, Nitrile Gloves, M	10 x 200	SG-N-M	£249.18
StarGuard® Sensitive, Nitrile Gloves, L	10 x 200	SG-N-L	£249.18
StarGuard® Sensitive, Nitrile Gloves, XL	10 x 200	SG-N-XL	£249.18

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

CE 0197 | EN420 | EN374-2: 2014 LEVEL 2 (AQL 1.5) | EN374-3: 2003

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 of wear
- Ideal for work that requires great dexterity

PPE Cat. III Complex Design. AQL 1.5
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.

StarGuard® TOUCH			
Description	**Pack Size**	**Cat. No**	**Price**
StarGuard® Touch, Latex Gloves, XS	10 x 100	SG-T-XS	£94.43
StarGuard® Touch, Latex Gloves, S	10 x 100	SG-T-S	£94.43
StarGuard® Touch, Latex Gloves, M	10 x 100	SG-T-M	£94.43
StarGuard® Touch, Latex Gloves, L	10 x 100	SG-T-L	£94.43
StarGuard® Touch, Latex Gloves, XL	10 x 90	SG-T-XL	£94.43

* XL 90 gloves.

Fully textured
for a secure grip

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.

STARGUARD*select* will provide you with your personal protection solution in just a few clicks. Just go to:
www.starlab.click/starguardselect

How it works:

1. Go to the website and press the START button.
2. A second page will open with a list of chemicals which were tested against our STARGUARD® gloves. Select the chemicals which pose the most hazard to you and click on Next.
3. A list of the optimal gloves for the chemicals selected will be shown. You can also request your STARGUARD® glove samples.

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.

Wire Glove Dispenser			
Description	**Pack Size**	**Cat. No.**	**Price**
Wire Glove Dispenser	1	E3099-3100	£347.57

Microflex® Gloves

Glove Overview

STARLAB is committed to supplying the best hand protection to its customers. To provide choice for our customers, we also sell a range of high quality Microflex gloves for use in the laboratory, in order to provide you with even more choice to select the best glove for the job in hand.

Ergonomic Blue Nitrile

Blue Nitrile

Extended Blue Nitrile

Extra Extended Blue Nitrile

Ergonomic Neoprene

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	✓	✗	10 x 250[1]
SUPRENO®	Nitrile	Powder-free	Textured Fingers	Blue	Standard 245 mm	0.110mm	0.65	✓	✗	10 x 100
SUPRENO® PLUS	Nitrile	Powder-free	Textured Fingers	Blue	Extended 295 mm	0.140mm	0.65	✓	✗	10 x 50
93-243	Nitrile	Powder-free	Textured Palm and Fingers	Blue	Extra extended 400 mm	0.120mm	1.5	✓	✗	10 x 100
73-847	Neoprene	Powder-free	Textured Fingers	Dark Green	Standard 245 mm	0.100mm	1.5	✓	✗	10 x 100
93-260	Nitrile and Neoprene	Powder-free	Textured Fingers	Green outside, Blue inside	Extended 300 mm	0.198mm	0.65	✓	✓	10 x 50

Microflex gloves conform to the following standards

- PPE Category III, EC Directive 89/686/EEC
- EN 420
- EN 374-2 Protection against penetration by micro-organisms
- EN 374-3 Protection against chemical permeation
- EN 388 (93-260 only)
- European Medical Device Directive 93/42/EEC, CE Class 1
- Medical Gloves Standard ISO 11193-1
- EN 455 Parts 1, 2 & 3
- ASTM F1671 protection against penetration by blood-borne pathogens

IMPORTANT: See individual Product Data Sheets for full list of standards that apply to each specific glove.

Microflex® Gloves

CE 0197 EN374-2 LEVEL 3 (AQL 0.65) EN420 EN374-3 UNITED STATES CERTIFIED ERGONOMICS

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. AQL 0.65
Blue Nitrile Glove. Textured Fingers
Length: 240 mm. 250 Gloves per Box*

XCEED®				
Description	**Size**	**Pack Size**	**Cat. No**	**Price**
XCEED®	X-Small	10 x 250 gloves	XC-INT-XS	£347.57
XCEED®	Small	10 x 250 gloves	XC-INT-S	£347.57
XCEED®	Medium	10 x 250 gloves	XC-INT-M	£347.57
XCEED®	Large	10 x 250 gloves	XC-INT-L	£347.57
XCEED®	X-Large	10 x 230 gloves	XC-INT-XL	£347.57

*XL 230 gloves.

CE 0197 EN374-2 LEVEL 3 (AQL 0.65) EN420 EN374-3

Everyday nitrile protection

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

PPE Cat. III Complex Design. AQL 0.65
Blue Nitrile Glove. Textured Fingers
Length: 245 mm. 100 Gloves per Box

SUPRENO®				
Description	**Size**	**Pack Size**	**Cat. No**	**Price**
SUPRENO®	X-Small	10 x 100 gloves	SU-INT-XS	£150.83
SUPRENO®	Small	10 x 100 gloves	SU-INT-S	£150.83
SUPRENO®	Medium	10 x 100 gloves	SU-INT-M	£150.83
SUPRENO®	Large	10 x 100 gloves	SU-INT-L	£150.83
SUPRENO®	X-Large	10 x 100 gloves	SU-INT-XL	£150.83

EN374-2 EN420 EN374-3

CE 0197

LEVEL 3 (AQL 0.65)

Everyday nitrile protection with extended cuff

Recommended for use when:

- Contact with chemicals is a standard activity each day – SUPRENO PLUS provides excellent chemical splash protection
- Strength and protection are of great importance
- Day to day hazards require the best combination of durability and security
- Working in environments that demand consistent grip and reliability

PPE Cat. III Complex Design. AQL 0.65
Blue Nitrile Glove. Textured Fingers
Length: 295 mm. 50 Gloves per Box

SUPRENO® PLUS				
Description	**Size**	**Pack Size**	**Cat. No**	**Price**
SUPRENO® PLUS	Small	10 x 50 gloves	SP-INT-S	£133.78
SUPRENO® PLUS	Medium	10 x 50 gloves	SP-INT-M	£133.78
SUPRENO® PLUS	Large	10 x 50 gloves	SP-INT-L	£133.78
SUPRENO® PLUS	X-Large	10 x 50 gloves	SP-INT-XL	£133.78

EN420 EN374-2 EN374-3

CE 0493

LEVEL 2 (AQL 1.5)

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. AQL 1.5
Blue Nitrile Glove. Textured Fingers
Length: 400mm. 100 Gloves per Bag

Microflex 93-243				
Description	**Size**	**Pack Size**	**Cat. No**	**Price**
Microflex 93-243	X-Small	10 x 100 gloves	93-243-XS	£200.00
Microflex 93-243	Small	10 x 100 gloves	93-243-S	£200.00
Microflex 93-243	Medium	10 x 100 gloves	93-243-M	£200.00
Microflex 93-243	Large	10 x 100 gloves	93-243-L	£200.00
Microflex 93-243	X-Large	10 x 100 gloves	93-243-XL	£200.00
Microflex 93-243	XX-Large	10 x 100 gloves	93-243-XXL	£200.00

400 mm glove length for superior forearm protection

Microflex® Gloves

EN420 EN374-2 EN374-3

0493

LEVEL 2 (AQL 1.5)

UNITED STATES CERTIFIED ERGONOMICS

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 according to EN1149

PPE Cat. III Complex Design. AQL 1.5
Green Neoprene Glove. Textured Fingers
Length: 245mm. 100 Gloves per Box

Microflex 73-847				
Description	**Size**	**Pack Size**	**Cat. No**	**Price**
Microflex 73-847	X-Small	10 x 100 gloves	73-847-XS	£115.00
Microflex 73-847	Small	10 x 100 gloves	73-847-S	£115.00
Microflex 73-847	Medium	10 x 100 gloves	73-847-M	£115.00
Microflex 73-847	Large	10 x 100 gloves	73-847-L	£115.00
Microflex 73-847	X-Large	10 x 100 gloves	73-847-XL	£115.00

EN420 EN374-2 EN374-3 EN388

0493

LEVEL 3 (AQL 0.65) JKL 2000

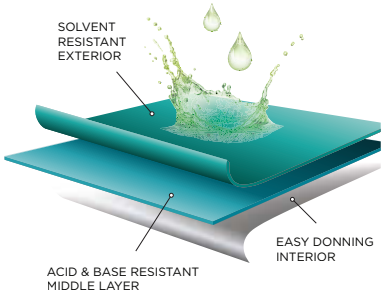
Chemical protection and comfort

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
- Textured fingers

PPE Cat. III Complex Design. AQL 0.65
Green Nitrile/Neoprene Glove. Textured Fingers
Length: 300mm. 50 Gloves per Box

Innovative three layer design



Microflex 93-260				
Description	**Size**	**Pack Size**	**Cat. No**	**Price**
Microflex 93-260	X-Small	10 x 50 gloves	93-260-XS	£140.00
Microflex 93-260	Small	10 x 50 gloves	93-260-S	£140.00
Microflex 93-260	Medium	10 x 50 gloves	93-260-M	£140.00
Microflex 93-260	Large	10 x 50 gloves	93-260-L	£140.00
Microflex 93-260	X-Large	10 x 50 gloves	93-260-XL	£140.00
Microflex 93-260	XX-Large	10 x 50 gloves	93-260-XXL	£140.00

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.

Disposable Sweet Jars			
Description	**Pack Size**	**Cat. No.**	**Price**
1L Disposable Sweet Jar	40	E1412-0002	£60.00
2.5L Disposable Sweet Jar with Handle	30	E1412-0000	£79.82
4.25L Disposable Sweet Jar	31	E1412-0001	£79.82

Dimensions: (HxØ) 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

Autoclave Bags			
Description	**Pack Size**	**Cat. No.**	**Price**
Autoclave Bags 310 x 660 mm	200	E3300-3166	£43.29
Autoclave Bags 415 x 600 mm	200	E3300-4070	£47.38
Autoclave Bags 610 x 810 mm	200	E3300-6078	£87.99

Autoclave tape

Autoclave Tape			
Description	**Pack Size**	**Cat. No.**	**Price**
Autoclave Tape (50m x 18mm)	4	E3300-0000	£27.07
Autoclave Tape (50m x 25mm)	4	E3300-0001	£30.41

Radiation disposal bags

Heavy-duty, double heat-sealed 500 gauge PE bags with double string neck pull.

Radiation Disposal Bags			
Description	**Pack Size**	**Cat. No.**	**Price**
Bag with Radiation Hazard Symbol, 120 x 120 x 120mm	25	E3317-0010	£50.56
Bag with Radiation Hazard Symbol, 290 x 210 x 210mm	25	E3331-0020	£84.60
Bag with Radiation Hazard Symbol, 330 x 120 x 120mm	25	E3335-0015	£94.79
Bag with Radiation Hazard Symbol, 370 x 210 x 240mm	25	E3340-0025	£66.17
Bag with Radiation Hazard Symbol, 610 x 280 x 280mm	25	E3360-0035	£88.83

Self-Adhesive Radiation Hazard Labels			
Description	**Pack Size**	**Cat. No.**	**Price**
Self-Adhesive Radiation Hazard Labels (Large: 50 x 50 mm)	25	E3850-0015	£16.56

Chemgene Disinfectant

	Concentrate			Pump	Spray		Cloth Wipes
	1 Litre Self-Dosing Bottle Clear, Unfragranced 100% conc.	**5 Litre Pump Container Clear, Unfragranced 100%**	**5 Litre Pump Container Blue, Eucalyptus 100%**	**Reusable Pump for use with 5 Litre Containers**	**750ml Trigger Bottle Clear, Unfragranced 1:20**	**750ml Trigger Bottle Blue, Eucalyptus 1:20**	**Dispensing Drum of 100 Wipes Clear, Unfragranced 1:20**
CASE Order Info:	XTM305-C £114.47 / 6 bottles	XTM309-C £249.83 / 4 bottles	XTM308-C £249.83 / 4 bottles	n/a	XTM301-C £51.10 / 6 bottles	XTM302-C £51.10 / 6 bottles	XTM353-C £83.28 / 10 drums
PACK Order Info:	XTM305 £38.16 / 2 bottles	XTM309 £62.46 / 1 bottle	XTM308 £62.46 / 1 bottle	TR021 £7.57 / each	XTM301 £8.52 / 1 bottle	XTM302 £8.52 / 1 bottle	XTM353 £8.33 / 1 drum

Leading-edge biosecurity technology

CHEMGENE laboratory surface 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 quicker 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

- Biodegradable
- 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

Microbiological efficacy summary

Viruses

Adenovirus Type 5.
Canine parvovirus.
Feline calcivirus.
Feline Immunodeficiency Virus.
Feline Infectious Peritonitis Virus.
Hepatitis B.
Herpes Simplex.
HIV.
Norovirus.

Mycobacteria

Bacillus cereus.
Bacillus subtilis.
Clostridium difficile.
Mycobacterium avium.
Mycobacterium bovis.
Mycobacterium terrae.

Fungi

Aspergillus niger.
Candida albicans.
Microsporum canis.
Trichophyton ruben.

Bacteria

Acinetobactor calcoaceticus.
Bordetella bronchiseptica.
Campylobacter jenuni.
Enterococcus hirae.
Escherichia coli.
Legionella pneumphila.
Listeria monocytogenes.
MRSA.
MRSP.
Pseudomonas aeruginosa.
Rhodococcus equi/
Salmonella tuphimurium.
Staphylococcus aureus.
Streptococcus equi (strangles).

Also proven to denature/precipitate DNA & RNA immediately.

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.

- **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

	Concentrate			Pump	Spray*	Cloth Wipes
	1 Litre Self-Dosing Bottle Clear, Unfragranced 100% conc.	**5 Litre Pump Container Clear, Unfragranced 100%**	**5 Litre Pump Container Blue, Eucalyptus 100%**	**Reusable Pump for use with 5 Litre Containers**	**500ml Trigger Bottle Clear, Unfragranced 1:10**	**Dispensing Drum of 100 Wipes Clear, Unfragranced 1:10**
CASE Order Info:	TM305-C £111.64 / 6 bottles	TM309-C £199.81 / 3 bottles	TM308-C £199.81 / 3 bottles	n/a	TM328-C £53.13 / 6 bottles	TM353-C £117.03 / 12 drums
PACK Order Info:	TM305 £37.22 / 2 bottles	TM309 £66.60 / 1 bottle	TM308 £66.60 / 1 bottle	TR021 £7.57 / each	TM328 £8.86 / 1 bottle	TM353 £9.75 / 1 drum

*Currently product code TM301 (1:100 solution); code changing to TM328 (1:10 solution) early 2018.

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 non-oxidising 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

Microbiological efficacy summary

Viruses
Adenovirus Type 5.
Canine parvovirus.
Coronavirus.
Feline calcivirus (Norovirus).
Hepatitis B.
HIV.

Mycobacteria
Mycobacterium fortuitum.
Mycobacterium terrae.

Fungi
Candida albicans.
Microsporum audioinii.
Trichophyton tonsurans.

Bacteria
Campylobacter jenuni.
Enterococcus faecium.
Enterococcus hirae.
Escherichia coli.
Klebsiella pneumonia.
MRSA.
MRSP.
Proteus vulgaris.
Pseudomonas aeruginosa.
Rhodococcus equi.
Staphylococcus aureus.
Stenotrophomonas maltophilia.
Streptococcus equi (strangles).

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.

- **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

www.starlab.click/**disinfectant**

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 anti-static 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

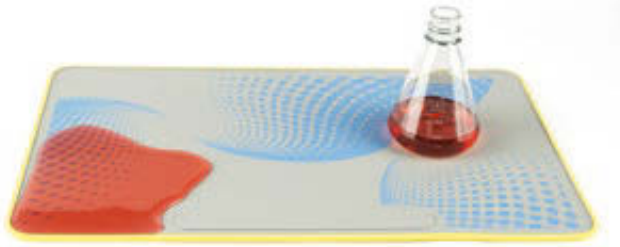
2. The Tray Liners lift off the Spill Tray ... just stretch...

3. ...and roll up for disposal

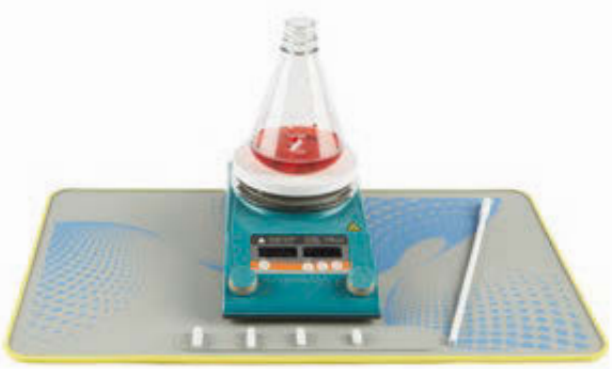
4. Volume of waste is drastically reduced

	Safety Spill Trays					Tray Liners		
	Description	Size	Pack Size	Cat. No.	Price	Pack Size	Cat. No.	Price
	General Purpose Tray, White	450 x 250mm	1	E3446-2609	£42.76	25	E3546-2600	£67.41
	General Purpose Tray, White	530 x 330mm	1	E3454-3409	£51.43	25	E3554-3400	£92.34
	General Purpose Tray, White	570 x 540mm	1	E3457-5409	£67.61	25	E3557-5400	£95.74
	General Purpose Tray, White	670 x 530mm	1	E3468-5409	£110.36	25	E3568-5400	£134.26
	General Purpose Tray, White	690 x 450mm	1	E3470-4609	£87.25	25	E3570-4600	£130.86
	General Purpose Tray, White	1120 x 530mm	1	E3411-3549	£110.36	25	E3511-3540	£152.39
	Radiation Hazard Trays, Yellow	450 x 250mm	1	E3446-2606	£47.03	25	E3546-2600	£67.41
	Radiation Hazard Trays, Yellow	530 x 330mm	1	E3454-3406	£54.00	25	E3554-3400	£92.35
	Radiation Hazard Trays, Yellow	670 x 530mm	1	E3468-5406	£91.62	25	E3568-5400	£134.26
	Radiation Hazard Trays, Yellow	1120 x 530mm	1	E3411-3546	£105.74	25	E3511-3540	£152.39
	Biohazard Trays, White	450 x 250mm	1	E3646-2609	£81.48	25	E3546-2600	£67.41
	Biohazard Trays, White	530 x 330mm	1	E3654-3409	£49.00	25	E3554-3400	£92.34
	Biohazard Trays, White	570 x 540mm	1	E3657-5409	£64.14	25	E3557-5400	£95.74
	Biohazard Trays, White	670 x 530mm	1	E3668-5409	£81.48	25	E3568-5400	£134.26
	Biohazard Trays, White	690 x 450mm	1	E3670-4609	£81.48	25	E3570-4600	£130.86
	Biohazard Trays, White	1120 x 530mm	1	E3611-3549	£101.12	25	E3511-3540	£152.39

Reusable Lab Mat



Lipped mat edge prevents spills from spreading



Designated area with internal metal inserts to keep your stir bars safe

Reversible

Can be rolled up for easy storage

New!

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

Reusable Lab Mat

Description	Pack Size	Cat. No.	Price
Reusable, Autoclavable Silicone Lab Mat	1	E3860-0061	£35.95

Specifications

Material	Silicone
Colour	One side solid yellow, other side blue / grey design
Reversible	Yes
Autoclavable	Yes
Dishwasher safe	Yes
Temperature use	-50 °C to 200 °C
Dimensions (WxDxH)	600 x 350 x 7mm

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