

LIQUID HANDLING TECHNOLOGY

Smart Solutions

PRODUCTS FOR THE LABORATORY 2017

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

S T A R
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Customer Account No:

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Your STARLAB Account Manager:

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STARLAB (UK), Ltd

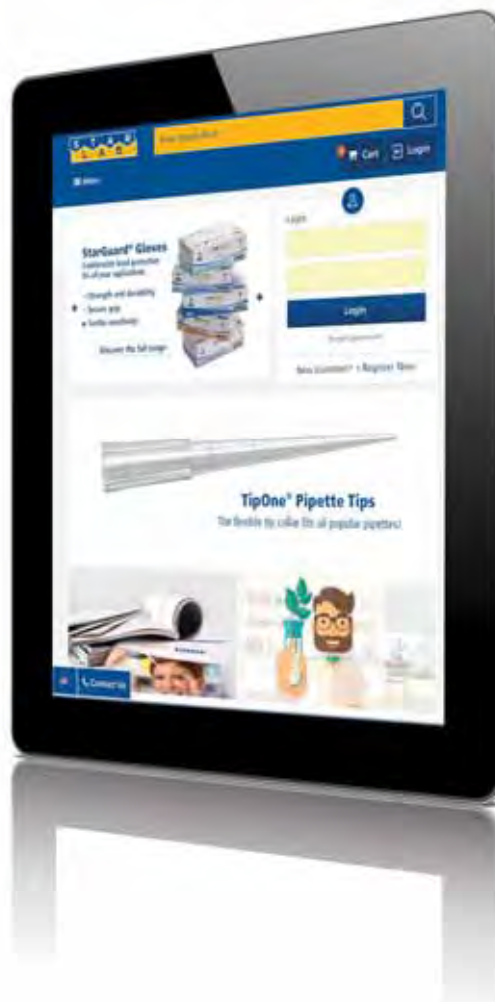
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▶ CHECK OUT OUR NEW eSHOP!

www.starlab.co.uk



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Intelligent Quality



STARLAB develops reliable, efficient products for research and development with an aim to provide “Intelligent Quality” solutions for your laboratory applications.

The STARLAB website will introduce some exciting new features in the next few months to emphasize our aim for “Intelligent Quality”! Don’t miss out – check our website regularly!

Visit

www.starlab.co.uk

now!

TipOne® Pipette Tips

As one of the market-leading manufacturers of pipette tips, we have invested both our passion for and expertise of liquid handling into developing the TipOne® system. Learn all about TipOne® on pages 10 – 28 or go online at

www.starlab.click/tipone

TipOne

Here it is: Our new catalogue!

Dear friends and customers of STARLAB,

We are proud to present our newest catalogue of products, some which you will already know, and others we think, you will want to get to know. Alongside our familiar range of proven consumables for liquid handling, we are happy to present our new products, which we believe deserve your attention.

Firstly, there is our excellent TipOne® pipette tip system which you may already use every day. Our system is intelligently designed to support your daily work on an unsurpassed level.

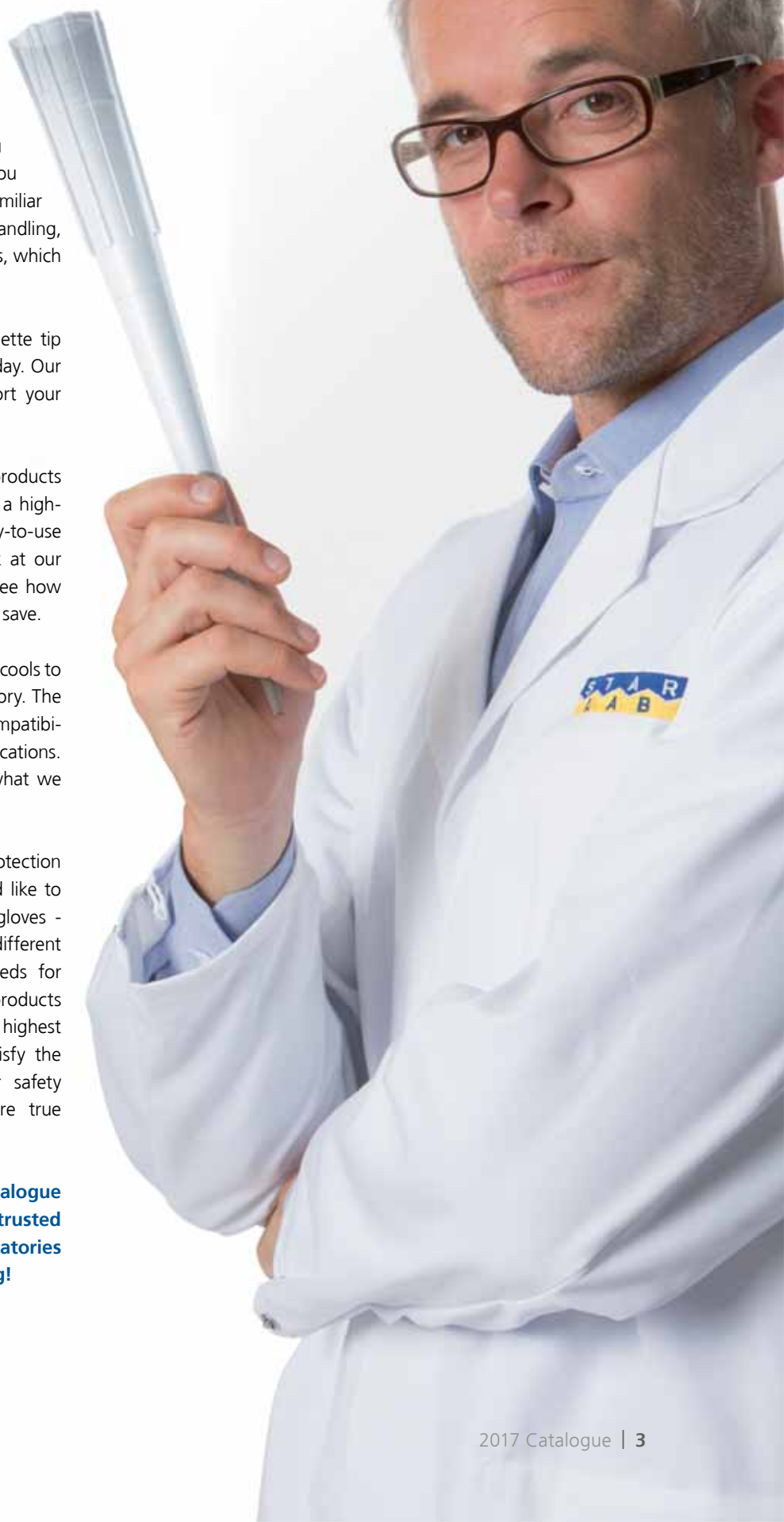
Additions to our portfolio include new products for cell culture applications. There is now a high-grade aspirator, plus an innovative, ready-to-use solution for sterile filtration. Have a look at our brand new CytoOne® Filtration Units to see how easy they are to use and the time they will save.

Our “hot” new Mixer HC mixes, heats and cools to provide genuine flexibility for your laboratory. The unit’s easy handling and wide ranging compatibility will help you with many routine applications. This instrument is just one example of what we mean by “Smart Instruments”.

Last but not least, since your personal protection is of utmost importance to us, we would like to introduce you to our own portfolio of gloves - StarGuard®. The range consists of five different PPE gloves to cover your particular needs for safety, ergonomics and functionality. All products are manufactured and tested to the highest standards with certification that will satisfy the most demanding requirements of your safety department. These protective gloves are true STARLAB quality.

As well as our new products, the catalogue contains all the familiar and trusted STARLAB products used daily in laboratories throughout the world. Enjoy browsing!

Your STARLAB team





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 UKAS accredited Pipette Calibration and Repair Service.

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.



The STARLAB pipette calibration laboratory is **UKAS** accredited so 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 CO₂ 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



StarGuard® Gloves

Your personal protection

Our five new StarGuard® disposable gloves offer daily protection in the lab without sacrificing comfort.

Whether the application requires a thin yet strong glove for maximum tactile sensitivity, or an especially robust glove for optimal splash protection against hazardous chemicals, StarGuard® gloves have the answer for your everyday protection.

Certified quality

All StarGuard® gloves are manufactured and tested to the highest standards, with certification that will satisfy the most demanding requirements of your safety department.



StarGuard® Disposable Gloves
See pages 170–178 for details.



Mixer HC

Mixing! Heating! Cooling! – all combined in one instrument

STARLAB's Mixer HC is your new companion for your daily lab work. State of the art thermo elements and a powerful motor provide precise temperature control and complete mixing for your samples

Maximum flexibility

The Mixer HC is suitable for a wide range of applications and integrates easily into existing work flows with a selection of exchangeable thermoblocks to fit all commonly used vials and plates. A special Iso-Rack allows fast and convenient



transfer of samples into the Mixer HC, making it the ideal choice for time-critical and high-throughput applications.

Smart

Easy to operate, the intuitive controls

enable fast programming of protocols for your applications. The Mixer HC deserves its place in STARLAB's range of Smart Instruments.

Mixer HC

See pages 150–152 for details.

CytoOne® Bottle Top Filtration Units



CytoOne®

the fastest throughput rates. The CytoOne® Bottle Top Filtration Units offer the safe handling of liquids up to 1000 ml.

The world's first filtration system for 15 ml centrifuge tubes replaces the annoying task of squeezing liquids through syringe filters.

All CytoOne® filtration systems are compatible with the convenient Pedestal and a Cradle Ring that can be attached to a laboratory stand. These patented docking systems enable hands-free filtration and rapid exchange of filtration units.

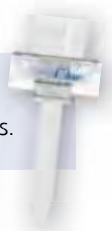
Easy going!

The new CytoOne® systems for the sterile filtration of Fetal Bovine Serum and other viscous liquids complement

our successful cell culture portfolio. A high-speed membrane made of 0.2µm polyethersulfone provides

Cell Culture Filtration

See pages 116–119 for details.



Aspirator

Comfortable and safe aspiration of liquids

STARLAB's Aspirator is designed for the safe and comfortable aspiration of fluids. The chemically-resistant pump automatically switches on/off to reduce the noise level in the workplace.

The ergonomically designed hand controller is autoclavable and the continuous tubing prevents internal contamination.

Modular and versatile

The Aspirator can adapt easily to your special demands and applications.

An additional hand controller can easily be attached to the powerful pump to double productivity. Autoclavable, self-sealing quick couplings facilitate safe and fast exchange of collection bottles containing material of biological risk.

The Aspirator can also be used as a mobile vacuum source for sterile filtration, for example with the new CytoOne® filtration systems above, or for solid phase extraction.

Mixer HC

See pages 150–152 for details.



Anything else you need to know...



STARLAB products with iQ

As STARLAB develops reliable and efficient products for research and development, our aim is to provide "Intelligent Quality" solutions for your laboratory applications. We go that extra mile so our products to give you the best possible Intelligent Quality! This not only shows in our products, but also in the passion of our employees.

Learn more at www.iQ-starlab.com



TipFinder – Find the right tip for your pipette

Did you know STARLAB pipette 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 - our 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 the importance for you to be able to test a product before using it long-term for your valuable research. We offer the opportunity for you 'try before you buy' any consumable item!

www.starlab.click/samplerequest



Catalogue Questionnaire

Your opinion is valuable to us in order that we may continually improve what we offer to you, our customers. Please take a few moments to complete the online survey on our new catalogue.

Go to www.starlab.click/catalogue-survey and complete the quick survey to be entered into a **PRIZE DRAW for a STARLAB Goodie Bag!**

NOTE: Complete survey before **31 July 2017** to be entered into the draw. Items supplied may vary, depending on availability.



Always the right tip!

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



Pipette Tips

TipOne® PIPETTE TIPS

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The Trusted Tip

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

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

Latest Technology! **Manufacture**

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

Intensive! **Quality Control**

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

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

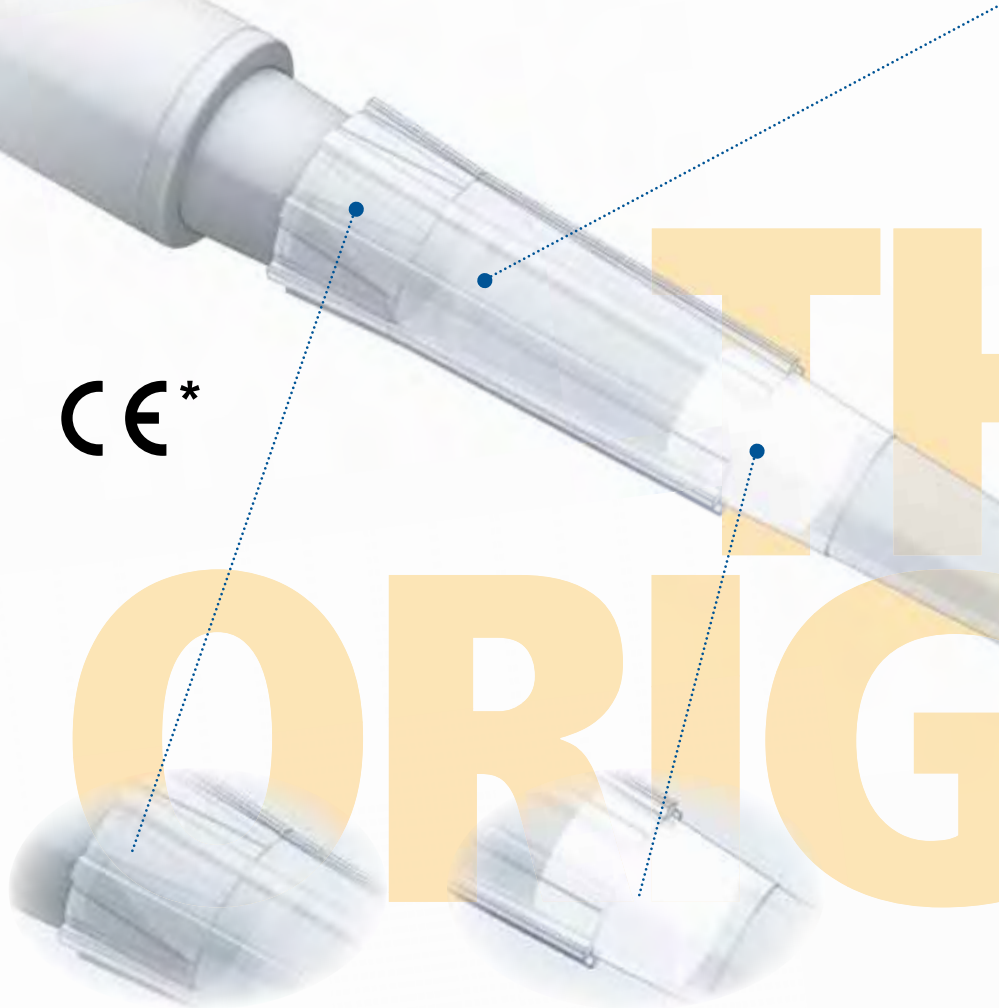
Unique collar

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



TipOne®

CE*



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 24–25.

* 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 27 October 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!

Tip fit

One tip fits all! The tip collar is engineered to fit all popular pipettes.

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 26–27.

TipOne® Tips: The New Generation

Our four newest tips offer the following benefits

Universal fit: The flexible tip collar fits all popular pipettes.

Enhanced clarity through thin-wall technology provides better visibility of your samples: The use of modern injection moulding processes provides a thin-walled tip with high precision.

Secure and ergonomic: Engineered to provide both an optimal tip fit and to reduce loading and ejection forces.

Green: A considerable reduction in the material used for the production of TipOne® tips helps to save valuable resources and is beneficial for the environment.

Certified: All tips are certified RNase, DNase, DNA and Pyrogen free.



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



TipOne®



10/20 µl XL Graduated TipOne® Tip

- ▶ **3 mm longer:** for better access into tubes
- ▶ **Clear, defined graduations:** 1 µl, 5 µl, 10 µl and 20 µl
- ▶ **Green:** uses approx. 15 % less material
- ▶ **Improved tip collar:** for reduced loading and ejection forces
- ▶ **Filter version also available**

200 µl UltraPoint Graduated TipOne® Tip

- ▶ **UltraPoint thin-wall orifice:** helps prevent sample hang up and makes it easier to touch-off the last drop of sample
- ▶ **Flexible:** Thin-wall tip collar fits all popular pipettes and reduces loading and ejection forces
- ▶ **Clear, defined graduations:** 10 µl, 50 µl and 100 µl
- ▶ **Green:** uses approx. 25 % less material
- ▶ **Filter version also available:** In volumes 20 µl and 100 µl

300 µl Graduated TipOne® Tip

- ▶ **3.2 mm longer:** for better access into tubes
- ▶ **Clear, defined graduations:** 100 µl, 200 µl and 300 µl
- ▶ **Green:** uses approx. 10 % less material
- ▶ **Ideal for use with multi-channels**
- ▶ **Filter version also available**

1000 µl Graduated TipOne® Tip

- ▶ **Finer tip:** for better access into tubes
- ▶ **Reconfigured wafer:** now multi-channel compatible
- ▶ **Flexible:** Thin-wall tip collar fits all popular pipettes and reduces loading and ejection forces
- ▶ **Clear, defined graduations:** 250 µl, 500 µl and 1000 µl
- ▶ **Green:** uses approx. 40 % less material

A system with a system!

One System, One Solution!

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

Compact, durable and green design

TipOne® is designed to be a green system. Thanks to the design, our refill reduces the amount of raw materials needed for its manufacture, resulting not only in less consumption of resources, but also the lowering of CO₂ 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.

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, so having the information on the wafer rather than on the rack or a label avoids errors when racks are refilled with a different type or volume of tip.

Shelf boxes

The system is supplied in easy to stack cardboard shelf boxes.



The perfect Rack

- ▶ 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
- ▶ Quick and easy tip identification via colour-coded wafers with laser printed information and transparent lid
- ▶ Stackable
- ▶ Reusable
- ▶ Autoclavable

System Components Overview



The clever Refill

- ▶ The refill is divided into two separate, individually-wrapped stacks of five wafers
- ▶ Completely sealed, the tips are safe from contamination by the tight fitting top shell and unique spacers
- ▶ Economical, space-saving design
- ▶ Autoclavable when racked
- ▶ Recyclable



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



The compact Stack Rack

- ▶ Wide base for great stability
- ▶ Transparent lid protects tips when not in use
- ▶ 960 tips for high throughput use, ideal for multi-channel users
- ▶ Autoclavable
- ▶ Recyclable

The unique Filter Tip Refill

- ▶ An economical and eco-friendly sterile, filter tip refill system
- ▶ Fast, easy and safe: The filter tips are refilled with the top and bottom shell intact, thus providing a fast, fully protected refill system that does not compromise tip sterility
- ▶ Reloading racks with sterile filter refills during long periods of use in hoods and PCR workstations saves on valuable space
- ▶ Not only does the refill system generate less waste, the bottom shells are nestable so your waste takes up less storage space too

The Perfect Rack

The perfect Rack

The rack is at the heart of the TipOne® pipette tip system. It is made from pure polypropylene for excellent stability and durability.

The 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.

No label? Refilling a rack with a different volume or style of tips may cause confusion if the label is not removed. Therefore instead, all information regarding the tips is printed directly on the wafer, so you always know the volume and type of tips you are using, whether they were originally racked or from a refill.



The transparent lid

The super-transparent lid provides protection for the tips while allowing a clear view of the contents and the tip information printed on the wafer. The secure lid opens at an optimised angle for unrestricted access but can also be removed if necessary.



Stackable

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



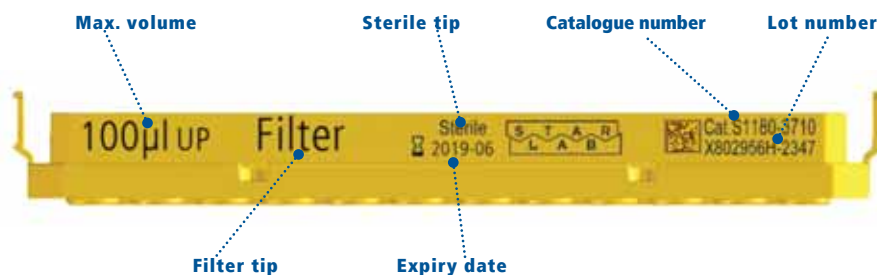
The new Lid Clip

For further help differentiating between racks, eg "filter tips" or "autoclaved" or for your own personalisation, we have designed a reusable lid clip with a writing area which fits securely to the frame of the rack lid. The lid clip is made from autoclavable and recyclable polypropylene and is available in the same five colours as the wafers, plus white.



The Wafer

The tip wafer is easy to insert and remove, and locks into the rack for secure and stable positioning during pipetting. The information is laser-printed onto each wafer so is both abrasion and autoclave proof. As well as showing the type and volume of the tips, the catalogue number for ordering and the lot number, the expiry date (sterile tips only) is also provided for easy traceability and stock control purposes. An additional 2D matrix code allows the use of scanners for Laboratory Information Management Systems (LIMS) and efficient, computerised handling of inventory.



Colour-coded wafers for easy volume identification

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



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

Ideal for multi-channel pipettes

The TipOne® rack is ideal for multi-channel pipetting. 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.



Autoclavable

The rack is designed for prolonged and repeated use and will withstand repeated autoclave cycles while retaining its stability, strength and shape. The racks can be autoclaved with the lid closed, thus saving space in the autoclave and energy costs by reducing the number of autoclaving cycles needed.

The Clever Refill

The clever Refill

The 10/20 µl XL, 300 µl and 1000 µl pipette tips are not nestable due to their shape. Therefore we developed a unique spacer which sits between each layer of tips in order to provide a compact refill that saves on valuable storage space both in the lab and during transportation. The manufacture of refills requires the use of less raw materials, thus providing an eco-friendly refill which uses less resources.

The refills are separated in two individually-wrapped stacks of five wafers. Even after unwrapping, the tips remain protected from contamination by the spacers and the tight fitting top and bottom shells.

All the tip information printed on the wafers can be seen easily without having to expose the tips. Once racked, the refills can be autoclaved.

All refill components are made of polypropylene so separating materials prior to recycling is not necessary.



The two-part label

Each refill comprises two stacks of tips connected by an innovative perforated double label. All product information is provided on both sides of the label so even after the stacks are separated both are still easily identifiable. To prevent inventory mistakes, each refill contains only one barcode area.



The spacers

Spacers are placed between the layers of tips to provide effective protection from contamination (only for refills with the following tip volumes: 10/20 µl XL, 300 µl und 1000 µl).

How it works:



Separating the refill

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



Removing wafers from the refill

Remove the protective film and lift the top wafer, including the top shell, off the stack. Use the finger tabs on either end of the wafer to lift the refill. (The spacer below the wafer will lift too.)



Refill the rack

It's so easy! Simply place the wafer, top shell and spacer into an empty rack and click securely in place. The top shell can either remain inside the rack for extra protection or transferred back to the top layer of the open refill if not racking all five at the same time.



Close the lid, refilling is complete

Refilling a rack takes only a few seconds. The refilled rack can now be used or autoclaved, depending on your application.



Re-cover the partially used stack

The remaining tips of the refill can be protected from contamination by replacing the top shell. (There's no need to take off the bottom shell when transferring the last wafer. Both bottom shell and wafer fit into the new rack.)

- ▶ Save space
- ▶ Save money
- ▶ Save plastic



The Unique Filter Tip Refill

The unique Filter Tip Refill

Our individually-wrapped TipOne® filter tip refill provides an economical and eco-friendly alternative to racked sterile filter tips. The fast and easy refill system does not compromise the sterility of the tips due to the specially designed top and bottom protective shells.

After unwrapping, the filter tip refill is loaded directly into an empty rack. Using sterile filter refills to reload racks directly during periods of long use in hoods and PCR workstations saves up to 20 % of the precious space.



Minimising waste volume

As with our standard non-filter refill, the top and bottom shells are made from polypropylene and can be placed in the same recycling bin as the wafers and surplus racks. Additionally, the top and bottom shells are nestable to reduce total waste volume, and the same size and material as those used on the non-filter refills, so everything can be recycled in the same, space-saving way.

How it works:



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



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



Remove the refill cover.



The bottom shells of the refill are nestable to save on waste volume.



The filter tip refill can only be used in the 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 next generation Stack Rack has a wide base for stability and a transparent lid to protect the tips.

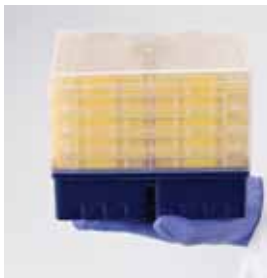
The Stack Rack provides 960 tips in one convenient and compact unit, making it an excellent choice for multi-channel use.

All tip information is printed on the wafers which can be read easily through the transparent lid without having to expose the tips.

The Stack Rack is autoclavable and fully recyclable.



How it works:



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



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



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



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













The Self-Standing Bag

The self-standing Bag

Loose TipOne® tips are supplied in convenient self-standing bags for easy access and storage. The tamper-proof perforation strip on the bag provides easy opening whilst the re-sealable zip-lock provides safe, contamination-free storage of opened product. The bag is made from recyclable polyethylene.





















PIPETTE TIPS	Loose	Racked	Racked (Sterile)
	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 2017. All part numbers will stay the same.



				
	Refill	Stack Rack	Stack Rack (Sterile)	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.



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!

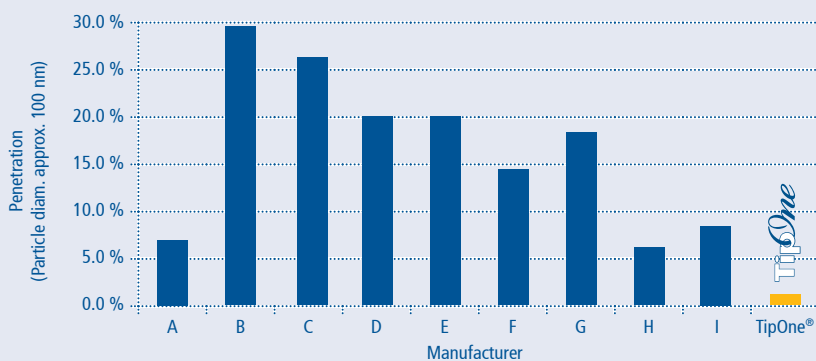
Protect your samples against unwanted contamination by using TipOne® filter tips. During pipetting, it is not possible to see with the eye if fine aerosols are going into your pipette. If they are, those aerosols can contaminate other samples at a later date. TipOne® filter tips are proven* to block >99 % of aerosols and are among the best filters on the market. 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.





FILTER TIPS (STERILE)	Racked (Sterile)	Filter Refill (Sterile)	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 (HDPE) and contain no additives which can interfere with your samples. TipOne® filters are hydrophobic and will not absorb your valuable samples in the way “sealing filters” do.



www.starlab.click/filtertips



TipOne® RPT

TipOne® Pipette Tips



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.



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 % virgin polypropylene
- ▶ Improved sample recovery
- ▶ Reduced DNA binding
- ▶ Autoclavable
- ▶ Fits all popular pipettes
- ▶ Reusable, refillable and recyclable system



FREE SAMPLE
TRY
before you
BUY
available on request



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 (Sterile)	Filter Refill (Sterile)
	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 £77.83 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

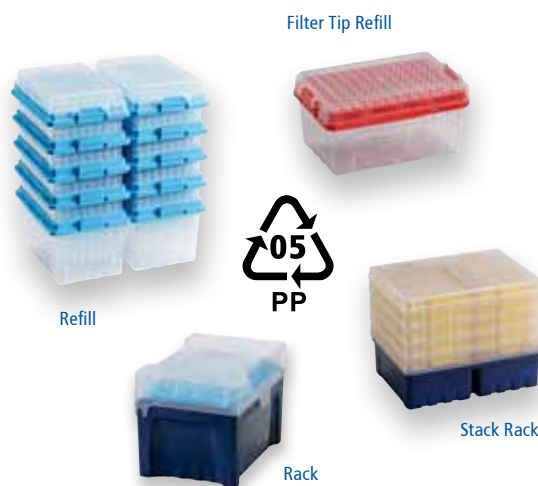
TipOne® is designed as a reusable system and all racks within the system (standard tips, filter tips and TipOne®RPT) can be reused with both the standard and filter tip refills.

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

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

▶ IF NO RECYCLING IS AVAILABLE AT YOUR ACCOUNT, CONTACT STARLAB TO ORGANISE RECYCLING COLLECTIONS

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



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



Recycling crate

Use in/outside stores to hold a large number of recycling bags. Easy truck access at your site is essential. Recycling must be bagged for collection.

Dimensions (WxDxH): 120 x 100 x 94 cm

Contact STARLAB to arrange



Wheelie bin (240 litre)

Supplied with STARLAB recycling bags for lining the bin and cable ties for securing the bag once full. The recycling is collected in the bag.

Cat. No. S5000-7300

Dimensions (WxDxH): 56 x 74 x 94 cm



Recycling bins

Smaller recycling containers to keep in the corner of your lab or under the bench.

Cardboard recycling bin, Cat. No. S5000-7600

Dimensions (WxDxH): 30.5 x 30.5 x 75 cm

Green pop-up recycling bin, Cat. No. S5000-7000

Dimensions (HxØ): 60 x 50 cm



STARLAB Recycling Bag

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

All recycling must be bagged before requesting a collection!

LARGE Bag to fit wheelie bin

Cat. No. S5000-7100





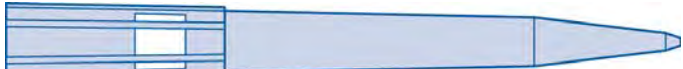

SMALL Bag to fit either the pop-up bin or cardboard recycling bin. Or use on its own.

Cat. No. S5000-7200




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

Extended Length Tips




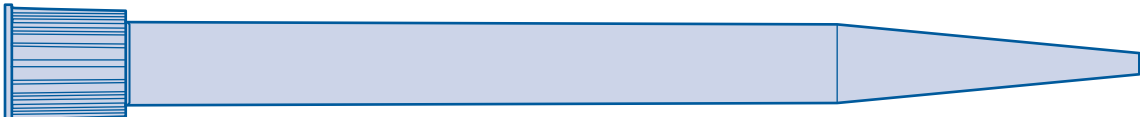




Extended Length Tips						
All tips are certified and natural in colour and shown actual size.		Cat. No.	Pack Type	Sterile	Pack Size	Price
 <p>200 µl XL Tip For use with but not limited to: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®, Volac®</p>	E1011-0020	Bag	No	1000	£29.17	
	E1011-0920	204-Tip Rack	No	8 x 204	£104.79	
	E1011-0921	204-Tip Rack	Yes	8 x 204	£118.44	
 <p>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®</p>	E1011-0830	204-Tip Rack	Yes	8 x 204	£188.42	
 <p>200 µl XL Filter Tip For use with but not limited to: ErgoOne®, Eppendorf®, Finnpipette®, MLA®</p>	E1011-5830	100-Tip Rack	Yes	8 x 100	£92.90	
 <p>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®</p>	E1011-1002	Bag	No	1000	£22.54	
	E1011-1430	100-Tip Rack	No	10 x 100	£47.83	
 <p>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®</p>	E1011-1008	Bag	No	1000	£71.74	
	E1026-7810	100-Tip Rack	Yes	10 x 100	£111.43	
 <p>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®</p>	E1011-3010	96-Tip Rack	Yes	8 x 96	£84.93	

384-Format Tips

384-Format Tips						
All tips are certified and natural in colour and shown actual size.		Cat. No.	Pack Type	Sterile	Pack Size	Price
 <p>50 µl CAPP-Style 384-Format Tip, Low-Retention For use with but not limited to: CAPP® 16- 34- & 64-Channel</p>	E3840-5110	384-Tip Rack	Yes	10 x 384	£522.36	



Large Volume Tips

Large Volume Tips						
All tips are certified and natural in colour (unless stated) and shown actual size.		Cat. No.	Pack Type	Sterile	Pack Size	Price
	1250 µl Matrix-Style Filter Tip For use with: Matrix® Impact and Impact 2	E1250-0718	96-Tip Rack	Yes	12 x 96	£141.97
	2500 µl Eppendorf-Style Tip For use with: Eppendorf®, Socorex®	I1008-9000	Bag	No	500	£46.45
	5000 µl Biohit-Style Tip For use with: Biohit®, Eppendorf®, Genex®	E1009-7000	Bag	No	250	£25.11
	5000 µl Biohit-Style XL Tip For use with: Biohit®, Eppendorf®, Genex®	E1009-7001	Bag	No	250	£26.54
	5000 µl Eppendorf-Style Graduated Macro Tip For use with: Eppendorf®, Biohit®, Socorex®	I1053-0000	Bag	No	250	£15.65
		I1053-0700	50-Tip Rack	No	10 x 50	£61.62
		I1053-0710	50-Tip Rack	Yes	10 x 50	£68.98
	5000 µl Eppendorf-Style Graduated Filter Macro Tip For use with: Eppendorf®, Biohit®	I1053-0728	50-Tip Rack	Yes	2 x 50	£67.73
	5000 µl Finn-Style Tip For use with: ErgoOne® E, Finnpipette®, Brand®, SMI®, Socorex®	E1009-5000*	Bag	No	250	£23.83
		E1009-5700*	Racked	No	4 x 50	£104.93
	5000 µl Finn-Style Filter Tip For use with: ErgoOne® E, Finnpipette®, Brand®, SMI®, Socorex®	E1009-5718	Racked	Yes	1 x 50	£44.12

*not certified.



Large Volume Tips

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

Cat. No.	Pack Type	Sterile	Pack Size	Price
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**5000 µl** Gilson-Style Graduated Macro Tip

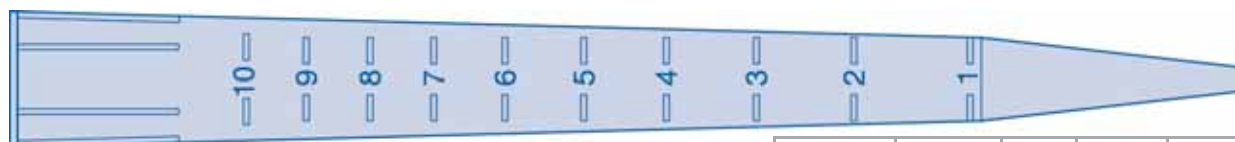
For use with: ErgoOne®, Gilson®, Nichiryo®, StarPet, Volac®

I1050-0000	Bag	No	250	£15.27
I1050-0700	50-Tip Rack	No	10 x 50	£61.10
I1050-0710	50-Tip Rack	Yes	10 x 50	£66.35

**5000 µl** Gilson-Style Graduated Macro Filter Tip

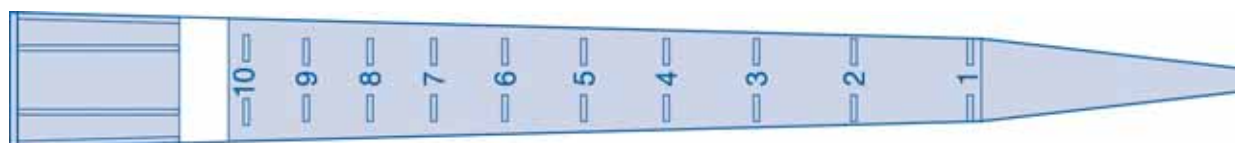
For use with: ErgoOne®, Gilson®, Nichiryo®, StarPet, Volac®

I1050-0728	50-Tip Rack	Yes	2 x 50	£59.09
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**10 ml** Gilson-Style Graduated Macro Tip

For use with: Gilson®, Eppendorf®, Rainin®, Socorex®, StarPet

I1054-0000	Bag	No	200	£33.18
I1054-0001	25-Tip Rack	No	10 x 25	£79.63
I1054-0011	25-Tip Rack	Yes	10 x 25	£86.26

**10 ml** Gilson-Style Graduated Macro Filter Tip

For use with: Gilson®, Eppendorf®, Rainin®, Socorex®, StarPet

I1054-0028	25-Tip Rack	Yes	2 x 25	£53.08
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**10 ml** Finn/Socorex-Style Blue Tip

For use with: Finn®, Socorex®, Accumax®, Biohit®

I1052-0000	Bag	No	200	£23.91
I1052-0001	25-Tip Rack	No	10 x 25	£59.72
I1052-0010	25-Tip Rack	Yes	10 x 25	£70.36








**10 ml** Finn/Socorex-Style Blue Filter Tip (Working Vol. 9.5ml)

For use with: Finn®, Socorex®, Accumax®, Biohit®


I1052-0028	25-Tip Rack	Yes	2 x 25	£53.08
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Wide Orifice Tips







Wide Orifice Tips						
All tips are certified and natural in colour (unless stated) and shown actual size.		Cat. No.	Pack Type	Sterile	Pack Size	Price
	200 µl Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpiquette®, MLA®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, StarPet E, Titertek®, Volac®	I1011-8000	Bag	No	1000	£21.28
	200 µl Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Brand®, Capp®, Eppendorf®, Finnpiquette®, Labnet®, Matrix®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, VWR®	E1011-5000	Bag	No	1000	£18.39
		E1011-5100	96-Tip Rack	No	10 x 96	£28.12
		E1011-5110	96-Tip Rack	Yes	10 x 96	£34.61
	200 µl Graduated Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpiquette®, Fisherbrand®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, StarPet E, Titertek®, Volac®	E1011-8000	Bag	No	1000	£20.28
	200 µl Filter Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Brand®, CAPP®, Eppendorf®, Finnpiquette®	E1011-8618	96-Tip Rack	Yes	10 x 96	£95.39
	1000 µl Graduated Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Costar®, Eppendorf®, Finnpiquette®, Fisherbrand®, Nichiryo®, Oxford-Benchmate®, Rainin®, SMI®, Socorex®, StarPet, Titertek®, Volac®	E1011-9000	Bag	No	1000	£25.29
	1000 µl Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Brand®, CAPP®, Eppendorf®, Finnpiquette®	E1011-9601	100-Tip Rack	No	10 x 100	£54.85
		E1011-9611	100-Tip Rack	Yes	10 x 100	£63.19
	1000 µl Filter Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Brand®, CAPP®, Eppendorf®, Finnpiquette®	E1011-9618	96-Tip Rack	Yes	10 x 100	£95.39




Gel Extraction Tool

Gel Extraction Tool				
	Cat. No.	Description	Pack Size	Price
		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.		
	N2000-0100	X-Tracta™ Gel Extraction Tool	100	£65.33

FREE SAMPLE
TRY
before you
BUY
available on request

Gel-Loading Tips

Round Gel-Loading Tips						
All tips are certified and natural in colour. Tips shown actual size.		Cat. No.	Pack Type	Sterile	Pack Size	Price
 <p>10µl Round Gel-Loading Tip For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, StarPet</p>	Length: Total 56.62 mm / Flexible: 25.30 mm. Orifice: OD. 0.58 mm / ID. 0.30 mm					
	I1010-3000	Bag	No	1000	£34.55	
	I1010-3600	204-Tip Rack	No	5 x 204	£58.34	
	I1010-3610	204-Tip Rack	Yes	5 x 204	£64.35	
 <p>10µl Round Gel-Loading Filter Tip For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, StarPet</p>	Length: 56.62 mm / Flexible capillary length: 25.30 mm. Orifice: OD. 0.58 mm / ID. 0.30 mm					
	I1010-3800	204-Tip Rack	Yes	5 x 204	£111.43	
 <p>10µl Round Gel-Loading Tip For use with: ErgoOne®, Eppendorf®, Gilson®, Nichiryo®, Oxford-Benchmate®, Socorex®, StarPet</p>	Length: Total 71.25 mm / Flexible capillary 25.3 mm. Orifice: OD. 0.58 mm / ID. 0.30 mm					
	I1012-3600	204-Tip Rack	No	8 x 204	£82.25	
	I1012-3610	204-Tip Rack	Yes	8 x 204	£90.27	
 <p>20µl Round Gel-Loading Filter Tip For use with: ErgoOne®, Gilson®, Costar®, Eppendorf®, MLA®, Socorex®, Volac®</p>	Total Length: 68 mm. Orifice: OD. 0.60 mm / ID. 0.30 mm					
	E1021-0618	204-Tip Rack	Yes	5 x 204	£112.80	
 <p>100µl Round Gel-Loading Filter Tip For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpiette®, Nichiryo®, Oxford-Benchmate®, Socorex®, StarPet, Titertek®, Volac®</p>	Total Length: 68 mm. Orifice: OD. 0.60 mm / ID. 0.30 mm					
	E1022-0008	Bag	No	1000	£71.74	
	I1022-0810	204-Tip Rack	Yes	5 x 204	£112.80	
 <p>200µl Round Gel-Loading Tip For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Finnpiette®, MLA®, Nichiryo®, Oxford-Benchmate®, Rainin®, StarPet, Socorex®, Titertek®, Volac®</p>	Total Length: 68 mm. Orifice: OD. 0.60 mm / ID. 0.30 mm					
	I1022-0000	Bag	No	1000	£37.18	
	I1022-0600	204-Tip Rack	No	5 x 204	£58.33	
	I1022-0610	204-Tip Rack	Yes	5 x 204	£64.98	

Flat Gel-Loading Tips							
All tips are certified and natural in colour. Tips shown actual size.		Cat. No.	Pack Type	Sterile	Thickness	Pack Size	Price
 <p>10µl Flat Gel-Loading Tip For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, StarPet</p>	I1012-2600						
	I1012-4600	200-Tip Rack	No	0.40 mm	1 x 200	£50.45	
 <p>10µl Flat Gel-Loading Tip For use with: ErgoOne®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, Socorex®, StarPet</p>	I1011-2600						
	I1011-4600	200-Tip Rack	No	0.40 mm	1 x 200	£59.72	
 <p>200µl Flat Gel-Loading Tip For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpiette®, Fisherbrand®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®</p>	I1022-2600						
	I1022-4600	200-Tip Rack	No	0.40 mm	1 x 200	£66.35	



TipOne® Repeat Dispenser Tips



Dispenser Tips



Our new TipOne® Repeat Dispenser Tips are available in an extra volume of 0.1 ml! Additionally the new TipOne® Repeat Dispenser Tips fit more dispenser models than before. This new 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			
Cat. No.	Description	Pack Size	Price
Non-Sterile			
S4751-0010	0.1 ml TipOne® Repeat Tips	100	£70.04
S4751-0050	0.5 ml TipOne® Repeat Tips	100	£61.80
S4751-0100	1.0 ml TipOne® Repeat Tips	100	£61.80
S4751-0250	2.5 ml TipOne® Repeat Tips	100	£61.80
S4751-0500	5.0 ml TipOne® Repeat Tips	100	£61.80
S4751-1000	10 ml TipOne® Repeat Tips	100	£61.80
S4751-2500	25 ml TipOne® Repeat Tips*	100	£77.25
S4751-5000	50 ml TipOne® Repeat Tips*	100	£87.55
S4756-2500	Adapter for 25 ml Dispenser Tips	1	£5.49
S4756-5000	Adapter for 50 ml Dispenser Tips	1	£5.49
Sterile, Individually Wrapped			
S4761-0010	0.1 ml TipOne® Repeat Tips (Sterile)	100	£101.97
S4761-0050	0.5 ml TipOne® Repeat Tips (Sterile)	100	£93.73
S4761-0100	1.0 ml TipOne® Repeat Tips (Sterile)	100	£93.73
S4761-0250	2.5 ml TipOne® Repeat Tips (Sterile)	100	£93.73
S4761-0500	5.0 ml TipOne® Repeat Tips (Sterile)	100	£93.73
S4761-1000	10 ml TipOne® Repeat Tips (Sterile)	100	£93.73
S4761-2500	25 ml TipOne® Repeat Tips (Sterile)*	100	£113.30
S4761-5000	50 ml TipOne® Repeat Tips (Sterile)*	100	£120.51
S4765-2500	Adapter for 25 ml Dispenser Tips (Sterile)	7	£41.20
S4765-5000	Adapter for 50 ml Dispenser Tips (Sterile)	7	£41.20

* 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®
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. Finnpiquette® 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 56 for ordering details of STARLAB's RepeatOne® Dispenser



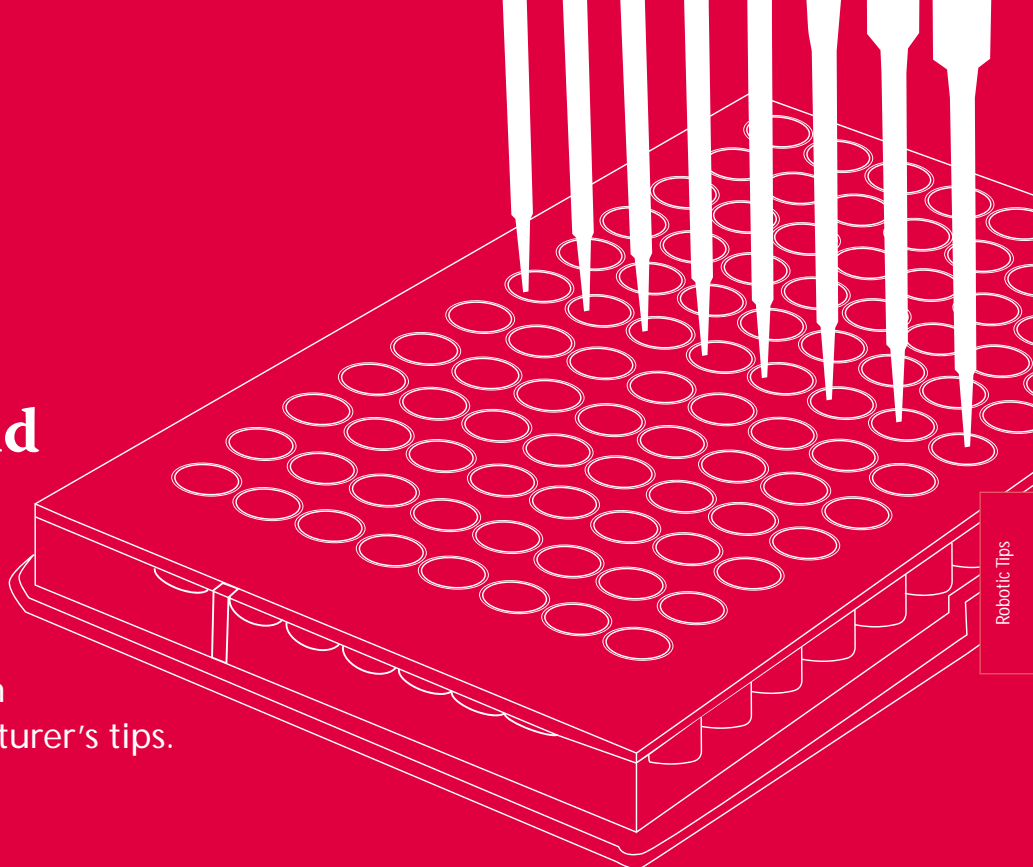
Application Guide					
Dispenser Tip Volume	Dispenser Adjustment				
	1	2	3	4	5
0.1 ml	2 µl	4 µl	6 µl	8 µl	10 µl
0.5 ml	10 µl	20 µl	30 µl	40 µl	50 µl
1.0 ml	20 µl	40 µl	60 µl	80 µl	100 µl
2.5 ml	50 µl	100 µl	150 µl	200 µl	250 µl
5.0 ml	100 µl	200 µl	300 µl	400 µl	500 µl
10 ml	200 µl	400 µl	600 µl	800 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.

www.starlab.click/dispensertips

Perfect fit and precision!

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



Robotic Tips

OVERVIEW 36

TIPS FOR BECKMAN COULTER®

Biomek® 1000 & 200037
Biomek® 300038-39
Biomek® FX & NX 38-39
Multimek®38-39

TIPS FOR PACKARD®

MultiProbe® II 40
MultiProbe® IIHT/EX 40

TIPS FOR PERKIN ELMER®

Janus®41
Evolution® P³, MiniTrak™ & PlateTrak™41

TIPS FOR QIAGEN®

QIAgility® (formerly Corbett CAS-1200).....41

TIPS FOR TECAN®

Freedom EVO® 42
Genesis & MiniPrep 42

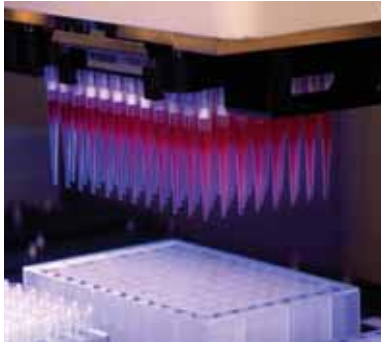
TIP-ROBOT COMPATIBILITY

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ROBOTIC RESERVOIRS

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Robotic Tips Overview



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.

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.



Recycle your Robotic Tip Racks

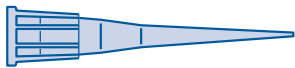



Robotic tip racks can be recycled using STARLAB's free recycling collection service. We can set up a recycling service purely for your robotic tip racks, or they can be collected in the same recycling bags and crates with your TipOne® recycling. Whatever is easier for you!

See page 28 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 £38.44 I1060-2400-C (5)	I 1060-2410 £42.44 I1060-2410-C (5)
 50 µl Tip	Orange SBS Rack P20, MP20, P200, MP200	n/a	I 1060-5410 £53.71 I1060-5410-C (5)
 250 µl Tip	Black SBS Rack P200, MP200	I 1062-0400 £38.44 I1062-0400-C (5)	I 1062-0410 £41.19 I1062-0410-C (5)
 1000 µl Tip	Black Non-SBS Rack P1000	10 x 72-Tip Racks E1075-3700 £82.25 E1075-3700-C (5)	10 x 72-Tip Racks E1075-3710 £86.26 E1075-3710-C (5)

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

*Unless stated otherwise.

Case sizes available at discount!

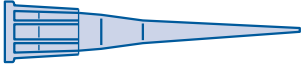
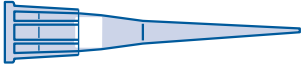



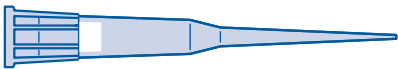
Cat. Nos ending in -C are case sizes, the number in brackets beside the case price in the ordering information tables is the number of packs per case.

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 tips to ensure compatibility and a consistent fit
- ▶ You can recycle the empty racks with your other plastic recycling (see page 28)
- ▶ 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 £44.44 E1076-4400-C (5)	E1076-4410 £47.83 E1076-4410-C (5)
 20 µl Filter Tip	Pale Blue SBS Rack AP96, SPAN-8, MP20	n/a	E1076-4418 £108.80 E1076-4418-C (5)
 50 µl Tip	Orange SBS Rack AP96, SPAN-8, MP20, MP200	E1076-2400 £57.72 E1076-2400-C (5)	E1076-2410 £60.97 E1076-2410-C
 50 µl Filter Tip	Orange SBS Rack AP96, SPAN-8, MP20, MP200	n/a	E1076-2418 £108.80 E1076-2418-C
 250 µl Tip	Green SBS Rack AP96, SPAN-8, MP200	E1076-0400 £44.44 E1076-0400-C (5)	E1076-0410 £47.83 E1076-0410-C
 175 µl Filter Tip	Green SBS Rack AP96, SPAN-8, MP200	n/a	E1076-0418 £122.07 E1076-0418-C (5)

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

AP96 & SPAN-8 compatible

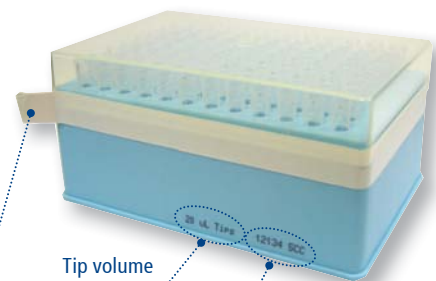
No special set-up required!

Engineered to the exact specifications as original manufacturer's tips

New, easy-release tape opening on sterile product

Tip volume printed on every rack

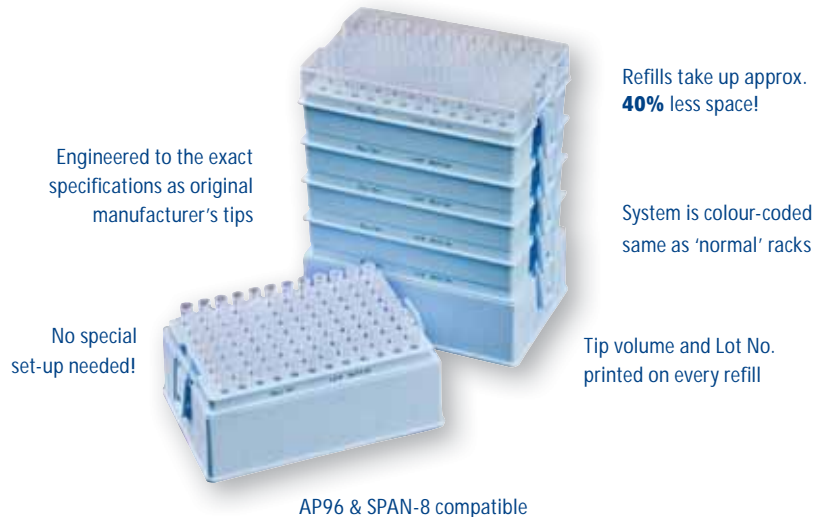
Lot No. printed on every rack



 www.starlab.click/robotictips

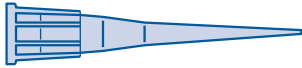

Economical, eco-friendly and space saving refill system!

- ▶ 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 28)
- ▶ Certified RNase, DNase, DNA and PCR Inhibitor free



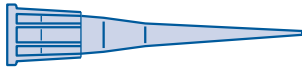

Refillable racks

Get yourself started by first buying the refillable racks.

Refillable Racks	Rack Style / Head	Non-Sterile	Sterile
 20 µl Tip	Pale Blue Refillable Rack AP96, SPAN-8	10 x 96-Tip Refillable Racks E1076-4800 £37.18 E1076-4800-C (5)	10 x 96-Tip Refillable Racks E1076-4810 £42.44 E1076-4810-C (5)
 250 µl Tip	Green Refillable Rack AP96, SPAN-8	E1076-0800 £37.18 E1076-0800-C (5)	E1076-0810 £42.44 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!

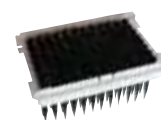
Refills	Rack Style / Head	Non-Sterile	Sterile
 20 µl Tip	Pale Blue Refill AP96, SPAN-8	10 x 96-Tip Refills E1076-4700 £34.55 E1076-4700-C (5)	10 x 96-Tip Refills E1076-4710 £38.56 E1076-4710-C (5)
 250 µl Tip	Green Refill AP96, SPAN-8	E1076-0700 £34.55 E1076-0700-C (5)	E1076-0710 £3.56 E1076-0710-C (5)



















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 £398.13	R1081-3700 £431.30
 10 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-3810 £431.97	R1028-3810 £452.59
 50 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-5700 £398.13	R1081-5700 £424.67
 50 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-5810 £411.40	R1028-5810 £445.95
 200 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-0700 £147.00	R1081-0700 £163.50
 200 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-0810 £160.25	R1028-0810 £167.21
 1000 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-2700 £153.28	R1081-2700 £159.25
 1000 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-2810 £185.79	R1028-2810 £201.69
 10 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-3709 £386.75	R1081-3709 £424.67
 10 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-3819 £411.40	R1028-3819 £437.94
 50 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-5709 £398.13	R1081-5709 £418.03
 50 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-5819 £399.64	R1028-5819 £437.94
 200 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-0709 £139.34	R1081-0709 £153.28
 200 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-0810 £152.62	R1028-0819 £195.06
 1000 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-2709 £160.25	R1081-2709 £160.25
 1000 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-2819 £209.02	R1028-2819 £225.71

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 £53.08 E1078-2400-C (5)	n/a
 50 µl Tip	Green SBS Rack MDT-96 P50	E1078-5400 £49.08 E1078-5400-C (5)	n/a
 180 µl Filter Tip	Green SBS Rack MDT-96 P235	n/a	E1078-6418 £99.53 E1078-6418-C (5)

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 £152.62 E1172-1418-C (5)
 200 µl Conductive Filter Tip	Clear Hanging Rack Single-Channel Pipette	n/a	E1173-2418 £148.61 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 £398.13	R1081-3700 £431.30
 10 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-3810 £431.97	R1028-3810 £452.59
 50 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-5700 £398.13	R1081-5700 £424.67
 50 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-5810 £411.40	R1028-5810 £445.95
 200 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-0700 £147.00	R1081-0700 £163.50
 200 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-0810 £160.25	R1028-0810 £167.21
 1000 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-2700 £153.28	R1081-2700 £159.25
 1000 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-2810 £185.79	R1028-2810 £201.69
 10 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-3709 £386.75	R1081-3709 £424.67
 10 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-3819 £411.40	R1028-3819 £437.94
 50 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-5709 £398.13	R1081-5709 £418.03
 50 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-5819 £399.64	R1028-5819 £437.94
 200 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-0709 £139.34	R1081-0709 £153.28
 200 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-0810 £152.62	R1028-0819 £195.06
 1000 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1181-2709 £160.25	R1081-2709 £160.25
 1000 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	R1128-2819 £209.02	R1028-2819 £225.71

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, AP384			✓	✓			
Beckman® Biomek® FX: AP96, MP20, MP200, AP384			✓	✓			
Beckman® Biomek® FX: SPAN-8			✓	✓			
Beckman® Biomek® NX: AP96, MP20, MP200, AP384			✓	✓			
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, P235						✓	
Perkin Elmer® Janus®: MDT-96 P50, P235						✓	
Perkin Elmer® MiniTrak™: MDT-96 P50, P235						✓	
Perkin Elmer® PlateTrak™: MDT-96 P50, P235						✓	
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.



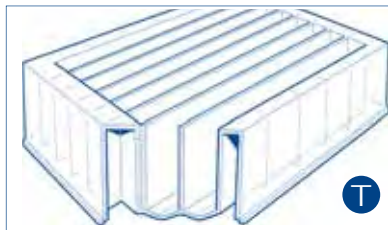
Robotic Reservoirs



High quality for high throughput!

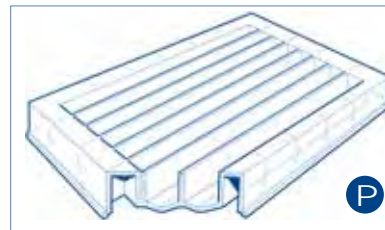
STARLAB reservoirs conform to the standard SBS footprint for compatibility with most robotic systems. They have virtually no dead volume and are available in two heights and two well styles. The sturdy polypropylene construction ensures rigidity during automation and excellent chemical resistance.

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
£193.81 / Pack 25



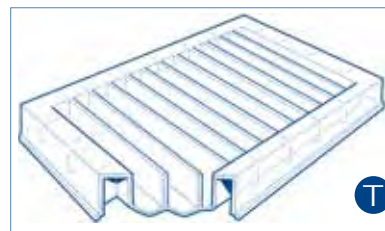
Multi-Well 8-Channel High Profile

32 ml Reservoir, Multi-Well with 8 x 4.0 ml troughs
E2999-3208
£193.81 / Pack 25



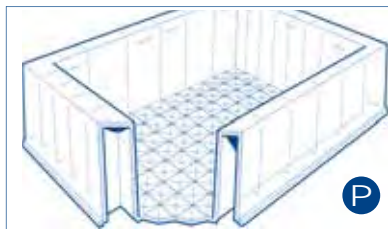
Multi-Well 12-Channel High Profile

84 ml Reservoir, Multi-Well with 12 x 7.0 ml Troughs
E2999-8412
£193.81 / Pack 25



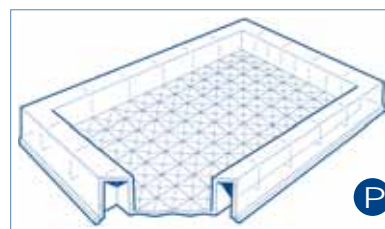
Multi-Well 12-Channel Low Profile

21 ml Reservoir, Multi-Well with 12 x 1.75 ml Troughs
E2999-2112
£193.81 / Pack 25



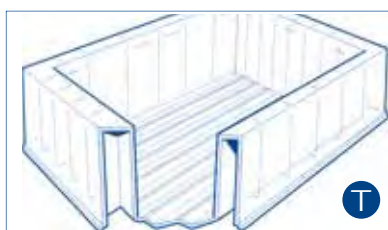
Single-Well 96 Pyramid Bottoms High Profile

240 ml Reservoir, Single-Well with 96 pyramid wells
E2999-2496
£193.81 / Pack 25



Single-Well 96 Pyramid Bottoms Low Profile

86 ml Reservoir, Single Well with 96 Pyramid Wells
E2999-8696
£188.27 / Pack 25



Single-Well 8-Trough Bottoms High Profile

290 ml Reservoir, Single-Well with 8 troughs
E2999-2908
£193.81 / Pack 25



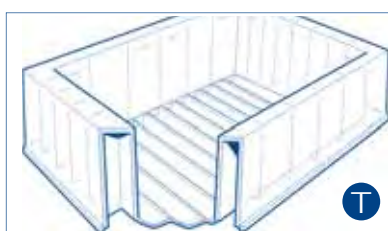
T TROUGH

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



P PYRAMID

Pyramid-shaped collection pools to help minimise dead volume



Single-Well 12-Trough Bottoms High Profile

290 ml Reservoir, Single-Well with 12 troughs
E2999-2912
£193.81 / Pack 25



Ergonomic!

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



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RepeatOne® Dispenser	56
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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

Easily removable lower part for fast cleaning

Wear-resistant polymer tip holders

Tip ejector

with integrated cascade to lower the tip ejection force



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

Fully autoclavable

Can also be UV sterilised

4-digit volume display for greater accuracy

Three-year warranty

Easily removable tip ejector for fast cleaning

CE*

ErgoOne®

Universal tip fit!

Reduced diameter tip ejector

For easy access into small tubes

Integral, rust-free tip ejector

*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								
Cat. No.	Volume Range (Colour Coding)	Increments	Volume μ l	Systematic Error (Inaccuracy) $\pm\%$		Random Error (Imprecision) $\pm\%$		Price Each
				8655-2	ErgoOne	8655-2	ErgoOne	
Single-Channel								
S7100-0125	0.1 – 2.5 μ l (Red)	0.002 μ l	0.1	125	24	75	12	£210.00
			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	
S7100-0510	0.5 – 10 μ l (Red)	0.01 μ l	1.0	12	2.5	8.0	1.8	£210.00
			5	2.4	1.5	1.6	0.8	
			10	1.2	1.0	0.8	0.4	
S7100-0221 (micro cone)	2 – 20 μ l (Red)	0.02 μ l	2	10	5.0	5.0	1.5	£210.00
			10	2.0	1.2	1.0	0.6	
			20	1.0	1.0	0.5	0.3	
S7100-0220 (standard cone)	2 – 20 μ l (Yellow)	0.02 μ l	2	10	5.0	5.0	1.5	£210.00
			10	2.0	1.2	1.0	0.6	
			20	1.0	1.0	0.5	0.3	
S7100-1100	10 – 100 μ l (Yellow)	0.1 μ l	10	8.0	3.0	3.0	1.0	£195.00
			50	1.6	1.0	0.6	0.3	
			100	0.8	0.8	0.3	0.2	
S7100-2200	20 – 200 μ l (Yellow)	0.2 μ l	20	8.0	2.5	3.0	0.7	£195.00
			100	1.6	1.0	0.6	0.3	
			200	0.8	0.6	0.3	0.2	
S7110-1000	100 – 1000 μ l (Blue)	1 μ l	100	8.0	3.0	3.0	0.6	£195.00
			500	1.6	1.0	0.6	0.2	
			1000	0.8	0.6	0.3	0.2	
S7150-5000	500 – 5000 μ l (Violet)	5 μ l	500	8.0	2.4	3.0	0.6	£214.00
			2500	1.6	1.2	0.6	0.25	
			5000	0.8	0.6	0.3	0.15	

ErgoOne® Features

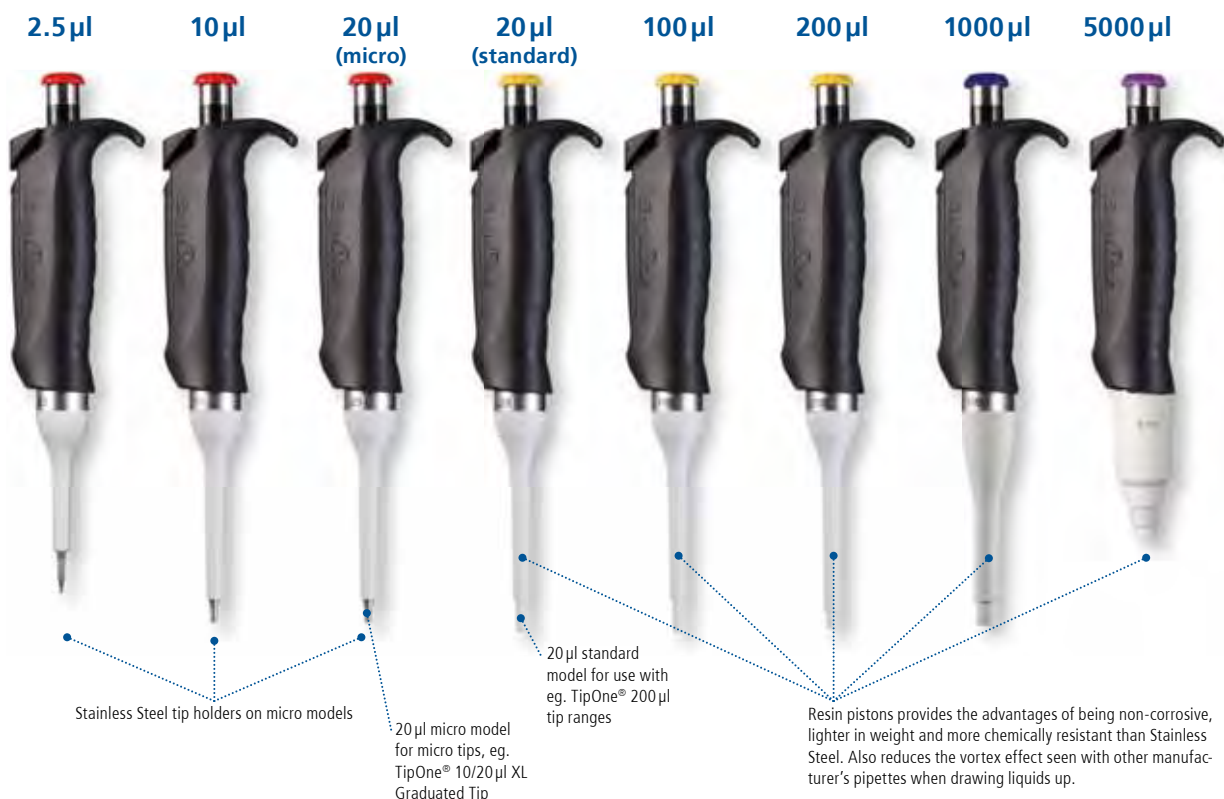
- ▶ Minimal operating forces
- ▶ Lightweight ergonomic design
- ▶ Universal tip fit
- ▶ Colour coded
- ▶ Volume lock
- ▶ Fully autoclavable
- ▶ UV-resistant
- ▶ Low maintenance
- ▶ Made in Germany
- ▶ 3-year warranty

DEMO MODELS
TRY
before you
BUY
available on request

ErgoOne®

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® Multi-Channels



ErgoOne® Multi-Channel Pipettes								
Cat. No.	Volume Range (Colour Coding)	Increments	Volume μ l	Systematic Error (Inaccuracy) $\pm\%$		Random Error (Imprecision) $\pm\%$		Price Each
				8655-2	ErgoOne	8655-2	ErgoOne	
8-Channel Pipettes								
S7108-0510	0.5 –10 μ l (Red)	0.01 μ l	1.0	24	8.0	16	5.0	£555.00
			5.0	4.8	4.0	3.2	2.0	
			10	2.4	2.0	1.6	1.0	
S7108-1100	10 –100 μ l (Yellow)	0.1 μ l	10	16	3.0	6.0	2.0	£555.00
			50	3.2	1.0	1.2	0.8	
			100	1.6	0.8	0.6	0.3	
S7108-3300	30 –300 μ l (Green)	0.2 μ l	30	26.7	3.0	10	1.0	£555.00
			150	5.3	1.0	2.0	0.5	
			300	2.7	0.6	1.0	0.3	
12-Channel Pipettes								
S7112-0510	0.5 –10 μ l (Red)	0.01 μ l	1.0	24	8.0	16	5.0	£656.00
			5.0	4.8	4.0	3.2	2.0	
			10	2.4	2.0	1.6	1.0	
S7112-1100	10 –100 μ l (Yellow)	0.1 μ l	10	16	3.0	6.0	2.0	£656.00
			50	3.2	1.0	1.2	0.8	
			100	1.6	0.8	0.6	0.3	
S7112-3300	30 –300 μ l (Green)	0.2 μ l	30	26.7	3.0	10	1.0	£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 54



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		
Cat. No	Description	Price
C8134-1001	3.10 As Found UKAS Calibration on Purchased Single-Channel	£32.00
C8234-1001	3.10 As Found UKAS Calibration on Purchased 8-Channel	£60.00
C8334-1001	3.10 As Found UKAS Calibration on Purchased 12-Channel	£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 μ l, which will be in accordance with ISO 8655 permissible errors.

*Excluding 16-, 48- or 64-channel pipettes.



4296

For details on our UKAS accredited pipette calibration service, see pages 57–68.

CAPP® Multi-Channel Pipettes

High throughput pipetting!

CAPP® pipettes are supplied with variable volume controls which are colour-coded for ease of selection. Fixed volume controls can also be purchased separately, allowing you to convert your pipette (within its specified volume range) to a fixed-volume pipette. The fixed-volume controls are available at a substantially lower cost than buying a standard fixed-volume pipette.

Features

- ▶ Colour-coded volume controls for ease of selection
- ▶ Volume lock to prevent drift
- ▶ Dual O-rings for precise tip fit – every time!
- ▶ Fully autoclavable (except volume control)
- ▶ Soft rubber-coated handle (except 48- and 64-channel pipettes)
- ▶ Compatible with STARLAB's TipOne® tips (see pages 22–27)
- ▶ 3-year warranty



64-channel CAPP® pipette

384-format tips for use with 16-, 48- or 64-channel pipettes are on page 29.



CAPP

CAPP® Multi-Channel Pipettes					
Cat. No.	Volume Range	Colour Coding	± AC*(%)	≤ CV**(%)	Price Each
8-Channel					
SL10-8AZ	0.5–10 µl	White	5.00 / 2.32 / 2.00	3.60 / 1.28 / 1.00	£599.09
SL50-8AZ	5–50 µl	Red	3.20 / 1.60 / 1.40	1.60 / 0.72 / 0.60	£523.25
SL200-8AZ	20–200 µl	Yellow	1.80 / 1.44 / 1.20	0.80 / 0.44 / 0.40	£523.25
SL300-8AZ	30–300 µl	Black	1.66 / 1.44 / 1.20 1.40 / 1.40 / 1.40	0.60 / 0.44 / 0.40 0.44 / 0.36 / 0.30	£523.25
12-Channel					
SL10-12AZ	0.5–10 µl	White	5.00 / 2.32 / 2.00	3.60 / 1.28 / 1.00	£659.75
SL50-12AZ	5–50 µl	Red	3.20 / 1.60 / 1.40	1.60 / 0.72 / 0.60	£583.92
SL200-12AZ	20–200 µl	Yellow	1.80 / 1.44 / 1.20	0.80 / 0.44 / 0.40	£583.92
SL300-12AZ	30–300 µl	Black	1.66 / 1.44 / 1.20 1.40 / 1.40 / 1.40	0.60 / 0.44 / 0.40 0.44 / 0.36 / 0.30	£583.92
16-Channel					
SL02-16AZ	0.2–2 µl	Violet	24.00 / 6.20 / 4.00	12.00 / 3.20 / 2.00	£826.59
SL10-16AZ	0.5–10 µl	White	5.00 / 2.32 / 2.00	3.60 / 1.28 / 1.00	£826.59
SL50-16AZ	5–50 µl	Red	3.20 / 1.60 / 1.40	1.60 / 0.72 / 0.60	£826.59
48-Channel					
C-10-48	0.5–10 µl	White	10.00 / 4.64 / 4.00	7.20 / 2.56 / 2.00	£1630.42
64-Channel					
C-10-64	0.5–10 µl	White	10.00 / 4.64 / 4.00	7.20 / 2.56 / 2.00	£1706.26

*Maximum Systematic Error (ISO 8655). **Maximum Random Error (ISO 8655). Measured at min, mid-point and max volumes. NOTES: min. volume measured on 0.5–10 µl model is 1.0 µl. Two readings are given for the 30–300 µl models to cover the two variable control knobs supplied: one 30–200 µl and one 150–300 µl.

Need your new pipette supplied with a UKAS Calibration Certificate?
See page 49 for details. (Service not available for 16-, 48- or 64-channel pipettes.)

Pipette Stands for CAPP Pipettes are on page 54



Fixed Volume Controls			
Cat. No.	Description	Colour	Price
SL02-FZ-2	2 µl Fixed-Volume Control	Violet	£21.18
SL10-FZ-10	10 µl Fixed-Volume Control	White	£21.18
SL50-FZ-50	50 µl Fixed-Volume Control	Red	£21.18
SL200-FZ-200	200 µl Fixed-Volume Control	Yellow	£21.18
SL300-FZ-300	300 µl Fixed-Volume Control	Black	£21.18

NOTE: Volume controls are not autoclavable and should be removed prior to autoclaving the pipette.

ErgoOne® E Electronic Pipettes



Pipette charging stand ordering details: page 54.

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 Electronic Pipettes					
Cat. No.	Volume Range	Increments	Systematic Error (Inaccuracy) ±%	Random Error (Imprecision) ±%	Price Each
Single-Channel Pipettes					
G9001-0010	0.5–10 µl (red)	0.01 µl	5.0/1.5/1.0	2.0/0.8/0.4	£421.79
G9001-0020	2–20 µl (red)	0.02 µl	5.0/1.5/1.0	2.5/0.8/0.4	£421.79
G9001-0200	20–200 µl (yellow)	0.2 µl	4.0/1.2/0.8	0.6/0.3/0.2	£421.79
G9001-1000	100–1000 µl (blue)	1.0 µl	3.0/1.0/0.6	0.6/0.3/0.2	£421.79
G9001-5000	0.5–5000 µl (violet)	5.0 µl	3.0/1.0/0.6	0.6/0.3/0.2	£448.82
8-Channel Pipettes					
G9008-0010	0.5–10 µl (red)	0.01 µl	8.0/2.0/1.2	4.0 to 0.8	£702.98
G9008-0020	1–20 µl (red)	0.02 µl	8.0/2.0/1.0	3.0 to 0.5	£702.98
G9008-0100	5–100 µl (yellow)	0.1 µl	4.0/1.6/0.8	1.5 to 0.25	£702.98
G9008-0300	15–300 µl (green)	0.5 µl	3.0/1.2/0.6	1.2 to 0.25	£702.98
12-Channel Pipettes					
G9012-0010	0.5–10 µl (red)	0.01 µl	8.0/2.0/1.2	4.0 to 0.8	£811.13
G9012-0020	1–20 µl (red)	0.02 µl	8.0/2.0/1.0	3.0 to 0.5	£811.13
G9012-0100	5–100 µl (yellow)	0.1 µl	4.0/1.6/0.8	1.5 to 0.25	£811.13
G9012-0300	15–300 µl (green)	0.5 µl	3.0/1.2/0.6	1.2 to 0.25	£811.13

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

► **Charging stand and pipette stands for ErgoOne® E are on page 54**

Features

- Lightweight, ergonomic design
- Significantly reduced tip loading and ejection forces
- Easy to use, intuitive menu structure
- 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

Accessories		
Cat. No.	Description	Price
G9999-1000	AC Adapter for Europe/UK (230V/50 Hz)	£34.61
G9999-1005	Replacement Battery	£23.79
G9999-1006	Silicone Oil for Piston (for Single-Channels, 10 µl to 1000 µl)	£7.57
G9999-1007	Silicone Oil for Piston (for 5000 µl Single-Channel and all Multi-Channels)	£12.28
G9999-1008	Fluorostatic Grease for Guiding Axis (for Multi-Channels)	£2.67

OTHER ELECTRONIC PIPETTES AVAILABLE

Cat. No. G9908-1200
100–1200µl StarPet E, 8-Channel Electronic Pipette
£617.10 each

Cat. No. G9912-1200
100–1200µl StarPet E, 12-Channel Electronic Pipette
£709.99 each

See website for specifications/info on StarPet E pipettes.

FIVE Operating Modes:

1. Pipetting
2. Reverse Pipetting
3. Mixing
4. Multi Dispense
5. Electrophoresis



*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® FAST Pipette Controller



P7166-6306

Specifications	
Battery	Lithium Polymer Battery
Charging time	~3 h
Battery Life	~2000 x 25 ml dispensing cycles from a fully-charged battery
Permissible Ambient Temp.	5 °C to 40 °C, 10 % - 90 % Humidity
Atmospheric Pressure	79.5 – 106 kPa
Weight	160 g (with battery)
Materials	Housing: Polypropylene 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!

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 & **P**recise, **S**afe, **T**ransfer

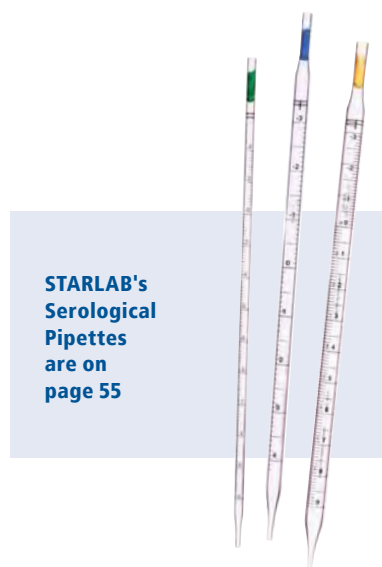
Features

- ▶ 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 (1–100 ml)
- ▶ Autoclavable aspiration cone, pipette adapter, filter and seal
- ▶ Supplied with a wall mount and replacement membrane filters
- ▶ 2-year warranty

ErgoOne[®] FAST

ErgoOne [®] FAST Pipette Controller			
Cat. No.	Description	Pack Size	Price
S7166-0010	ErgoOne [®] FAST Pipette Controller*	1	£275.00
Accessories			
P7166-6402	Replacement/Additional Wall Mount	1	£12.50
P7166-6701	Sticky Tape for Wall Mount	1	£6.80
P7166-6605	0.2 µm Membrane Filter, PTFE (Sterile)	5	£25.52
P7166-6800	0.45 µm Membrane Filter, PTFE (Sterile)	5	£25.52
P7166-6904	Replacement Seal for Filter Adapter	5	£32.18
P7166-6002	Replacement Pipette Adapter (Silicone)	1	£13.63
P7166-6103	Replacement Aspiration Cone	1	£9.69
P7166-6501	Replacement Lithium Polymer Battery, 3.7 V	1	£24.77
P7166-6109	Replacement Power Supply, 100-240 V / 50-60 Hz	1	£24.77
P7166-6306	ErgoOne [®] FAST Pipette Benchtop Support	1	£13.50

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



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

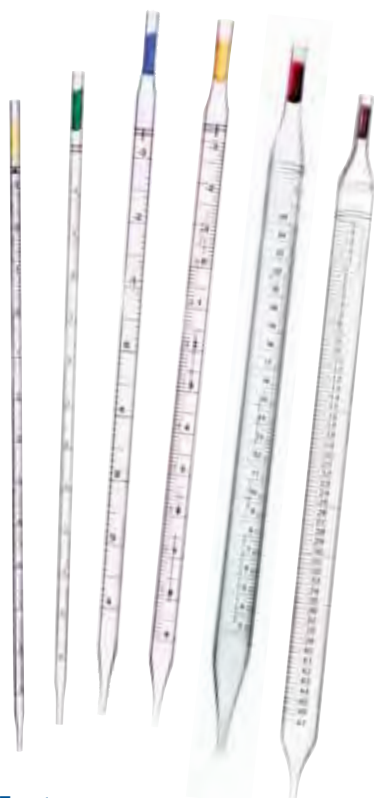
Starpet Filler			
Cat. No.	Description	Pack Size	Price
E4866-2000	StarPet Filler	1	£33.50
E4266-0040	Silicone Pipette Holder	1	£28.50



Pipette Stands

Pipette Stands			
<p>ErgoOne® Universal Carousel Stand for up to 8 pipettes (UV Resistant)</p> <p><i>For use with:</i> ErgoOne®, Biohit®, Finn®, Gilson®, Rainin® single or multi-channel pipettes</p> <p>► Cat. No: S7200-0000 Price: £96.60 each</p>		<p>Acrylic Universal Pipette Stand for up to 5 pipettes (UV Resistant)</p> <p><i>For use with:</i> ErgoOne®, Biohit®, Finn®, Eppendorf®, Gilson®, Rainin® single or multi-ch pipettes</p> <p>► Cat. No: E3099-0000 Price: £48.77 each</p>	
<p>ErgoOne® Self-Adhesive Shelf Holder for 1 pipette (UV Resistant)</p> <p><i>For use with:</i> ErgoOne® single or multi-channels</p> <p>► Cat. No: E3099-0001 Price: £5.72 each</p>		<p>ErgoOne® Bench Support for 1 pipette</p> <p><i>For use with:</i> ErgoOne® single-channels</p> <p>► Cat. No: E3099-0002 Price: £10.50 / Pack 5</p>	<p><i>New!</i></p> 
<p>Universal Carousel Stand for up to 6 pipettes (UV Resistant)</p> <p><i>For use with:</i> Eppendorf®, Gilson®, Rainin®, StarPet single-channel pipettes</p> <p>► Cat. No: G8965-8000 Price: £73.73 each</p>		<p>Charging Stand for ErgoOne® E - for up to 3 pipettes</p> <p><i>For use with:</i> ErgoOne® E single-channel pipettes</p> <p>► Cat. No: G9999-1001 Price: £204.40 each Incl. AC Adapter for 230/250V</p>	
<p>Individual Stand for ErgoOne® E single-channel pipettes</p> <p><i>For use with:</i> ErgoOne® E single-channel pipettes</p> <p>Stand for 10 µl to 1000 µl single-ch pipettes</p> <p>► Cat. No: G9999-1002 Price: £43.26 each</p> <p>Stand for 5000 µl single-ch pipette</p> <p>► Cat. No: G9999-1003 Price: £43.26 each</p>		<p>Individual Stand for ErgoOne® E multi-channels, 10 µl to 300 µl</p> <p><i>For use with:</i> ErgoOne® E multi-channel pipettes</p> <p>Stand for 10 µl–300 µl multi-ch pipettes</p> <p>► Cat. No: G9999-1004 Price: £28.12 each</p>	
<p>Carousel Stand for CAPP® - for up to 3 pipettes</p> <p><i>For use with:</i> CAPP® multi-channel pipettes</p> <p>► Cat. No: E8800-0600 Price: £72.83 each</p>		<p>Individual Stand for CAPP® multi-channel pipettes</p> <p><i>For use with:</i> CAPP® multi-channel pipettes</p> <p>► Cat. No: E8800-0500 Price: £43.93 each</p>	
<p>ErgoOne® FAST Bench Support for 1 pipette</p> <p><i>For use with:</i> ErgoOne® FAST pipette controller</p> <p>► Cat. No: P7166-6306 Price: £13.50 each</p>	<p><i>New!</i></p> 	<p>Pipettes / pipette controllers are not included. Images for illustrative purposes only.</p>	

Polystyrene Pipettes



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-cytotoxic, non-haemolytic and pyrogen free

Clearly a quality pipette!


Perfect for use with all popular pipette controllers, including STARLAB's own on pages 52–53, 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			
Cat. No.	Description	Pack Size	Price
Individually-Wrapped, Sterile			
E4860-0111	1.0 ml Serological Pipette, Yellow Filter, (Sterile), Ind. Wrapped	500	£72.99
E4860-0211	2.0 ml Serological Pipette, Green Filter (Sterile), Ind. Wrapped	500	£77.00
E4860-0511	5.0 ml Serological Pipette, Blue Filter (Sterile), Ind. Wrapped	250	£63.73
E4860-1011	10 ml Serological Pipette, Orange Filter (Sterile), Ind. Wrapped	200	£55.71
E4860-2511	25 ml Serological Pipette, Red Filter (Sterile), Ind. Wrapped	100	£77.00
E4860-5012-C	50 ml Serological Pipette, Violet Filter (Sterile), Ind. Wrapped	200	£260.16
Bulk, Non-Sterile			
E4860-0100	1.0ml Serological Pipette, Yellow Filter, Bulk	8 x 250	£180.53
E4860-0200	2.0ml Serological Pipette, Green Filter, Bulk	4 x 250	£99.53
E4860-0500	5.0ml Serological Pipette, Blue Filter, Bulk	2 x 200	£71.61
E4860-1000	10 ml Serological Pipette, Orange Filter, Bulk	2 x 125	£49.08
E4860-2500	25 ml Serological Pipette, Red Filter, Bulk	2 x 50	£53.08

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

2.0ml Aspiration Pipette				
	Cat. No.	Description	Pack Size	Price
	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.			
	E4860-1211	2.0ml Aspiration Pipette (Sterile), Ind. Wrapped	500	£64.98



RepeatOne® Dispenser

Rapid dispensing!

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

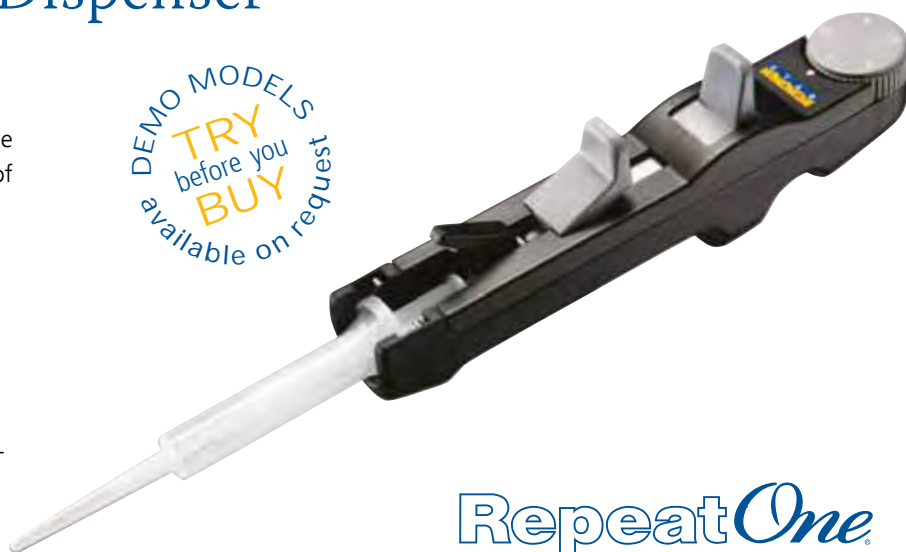
- ▶ STARLAB TipOne® Repeat Dispenser Tips, see page 34
- ▶ Brand®
- ▶ Gilson®
- ▶ HTL®
- ▶ Ritter®

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 34 for ordering details of STARLAB's TipOne® Repeat Dispenser Tips.

DEMO MODELS
TRY before you BUY
available on request



RepeatOne®

RepeatOne® Dispenser			
Cat. No.	Description	Pack Size	Price
S4026-1500	RepeatOne® Dispenser*	1	£220.00
S4756-2500	25 ml Adapter	1	£5.49
S4756-5000	50 ml Adapter	1	£5.49
S4765-2500	25 ml Adapter (Sterile)	7	£41.20
S4765-5000	50 ml Adapter (Sterile)	7	£41.20

* Incl. Adapter for 25 ml and 50 ml Dispenser Tips. 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 µl	6 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

Application Guide for TipOne® Repeat Tips

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	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

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.

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

Total Liquid Handling!

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



CALIBRATION & REPAIR

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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, 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.



4296



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 62–65 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:

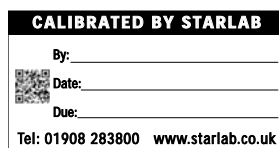
- ▶ Replacement parts and servicing is guaranteed for 6 months
- ▶ Customised invoicing to suit your institution's requirements (eg. by department, grant code or name)
- ▶ No hidden costs! We will always contact you beforehand if any major parts need replacing



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 as there is no delay waiting for the counter signature.

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					065821L	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	2 Star 3 Reading	
2					R67682L	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	2 Star 3 Reading	
3					U55779L	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	2 Star 3 Reading	
4					W53538A	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	UKAS 10 Reading	
5					T55489C	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	UKAS 10 Reading	
6					N14977C	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	UKAS 10 Reading	
7					Q53407L	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	2 Star 3 Reading	
8					DH1	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Returned	2 Star 3 Reading	
9					W73334L	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	2 Star 3 Reading	
10					Q57141A	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	2 Star 3 Reading	
11					N50004J	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	2 Star 3 Reading	
12		SLP1112-0201	11		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		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		N50004J	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman	P20 Tip Holder	Complete	2 Star 3 Reading	
15					M21318M	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	2 Star 3 Reading	
16					G22373E	PO 100001	John Smith		EXAMPLE1	Your Company Name Here	Dept. 1	Gilson	Pipetman		Complete	2 Star 3 Reading	
17					248460	PO 100002	Ann Jones		EXAMPLE1	Your Company Name Here	Dept. 2	Eppendorf	Research		Returned	2 Star 3 Reading	
18					2086031	PO 100002	Ann Jones		EXAMPLE1	Your Company Name Here	Dept. 2	Eppendorf	Research		Complete	2 Star 3 Reading	
19					4621211	PO 100002	Ann Jones		EXAMPLE1	Your Company Name Here	Dept. 2	Eppendorf	Research		Complete	2 Star 3 Reading	
20					T50319B	PO 100002	Ann Jones		EXAMPLE1	Your Company Name Here	Dept. 2	Gilson	Pipetman		Complete	2 Star 3 Reading	
21					R57850N	PO 100002	Ann Jones		EXAMPLE1	Your Company Name Here	Dept. 2	Gilson	Pipetman		Complete	2 Star 3 Reading	
22					M26390C	PO 100002	Ann Jones		EXAMPLE1	Your Company Name Here	Dept. 2	Gilson	Pipetman		Complete	2 Star 3 Reading	
23					N60177H	PO 100003	David Andrews		EXAMPLE1	Your Company Name Here	Dept. 3	Gilson	Pipetman		Complete	2 Star 3 Reading	
24		SLP1112-0101	23		N60177H	PO 100003	David Andrews		EXAMPLE1	Your Company Name Here	Dept. 3	Gilson	Pipetman	P10 Seal	Complete	2 Star 3 Reading	
25		SLP1122-0201	23		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		N60177H	PO 100003	David Andrews		EXAMPLE1	Your Company Name Here	Dept. 3	Gilson	Pipetman	P10 Tip Holder	Complete	2 Star 3 Reading	
27					R71179N	PO 100003	David Andrews		EXAMPLE1	Your Company Name Here	Dept. 3	Gilson	Pipetman		Complete	2 Star 3 Reading	
28					T60765G	PO 100003	David Andrews		EXAMPLE1	Your Company Name Here	Dept. 3	Gilson	Pipetman		Complete	2 Star 3 Reading	
29		SLP1112-1501	28		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 63–64 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



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 180–181) 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 necessary 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 66).

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 £14.00	On-Site: C1211-1000 Mail-In: C1221-1000 £28.00	On-Site: C1311-1000 Mail-In: C1321-1000 £30.00	On-Site: C1411-1000 Mail-In: C1421-1000 £32.00	On-Site: C3124-0100 Mail-In: C3124-M100 £14.00	On-Site: C3121-0100 Mail-In: C3121-M100 £23.00
2-STAR 3 Readings at Min & Max Points**	On-Site: C1112-1000 Mail-In: C1122-1000 £16.00	On-Site: C1212-1000 Mail-In: C1222-1000 £30.00	On-Site: C1312-1000 Mail-In: C1322-1000 £31.00	On-Site: C1413-1000 Mail-In: C1423-1000 £33.00	On-Site: C3125-0100 Mail-In: C3125-M100 £16.00	On-Site: C3122-0100 Mail-In: C3122-M100 £33.00
3-STAR 4 Readings at Min, Mid & Max Points**	On-Site: C1113-1000 Mail-In: C1123-1000 £18.00	On-Site: C1213-1000 Mail-In: C1223-1000 £31.00	On-Site: C1313-1000 Mail-In: C1323-1000 £32.00	On-Site: C1414-1000 Mail-In: C1424-1000 £35.00	On-Site: C3126-0100 Mail-In: C3126-M100 £18.00	On-Site: C3123-0100 Mail-In: C3123-M100 £40.00

*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 to 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 **2m 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, as 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



Our state of the art calibration laboratory is UKAS accredited. As a UKAS accredited laboratory 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.

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

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)
- ▶ Certificate of Calibration provided for each pipette, showing pass or fail
- ▶ Calibration Date Sticker to show the next calibration due date
- ▶ 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 Date Sticker to show the next calibration due date
- ▶ 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

For traceability; if you would like an As Found Calibration to show how your pipette has been performing prior to servicing and calibration, then this is the option for you. Pre & Post includes:

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

REQUIREMENTS FOR ON-SITE UKAS CLINICS

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 UKAS clinic will take place. It must:

- ▶ Have a stable temperature of **20–25 °C** with no large temperature fluctuations. This is a direct UKAS requirement
- ▶ Be draught-free. Draughts can cause balance instability (eg. if calibration is performed directly under an air conditioning unit or near a door.)
- ▶ Not to 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, as 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 PRICING STRUCTURE

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	BOTTLE-TOP 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	On-Site: C9537-0000 Mail-In: C9537-M000 £80.00
Service & Calibration 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	On-Site: C9534-0000 Mail-In: C9534-M000 £95.00
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	On-Site: C9535-0000 Mail-In: C9535-M000 £145.00

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	BOTTLE-TOP 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	On-Site: C9539-0000 Mail-In: C9539-M000 £55.00
Service & Calibration 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	On-Site: C9538-0000 Mail-In: C9538-M000 £70.00
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	On-Site: C9536-0000 Mail-In: C9536-M000 £105.00

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	BOTTLE-TOP 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	On-Site: C9839-0000 Mail-In: C9839-M000 £50.00
Service & Calibration 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	On-Site: C9838-0000 Mail-In: C9838-M000 £65.00
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	On-Site: C9836-0000 Mail-In: C9836-M000 £95.00

Fixed Volume*	
	SINGLE-CHANNEL Cat. Nos / Pricing
As Found 5 Readings at one volume	On-Site: C8739-0500 Mail-In: C8739-M500 £17.00
Serv & Calibration 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.

► Parts at extra cost for all service levels

New pipettes with UKAS Calibration

We can supply our brand new pipettes 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 are buying. We will perform a **3.10 As Found UKAS Calibration** and enclose the Calibration Certificate with your pipette.

C8134-1001	3.10 UKAS As Found, Single-Channel	£32.00
C8234-1001	3.10 UKAS As Found, 8-Channel	£60.00
C8334-1001	3.10 UKAS As Found, 12-Channel	£70.00

NOTE: By selecting one of the UKAS part numbers you are agreeing to a 3 Volume, 10 Reading Calibration to manufacturer's specification (with the exception of multi-channels with volumes less than 10 µl, which will be in accordance with ISO 8655 permissible errors).

*Excluding 16-, 48- and 64-channel pipettes.

See pages 45–56 for our range of manual and electronic pipettes

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 Continuing Professional Development (CPD)
- ▶ Develop a deeper understanding of pipetting and confidence that your daily work is providing accurate results

Training Sessions

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	▶ Pipette ergonomics and general PhysioCare concepts including RSI
▶ Pipetting techniques	▶ Understanding the importance of good pipetting techniques and the effects it can have on assays
▶ Forward and reverse pipetting	▶ Practical to support the key learning objectives
▶ Physical influences on dispensed volume	
Intermediate Level	
Ideal for lab technicians, scientific officers and laboratory managers. Min. 4 / Max. 10 people per session:	
▶ Review the fundamentals of dispensing	▶ Performance / calibration check of a pipette
▶ Cleaning and inspection of pipettes	▶ Understanding the equipment needed for accurate calibration checks
▶ Common pipette fault-finding issues	▶ Understanding the terms 'Accuracy', 'Precision' and 'Uncertainty' to be able to interpret the results of a calibration certificate
▶ Demonstration of the effects that bad pipetting techniques can have on assays and results	▶ 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	▶ ISO 17025 – UKAS
▶ Why calibrate?	▶ ISO 15189 – Medical Labs (UKAS / CPA)
▶ What calibration is, and what it is not	▶ Calibration traceability
▶ Performance / calibration check of pipettes	▶ Expressions of uncertainty
▶ Specifications: Manufacturer's v ISO 8655 v internal SOP's	▶ 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®										
Pipette Vol.	Sealing Rings (3/Pack)		Spacer Rings (each)		Tip Holders (each)		Tip Ejectors (each)		Filter (10/Pack)	
	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®		
Pipette Vol.	O-Rings 4/Pack)	
	Cat. No.	Price
10µl	n/a	
100µl	P2421-1001-C	£3.00
300µl	P2421-1001-C	£3.00



Single-Channel ErgoOne® E								
Pipette Vol.	Ejector Upper Part* (each)		Spacer Rings (each)		Spring with Seal (each)		Shaft with Ejector Spring (each)	
	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	
Pipette Vol.	Ejector Lower Part		Complete Shaft (each)		Pipette Shaft, Lower Part (each)		Filter (25/Pack)	
	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	£4.30

*Includes Upper and Lower part of Ejector.

Multi-Channel ErgoOne® E								
Pipette Vol.	Piston (each)		Nose Cone Pack** (each)		O-Rings (24/pack)		Seals only (3/pack)	
	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	£18.97	P7111-1001-C	£4.39
300µl	P2041-3001	£18.42	P2031-3101	£18.42	P7121-1301	£18.97	P7111-3001-C	£4.39

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



ErgoOne® E
See page 51



Pipette Spares for Gilson® Pipettes



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

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

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

Not just plastic!

Expertly designed, injection-moulded high quality consumables.



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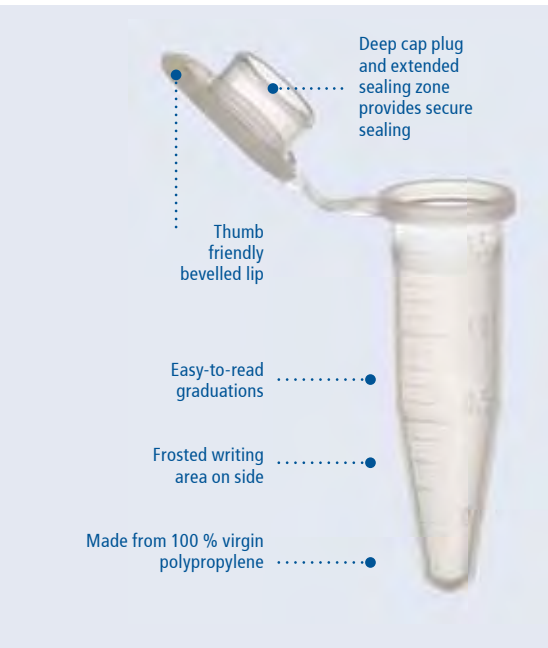
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Microcentrifuge Tubes



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.

TubOne® 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



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!

TubeOne® Microcentrifuge Tubes

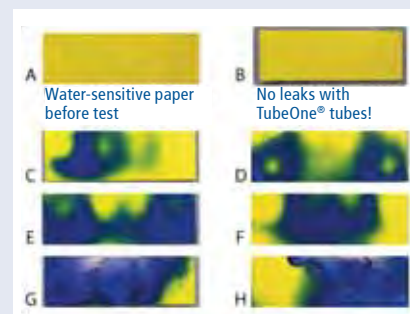
Cat. No.	Description	Colour	Pack Size	Price
S1605-0000	0.5 ml TubeOne® Microcentrifuge Tube	Natural	5 x 200	£25.28
S1605-0099	0.5 ml TubeOne® Microcentrifuge Tube	Mixed*	5 x 200	£27.92
S1615-5500	1.5 ml TubeOne® Microcentrifuge Tube	Natural	500	£12.64
S1615-5550	1.5 ml TubeOne® Microcentrifuge Tube	Natural	5 x 100	£13.95
S1615-5510	1.5 ml TubeOne® Microcentrifuge Tube (Sterile)	Natural	5 x 100	£20.27
S1615-5599	1.5 ml TubeOne® Microcentrifuge Tube	Mixed*	5 x 100	£13.95
S1620-2700	2.0 ml TubeOne® Microcentrifuge Tube	Natural	500	£25.05
S1620-2799	2.0 ml TubeOne® Microcentrifuge Tube	Mixed*	5 x 100	£27.15

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

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



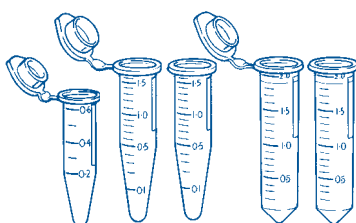
Polypropylene tubes for the ultimate in sample visibility. Ultra smooth tube bottoms for 100% visibility. Thin cap membrane for easy sample access with a syringe needle. Frosted writing surface. Rated at 14,000–20,000 x g. Temp. range: -80°C to 121°C. Autoclavable. Certified RNase, DNase and Pyrogen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

'Crystal Clear' Microcentrifuge Tubes

Cat. No.	Description	Colour	Pack Size	Price
E1405-0600	0.6ml Crystal Clear Microcentrifuge Tube	Natural	2 x 500	£25.28
E1405-0610	0.6ml Crystal Clear Microcentrifuge Tube (Sterile)	Natural	5 x 100	£16.45
E1415-1500	1.5ml Crystal Clear Microcentrifuge Tube	Natural	500	£12.64
E1415-1510	1.5ml Crystal Clear Microcentrifuge Tube (Sterile)	Natural	5 x 50	£10.14
E1420-2000	2.0ml Crystal Clear Microcentrifuge Tube	Natural	500	£13.95
E1420-2010	2.0ml Crystal Clear Microcentrifuge Tube (Sterile)	Natural	5 x 50	£11.33

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

Graduated tubes in natural, amber or capless



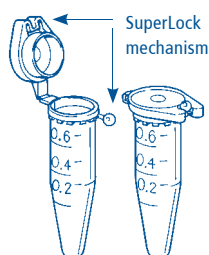
Polypropylene tubes with smaller lid footprint for better fit inside sample storage boxes. Amber tubes for light sensitive samples. Capless tubes for convenient collection of fractions or mix reagents. Rated to over 20,000 x g. Temp. range: -80°C to 121°C. Autoclavable. Certified RNase, DNase, DNA and PCR Inhibitor free.

Graduated Microcentrifuge Tubes

Cat. No.	Description	Colour*	Pack Size	Price
I1405-150#	0.5ml Homopolymer Microcentrifuge Tube	Natural or Amber	1000	£23.85
I1415-100#	1.5ml Homopolymer Microcentrifuge Tube	Natural or Amber	500	£13.12
E1415-2850	1.5ml Homopolymer Microcentrifuge Tube, no Cap	Natural	500	£11.33
I1420-270#	2.0ml Homopolymer Microcentrifuge Tube	Natural or Amber	500	£17.77
E1420-2850	2.0ml Homopolymer Microcentrifuge Tube, no Cap	Natural	500	£14.31

*To order colour required, replace # as last digit of Cat. No. with: 0 for Natural, 7 for Amber.

Super safe, SuperLock tubes



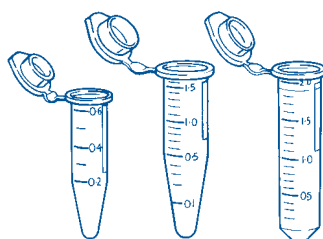
Polypropylene microcentrifuge tubes with a locking mechanism for high security. Frosted writing area on the side. Pierceable cap. Rated at 17,000 x g. Temp. range: -80°C to 121°C. Autoclavable. Certified RNase and DNase free.

Locking Microcentrifuge Tubes

Cat. No.	Description	Colour	Pack Size	Price
E1405-5100	0.5ml SuperLock Microcentrifuge Tube	Natural	1000	£27.29
I1415-5100	1.5ml SuperLock Microcentrifuge Tube	Natural	500	£15.14
E1420-5100	2.0ml SuperLock Microcentrifuge Tube	Natural	500	£18.96
E1420-5108	2.0ml SuperLock Microcentrifuge Tube	Mixed*	5 x 100	£18.96

*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

Cat. No.	Description	Colour	Pack Size	Price
E1405-2600	0.5ml Ultra High Recovery Microcentrifuge Tube	Natural	500	£13.95
E1415-2600	1.5ml Ultra High Recovery Microcentrifuge Tube	Natural	250	£11.21
I1420-2600	2.0ml Ultra High Recovery Microcentrifuge Tube	Natural	250	£14.31




Microcentrifuge Tubes & Accessories



New! Single-wrap, sterile microcentrifuge tubes

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

Microcentrifuge Tubes, Single-Wrap			
Cat. No.	Description	Pack Size	Price
I1405-0510	0.6ml Microcentrifuge Tube (Sterile), Single-Wrap	500	£40.00
I1415-5510	1.5ml Microcentrifuge Tube (Sterile), Single-Wrap	250	£22.00

Microcentrifuge Tube Accessories					
		For Use with	Cat. No.	Pack Size	Price
	Cap Locks: Reusable cap locks to securely seal tubes for rigorous boiling/freezing. Assorted colours to aid sample identification. Compatible with most microcentrifuge tubes.	0.5 ml Tubes	E1405-9000	100	£18.08
		1.5/2.0ml Tubes	I1415-1508	100	£16.90
	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	I1400-1008	100	£9.42
	Microtube Pestle: Disposable polypropylene pestles. Ideal for homogenising cells or resuspending DNA or protein pellets. Certified RNase, DNase and DNA free.	0.5 ml Tubes	I1405-4390	10	£7.89
		1.5/2.0ml Tubes	I1415-5390	10	£7.89

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

Preparation Tubes



Made from virgin polypropylene, the tubes are graduated at 1.0ml 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*

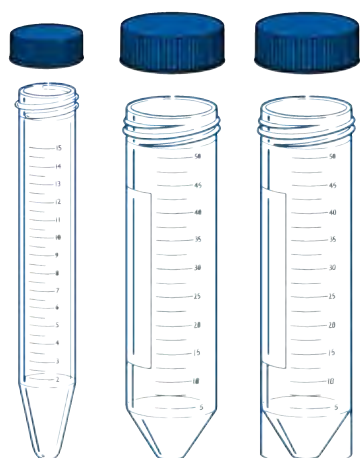
5.0ml Preparation Tubes				
Cat. No.	Description	Colour	Pack Size	Price
Conical Tubes				
E1450-1100	5.0ml Preparation Tube, Conical	Natural	200	£32.17
E1450-1101	5.0ml Preparation Tube, Conical	Blue	200	£33.36
E1450-1102	5.0ml Preparation Tube, Conical	Green	200	£33.36
E1450-1104	5.0ml Preparation Tube, Conical	Red	200	£33.36
E1450-1106	5.0ml Preparation Tube, Conical	Yellow	200	£33.36
E1450-1108	5.0ml Preparation Tube, Conical	Black	200	£33.36
Skirted Tube				
E1450-1000	5.0ml Preparation Tube, Skirted	Natural	250	£38.04

Dimensions (HxØ): 60 x 18 mm (tube) / 30 mm (cap at widest point).

*E1450-1000 skirted tube is not certified.

FREE SAMPLE
TRY
before you
BUY
available on request

Centrifuge Tubes



FREE SAMPLE
TRY
before you
BUY
available on request

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

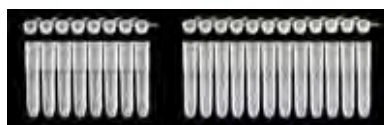
- ▶ Clear, polypropylene tubes with blue HDPE screw caps
- ▶ Clear, printed graduations
- ▶ White writing surface
- ▶ Sterile
- ▶ Centrifugation rates (swing bucket / fixed angle rotors):
4000 / 15,000 x g (15 ml)
3200 / 9500 x g (50 ml)
2800 / 11,500 x g (50 ml skirted)

Certified RNase, DNase, DNA and pyrogen free

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



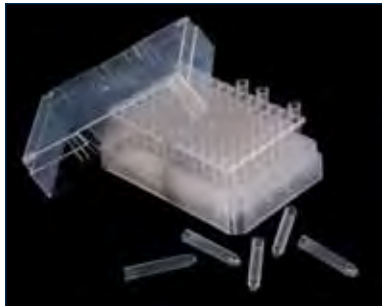
Organised storage

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

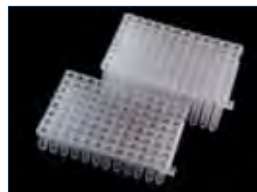
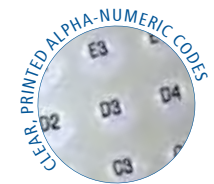


Alpha-numeric coded tubes in rack

- ▶ 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			
Cat. No.	Description	Pack Size	Price
0.65 ml Tubes			
E1780-3100	Tube Rack with Lid, Pre-Filled with 96 x 0.65 ml Alpha-Numeric Coded Tubes	10 Racks	£92.90
E1780-3700	Tube Rack Refill Frame, Loaded with 96 x 0.65 ml Alpha-Numeric Coded Tubes	10 Refills	£55.71
1.2 ml Tubes			
E1780-2100	Tube Rack with Lid, Pre-Filled with 96 x 1.2 ml Alpha-Numeric Coded Tubes	10 Racks	£92.90
E1780-2700	Tube Rack Refill Frame, Loaded with 96 x 1.2 ml Alpha-Numeric Coded Tubes	10 Refills	£55.71
Sealing Options			
E1780-8400	8-Strip Caps for 0.65 ml or 1.2 ml Tubes	1000/Bag	£185.79
E1780-8500	Piercable Cap Mat for 0.65 ml or 1.2 ml Tubes	10 Mats	£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 50mm.
 1.2 ml Rack dimensions, incl. lid: 127 x 85 x 50mm.



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

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 100µl increments
- ▶ 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	E3090-6212 £107.31 Pack Size: 10 x 50 Height: 41 mm	E3090-6321 £107.31 Pack Size: 10 x 50 Height: 43 mm	E3090-6222 £107.31 Pack Size: 10 x 50 Height: 48 mm	n/a	n/a	E3090-6242 £77.50 Pack Size: 6 x 50 Height: 91 mm
	Internal Threaded Tube Silicone Seal in Cap	E3110-6112 £125.20 Pack Size: 10 x 50 Height: 42 mm	E3110-6121 £131.16 Pack Size: 10 x 50 Height: 46 mm	E3110-6122 £125.20 Pack Size: 10 x 50 Height: 49 mm	E3110-6131 £107.31 Pack Size: 8 x 50 Height: 70 mm	E3110-6132 £107.31 Pack Size: 8 x 50 Height: 71 mm	E3110-6141 £107.31 Pack Size: 6 x 50 Height: 90 mm

Supplied in convenient, resealable, self-standing pouches



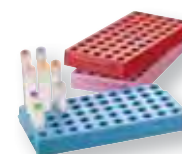
The caps of the cryogenic vials can be colour coded with coloured cap inserts.

Coloured Cap Inserts	
	
E1494-6####* £15.15 Pack Size: 500	<p>*To order the colour required, replace ### as last three digits of Cat. No. with:</p> 

Cryogenic Accessories			
Cat. No.	Description	Pack Size	Price
Storage Canes			
E2005-5000	Storage Canes for 5 x 1.2/2.0 ml Cryogenic Vials	12	£11.33
Cryogenic Labels for use down to -196 °C			
E9189-0099	9.5 mm Cryogenic Spot Labels, Mixed	5000 Labels/Roll	£42.63
E9189-3009	StarTag Cryo (38 x 15 mm), White	1000 Labels/Roll	£27.85

See page 104 for information on the cryogenic labels.

See pages 129–130 for cryogenic storage boxes and work racks










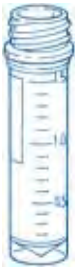





Screw Cap Microtubes











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/CLOUR 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

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 £39.71 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 with 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:



Assembled sterile tubes & caps

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



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

Tubes & Containers



Polypropylene or polystyrene tubes graduated at 1.0ml, 2.5ml and 4.0ml. 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			
Cat. No.	Description	Pack Size	Price
E1412-6201	12 x 75 Polypropylene (PP) Graduated Tube	2 x 1000	£37.18
E1412-6200	12 x 75 Polystyrene (PS) Graduated Tube	2 x 1000	£39.03
E1412-6300	Cap for 12 x 75 Graduated Tubes, PE, Natural	2000	£34.68

Dimensions: Tube (HxØ): 75 x 12mm. Cap: 15 x 15mm. *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			
Cat. No.	Description	Pack Size	Price
E1412-7000	4.0 ml Scintillation Vial Insert Tube with Screw Cap	1000	£77.50

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)			
Cat. No.	Description	Pack Size	Price
E1412-0710	7.0 ml Polystyrene Bijou Container, without Label (Sterile)	700	£107.54
E1412-0711	7.0 ml Polystyrene Bijou Container, with Label (Sterile)	700	£111.55

Dimensions (HxØ) incl. cap: 50 x 23mm.



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			
Cat. No.	Description	Pack Size	Price
E1412-1200	12 ml Polystyrene Screw Cap Tube, Skirted (Sterile ¹)	250	£46.45

Dimensions (HxØ) incl. cap: 105 x 21 mm. ¹Aseptically produced in a fully-automated and bio-controlled environment.



Polypropylene (PP) or polystyrene (PS) sterile tube. White writing area. Graduations marked at 0.25ml 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).

12 ml Culture Tubes (Sterile)			
Cat. No.	Description	Pack Size	Price
I1485-0810	12 ml Polypropylene Culture Tube with Cap (Sterile)	20 x 25-Tube Bags	£112.18
I1485-2810	12 ml Polystyrene Culture Tube with Cap (Sterile)	20 x 25-Tube Bags	£112.18

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

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

20 ml Scintillation Vial			
Cat. No.	Description	Pack Size	Price
E1412-7100	20 ml Plastic Scintillation Vial	1000	£160.97

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			
Cat. No.	Description	Pack Size	Price
E1412-3020	30 ml Polypropylene Universal Container, No Label (Sterile ¹)	400	£42.44
E1412-3021	30 ml Polypropylene Universal Container, Plain Label (Sterile ¹)	400	£45.20
E1412-3022	30 ml Polypropylene Universal Container, Printed Label (Sterile ¹)	400	£45.20
E1412-3010	30 ml Polystyrene Universal Container, No Label (Sterile ¹)	400	£57.09
E1412-3011	30 ml Polystyrene Universal Container, Plain Label (Sterile ¹)	400	£59.72
E1412-3012	30 ml Polystyrene Universal Container, Printed Label (Sterile ¹)	400	£61.10

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



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

60ml Polystyrene Screw Cap Container			
Cat. No.	Description	Pack Size	Price
E1412-6004	60 ml Polystyrene Container, Red Screw Cap (Sterile ¹)	600	£99.53

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

125ml Polypropylene Screw Cap Container			
Cat. No.	Description	Pack Size	Price
E1412-6104	125 ml Polypropylene Graduated Container, Red Cap (Sterile ¹)	475	£72.99

Dimensions (HxØ) incl. cap: 75 x 62 mm. ¹Aseptically 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			
Cat. No.	Description	Pack Size	Price
E1412-6000	60 ml Polystyrene Container, Metal Cap, Printed Label (Sterile)	300	£78.25
E1412-1000	100 ml Polystyrene Container, Metal Cap (Sterile ¹)	160	£68.92
E1412-1500	150 ml Polystyrene Container, Metal Cap (Sterile ¹)	120	£75.62
E1412-2500	250 ml Polystyrene Container, Metal Cap (Sterile ¹)	48	£47.40

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.

¹Aseptically produced in a fully-automated and bio-controlled environment.

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PCR Tubes

Single tubes

- ▶ 0.2ml and 0.5ml tubes for PCR made from medical grade polypropylene
- ▶ Available in natural, or in mixed packs of blue, green, red, violet and yellow
- ▶ 0.2ml 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				
Cat. No.	Description	Colour	Pack Size	Price
Domed Caps				
11402-4300	0.2 ml PCR Tube, Domed Cap	Natural	1000	£40.42
11402-4308	0.2 ml PCR Tube, Domed Cap	Mixed*	5 x 200	£40.42
Flat Caps				
11402-8100	0.2 ml PCR Tube, Flat Cap	Natural	1000	£40.42
11402-8108	0.2 ml PCR Tube, Flat Cap	Mixed*	5 x 200	£40.42
11402-8200	0.2 ml PCR Tube, Flat Cap (X-Clear) for qPCR	Natural	1000	£40.42

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

0.2 ml PCR Tubes, Shielded Caps				
Cat. No.	Description	Colour	Pack Size	Price
S1602-4300	0.2 ml PCR Tube, Domed Shielded Cap	Natural	1000	£47.83

S1602-4300
The integral shield on the cap prevents accidental finger contamination with the surface of the lid



0.5 ml PCR Tubes				
Cat. No.	Description	Colour	Pack Size	Price
Domed Caps				
11405-8200	0.5 ml PCR Tube, Domed Cap	Natural	1000	£29.09
Flat Caps				
11405-8100	0.5 ml PCR Tube, Flat Cap	Natural	1000	£29.09
11405-8108	0.5 ml PCR Tube, Flat Cap	Mixed*	5 x 200	£31.60

*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
- ▶ Tubes can easily be split into smaller sections by snapping the strips apart
- ▶ 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):

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.


8-Strip Tubes & Caps

Cat. No	Description	Colour	Pack Size	Price
Strip Tubes only				
I1402-3600	0.1 ml 8-Strip PCR Tubes, Low-Profile	Natural	125	£75.83
I1402-3609	0.1 ml 8-Strip PCR Tubes, Low-Profile	White	125	£75.83
I1402-3500	0.2 ml 8-Strip PCR Tubes	Natural	125	£75.83
I1402-3508	0.2 ml 8-Strip PCR Tubes	Mixed*	5 x 25	£75.83
I1402-3509	0.2 ml 8-Strip PCR Tubes	White	125	£75.83
Strip Caps only				
I1400-0800	8-Strip PCR Caps, Domed	Natural	125	£13.95
I1400-0808	8-Strip PCR Caps, Domed	Mixed*	5 x 25	£13.95
I1400-0900	8-Strip PCR Caps, Flat (Xtra-Clear)	Natural	125	£13.95
Strip Tube & Cap Combo Packs				
I1402-4700	0.1 ml 8-Strip PCR Tubes, Low-Profile, and 8-Strip PCR Caps, Flat (X-Clear)	Natural	125	£90.85
I1409-4700	0.1 ml 8-Strip White PCR Tubes, Low-Profile, and 8-Strip PCR Caps, Flat (X-Clear)	White / Natural	125	£90.85
I1402-6700	0.2 ml 8-Strip PCR Tubes and 8-Strip PCR Caps, Domed	Natural	125	£90.85
I1402-5700	0.2 ml 8-Strip PCR Tubes and 8-Strip PCR Caps, Flat (X-Clear)	Natural	125	£90.85
I1409-5700	0.2 ml 8-Strip White PCR Tubes, and 8-Strip PCR Caps, Flat (X-Clear)	White / Natural	125	£90.85


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

NOTE: Tube and cap strips of the Combo Packs supplied in separate bags - not pre-assembled.

12-Strip Tubes & Caps

Cat. No	Description	Colour	Pack Size	Price
Strip Tubes only				
I1402-1200 	0.2 ml 12-Strip PCR Tubes	Natural	80	£75.83
I1402-1208	0.2 ml 12-Strip PCR Tubes	Mixed*	5 x 16	£75.83
Strip Caps only				
I1400-1200	12-Strip PCR Caps, Domed	Natural	80	£18.96
I1400-1208	12-Strip PCR Caps, Domed	Mixed*	5 x 16	£18.96
I1400-1290	12-Strip PCR Caps, Flat (Xtra-Clear)	Natural	80	£18.96

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

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



PCR Strips

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


Cat. No	Description	Colour	Pack Size	Price
Domed Caps				
I1402-2900 	0.2 ml 8-Strip PCR Tubes, Ind-Attached Domed Caps	Natural	120	£107.43
I1402-2908	0.2 ml 8-Strip PCR Tubes, Ind-Attached Domed Caps	Mixed*	5 x 24	£107.43
Flat Caps (X-Clear)				
A1402-3800	0.1 ml 8-Strip PCR Tubes, Ind-Attached Flat Caps (X-Clear), Low-Profile	Natural	120	£107.43
A1402-3700 	0.2 ml 8-Strip PCR Tubes, Ind-Attached Flat Caps (Xtra-Clear)	Natural	120	£107.43

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

8-Strip PCR Tubes with Individual Shielded Caps

Cat. No	Description	Colour	Pack Size	Price
S1602-2900	0.2 ml 8-Strip PCR Tube, Individually Attached Domed Shielded Caps	Natural	120	£107.43

8-Strip PCR Tubes with Attached Strip Caps

Cat. No	Description	Colour	Pack Size	Price
Domed Caps				
I1402-2800	0.2 ml 8-Strip PCR Tubes, Attached Domed Cap Strip	Natural	125	£107.43
Flat Caps (X-Clear)				
I1402-2700 	0.2 ml 8-Strip PCR Tubes, Attached Flat Cap Strip (X-Clear)	Natural	125	£107.43
I1409-2700	0.2 ml 8-Strip White PCR Tubes, Attached Flat Cap Strip (X-Clear)	White / Natural	125	£107.43

White Tubes with X-Clear Caps!

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



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



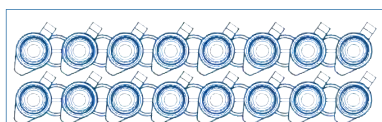
Non-Flex Strips – stronger strips for easier handling!

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 interfering 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.



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- ▶ 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

Cat. No	Description	Colour	Pack Size	Price
Standard Height				
11402-3700	0.2 ml 8-Strip Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	Natural / Natural	120	£107.43
11402-3708	0.2 ml 8-Strip Mixed Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	Mixed* / Natural	120	£107.43 <i>New!</i>
11409-3700	0.2 ml 8-Strip White Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	White / Natural	120	£107.43
Low-Profile				
11402-3800	0.1 ml 8-Strip Low-Profile Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	Natural / Natural	120	£107.43
11409-3800	0.1 ml 8-Strip Low-Profile White Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	White / Natural	120	£107.43

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

Rotor-Gene® Style PCR Strips

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

Rotor-Gene® Style Strip Tubes and Caps

Cat. No	Description	Colour	Pack Size	Price
11402-0400	0.1 ml 4-Strip Rotor-Gene® Style Tubes and Caps	Natural	250	£75.83

www.starlab.click/pcrstrips



Non-Skirted PCR Plates

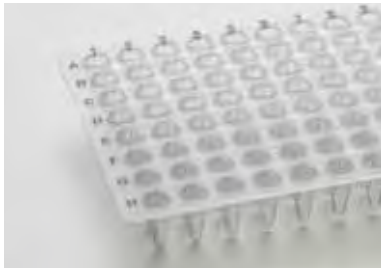
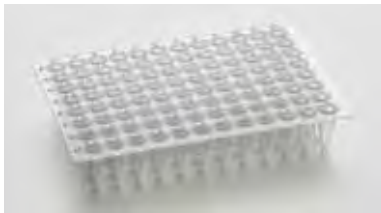


Plate capacities:

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-fluorescence 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				
Cat. No.	Description (Cut Corner)	Colour	Pack Size	Price
Low-Profile				
E1403-0200 C	96-Well PCR Plate, Non-Skirted, Low-Profile (H12)	Natural	20	£64.51
E1403-0208	96-Well PCR Plate, Non-Skirted, Low-Profile (H12)	Black	20	£64.51
E1403-0209 C	96-Well PCR Plate, Non-Skirted, Low-Profile (H12)	White	20	£64.51
Standard Height				
E1403-1200 C	96-Well PCR Plate, Non-Skirted (A12)	Natural	10	£32.91
E1403-1208	96-Well PCR Plate, Non-Skirted (A12)	Black	10	£32.91
E1403-1209 C	96-Well PCR Plate, Non-Skirted (A12)	White	10	£32.91
Standard Height, Cuttable				
E1403-0100 C	96-Well PCR Plate, Non-Skirted (Cuttable) (A12)	Natural	10	£32.91
Sealing Mat				
E1403-0000	Silicone Sealing Mat for 96-Well PCR Plates (Autoclavable)*	Natural	5	£30.41

NOTE: Sealing mat E1403-0000 is not suitable for qPCR. Above plates can also be sealed with PCR strip caps (page 81), or the plate seals suitable for PCR (pages 97–98). For an overview of PCR plate sealing options, see page 90.

Non-Skirted PCR Plate (Flat Surface)				
Cat. No.	Description (Cut Corner)	Colour	Pack Size	Price
B1402-0595	96-Well PCR Plate, Non-Skirted (Flat Surface) (H12)	Natural	10	£32.91

This plate has a moulded matrix. Above plate can be sealed with the plate seals suitable for PCR (pages 97–98). For an overview of PCR plate sealing options, see page 90.

Silicone sealing mat (autoclavable)

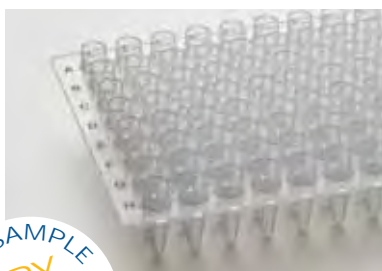
Reusable, ultra-flexible and piercable silicone sealing mat for 96-well PCR Plates. Designed to be especially suitable for thermal cyclers with pressure-fit lids. Can be cut to size for use with 24, 32 or 48-well plates. The non-reactive rubber will withstand repeated autoclaving, extreme temperatures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

Silicone Sealing Mat				
Cat. No.	Description	Colour	Pack Size	Price
E1403-0000	Silicone Sealing Mat for 96-Well PCR Plates (Autoclavable)	Natural	5	£30.41

NOTE: This mat is not suitable for qPCR.



www.starlab.click/pcrplates



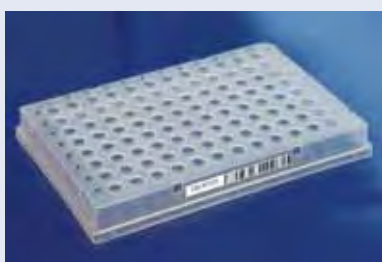
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► Reduce contamination with elevated wells

Non-Skirted PCR Plates with Elevated Wells				
Cat. No.	Description (Cut Corner)	Colour	Pack Size	Price
E1403-2200	96-Well PCR Plate, Non-Skirted, Elevated Wells (H12)	Natural	10	£32.91
E1403-3200	48-Well PCR Plate, Non-Skirted, Elevated Wells	Natural	20	£40.42
E1403-4200	24-Well PCR Plate, Non-Skirted, Elevated Wells	Natural	40	£46.74
Sealing Mat				
E1403-0000	Silicone Sealing Mat (Autoclavable)*	Natural	5	£30.41

*NOTE: Sealing mat E1403-0000 is not suitable for qPCR. Above plates can also be sealed with PCR strip caps (page 81). For an overview of all PCR Plate Sealing Options, see page 90.

Barcoded PCR Plates



Barcoded plates have highly-visible printed matrix.



Images for illustrative purposes only.

- 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

96-Well Semi-Skirted PCR Plates, Barcoded				
Cat. No.	Description (Cut Corner)	Colour	Pack Size	Price
I1402-9800-BC	96-Well PCR Plate, Semi-Skirted, Straight Edges, with Barcode (A12)	Natural	10x10	£375.59
I1402-9909-BC	96-Well PCR Plate, Semi-Skirted, for Roche® Lightcycler, with Barcode (H12)	White	10x10	£375.59
E1403-8200-BC	96-Well PCR Plate, Semi-Skirted, Raised Rim, with Barcode (A12)	Natural	10x10	£375.59

96-Well Skirted PCR Plate, Barcoded				
Cat. No.	Description (Cut Corner)	Colour	Pack Size	Price
E1403-5200-BC	96-Well PCR Plate, Skirted, Low-Profile, with Barcode (A12)	Natural	10x10	£375.59

384-Well Skirted PCR Plates, Barcoded				
Cat. No.	Description (Cut Corner)	Colour	Pack Size	Price
E1042-3840-BC	384-Well PCR Plate, ABI/Universal-Style, Skirted, with Barcode (A24)	Natural	10x10	£488.87
E1042-9900-BC	384-Well PCR Plate for Roche Lightcycler, Skirted, with Barcode (A24/P24)	Natural	10x10	£488.87

Customised barcoding is also available

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

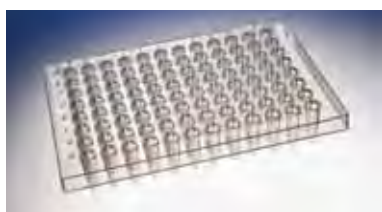
Semi-Skirted PCR Plates



11402-9700

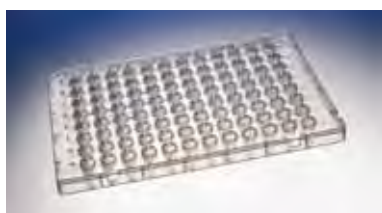
Plate capacities:

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



11402-9800

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-fluorescence 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					
Cat. No.	Description (Cut Corner)	Colour	Pack Size	Price	
Low-Profile					
E1403-6200 C	96-Well PCR Plate, Semi-Skirted, Low-Profile (A12)	Natural	10	£32.91	
E1403-6209 C	96-Well PCR Plate, Semi-Skirted, Low-Profile (A12)	White	10	£32.91	
Standard Height					
11402-9700 C	96-Well PCR Plate, Semi-Skirted (A12)	Natural	10	£32.91	
11402-9701	96-Well PCR Plate, Semi-Skirted (A12)	Blue	10	£32.91	
11402-9708 C	96-Well PCR Plate, Semi-Skirted (A12)	Black	10	£32.91	
11402-9709	96-Well PCR Plate, Semi-Skirted (A12)	White	10	£32.91	
11402-9799	96-Well PCR Plate, Semi-Skirted (A12)	Mixed**	10	£32.91	
11402-9800	96-Well PCR Plate, Semi-Skirted, Straight Edges (A12)	Natural	10	£32.91	
11402-9809 C	96-Well PCR Plate, Semi-Skirted, Straight Edges (A12)	White	10	£32.91	
11402-9909 C	96-Well PCR Plate, Semi-Skirted, for Roche® Lightcycler® (H12)	White	10	£32.91	


Sealing Mat					
Cat. No.	Description (Cut Corner)	Colour	Pack Size	Price	
E1403-0000	Silicone Sealing Mat (Autoclavable)*	Natural	5	£30.41	

*NOTE: Sealing mat E1403-0000 is not suitable for qPCR. Above plates can also be sealed with PCR strip caps (page 81), or the plate seals suitable for PCR (pages 97–98). For an overview of PCR plate sealing options, see page 90.

**Mixed pack contains two plates of the following colours: blue, green, red, violet, yellow.

Semi-Skirted PCR Plates with Raised Rim					
Cat. No.	Description (Cut Corner)	Colour	Pack Size	Price	
TAQMan®-Style Plate					
E1403-8200 C	96-Well PCR Plate, Semi-Skirted, Raised Rim (A12)	Natural	10	£32.91	
E1403-8209	96-Well PCR Plate, Semi-Skirted, Raised Rim (A12)	White	10	£32.91	
Plate for FAST® Systems					
E1403-7700 C	96-Well PCR Plate, Semi-Skirted, Raised Rim, Low Profile (for FAST® Systems) (A1)	Natural	10	£30.29	
E1403-7709 C	96-Well PCR Plate, Semi-Skirted, Raised Rim, Low Profile (for FAST® Systems) (A1)	White	10	£32.91	
Sealing Mat					
E1403-0000	Silicone Sealing Mat (Autoclavable)*	Natural	5	£30.41	

*NOTE: Sealing mat E1403-0000 is not suitable for qPCR. Above plates can also be sealed with PCR strip caps (page 81), or the plate seals suitable for PCR (pages 97–98). For an overview of PCR plate sealing options, see page 90.

 www.starlab.click/pcrplates

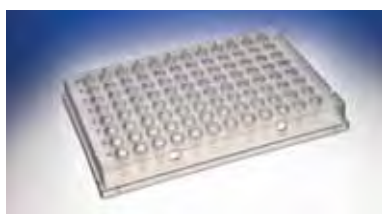
Skirted PCR Plates



E1403-5200

Plate capacities:

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



E1403-5200



E1042-3840

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
- ▶ Certified RNase, DNase, DNA & PCR Inhibitor free
- ▶ Endotoxin-free

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96-Well Skirted PCR Plates				
Cat. No.	Description	Colour	Pack Size	Price
Low-Profile				
E1403-5200	96-Well PCR Plate, Skirted, Low-Profile (A12)	Natural	10	£32.91
E1403-5208	96-Well PCR Plate, Skirted, Low-Profile (A12)	Black	10	£32.91
E1403-5209	96-Well PCR Plate, Skirted, Low-Profile (A12)	White	10	£32.91
Sealing Mat				
E1403-0000	Silicone Sealing Mat (Autoclavable)*	Natural	5	£30.41

*NOTE: Sealing mat E1403-0000 is not suitable for qPCR. Above plates can also be sealed with PCR strip caps (page 81), or the plate seals suitable for PCR (pages 97–98). For an overview of PCR plate sealing options, see page 90.

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				
Cat. No.	Description	Colour	Pack Size	Price
E1042-3840	384-Well PCR Plate, ABI®/Universal-Style, Skirted (A24)	Natural	10	£56.88
E1042-3849	384-Well PCR Plate, ABI®/Universal-Style, Skirted (A24)	White	10	£56.88
E1042-9909	384-Well PCR Plate for Roche® Lightcycler®, Skirted (A24,P24)	White	10	£68.32
E1042-2500	384-Well PCR Plate, Skirted (40 µl), (A24,P24)	Natural	10	£37.92
E1042-3000	384-Well PCR Plate, Skirted (35 µl), (A24)	Natural	10	£37.92
Sealing Mat				
E1042-2350	Silicone Sealing Mat for 384-Well Plates*	Natural	10	£31.60

Volumes stated are approximate.

*Sealing mat E1042-2350 is not suitable for qPCR. Plates seals suitable for PCR/qPCR can be found on pages 97–98.

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		
	B1402-0595	E1403-0100	E1403-0200*	E1403-1200*	E1403-2200*	E1403-6200*	E1403-7700*	E1403-8200*	11402-9700*	11402-9800*	11402-9909	E1403-5200*	E1403-5300	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		✓		✓												
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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 Cyclers		✓		✓	✓			✓	✓							
	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			✓		✓	✓					✓		✓				✓
Sequencer	iQ5 & MyiQ		✓		✓	✓				✓		✓					
	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

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		✓		✓						✓	✓			✓
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		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
Real-Time	PrimeQ			✓							✓				
	Quantica			✓							✓				

THERMO HYBAID

Thermal Cyclers	PCR Sprint		✓	✓	✓	✓	✓	✓	✓	✓	✓				
	MBS Satellite (Multiblock) System		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Px2 & PxE		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	PCR Express & Omni-E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Touchdown & Omnigene	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

TRANSGENOMIC

Sequencer	WAVE System											✓			
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Individual cyclers-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

'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 81.

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,

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 84–87.

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 97.**



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 98 for specifications and ordering details.



Important Note for Real-Time PCR (qPCR)

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

Plates: See the Plate-Cycler Compatibility chart on pages 88–89 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 97–98 for details.

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

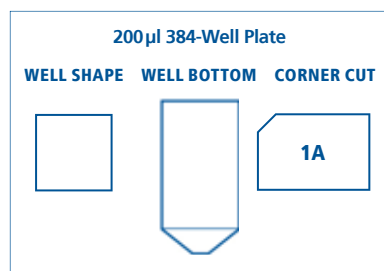
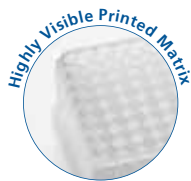
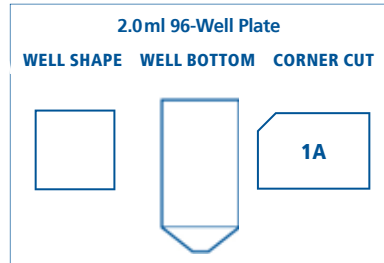
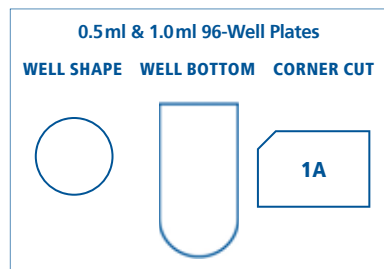
PlateOne® Deepwell Plates



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

PlateOne



96 Deepwell Plates

Cat. No.	Description	Pack Size	Price
0.5 ml, Round Wells, Round Bottom			
S1896-5800	0.5 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms	4 x 8	£141.45
S1896-5000	0.5 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Bulk)	32	£122.07
S1896-5110	0.5 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Sterile), Individually Wrapped	32	£159.25
B1494-1224	DMSO Resistant Polyolefin Sealing Mat for 96-Well with Round Wells	24	£106.17
1.0 ml, Round Wells, Round Bottom			
S1896-1800	1.0 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms	4 x 5	£89.13
S1896-1000	1.0 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Bulk)	20	£83.61
S1896-1110	1.0 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Sterile), Individually Wrapped	20	£100.91
B1494-1224	DMSO Resistant Polyolefin Sealing Mat for 96-Well with Round Wells	24	£106.17
2.0 ml, Square Wells, V-Shaped Bottom			
S1896-2800	2.0 ml PlateOne® 96 Deepwell Plate, Square Wells with V-Shape Bottoms	4 x 5	£100.91
S1896-2000	2.0 ml PlateOne® 96 Deepwell Plate, Square Wells with V-Shape Bottoms (Bulk)	20	£90.27
S1896-2110	2.0 ml PlateOne® 96 Deepwell Plate, Square Wells with V-Shape Bottoms (Sterile), Individually Wrapped	20	£111.43
B1494-1124	DMSO Resistant Polyolefin Sealing Mat for 96-Well with Square Wells	24	£85.00
E2896-1801	Piercable Sealing Mat for 96-Well with Square Wells	5	£34.55

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 97–98.

384 Deepwell Plates

Cat. No.	Description	Pack Size	Price
S1884-2400	200 µl PlateOne® 384 Deepwell Plate, Square Wells with V-Shape Bottoms	4 x 10	£211.78
S1884-2000	200 µl PlateOne® 384 Deepwell Plate, Square Wells with V-Shape Bottoms (Bulk)	40	£185.79
S1884-2410	200 µl PlateOne® 384 Deepwell Plate, Square Wells with V-Shape Bottoms (Sterile), Individually Wrapped	40	£233.62
B1494-1024	Autoclavable, DMSO Resistant Sealing Mat for 384-Well Plates with Square Wells, Blue	24	£87.50

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 97–98.

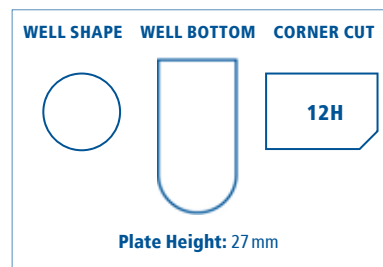
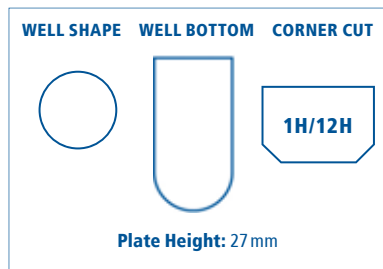
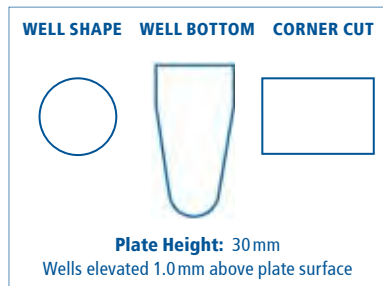
Plates

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



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 97–98

0.6 ml, Low-Profile, Round Wells

Cat. No.	Description	Pack Size	Price
E2896-0600	0.6 ml 96 Deepwell Plate, Round Wells with Conical Bottoms	5	£14.65

Certified RNase and DNase free.

1.1 ml, Low-Profile, Round Wells (Sterile)

Cat. No.	Description	Pack Size	Price
E2896-0110	1.1 ml 96 Deepwell Plate, Round Wells with Round Bottoms, Low-Profile (Sterile)	2 x 5	£39.81

Sealing Mats

E2896-1100	Pierceable, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Round Wells	10	£33.18
E2896-1110	Pierceable, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Round Wells (Sterile)	2 x 5	£39.80

Certified RNase and DNase free.

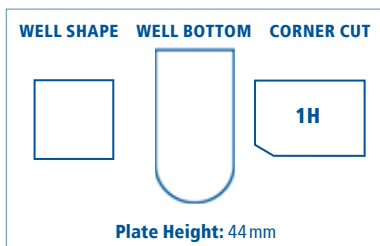
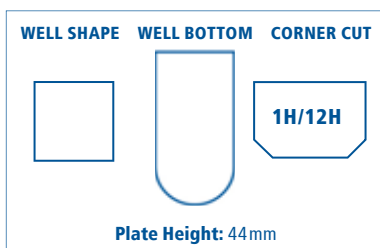
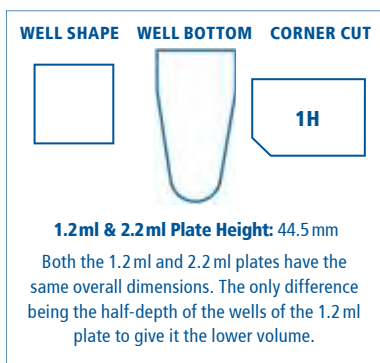
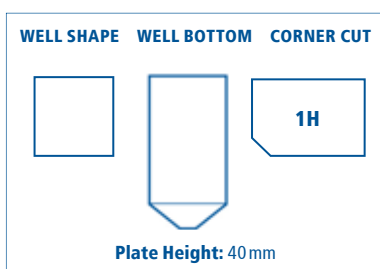
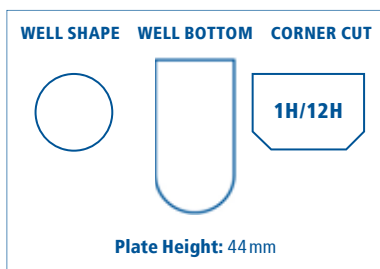
1.2 ml, Low-Profile, Round Wells

Cat. No.	Description	Pack Size	Price
E2896-0120	1.2 ml 96 Deepwell Plate, Round Wells, Round Bottoms, Low-Profile	50	£149.04

Sealing Options

E2896-0320	Pierceable TPE Sealing Mat for 1.2ml 96 Deepwell Plates with Round Wells	50	£170.00
E1780-8400	Pierceable TPE 8-Strip Caps for 96 Deepwell Plates with Round Wells	1000 Strips	£185.79





2.0 ml, Round Wells			
Cat. No.	Description	Pack Size	Price
E2896-2100	2.0 ml 96 Deepwell Plate, Round Wells with Round Bottoms,	10	£43.82
E2896-2110	2.0 ml 96 Deepwell Plate, Round Wells with Round Bottoms (Sterile)	2 x 5	£55.71

Sealing Mats			
E2896-1100	Piercable, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Round Wells	10	£33.18
E2896-1110	Piercable, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Round Wells (Sterile)	2 x 5	£39.80

Certified RNase and DNase free.

2.2 ml, Square Wells			
Cat. No.	Description	Pack Size	Price
E2896-0220	2.2 ml 96 Deepwell Plate, Square Wells with V-Shaped Bottoms	50	£160.97

Sealing Mat			
E2896-2501	Piercable TPE Sealing Mat for 2.2/2.5 ml 96 Deepwell Plates with Square Wells	20	£51.99

1.2 ml and 2.2 ml, Square Wells			
Cat. No.	Description	Pack Size	Price

1.2 ml Deepwell Plate			
E2896-1820	1.2 ml 96 Deepwell Plate, Square Wells with Conical Bottoms	10	£33.18

2.2 ml Deepwell Plate			
E2896-1810	2.2 ml 96 Deepwell Plate, Square Wells with Conical Bottoms	10	£37.18

Sealing Mat			
E2896-1801	Piercable, Autoclavable Silicone Sealing Mat for 1.2 ml and 2.2 ml 96 Deepwell Plates with Square Wells	5	£34.55

Certified RNase and DNase free.

2.0 ml, Square Wells (Sterile)			
Cat. No.	Description	Pack Size	Price
E2896-0210	2.0 ml 96 Deepwell Plate, Square Wells with Round Bottoms (Sterile)	5 x 5	£143.35

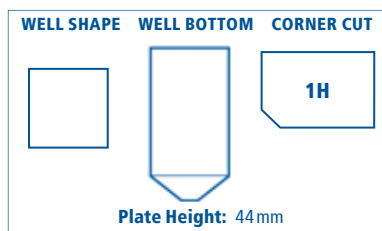
Sealing Mat			
E2896-1200	Piercable, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Square Wells	10	£34.84

Certified RNase and DNase free.

2.5 ml, Square Wells			
Cat. No.	Description	Pack Size	Price
E2896-2500	2.5 ml 96 Deepwell Plate, Square Wells with Round Bottoms	20	£119.24

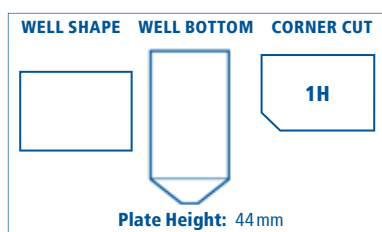
Sealing Mat			
E2896-2501	Piercable TPE Sealing Mat for 2.2/2.5 ml 96 Deepwell Plates with Square Wells	20	£51.99

24-Well Deepwell Plates



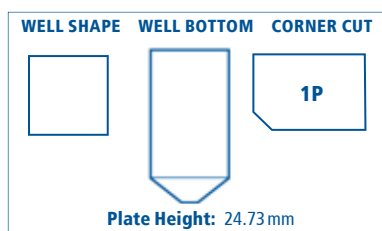
10 ml, Square Wells			
Cat. No.	Description	Pack Size	Price
E2824-0000	10 ml 24 Deepwell Plate, Square Wells with V-Shape Bottoms	20	£149.04
Sealing Mat			
E2824-0001	Pierceable TPE Sealing Mat for 10 ml 24 Deepwell Plate	20	£78.70

48-Well Deepwell Plates



5.0 ml, Rectangle Wells			
Cat. No.	Description	Pack Size	Price
E2848-0000	5.0 ml 48 Deepwell Plate, Rectangle Wells with V-Shape Bottoms	20	£149.04
E2848-5010	5.0 ml 48 Deepwell Plate, Rectangle Wells with V-Shape Bottoms (Sterile)	2 x 5	£171.99
Sealing Mat			
E2848-0001	Pierceable TPE Sealing Mat for 5.0 ml 48 Deepwell Plates	20	£78.70

384-Well Deepwell Plates



The chemically resistant mat can be used with DMSO and other solvents.

240 µl, Square Wells			
Cat. No.	Description	Pack Size	Price
240 µl 384-Well Plate			
E2384-2400	240 µl 384 Deepwell Plate, Square Wells with V-Shape Bottoms	10	£47.83
Sealing Mat			
E2384-2000	Chemically Resistant, Autoclavable Silicone Sealing Mat for 384 Deepwell Plates with Square Wells (Autoclavable)	10	£53.08

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 97–98

PlateOne® Microplates



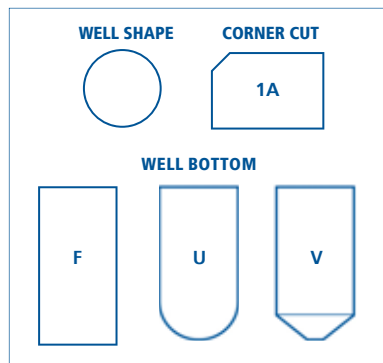
Well-bottom shape indicator code on every plate for easy identification

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 (96-well plates)
- ▶ Highly visible printed, alpha-numeric matrix
- ▶ SBS footprint
- ▶ Temperature range: -80°C to 121°C
- ▶ Autoclavable
- ▶ Certified RNase, DNase, DNA & Pyrogen free

PlateOne®



96-Well Microplates			
Cat. No.	Description	Pack Size	Price
Flat Bottom (F) Plates, max. Working Volume 370 µl			
S1837-9600	PlateOne® 96-Well Microplate, Round Wells with Flat Bottoms,	4 x 20	£145.98
S1837-9610	PlateOne® 96-Well Microplate, Round Wells with Flat Bottoms (Sterile)	4 x 20	£164.51
Round Bottom (U) Plates, max. Working Volume 320 µl			
S1830-9600	PlateOne® 96-Well Microplate, Round Wells with Round Bottoms	4 x 20	£145.98
S1830-9610	PlateOne® 96-Well Microplate, Round Wells with Round Bottoms (Sterile)	4 x 20	£164.51
Conical Bottom (V) Plates, max. Working Volume 320 µl			
S1833-9600	PlateOne® 96-Well Microplate, Round Wells with Conical Bottoms	4 x 20	£145.98
S1833-9610	PlateOne® 96-Well Microplate, Round Wells with Conical Bottoms (Sterile)	4 x 20	£164.51
Sealing Mat			
B1494-1224	DMSO Resistant Polyolefin Sealing Mat for 96-Well with Round Wells	24	£85.00

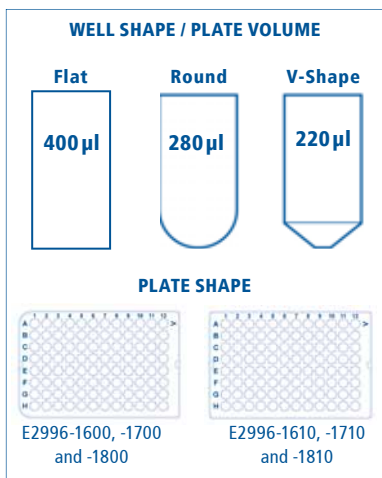
Plate dimensions: (WxDxH): 127.8 x 85.5 x 14.35 mm



www.starlab.click/plateone



Polystyrene Microplates



Sealing options: Can also be sealed with plate seals suitable for PS plates on pages 97–98

Ultra clear polystyrene microplates

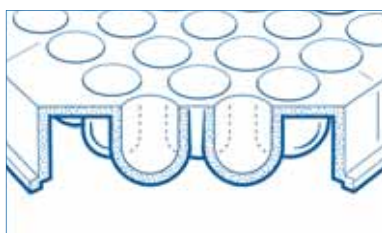
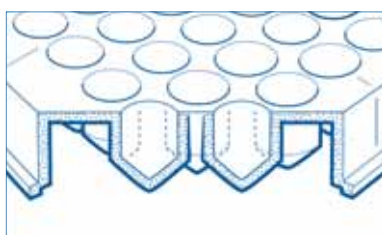
- ▶ Crystal clear polystyrene (PS)
- ▶ Aseptically produced plates in convenient mini-packs
- ▶ Individually-wrapped, sterile (irradiated) plates.
- ▶ Lids available separately

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			
Cat. No.	Description	Pack Size	Price
Sterile¹			
E2996-1600	96-Well Microplate, Round Wells, Flat Bottom, PS (Sterile ¹)	20 x 5	£47.83
E2996-1700	96-Well Microplate, Round Wells, Round Bottom, PS (Sterile ¹)	20 x 5	£46.45
E2996-1800	96-Well Microplate, Round Wells, V-Shape Bottom, PS (Sterile ¹)	20 x 5	£46.45
E2996-1900	PS Lid for 96-Well PS Microplates (Sterile ¹)	20 x 5	£46.45
Sterile², Individually-Wrapped			
E2996-1610	96-Well Microplate, Round Wells, Flat Bottom, PS (Sterile ²), Individually-Wrapped	50	£50.45
E2996-1710	96-Well Microplate, Round Wells, Round Bottom, PS (Sterile ²), Individually-Wrapped	50	£50.45
E2996-1810	96-Well Microplate, Round Wells, V-Shaped Bottom, PS (Sterile ²), Individually-Wrapped	50	£50.45
E2996-1910	PS Lid for 96-Well PS Microplates (Sterile), Ind. Wrapped	50	£39.81

¹Aseptically produced in a fully-automated and bio-burden controlled environment. ²Sterilised via irradiation.
 Plate dimensions (WxDxH): 127.4 x 85.9 x 14.7 mm. 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 97–98

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

Polypropylene Assay Plates			
Cat. No.	Description	Pack Size	Price
V-Shape Bottoms			
E2996-1500	480 µl Assay Plate, 96 Round Wells with V-Shape Bottoms	10	£21.28
E2996-1510	480 µl Assay Plate, 96 Round Wells with V-Shape Bottoms (Sterile)	10	£26.54
Round Bottoms			
E2996-0500	500 µl Assay Plate, 96 Round Wells with Round Bottoms	10	£21.28
Sealing Mats			
E2896-1100	Piercable, Autoclavable Silicone Sealing Mat for Plates with Round Wells	10	£33.18
E2896-1110	Piercable, Autoclavable Silicone Sealing Mat for Plates with Round Wells (Sterile)	2 x 5	£39.80

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 £41.10 100 Seals	E2796-9792 £43.26 100 Seals	E2796-0793 £41.10 100 Seals	E2796-9793 £43.26 100 Seals	E2796-9795 £121.28 100 Seals	E2796-0794 £34.55 100 Seals	E2796-0796 £27.42 100 Seals	E2796-3005 £72.99 100 Seals
Ordering Info: (Sterile)	n/a	n/a	n/a	n/a	n/a	E2796-0714 £49.08 100 Seals	n/a	E2796-3015 £44.70 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**					✓			
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.

¹X-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 easier to handle so the seal sticks to your plate, not your gloves. The adhesive is pressure-sensitive, so it is only once you have correctly positioned the seal on the plate and you then apply pressure that the seal adheres to the plate. Once bonded, the seal strength is unbeatable. Contact STARLAB for a copy of the Data Sheet detailing the outstanding performance of E2796-9795 against a leading brand's seal.

FREE SAMPLE
TRY
before you
BUY
available on request

Sealing Accessories



Seal Applicator

Polyethylene applicator for use with self-adhesive plate seals.

12928-7355 £9.14 pack of 5



Sealing Brayer

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

E9127-2940 £26.04 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 £40.00 25 Seals	E2796-3090 £28.00 25 Seals	E2796-3020 £180.00 100 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			
Cat. No.	Description	Pack Size	Price
I3080-5075	Parafilm® (50 mm Wide x 75 m Long)	1 Roll	£30.56
I3080-1038	Parafilm® (100 mm Wide x 38 m Long)	1 Roll	£36.88
I3080-1075	Parafilm® (100 mm Wide x 75 m Long)	1 Roll	£52.86

 www.starlab.click/parafilm

Autoclave Tape & Bags



Autoclave tape

Autoclave Tape			
Cat. No.	Description	Pack Size	Price
E3300-0000	Autoclave Tape (50 m Long x 18 mm Wide)	4	£26.54
E3300-0001	Autoclave Tape (50 m Long x 25 mm Wide)	4	£29.81



Autoclave bags

- ▶ Polypropylene bags (30 microns) for autoclaving up to 136°C
- ▶ Printed with the 'biohazard' symbol
- ▶ Use for contaminated waste disposal
- ▶ White write-on panel

Autoclave Bags			
Cat. No.	Description	Pack Size	Price
E3300-3166	Autoclave Bag, 310 x 660 mm	200	£42.44
E3300-4070	Autoclave Bag, 415 x 600 mm	200	£46.45
E3300-6078	Autoclave Bag, 610 x 810 mm	200	£86.26

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

Standard polystyrene cuvettes

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

UV grade PMMA cuvettes

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

Supplied in a polystyrene rack with lid for safe storage.



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

Cuvettes			
Cat. No.	Description	Pack Size	Price
E1412-4150	1.5 ml SemiMicro Cuvette, Square, Polystyrene	5 x 100	£58.47
E1412-4160	1.6 ml Half Micro Cuvette, Transparent, Square, Polystyrene	5 x 100	£58.47
E1412-4450	4.5 ml Macro Cuvette, Square, Polystyrene	5 x 100	£61.10
E1412-4250	2.5 ml SemiMicro Cuvette, Square, UV Grade PMMA	5 x 100	£79.63
E1412-4451	4.5 ml Macro Cuvette, Transparent, Square, UV Grade PMMA	5 x 100	£79.63

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

Cat. No.	Description	Volume	Pack Size	Price
S4026-5806	StarTub Reagent Reservoir (PP)	50–60 ml	10	£15.90

Disposable PVC Reservoir



StarTub PVC

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

Dimensions (WxDxH):
150 x 67 x 25 mm

Cat. No.	Description	Volume	Pack Size	Price
E2310-1000	StarTub Reagent Reservoir (PVC)	55 ml	100	£16.80

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

Cat. No.	Description	Volume	Pack Size	Price
E2310-1025	StarTub Reagent Reservoir (PS), (Sterile) Single-Wrap	25 ml	50	£32.39
E2310-1010	StarTub Reagent Reservoir (PS), (Sterile) Single-Wrap	55 ml	50	£28.88
E2310-1100	StarTub Reagent Reservoir (PS), (Sterile) Single Wrap	100ml	50	£35.69
E2310-2000	StarTub Reagent Reservoir (PS), Bulk	100 ml	100	£47.57

New!

New!

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.

Cat. No.	Description	Volume	Pack Size	Price
CA-40505	CAPP® Origami Reagent Reservoir	30 ml	50	£28.92
CA-40510	CAPP® Origami Reagent Reservoir	40 ml	50	£33.74

3-Way Reusable Polypropylene Reservoir



Three-Way Reservoir

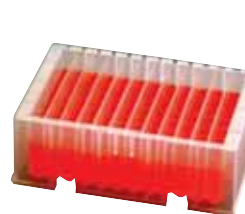
Reusable multi-purpose white polypropylene reservoir that comprises:

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

Cat. No.	Description	Pack Size	Price
E2310-1812	3-Way Reusable Reagent Reservoir	10	£16.86

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

Cat. No.	Description	Volume	Pack Size	Price
E2310-1200	12-Channel Reagent Reservoir	12 x 22 ml	5	£20.27



www.starlab.click/reagentreservoirs

New!

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 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™			
Cat. No.	Description	Pack Size	Price
ChannelMate™ 25 ml System			
E1306-2510	25 ml ChannelMate™ Reservoir System (Sterile)	200*	£135.00
E1346-2510	25 ml ChannelMate™ Insert (Sterile)	50	£34.00
E1306-2590	25 ml ChannelMate™ Base	10	£60.00
ChannelMate™ 100 ml System			
E1306-1010	100 ml ChannelMate™ Reservoir System (Sterile)	200*	£135.00
E1346-1010	100 ml ChannelMate™ Insert (Sterile)	50	£34.00
E1306-1090	100 ml ChannelMate™ Base	10	£60.00

*Pack contains one base plus 200 inserts.

Loops & Spreaders

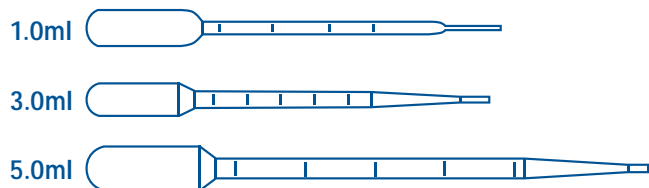
Loops					
		Cat. No.	Description	Pack Size	Price
	Sterile polystyrene loops with very flexible loop, with rounded tip Available in three sizes, 1.0 µl, 5.0 µl and 10 µl Batch and expiry date printed on the bag	E1412-0111	1.0 µl Calibrated Loop, Soft Type (Sterile), Green	50 x 20	£45.55
		E1412-0112	1.0 µl Calibrated Loop, Rigid Type (Sterile), Blue	50 x 20	£32.91
		E1412-5012	5.0 µl Calibrated Loop, Rigid Type (Sterile), Blue	50 x 20	£24.09
		E1412-1011	10 µl Calibrated Loop, Soft Type (Sterile), Sky Blue	50 x 20	£45.55
		E1412-1012	10 µl Calibrated Loop, Rigid Type (Sterile), Blue	50 x 20	£32.91

NOTE: Not recommended for colony counting.

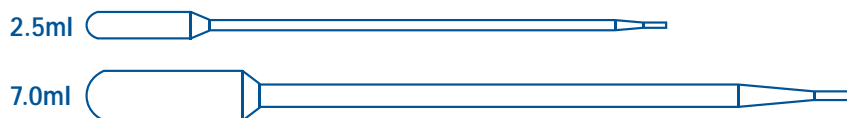
Spreaders					
		Cat. No.	Description	Pack Size	Price
	Base length allows spreading over any type of petri dish and avoids contact with dish walls. Spreader extremity is curved to avoid damaging media surface while spreading.	E1412-1001	L-Shaped Spreader, PS (Sterile), Blue, Individually Wrapped	500	£60.69
		E1412-1005	L-Shaped Spreader, PS (Sterile), Blue, Supplied in peel-packs of 5 spreaders	100 x 5	£54.37
		E1410-1025	L-Shaped Spreader, PP (Sterile), Blue, Supplied in peel-packs of 25 spreaders	40 x 25	£50.56

Pasteur Pipettes

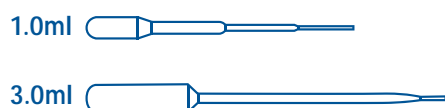
STANDARD, GRADUATED PIPETTES



EXTRA LONG PIPETTES



FINE TIP PIPETTES



Polyethylene pipettes

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

Features

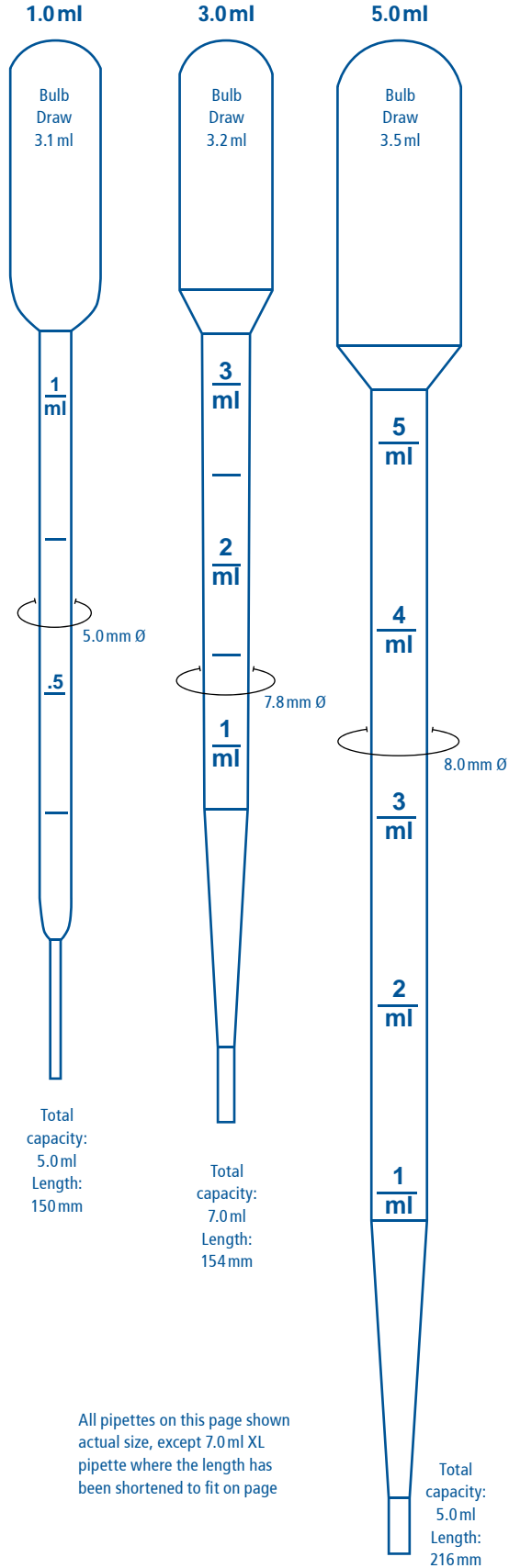
- ▶ Sterile or non-sterile
- ▶ Low affinity surface
- ▶ Attached bulb avoids cross-contamination
- ▶ One-step biohazard disposal
- ▶ Shatter-proof low-density polyethylene, which is non-toxic and inert
- ▶ Can be frozen in liquid nitrogen
- ▶ Sterile pipettes are supplied in peel-back packs printed with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

Pasteur Pipettes							
Cat. No.	Description	Graduations	Length	Bulb Draw	Stem Diam.	Pack Size	Price
Standard Pasteur Pipettes							
E1414-0100	1.0ml Graduated Pasteur Pipette	0.25 ml	154mm	3.1 ml	5.0mm	500	£11.89
E1414-0110	1.0ml Graduated Pasteur Pipette (Sterile)					25 x 20	£25.16
E1414-0111	1.0ml Graduated Pasteur Pipette (Sterile), Ind. Wrapped					500	£38.44
E1414-0300	3.0ml Graduated Pasteur Pipette	0.5 ml	154mm	3.2 ml	7.8mm	500	£11.89
E1414-0310	3.0ml Graduated Pasteur Pipette (Sterile)					25 x 20	£25.16
E1414-0311	3.0ml Graduated Pasteur Pipette (Sterile), Ind. Wrapped					500	£38.44
E1414-0500	5.0ml Graduated Pasteur Pipette	1.0 ml	216mm	3.5 ml	8.0mm	250	£21.28
XL Pasteur Pipettes							
E1414-2500	2.5ml XL Pasteur Pipette	n/a	225mm	2.3ml	5.0mm	400	£30.55
E1414-0700	7.0ml XL Pasteur Pipette	n/a	300mm	7.1 ml	9.0mm	100	£35.81
Fine Tip Pasteur Pipettes							
E1414-1100	1.0ml Micro Fine Tip Pasteur Pipette	n/a	104mm	1.0ml	3.0mm	400	£51.71
E1414-1300	3.0ml Fine Tip Pasteur Pipette	n/a	144mm	3.3 ml	5.0mm	500	£39.81
E1414-1310	3.0ml Fine Tip Pasteur Pipette (Sterile)					25 x 20	£43.82
E1414-1311	3.0ml Fine Tip Pasteur Pipette (Sterile), Ind. Wrapped					500	£106.17

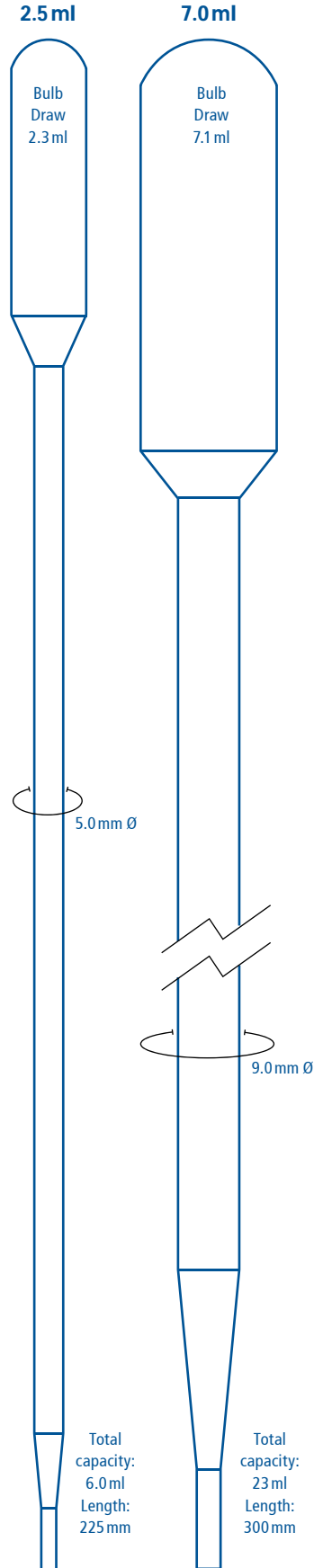
NOTE: Volumetric tolerance of all pipettes is ±10%.



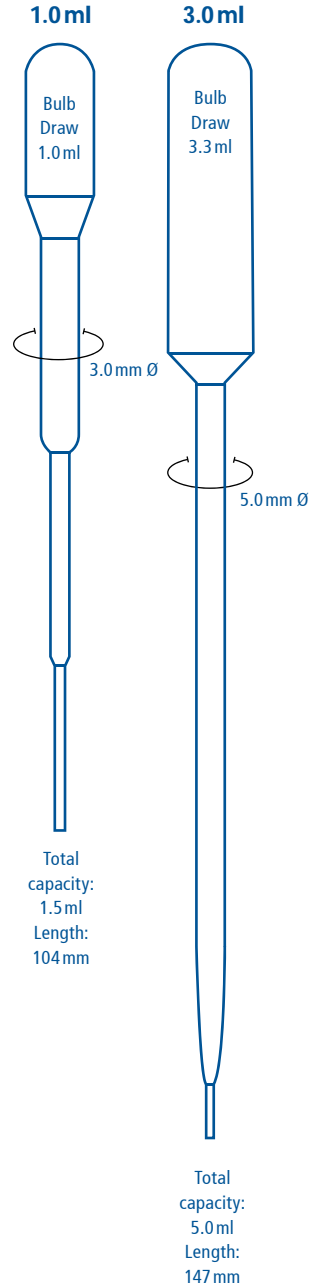
GRADUATED PIPETTES



XL PIPETTES



FINE TIP



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

FREE SAMPLE
TRY
before you
BUY
available on request

Spatulas & Weigh Boats



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.



Anti-static weigh boats



Disposable Spatulas			
Cat. No.	Description	Pack Size	Price
E1412-7200	140 mm SmartSpatula®, Anti-Static	300	£23.66
E1412-7201	140 mm EcoSpatula®	300	£36.54
E1412-7202	210 mm SmartSpatula®, Blue	300	£33.39
E1412-7203	210 mm SmartSpatula®	300	£33.39
E1412-7204	210 mm SmartSpatula® (Sterile)	100	£139.13
E1412-7205	310 mm SmartSpatula®, Green	150	£32.01

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

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

Anti-Static Weigh Boats			
Cat. No.	Description	Pack Size	Price
E3300-0050	5.0 ml Diamond Weigh Boat (40 x 60 mm)	4 x 250	£22.65
E3300-0070	7.0 ml Square Weigh Boat (44 x 44 mm)	4 x 250	£22.65
E3300-0030	30 ml Diamond Weigh Boat (65 x 87 mm)	2 x 250	£23.85
E3300-0010	100 ml Square Weigh Boat (80 x 80 mm)	4 x 250	£46.50
E3300-0011	100 ml Diamond Weigh Boat (126 x 100 mm)	250	£25.04
E3300-0025	250 ml Square Weigh Boat (138 x 138 mm)	4 x 250	£89.43

Cryogenic Labels

E9189-0099



StarTags CRYO

38 x 15 mm

9.5mm 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			
Cat. No.	Description	Pack Size	Price
Spots			
E9189-0099	9.5 mm diam. Cryogenic Spots, Mixed	5000/Roll	£42.63
Labels (38 x 15 mm)			
E9189-3009	StarTag Cryo (38 x 15 mm), White	1000/Roll	£27.85

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!

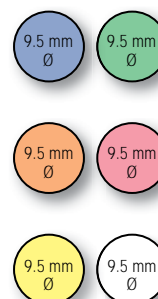
Pre-cut labels that will accept any form of marker pen and will stick permanently in most conditions. StarTags are suitable for use in the freezer, centrifuge, waterbath, thermal cycler, shaker or vortexer. Laser sheets are available in some options, allowing you to print out large numbers of labels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



Features

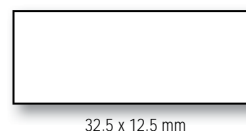
- ▶ Suitable for autoclaving, boiling and freezing down to -85 °C
- ▶ StarTags Cryo can be used down to -196 °C
- ▶ Sticks permanently to all forms of tubes, plates, vials and bottles
- ▶ Leaves no sticky residue once removed

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

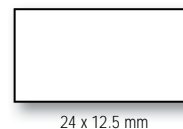


All labels shown actual size

LARGE for 1.5 ml/2.0 ml tubes



MEDIUM for 0.5 ml/0.65 ml



SMALL for 0.2 ml tubes



StarTags Laboratory Labels					
Cat. No.	Description	Colour	Pack Type	Labels per Pack	Price
E9185-0001	9.5 mm diam. Spots	Blue	Roll	2000	£17.28
E9185-0002	9.5 mm diam. Spots	Green	Roll	2000	£17.28
E9185-0003	9.5 mm diam. Spots	Orange	Roll	2000	£17.28
E9185-0004	9.5 mm diam. Spots	Red	Roll	2000	£17.28
E9185-0006	9.5 mm diam. Spots	Yellow	Roll	2000	£17.28
E9185-0009	9.5 mm diam. Spots	White	Roll	2000	£17.28
E9187-1009	Large (32.5 x 12.5 mm)	White	Roll	1000	£17.28
E9187-2016	Large (32.5 x 12.5 mm)	White	A4 Laser Sheets	1980 ¹	£39.81
E9188-1009	Medium (24 x 12.5 mm)	White	Roll	1000	£17.28
E9185-2240	Medium (24 x 12.5 mm)	White	A4 Laser Sheets	2016 ²	£39.81
E9188-8699	Small (20 x 6.0 mm)	White	Roll	1000	£17.28

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

StarTags dispenser

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



StarTags Dispenser		
Cat. No.	Description	Price Each
E9199-0000	StarTags Acrylic Dispenser	£59.72

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

Fine Point Pen		
Cat. No.	Description	Price Each
E9186-9987	Fine Point Pen for use with all StarTags	£2.63

www.starlab.click/labelling



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

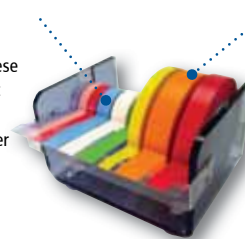
- ▶ One dispenser fits all! The acrylic dispenser holds both lengths of tape
- ▶ Suction feet ensure the dispenser stays firmly on the bench, even when using one hand to dispense the tape
- ▶ Core inserts for 55 m long tape available separately

ID Tape Dispenser		
Cat. No.	Description	Price
E9026-0000	ID Tape Dispenser (Pack comprises 1 Dispenser & 5 Core Inserts)	£63.90
E9026-2005	ID Tape Core Inserts, Pack of 5 (For use with 55 m long tapes)	£10.64

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

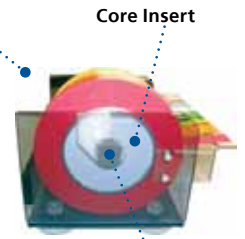
12.7 m Tape

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

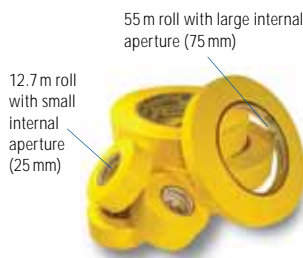


Core Insert

Spindle

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 £4.01	E9127-1272 £4.01	E9127-1273 £4.01	E9127-1274 £4.01	E9127-1275 £4.01	E9127-1276 £4.01	E9127-1270 £4.01	E9127-1279 £4.01	E9127-1278 £30.30
	19.0 mm	E9127-1911 £5.51	E9127-1912 £5.51	E9127-1913 £5.51	E9127-1914 £5.51	E9127-1915 £5.51	E9127-1916 £5.51	E9127-1910 £5.51	E9127-1919 £5.51	E9127-1918 £41.19
	25.4 mm	E9127-2501 £7.01	E9127-2502 £7.01	E9127-2503 £7.01	E9127-2504 £7.01	E9127-2505 £7.01	E9127-2506 £7.01	E9127-2500 £7.01	E9127-2509 £7.01	E9127-2508 £54.46
55 m*	12.7 mm	E9055-1271 £10.39	E9055-1272 £10.39	E9055-1273 £10.39	E9055-1274 £10.39	E9055-1275 £10.39	E9055-1276 £10.39	E9055-1270 £10.39	E9055-1279 £10.39	E9055-1278 £79.63
	19.0 mm	E9055-1911 £14.65	E9055-1912 £14.65	E9055-1913 £14.65	E9055-1914 £14.65	E9055-1915 £14.65	E9055-1916 £14.65	E9055-1910 £14.65	E9055-1919 £14.65	E9055-1918 £108.80
	25.4 mm	E9055-2501 £17.15	E9055-2502 £17.15	E9055-2503 £17.15	E9055-2504 £17.15	E9055-2505 £17.15	E9055-2506 £17.15	E9055-2500 £17.15	E9055-2509 £17.15	E9055-2508 £131.83

*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	19mm (max print width 16mm)
Print speed	10 mm per second
Barcoding	Yes. 1D (Linear) (On 19.1 mm labels only)
Keyboard	ABC
Memory	Stores 12 files
Power Source	6 x AA Batteries (not incl.) or optional AC Adaptor
Weight	0.75 kg
Dimensions	125 x 235 mm

BMP™ 21 Label Printer

Cat. No.	Description	Price
N3000-2000	Brady® BMP™21-LAB Label Printer	£135.19
N3000-2001	AC Adaptor (optional)	£47.98

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

Cat. No.	Description	Colour	Width	Length	Price
N3795-439#*	B-595 Vinyl	Various*	9.5 mm	6.4 m	£21.28
N3795-4399	B-595 Vinyl	White	9.5 mm	6.4 m	£21.28
N3795-4619	B-461 Polyester ¹	White	9.5 mm	6.4 m	£29.17
N5127-4619	B-461 Polyester ¹	White	12.7 mm	6.4 m	£26.42
N7519-4619	B-461 Polyester ¹	White	19.1 mm	6.4 m	£34.58
N3795-4889	B-488 Polyester	White	9.5 mm	6.4 m	£23.85
N5127-4889	B-488 Polyester	White	12.7 mm	6.4 m	£28.02
N7519-4889	B-488 Polyester	White	19.1 mm	6.4 m	£29.31
N3795-4999	B-499 Nylon ¹	White	9.5 mm	4.8 m	£29.21
N5127-4999	B-499 Nylon ¹	White	12.7 mm	4.8 m	£29.80
N7519-4999	B-499 Nylon ¹	White	19.1 mm	4.8 m	£29.80
N3795-7425	B-7425 Polypropylene ¹	White	9.5 mm	6.4 m	£34.07
N5127-7425	B-7425 Polypropylene ¹	White	12.7 mm	6.4 m	£38.39
N7519-7425	B-7425 Polypropylene ¹	White	19.1 mm	6.4 m	£42.72

Label Applications

Freezer (-80 °C)	Liquid Nitrogen (-196 °C)	Autoclave (121 °C)	Hot Water Baths (100 °C)	Low-Profile (extremely thin)	Bar-coding	For the labelling of:		
						Vials	Slides	Plates
-40 °C min.						0.5 ml		✓
-40 °C min.						0.5 ml		✓
✓	✓	✓	✓	✓		0.5 ml		✓
✓	✓	✓	✓	✓		1.5 ml		✓
✓	✓	✓	✓	✓	✓	2.0 – 50 ml		✓
✓		✓				0.5 ml	✓	✓
✓		✓				1.5 ml	✓	✓
✓		✓			✓	2.0 – 50 ml	✓	✓
✓	✓	✓	✓			0.5 ml	✓	✓
✓	✓	✓	✓			1.5 ml	✓	✓
✓	✓	✓	✓		✓	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.

¹Acceptable for use in liquid nitrogen only if the ends of the label overlap. See page 108 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 Polyester¹	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 Polypropylene¹	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).

¹Acceptable 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 107.

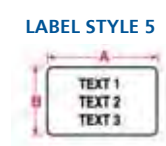
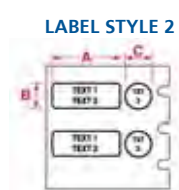
Label Cartridges for LabXpert Printer

Label cartridges for LabXpert™ printer

LabXpert™ Label Cartridges										For Use With							
Label Style	Cat. No.	Label Material	Label Type	Colour	Labels per Cartridge	Label Dimensions (mm)			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
						A	B	C									
1	N0108-4619	B-461 Polyester ¹	Long Tail	White	500	4.75	38.10	17.78	£40.79	✓							
1	N0072-4619	B-461 Polyester ¹	Long Tail	White	225	12.70	44.45	19.05	£52.37		✓						
1	N0074-4619	B-461 Polyester ¹	Long Tail	White	175	12.70	55.88	19.05	£46.31			✓	✓				
1	N0086-4619	B-461 Polyester ¹	Long Tail	White	150	15.24	66.68	25.40	£45.64			✓	✓				
2	N0118-4999	B-499 Nylon	Free Standing	White	350	25.40	9.53	9.53	£44.10		✓	✓	✓				
2	N0117-4999	B-499 Nylon	Free Standing	White	300	25.40	12.70	11.18	£53.47			✓	✓				
3	N0082-4999	B-499 Nylon	Free Standing	White	300	9.53			£36.38			✓					
3	N0082-4993	B-499 Nylon	Free Standing	Orange	300	9.53			£44.87			✓					
3	N0082-4996	B-499 Nylon	Free Standing	Yellow	300	9.53			£44.10			✓					
4	N0119-4619	B-461 Polyester ¹	Long/Short Tail*	White	100	38.10	95.25	31.75	£40.79					✓	✓		
4	N0081-4889	B-461 Polyester ¹	Free Standing	White	200	48.26	6.35		£41.41						✓		
5	N0097-4889	B-461 Polyester ¹	Free Standing	White	400	22.86	22.86		£65.49								✓

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

Label Styles for LabXpert™



 www.starlab.click/labelling

Your cells deserve the best!

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



CELL CULTURE

CytoOne® Overview110

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Sterile Syringe Filters121

CELL CULTURE SCRAPERS

CytoOne® Cell Scrapers122

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.

NEW! 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.



CytoOne® products are put through stringent testing:

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

Outfit your cells for true performance with CytoOne®.

STARLAB Quality

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



 www.starlab.click/cytoone

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 and 60 mm dish bases make these small dishes easier to handle without accidentally displacing the lids. The lids of the 150 mm dishes have four ergonomically placed grip tags for secure handling with less strain.

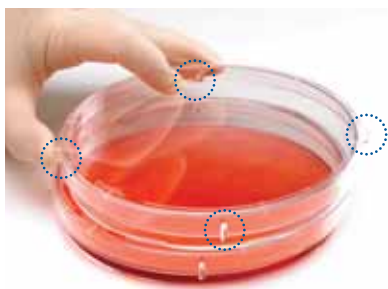
Features

- ▶ 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
- ▶ Certified RNase, DNase, DNA and Pyrogen free
- ▶ Gamma sterilised



CytoOne® Dishes			
Cat. No.	Description	Pack Size	Price
Tissue Culture Treated Dishes			
CC7682-3340	35 x 10 mm CytoOne® Dish	30 x 10	£85.17
CC7682-3359	60 x 15 mm CytoOne® Dish	30 x 10	£90.85
CC7682-3394	100 x 20 mm CytoOne® Dish	30 x 10	£136.27
CC7682-3614	150 x 20 mm CytoOne® Dish	12 x 5	£90.85
Non-Treated Dishes			
CC7672-3340	35 x 10 mm CytoOne® Dish	30 x 10	£79.49
CC7672-3359	60 x 15 mm CytoOne® Dish	30 x 10	£85.17
CC7672-3394	100 x 20 mm CytoOne® Dish	30 x 10	£124.91
CC7672-3614	150 x 20 mm CytoOne® Dish	12 x 5	£85.17

Specifications			
Outer Dimensions x Height	Growth Area	Inner Dimensions	Working Volume
35 x 10 mm	9.6 cm ²	35 mm	2.0 ml
60 x 15 mm	21 cm ²	52 mm	5.0 ml
100 x 20 mm	55 cm ²	85 mm	10 ml
150 x 20 mm	149 cm ²	138 mm	30 ml



The lids of the 150 mm dishes have four ergonomically placed grip tags (circled above) for 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 for improved 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, non-toxic virgin polystyrene and are supplied individually wrapped with the lot number on the packaging.

Features

- ▶ Complete 360° chimney wells prevents cross-contamination and provides 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® plates

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 for 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'.



Tests were carried out on six other brands of 96-well tissue culture plates which were all seeded and incubated under the same conditions as CytoOne®. All display an edge effect which could affect the integrity of your data.

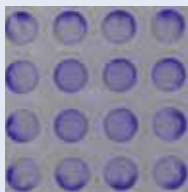


Plate A



Plate B



Plate C



Plate D



Plate E



Plate F

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

CytoOne® Multiwell Plates



TC-treated plates

- ▶ Provides 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



CytoOne® Multiwell Plates			
Cat. No.	Description	Pack Size	Price
Tissue Culture Treated Plates			
CC7682-7506	6-Well CytoOne® Plate, TC-Treated	50	£68.13
CC7682-7512	12-Well CytoOne® Plate, TC-Treated	50	£85.17
CC7682-7524	24-Well CytoOne® Plate, TC-Treated	50	£90.85
CC7682-7548	48-Well CytoOne® Plate, TC-Treated	50	£96.52
CC7682-7596	96-Well CytoOne® Plate, TC-Treated	50	£102.20
Non-Treated Plates			
CC7672-7506	6-Well CytoOne® Plate, Non-Treated	50	£62.46
CC7672-7512	12-Well CytoOne® Plate, Non-Treated	50	£72.13
CC7672-7524	24-Well CytoOne® Plate, Non-Treated	50	£79.49
CC7672-7548	48-Well CytoOne® Plate, Non-Treated	50	£90.85
CC7672-7596	96-Well CytoOne® Plate, Non-Treated	50	£96.52

CytoOne®



One-way fit lids with condensation rings prevent cross contamination

Specifications			
Wells	Growth Area per Well	Working Volume	Well Diameter
6-Well Plate	9.4 cm ²	2.0 ml	3.46 cm
12-Well Plate	3.8 cm ²	1.5 ml	2.21 cm
24-Well Plate	1.9 cm ²	1.0 ml	1.55 cm
48-Well Plate	0.76 cm ²	0.5 ml	0.98 cm
96-Well Plate	0.32 cm ²	0.2 ml	0.64 cm

CytoOne® Flasks with Two-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.



Features

- ▶ All flasks are 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
- ▶ Certified RNase, DNase, DNA and Pyrogen free
- ▶ Gamma sterilised

CytoOne® Flasks with Two-Position Plug Seal Caps				
Cat. No.	Description	Cap Colour	Pack Size	Price
Tissue Culture Treated Flasks				
CC7682-4325	T-25 CytoOne® Flask, TC-Treated	Green	30 x 10	£204.40
CC7682-4175	T-75 CytoOne® Flask, TC-Treated	Green	20 x 5	£136.27
CC7682-4415	T-150 CytoOne® Flask, TC-Treated	Green	8 x 5	£124.91
CC7682-4225	T-225 CytoOne® Flask, TC-Treated	Green	5 x 5	£113.56
Non-Treated Flasks				
CC7672-4325	T-25 CytoOne® Flask, Non-Treated	White	30 x 10	£158.98
CC7672-4175	T-75 CytoOne® Flask, Non-Treated	White	20 x 5	£124.91
CC7672-4415	T-150 CytoOne® Flask, Non-Treated	White	8 x 5	£109.41
CC7672-4225	T-225 CytoOne® Flask, Non-Treated	White	5 x 5	£102.20



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, CytoOne® flasks with vented filter caps have a 0.2 µm hydrophobic membrane to exclude bacteria and fungal contaminants. 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				
Cat. No.	Description	Cap Colour	Pack Size	Price
Tissue Culture Treated Flasks				
CC7682-4825	T-25 CytoOne® Flask, TC-Treated, Vented	Green	30 x 10	£261.18
CC7682-4875	T-75 CytoOne® Flask, TC-Treated, Vented	Green	20 x 5	£181.69
CC7682-4815	T-150 CytoOne® Flask, TC-Treated, Vented	Green	8 x 5	£147.62
CC7682-4822	T-225 CytoOne® Flask, TC-Treated, Vented	Green	5 x 5	£124.91

Specifications (All cap types)					
Flask Type	Growth Area	Neck	Working Volume	Max. Volume without Neck	Max. Volume with Neck
T-25	25 cm ²	Canted	5.0 ml	70 ml	75 ml
T-75	75 cm ²	Canted	20 ml	279 ml	290 ml
T-150	150 cm ²	Canted	30 ml	591 ml	603 ml
T-225	225 cm ²	Angled	60 ml	1006 ml	1024 ml



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



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 membrane that is perfect for filtering FBS and other viscous solutions. The membrane is low protein binding and surfactant-free.

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

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 in the hood.

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
- ▶ Funnel is compatible with GL45 thread bottles
- ▶ 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 (page 119)
- ▶ 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

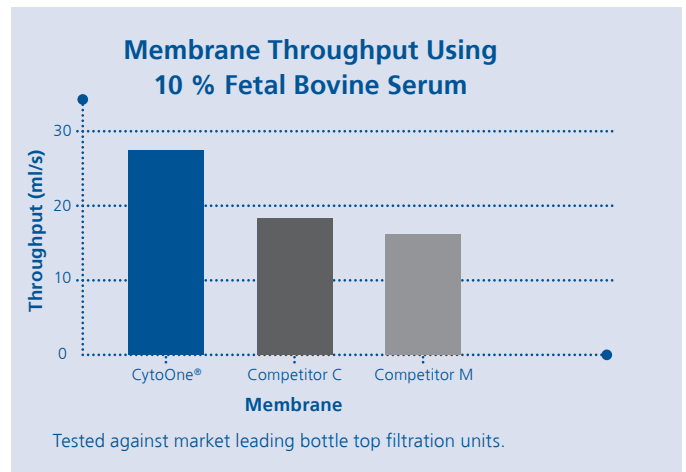


- 1 Dust cap with writing surface
- 2 Large raised volume graduations
- 3 Low protein binding PES filter with large surface area
- 4 Skirted funnel base surrounds the Quick-Connect™ Pedestal or cradle ring for secure hands-free filtration
- 5 Sloping contour with additional head space
- 6 Finger grip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

The fastest in the industry!

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

A combination of a larger membrane surface and advances in membrane technologies allow the new 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.



CytoOne® Bottle Top Filtration Units			
Cat. No	Description	Pack Size	Price
Full Assembly			
CC6032-7233	250 ml CytoOne® Bottle Top Filtration Unit, Full Assembly, 0.2 µm (Sterile)	12	£95.00
CC6032-8233	500 ml CytoOne® Bottle Top Filtration Unit, Full Assembly, 0.2 µm (Sterile)	12	£122.00
CC6032-9233	1000 ml CytoOne® Bottle Top Filtration Unit, Full Assembly, 0.2 µm (Sterile)	12	£168.00
Funnel Only			
CC6062-1233	250 ml CytoOne® Bottle Top Filtration Unit, Funnel Only, 0.2 µm (Sterile)	12	£78.00
CC6062-2233	500 ml CytoOne® Bottle Top Filtration Unit, Funnel Only, 0.2 µm (Sterile)	12	£87.00
CC6062-3233	1000 ml CytoOne® Bottle Top Filtration Unit, Funnel Only, 0.2 µm (Sterile)	12	£130.00



Docking stations for hands-free use of the filtration units are on page 119

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, 50ml funnel with PES membrane, vacuum hose adapter, and dual centrifuge tube stand. A funnel adapter is also included for the 15ml tube system.

The CytoOne® Centrifuge Tube Filtration System is used for sterilization of tissue cultures and microbiological media, 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 (see opposite) which both provide and on/off vacuum flow control. The centrifuge tube filtration system provides a permanent vacuum hose connection if a Quick-Connect™ Pedestal or Cradle Ring is not available. The CytoOne® Centrifuge Tube Filtration System are available in sizes for 15ml and 50ml centrifuge tubes with a 0.2 µm PES membrane.

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
- ▶ Made from Class VI Materials in a class 100,000 cleanroom
- ▶ Manufactured according to ISO 13485 standards
- ▶ Certified non-cytotoxic and pyrogen free
- ▶ Sterile

Cell Culture Filtration

- 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 Systems

Cat. No	Description	Pack Size	Price
CC6032-1411	15 ml CytoOne® Centrifuge Tube Filtration System, Full Assembly, 0.2 µm (Sterile)	24	£171.00
CC6032-1402	50 ml CytoOne® Centrifuge Tube Filtration System, Full Assembly, 0.2 µm (Sterile)	24	£171.00

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

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 Systems

Cat. No	Description	Price Each
CC6000-1116	CytoOne® Quick-Connect™ Vacuum Filtration Pedestal	£404.25
CC6000-1122	CytoOne® Vacuum Filtration Cradle Ring	£147.00



CC6000-1116



CC6000-1122
(Stand not included)

www.starlab.click/filtration



Well prepared!

Best solution

The new CytoOne® Filtration Systems can be perfectly operated with STARLAB's **new Aspirator** (pages 153–154). Use our innovative Aspirator to exploit the full capacity of the Filtration Unit's high flow velocity 0.2µm 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



FREE SAMPLE
TRY
before you
BUY
available on request



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

Aspirator		
Cat. No	Description	Price Each
N2400-9000	STARLAB Aspirator, incl. 4L PP Bottle and Hand Controller	£1515.00

See pages 153–154 for full product details.

Fast filtration

Up to 50 % faster than conventional systems



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)

New!



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 33mm diameter syringe filters are suitable for volumes 10–200ml. Suitable for use for cell culture media and add-itives, biological solutions and buffers.

Syringe Filters (Sterile)				
Cat. No.	Description	Diameter	Pack Size	Price
PES Membrane				
E4780-1226	0.22µm Syringe Filter, PES (Sterile), Yellow	33mm	100	£210.00
E4780-1456	0.45µm Syringe Filter, PES (Sterile), Yellow	33mm	100	£210.00
PVDF Membrane				
E4780-1221	0.22µm Syringe Filter, PVDF (Sterile), Blue	33mm	100	£210.00
E4780-1451	0.45µm Syringe Filter, PVDF (Sterile), Blue	33mm	100	£210.00
Cellulose Acetate Membrane				
E4780-1223	0.22µm Syringe Filter, Cellulose Acetate (Sterile), Orange	33mm	100	£210.00
E4780-1453	0.45µm Syringe Filter, Cellulose Acetate (Sterile), Orange	33mm	100	£210.00

Membranes

PES for fast flow and low protein binding

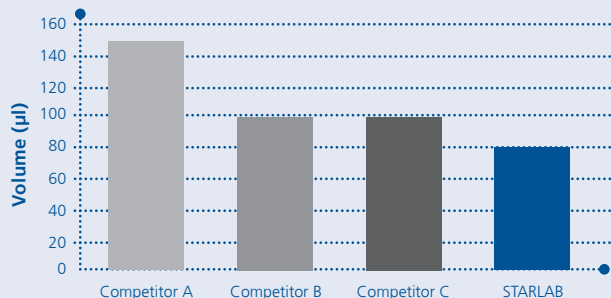
PVDF for maximum, low protein binding

Cellulose Acetate for general filtration and binding trace proteins

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

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 will be wasted due to being held up in the syringe. Use our syringes just 20 times and save up to 140µl, and think of the savings over the course of a month, a year...

FREE SAMPLE
TRY
before you
BUY
available on request



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

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				
Cat. No.	Description	Colour	Pack Size	Price
CC7600-0220	220 mm CytoOne® Cell Scraper with 11 mm Fixed Blade	Blue	100	£139.34
CC7600-0250	250 mm CytoOne® Cell Scraper with 10 mm Pivoting Blade	Blue	100	£132.71
CC7600-0320	320 mm CytoOne® Cell Scraper with 12 mm Pivoting Blade	Blue	100	£139.34

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
- ▶ Gamma sterilised

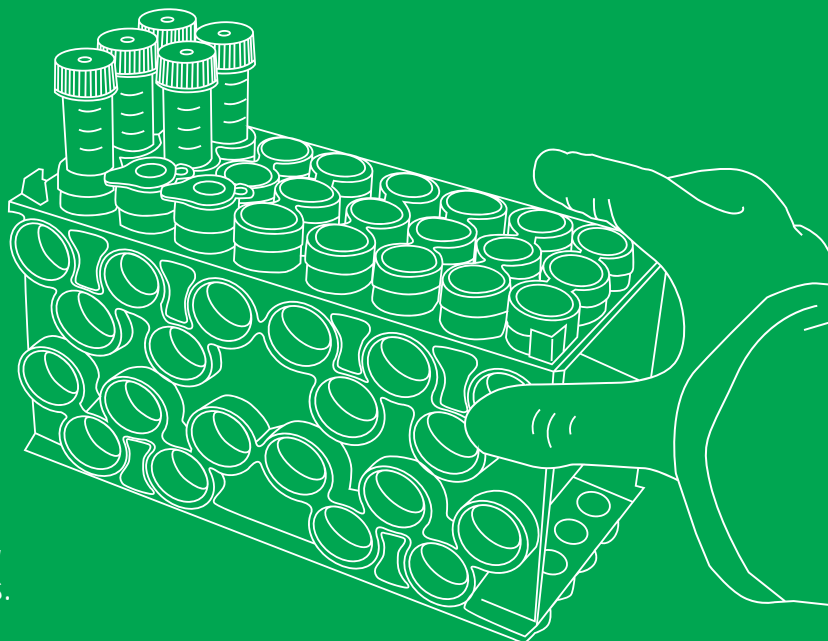
Specifications			
Length	Handle	Blade Type	For use with
220 mm	Straight	Fixed	Plates, Dishes
250 mm	Angled	Pivoting	Small Flasks
320 mm	Dual-Angled	Pivoting	Large Flasks

FREE SAMPLE
TRY
 before you
BUY
 available on request

 www.starlab.click/cellscrapers

A safe place for your samples!

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



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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.



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

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	£14.55
	Blue	A9632-0001	6	£15.90
	Green	A9632-0002		
	Red	A9632-0004		
	Yellow	A9632-0006		
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	£20.44
	Blue	A9632-1961	6	£22.14
	Green	A9632-1962		
	Red	A9632-1964		
	Yellow	A9632-1966		
256-place cardboard storage box with removable 16x16 dividers for tubes up to 7.0 mm diameter, eg. 0.2 ml PCR tubes and strips	White	A9632-2569	6	£20.44
	Blue	A9632-2561	6	£22.14
	Green	A9632-2562		
	Red	A9632-2564		
	Yellow	A9632-2566		

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	£14.55
	Blue	A9623-0001	6	£15.90
	Green	A9623-0002		
	Red	A9623-0004		
	Yellow	A9623-0006		
16-place cardboard storage box with removable 4x4 dividers for tubes up to 31 mm diameter	White	A9623-1616	6	£21.46
	Blue	A9623-1601	6	£22.71
	Green	A9623-1602		
	Red	A9623-1604		
	Yellow	A9623-1606		
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	£21.46
	Blue	A9623-2501	6	£22.71
	Green	A9623-2502		
	Red	A9623-2504		
	Yellow	A9623-2506		
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	£21.46
	Blue	A9623-4901	6	£22.71
	Green	A9623-4902		
	Red	A9623-4904		
	Yellow	A9623-4906		
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	£21.46
	Blue	A9623-8101	6	£22.71
	Green	A9623-8102		
	Red	A9623-8104		
	Yellow	A9623-8106		
100-place cardboard storage box with removable 10x10 dividers for tubes up to 12 mm diameter, eg. screw cap microtubes	White	A9623-3100	6	£21.46
	Blue	A9623-3101	6	£22.71
	Green	A9623-3102		
	Red	A9623-3104		
	Yellow	A9623-3106		

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

The 50 mm high boxes can be used in the freezer racking on pages 140-141 and page 144



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	£15.26
	Blue	A9625-0001	6	£17.03
	Green	A9625-0002		
	Red	A9625-0004		
	Yellow	A9625-0006		
16-place cardboard storage box with removable 4x4 dividers for tubes up to 31 mm diameter	White	A9625-1616	6	£27.78
	Blue	A9625-1601	6	£28.96
	Green	A9625-1602		
	Red	A9625-1604		
	Yellow	A9625-1604		
25-place cardboard storage box with removable 5x5 dividers for tubes up to 24.5 mm diameter	White	A9625-2525	6	£27.78
	Blue	A9625-2501	6	£28.96
	Green	A9625-2502		
	Red	A9625-2504		
	Yellow	A9625-2506		
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	£27.78
	Blue	A9625-4901	6	£28.96
	Green	A9625-4902		
	Red	A9625-4904		
	Yellow	A9625-4906		
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	£27.78
	Blue	A9625-8101	6	£28.96
	Green	A9625-8102		
	Red	A9625-8104		
	Yellow	A9625-8106		
100-place cardboard storage box with removable 10x10 dividers for tubes up to 12 mm diameter	White	A9625-3100	6	£27.78
	Blue	A9625-3101	6	£28.96
	Green	A9625-3102		
	Red	A9625-3104		
	Yellow	A9625-3106		

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

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	£23.37
	Blue	A9627-0001	6	£26.12
	Green	A9627-0002		
	Red	A9627-0004		
	Yellow	A9627-0006		
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	£36.72
	Blue	A9627-1601	6	£39.18
	Green	A9627-1602		
	Red	A9627-1604		
	Yellow	A9627-1606		
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	£36.72
	Blue	A9627-2501	6	£39.18
	Green	A9627-2502		
	Red	A9627-2504		
	Yellow	A9627-2506		
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	£36.72
	Blue	A9627-4901	6	£39.18
	Green	A9627-4902		
	Red	A9627-4904		
	Yellow	A9627-4906		
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	£36.72
	Blue	A9627-8101	6	£39.18
	Green	A9627-8102		
	Red	A9627-8104		
	Yellow	A9627-8106		
100-place cardboard storage box with removable 10x10 dividers for tubes up to 12 mm diameter	White	A9627-3100	6	£36.72
	Blue	A9627-3101	6	£39.18
	Green	A9627-3102		
	Red	A9627-3104		
	Yellow	A9627-3106		

Dimensions (WxDxH): 133 x 133 x 103 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



136x136x50mm Cardboard Box

Box Colour	Cat. No.	Pack Size	Price
Box only			
White	A9650-0000	6	£14.76
Blue	A9650-0001	6	£16.13
Green	A9650-0002		
Red	A9650-0004		
Yellow	A9650-0006		
Box with 100-Place Dividers			
White	A9650-1369	6	£21.58
Blue	A9650-1361	6	£23.85
Green	A9650-1362		
Red	A9650-1364		
Yellow	A9650-1366		

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 140 – 141 and page 144.

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 (15ml Tubes)	I9023-1615	1	£8.11
16-Place (50ml Tubes)	I9023-1650	1	£8.11

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

Polypropylene Storage Boxes

The StarStore 130 x 130mm 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. 1.5/2.0ml 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	£37.92
	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	£37.92

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

The storage boxes above can be used in the freezer racking on pages 140–141 and page 144

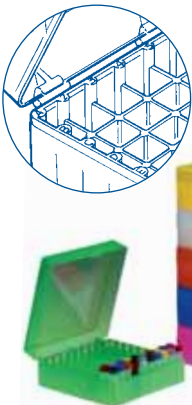




100-place long, polypropylene storage box. Temperature use: -90°C to 121°C. Autoclavable.

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. 1.5/2.0ml 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	£22.14
		Blue	E2100-1101	5	£22.14
		Green	E2100-1102	5	£22.14
		Red	E2100-1104	5	£22.14
		Black*	E2100-1108	5	£22.14

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					
	Description	Colour	Cat. No.	Pack Size	Price
  <p>Moulded Matrix</p>	<p>StarStore 100 100-place polypropylene storage box with fixed 10x10 dividers for tubes up to 13 mm eg. 1.5/2.0ml 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</p>	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
		<p>StarStore 100 boxes can be used with the freezer racking on page 141 and page 145</p> 			



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

50-Place Storage boxes					
	Description	Colour	Cat. No.	Pack Size	Price
	<p>StarStore 50 Neon, Hinged 50-place polypropylene storage box with fixed 5x10 dividers for tubes up to 13 mm eg. 1.5/2.0ml 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</p>	Natural	I 2350-5800	5	£20.00
		Neon Blue	I 2350-5841	5	£22.00
		Neon Green	I 2350-5842	5	£22.00
		Neon Orange	I 2350-5843	5	£22.00
		Neon Pink	I 2350-5844	5	£22.00
		Neon Yellow	I 2350-5846	5	£22.00
		Mixed Neon*	I 2350-5848	5	£21.00
			<p>StarStore 50 (Stackable) 50-place polypropylene storage box with fixed 5x10 dividers for tubes up to 13 mm eg. 1.5/2.0ml microcentrifuge tubes. Lift-off lid with positioning lugs for stable stacking. Dimensions (WxDxH): 144 x 75 x 35 mm Max. tube height: 45 mm</p>	Natural	E2450-5000
Blue	E2450-5001			5	£37.92
Green	E2450-5002			5	£37.92
Pink	E2450-5004			5	£37.92
Yellow	E2450-5006			5	£37.92
	<p>StarStore 50 50-place polypropylene storage box with fixed 5x10 dividers for tube up to 13 mm eg. 1.5/2.0ml microcentrifuge tubes. Transparent, lift-off lid. Dimensions (WxDxH): 146 x 76 x 38 mm</p>	Natural	E2350-5009	5	£18.36
	<p>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</p>	Natural	E2305-6009	5	£17.65

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 76–77) 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	£73.81
		Black*	E2200-1008	5	£73.81
	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	£44.24
		Natural/Blue	E2100-5001	5	£44.24
		Natural/Green	E2100-5002	5	£44.24
		Natural/Red	E2100-5004	5	£44.24
		Natural/Yellow	E2100-5006	5	£44.24
		Black/Black*	E2100-5008	5	£44.24

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	£22.00
		Blue (for 50 ml tubes)	E9025-1650	2	£22.00

Tubes not included.

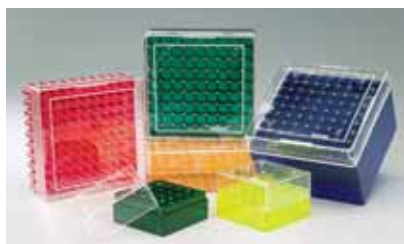
Polycarbonate Bijoux Storage Box

Polypropylene 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 bijoux containers Moulded reference on base. Transparent lift-off lid with frosted writing surface. Dimensions (WxDxH): 133 x 133 x 55 mm	Clear/White	E2381-2525	1	£7.50

Tubes not included.

Cryogenic Storage Boxes



Coloured cryogenic storage boxes

A range 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 to 13 mm eg. 1.0ml and 1.8ml 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. 1.0ml and 1.8ml 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 to 13 mm eg. 1.0ml and 1.8ml 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 140–141 and pages 144–145




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
	<p>StarStore 81Z</p> <p>81-place zylar resin storage box with fixed 9x9 dividers for tubes up to 13mm eg. 1.0ml cryogenic vials.</p> <p>Transparent lift-off lid with frosted writing panels on sides. Vent strips in base for safety and to aid lid removal.</p> <p>Dimensions (WxDxH): 130 x 130 x 45 mm</p>	Natural	E2301-5309	5	£64.27

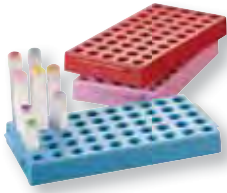
Can be used in the freezer racking on pages 140–141 and page 144.

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

White Polycarbonate Cryogenic Storage Boxes					
	Description	Box Type	Cat. No.	Pack Size	Price
	<p>Cryogenic storage boxes</p> <p>81-place polycarbonated storage with fixed 9x9 grid dividers</p> <p>100-place box polycarbonate storage box with fixed 10x10 pronged dividers</p> <p>White polycarbonate base with transparent, keyed (one-way) lift-off lid with printed reference grid. Drain holes on base for venting and safety.</p> <p>Dimensions (WxDxH): 130 x 130 x 55 mm</p>	81-place	I 2381-2305	5	£38.68
		100-place	I2510-5005	5	£38.68


Can be used in the freezer racking on pages 140–141 and page 144. 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
	<p>Cryogenic lock rack</p> <p>50-place polypropylene rack with a 35x10 array for use with skirted cryogenic vials.</p> <p>The vials lock into the rack for easy one-handed cap removal. Anti-skid rubber feet for stability on the bench.</p> <p>Dimensions (WxDxH): 200 x 100 x 25 mm.</p>	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
	<p>StarRack Multi</p> <p>84-place acetal polymer tube rack with a 6x14 array for tubes up to 13 mm eg. 3.6 ml and 4.5 ml cryogenic storage vials and 12x75 tubes.</p> <p>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!</p> <p>Dimensions (WxDxH): 293 x 115 x 65 mm.</p>	Mixed (contains one each of blue, green, violet, yellow and orange)	E2396-9759	5	£68.20

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
	<p>StarRack 80</p> <p>80-place polypropylene fraction collection rack with a 5x40 array for tubes up to 11 mm eg. 1.5/2.0ml microcentrifuge tubes.</p> <p>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.</p> <p>Dimensions (WxDxH): 226 x 67 x 28 mm</p>	Natural	E2380-5000	5	£14.31
		Blue, Green, Orange, Red, Violet, Yellow or Black*	E2380-500#	5	£15.14
		Mixed**	E2380-5008	5	£15.14
		Neon Blue	E2380-5041	5	£16.45
		Neon Green	E2380-5042	5	£16.45
		Neon Orange	E2380-5043	5	£16.45
		Neon Pink	E2380-5044	5	£16.45
		Neon Yellow	E2380-5046	5	£16.45
		Mixed Neon**	E2380-5048	5	£16.45
		<p>Storage box for StarRack 80</p> <p>Dimensions (WxDxH): 236 x 85 x 52 mm</p>	Natural	E2390-5000	5

*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
 <p>Expand for use on the bench, then close for use in the freezer!</p>	<p>Expanding work/storage rack</p> <p>64-place expanding rack with an 8x8 array for 1.5/2.0ml microcentrifuge tubes.</p> <p>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.</p> <p>Dimensions (WxDxH): Closed: 133 x 133 x 53 mm (with lid) Open: 310 x 128 x 33.5 mm</p>	Grey	E2364-1000	1	£26.12

Tubes not included. Can be used in the freezer racking on pages 140–141 and page 144.

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



Centrifuge Tube Storage Racks					
	Description	Colour	Cat. No.	Pack Size	Price
	<p>StarRack Multi for 15ml or 50ml tubes</p> <p>60-place acetal polymer rack with 5x12 array for tubes up to 16 mm, eg. 15 ml tubes</p> <p>18-place acetal polymer rack with 3x6 array for tubes up to 30 mm, eg. 50 ml tubes</p> <p>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!</p> <p>Dimensions (WxDxH): 293 x 115 x 65 mm</p>	Mixed (contains one each of blue, green, violet, yellow and orange)	E2396-9769 (60-place for 15 ml Tubes)	5	£68.20
			E2396-9779 (18-place for 50 ml Tubes)	5	£68.20

Tubes not included. See also racks for centrifuge tubes on page 132.

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
	<p>Racks for 7.0ml bijou containers Chemically resistant epoxy-coated wire racks, blue. Suitable for tubes up to 20 mm eg. 7.0ml bijou containers. Dimensions (WxDxH): 12 place: 164 x 64 x 32 mm 50 place: 271 x 145 x 32 mm</p>	12-Place 7.0 ml Bijou (2 x 6 format)	E2396-1612	1	£18.17
		50-Place 7.0 ml Bijou (10 x 5 format)	E2396-1650	1	£21.58
	<p>Racks for 30ml 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</p>	12-Place 30 ml Universals (2 x 6 format)	E2396-1712	1	£19.87
		50-Place 30 ml Universals (10 x 5 format)	E2396-1750	1	£22.14
	<p>15-place rack for 15 ml tubes Chemically resistant epoxy-coated wire rack, blue. Suitable for tubes up to 17 mm eg. 15ml conical centrifuge tubes. Dimensions (WxDxH): 127 x 76 x 176 mm</p>	15-Place 15 ml Tubes (3 x 5 format)	E2396-1515	1	£21.46
	<p>8-place rack for 50ml tubes Chemically resistant epoxy-coated wire rack, blue. Suitable for tubes up to 30 mm eg. 50ml conical centrifuge tubes. Dimensions (WxDxH): 147 x 80 x 89 mm</p>	8-Place 50 ml Tubes (2 x 4 format)	E2396-1550	1	£21.46
	<p>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</p>	72-Place 13 mm tubes (6 x 12 format)	E2396-7213	1	£19.31
		72-Place 16 mm tubes (6 x 12 format)	E2396-7216	1	£19.31

Tubes not included. Racks for 15 ml and 50 ml centrifuge tubes also available on page 131.



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
<p>Double-sided!</p>	<p>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)</p>	Natural	E2340-4000	1	£8.82
		Neon Blue	E2340-4041	1	£8.82
		Neon Green	E2340-4042	1	£8.82
		Neon Orange	E2340-4043	1	£8.82
		Neon Pink	E2340-4044	1	£8.82
		Neon Yellow	E2340-4046	1	£8.82
		Mixed Neon*	E2340-3099	5	£42.92
		<p>Double-sided!</p>	<p>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)</p> <p>StarRack 64 can be used in the freezer racking on pages 140–141 and page 142</p>	Natural	E2364-1010
Blue	E2364-1011			1	£6.32
Green	E2364-1012			1	£6.32
Orange	E2364-1013			1	£6.32
Red	E2364-1014			1	£6.32
Violet	E2364-1015			1	£6.32
Yellow	E2364-1016			1	£6.32
Black	E2364-1018			1	£6.30
Mixed**	E2364-6099			5	£27.78
Neon Blue	E2364-1041			1	£6.92
Neon Green	E2364-1042			1	£6.92
Neon Orange	E2364-1043			1	£6.92
Neon Pink	E2364-1044			1	£6.92
Neon Yellow	E2364-1046			1	£6.92
Mixed Neon*	E2364-6048			5	£30.29
<p>Double-sided!</p>	<p>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)</p>			Natural	E2396-0010
		Blue	E2396-0011	1	£9.54
		Green	E2396-0012	1	£9.54
		Orange	E2396-0013	1	£9.54
		Red	E2396-0014	1	£9.54
		Violet	E2396-0015	1	£9.54
		Yellow	E2396-0016	1	£9.54
		Black	E2396-0018	1	£9.54
		Mixed**	I2396-5099	5	£44.24
		Neon Blue	E2396-0041	1	£9.54
		Neon Green	E2396-0042	1	£9.54
		Neon Orange	E2396-0043	1	£9.54
		Neon Pink	E2396-0044	1	£9.54
		Neon Yellow	E2396-0046	1	£9.54
		Mixed Neon*	I2396-5048	5	£44.24




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



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
 <p>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</p> 		Natural	E2345-1000	1	£6.32
		Neon Blue	E2345-1041	1	£6.32
		Neon Green	E2345-1042	1	£6.32
		Neon Orange	E2345-1043	1	£6.32
		Neon Pink	E2345-1044	1	£6.32
		Neon Yellow	E2345-1046	1	£6.32
		Mixed Neon*	E2345-1099	5	£30.29
	<p>Two slightly different versions available, both designed to hold an array of tubes</p>  <p>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</p> <p>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</p>		Natural	E2346-1000	1
		Neon Blue	E2346-1041	1	£18.36
		Neon Green	E2346-1042	1	£18.36
		Neon Orange	E2346-1043	1	£18.36
		Neon Pink	E2346-1044	1	£18.36
		Neon Yellow	E2346-1046	1	£18.36
		Mixed Neon*	E2346-1099	5	£88.47
		Blue	E2347-1001	1	£18.36
		Green	E2347-1002	1	£18.36
		Orange	E2347-1003	1	£18.36
		Red	E2347-1004	1	£18.36
		Violet	E2347-1005	1	£18.36
		Mixed**	E2347-1099	5	£88.47

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																
 	<p>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.</p> <p>Suitable for use with:</p> <table border="0"> <tr> <td>50 ml tubes (max. 30 mm ø)</td> <td>2 tubes per section</td> </tr> <tr> <td>15 ml tubes (max. 18 mm ø)</td> <td>8 tubes per section</td> </tr> <tr> <td>1.5/2.0 ml tubes (max. 11 mm ø)</td> <td>12 tubes per section</td> </tr> <tr> <td>0.5 ml tubes (max. 8.0 mm ø)</td> <td>6 tubes per section</td> </tr> <tr> <td>PCR Plate</td> <td>1 plate across 2 sections</td> </tr> <tr> <td>8-Tube PCR Strips</td> <td>6 strips per section</td> </tr> <tr> <td>12-Tube PCR Strips</td> <td>8 strips across 2 sections</td> </tr> <tr> <td>0.2ml PCR Tubes</td> <td>48 tubes per section</td> </tr> </table> <p>Dimensions (WxDxH): 257 x 108 x 108 mm (combined) 69 x 108 x 108 mm (individual section)</p>	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	Yellow, Blue, Green & Red	E2344-1099	1	£32.91
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																				


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
	<p>Three-Tier Multi Tube Rack</p> <p>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.</p> <p>Racks can be used individually or connected side by side (as shown).</p> <p>Dimensions (WxDxH): 123 x 164 x 62 mm.</p>	Mixed (Contains one each of: Blue, Green, Violet, Yellow, Orange, Natural)	E2313-1009	6	£22.77


Tubes not included.

Totally Tubular™					
	Description	Colour	Cat. No.	Pack Size	Price
	<p>Totally Tubular™</p> <p>Comprises four, 29-place polypropylene racks in a support tray. Suitable for use with:</p> <ul style="list-style-type: none"> 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) <p>Ind. rack dimensions (WxDxH): 93 x 93 x 48 mm</p>	Yellow Blue Green Red	12344-1000	1 Tray, 4 Cubes	£31.60
		Neon Green Neon Orange Neon Pink Neon Yellow	12344-1040	1 Tray, 4 Cubes	£32.91

Tubes not included.

PCR Sample Racks

StarPCR Work Rack					
	Description	Colour	Cat. No.	Pack Size	Price
	<p>StarPCR work rack</p> <p>96-place polypropylene rack for use with: 1 x 96-well PCR plate or 0.2 ml PCR tubes or strips</p> <p>Positive snap-in transparent lid guarantees safe closure. Stackable with or without lid. Suitable for use down to -90 °C</p> <p>Dimensions (WxDxH): 138 x 98 x 39 mm (with lid) NOTE: Not autoclavable</p>	Mixed (contains one each of Blue, Green, Red, Violet, Yellow)	E2396-5240	5	£36.61

Double-Sided PCR Work Rack					
	Description	Colour	Cat. No.	Pack Size	Price
<p>Hinged lid!</p> 	<p>Double-sided PCR work rack</p> <p>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.</p> <p>Detachable, transparent hinged lid. Temperature use: -90 °C to 121 °C. Autoclavable. Dimensions (WxDxH): 206 x 131 x 54 mm (with lid).</p>	Mixed (contains one each of Blue, Green, Orange Pink, Yellow)	E2396-0599	5	£36.61

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	£5.72
		Neon Green	E2396-1642	1	£5.72
		Neon Orange	E2396-1643	1	£5.72
		Neon Pink	E2396-1644	1	£5.72
		Neon Yellow	E2396-1646	1	£5.72
		Mixed Neon*	E2396-9649	5	£26.59
	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	£12.64
		Neon Green	E2396-1652	1	£12.64
		Neon Orange	E2396-1653	1	£12.64
		Neon Pink	E2396-1654	1	£12.64
		Neon Yellow	E2396-1656	1	£12.64
		Mixed Neon*	E2396-9659	5	£59.38
	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	£18.36
		Neon Green**	E2396-9692	1+1	£18.36
		Neon Orange**	E2396-9693	1+1	£18.36
		Neon Pink**	E2396-9694	1+1	£18.36
		Neon Yellow**	E2396-9696	1+1	£18.36
		Mixed Neon***	E2396-9669	5+5	£85.97

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	£28.50

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: 0.2ml single or strip PCR tubes, or 0.2ml 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	£50.00
		Yellow (warm) Green (cold)	E2396-2006	2	£50.00
	StarChill MCT 24-well rack with lid, for use with: 0.5, 1.5 & 2.0ml 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	£44.24
		Yellow (warm) Green (cold)	E2396-5636	1	£44.24
	StarChill SBS 96-well rack without lid, for use on AUTOMATED SYSTEMS with: 0.2ml single or strip PCR tubes, or or a 0.2ml 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	£46.74
		Yellow (warm) Green (cold)	E2396-5656	2	£46.74

*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				
Cat. No.	Description	Dimensions (WxDxH)	Pack Size	Price
E2396-6002	1 Litre Square Cooler Container, Green	270 x 195 x 115 mm	1	£86.26
E2396-6008	4 Litre Round Cooler Container, Black	235 Ø x 180 mm	1	£86.27
E2396-6001	4 Litre Oblong Cooler Container, Blue	380 x 250 x 140 mm	1	£86.26
E2396-6004	9 Litre Oblong Cooler Container, Red	521 x 295 x 165 mm	1	£112.80

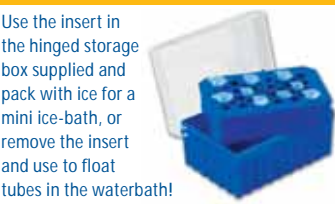
Rack/Tubes not included. Note: Not autoclavable or microwavable.

Transport Cases & Coolers

Transport Cases & Coolers					
	Description	Colour	Cat. No.	Pack Size	Price
 <p>Protects valuable enzymes from temperature fluctuation due to frost-free cycles, power loss or open freezer doors</p>	<p>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</p>	Black	16348-1515	1	£254.36
 <p>Protects cells & biologicals stored in -70 °C freezers. Use for added protection when shipping valuable samples on dry ice</p>	<p>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 minimum of 24 hours before use. Not autoclavable</p>	Black	16342-4270	1	£254.36
 <p>Perfect for the transportation of a small number of samples</p>	<p>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 minimum of 24 hours before use. Not autoclavable</p>	Silver	16308-1515	1	£88.72
 <p>Maintain low-temperature storage of reagents, cells and enzymes removed from the freezer</p>	<p>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</p>	White (0°C Rack)	12312-2720	1	£70.36
		Blue (-20°C Rack)	12312-2721	1	£70.36


Tubes not included.

Ice Bath / Floating Rack

Ice Bath / Floating Rack					
	Description	Colour	Cat. No.	Pack Size	Price
 <p>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!</p>	<p>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</p>	Blue	12324-5000	5	£44.57

Tubes not included.

Stainless Steel Freezer Storage

Stainless Steel Tube Racks						
	Cat. No	Description	Use With:	Max. Cap Ø	Dimensions (WxDxH)	Price Each
 <p>Mirror-finish stainless steel (SS) tube racks for use on the bench or in the fridge or freezer.</p>	I2671-7211	72-Place SS Rack (11mm Ø holes)	Microcentrifuge Tubes, Screw Cap Microtubes	20 mm	252 x 125 x 30 mm	£37.92
	I2671-5013	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	£53.06
	I2671-7814	78-Place SS Rack (14 mm Ø holes)	Vacutainers (13mm)	18 mm	252 x 125 x 60 mm	£59.38
	I2671-5018	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	£53.06
	I2671-5020	50-Place SS Rack (20 mm Ø holes)	7.0 ml Bijou Containers	24 mm	255 x 130 x 30 mm	£45.55
	I2671-7030	70-place SS Rack (30 mm Ø holes)	30 ml Universal Containers	30 mm	268 x 377 x 45 mm	£80.00
	I2671-2825	28-Place SS Rack (25 mm Ø holes)	30 ml Universal Containers	35 mm	252 x 145 x 80 mm	£53.06
	I2671-2830	28-Place SS Rack (30 mm Ø holes)	50 ml Centrifuge Tubes	35 mm	252 x 145 x 80 mm	£53.06

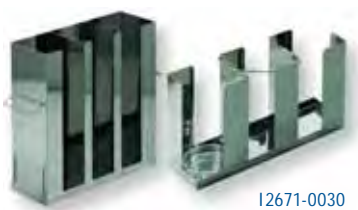
New!

Tubes not included.

Stainless steel petri dish racks

Petri dish racks with open or solid back. 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 stainless steel inserts which fit into each of the compartments to enable the storage of 50 mm/60 mm dishes. Use on the bench or in the fridge or freezer.

I2671-0057



I2671-0030

Stainless Steel Petri Dish Racks			
Cat. No.	Description	Dimensions (WxDxH)	Price Each
Open Racks			
I2671-0060	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	£79.77
I2671-0030	Petri Dish Rack for 30 x 100 mm Ø Dishes	324 x 110 x 167 mm	£51.75
Solid Rack			
I2671-0057	Petri Dish Rack for 57 x 100 mm Ø Petri Dishes	324 x 110 x 314 mm	£94.79

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 142

Stainless Steel Bins			
Cat. No.	Description	Dimensions (WxDxH)	Price Each
I2671-3911	139 mm Wide Stainless Steel Bin with Lid (420 x 225)	139 x 420 x 225 mm	£117.53
I2671-3912	139 mm Wide Stainless Steel Bin with Lid (560 x 225)	139 x 560 x 225 mm	£123.27
I2671-3913	139 mm Wide Stainless Steel Bin with Lid (560 x 280)	139 x 560 x 280 mm	£129.00
I2671-3914	139 mm Wide Stainless Steel Bin with Lid (560 x 325)	139 x 560 x 325 mm	£134.74
I2671-3915	139 mm Wide Stainless Steel Bin with Lid (560 x 385)	139 x 560 x 385 mm	£140.47
I2671-3916	139 mm Wide Stainless Steel Bin with Lid (680 x 225)	139 x 680 x 225 mm	£129.00
I2672-7811	278 mm Wide Stainless Steel Bin with Lid (420 x 225)	278 x 420 x 225 mm	£134.74
I2672-7812	278 mm Wide Stainless Steel Bin with Lid (420 x 280)	278 x 420 x 280 mm	£140.47
I2672-7813	278 mm Wide Stainless Steel Bin with Lid (560 x 225)	278 x 560 x 225 mm	£140.47
I2672-7814	278 mm Wide Stainless Steel Bin with Lid (560 x 280)	278 x 560 x 280 mm	£146.21
I2672-7815	278 mm Wide Stainless Steel Bin with Lid (560 x 325)	278 x 560 x 325 mm	£151.94
I2672-7816	278 mm Wide Stainless Steel Bin with Lid (680 x 225)	278 x 680 x 225 mm	£146.21

Freezer Racking for Upright Freezers

Stainless steel racking

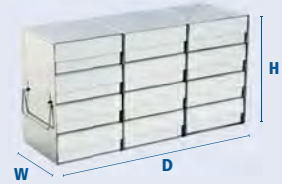
Stainless steel provides the highest quality freezer racking. Stainless steel racks are available with side access or with pull-out shelves.

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

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



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

Suitable for use with:

- ▶ 50mm high cardboard storage boxes, pages 124 and 125
- ▶ StarStore 130 x 130mm range of storage boxes, page 126
- ▶ Cryogenic storage boxes (except 25-place and 81-Place Tall), pages 129–130
- ▶ Expanding work rack on page 131
- ▶ StarRack 64, page 133
- ▶ 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

Cat. No.	Description	Boxes Deep	Boxes High	Dimensions (WxDxH)	Price Each
I2602-3300	9-Place SS Rack	3	3	139 x 419 x 168 mm	£114.67
I2602-3400	12-Place SS Rack	3	4	139 x 419 x 221 mm	£117.54
I2602-3500	15-Place SS Rack	3	5	139 x 426 x 276 mm	£109.41
I2602-4300	12-Place SS Rack	4	3	139 x 558 x 168 mm	£117.53
I2602-4400	16-Place SS Rack	4	4	139 x 558 x 221 mm	£120.67
I2602-4500	20-Place SS Rack	4	5	139 x 558 x 276 mm	£123.27
I2602-4600	24-Place SS Rack	4	6	139 x 558 x 331 mm	£141.90
I2602-4700	28-Place SS Rack	4	7	139 x 558 x 386 mm	£147.64
I2602-5300	15-Place SS Rack	5	3	139 x 697 x 168 mm	£134.74
I2602-5400	20-Place SS Rack	5	4	139 x 697 x 221 mm	£139.04
I2602-5500	25-Place SS Rack	5	5	139 x 697 x 276 mm	£147.64
I2602-5600	30-Place SS Rack	5	6	139 x 697 x 331 mm	£153.37

Boxes not included.

Aluminium Racks with Side Access for Upright Freezers

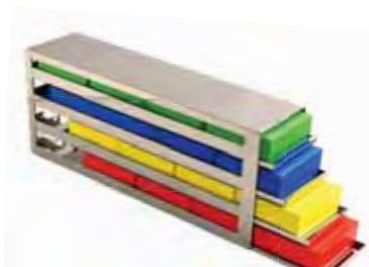
Cat. No.	Description	Boxes Deep	Boxes High	Dimensions (WxDxH)	Price Each
I2612-3300	9-Place Aluminium Rack	3	3	139 x 419 x 168 mm	£97.47
I2612-3400	12-Place Aluminium Rack	3	4	139 x 419 x 221 mm	£100.34
I2612-3500	15-Place Aluminium Rack	3	5	139 x 426 x 276 mm	£103.20
I2612-4300	12-Place Aluminium Rack	4	3	139 x 558 x 168 mm	£100.34
I2612-4400	16-Place Aluminium Rack	4	4	139 x 558 x 221 mm	£103.20
I2612-4500	20-Place Aluminium Rack	4	5	139 x 558 x 276 mm	£104.63
I2612-4600	24-Place Aluminium Rack	4	6	139 x 558 x 331 mm	£120.41
I2612-4700	28-Place Aluminium Rack	4	7	139 x 558 x 386 mm	£126.14
I2612-5300	15-Place Aluminium Rack	5	3	139 x 697 x 168 mm	£114.67
I2612-5400	20-Place Aluminium Rack	5	4	139 x 697 x 221 mm	£117.53
I2612-5500	25-Place Aluminium Rack	5	5	139 x 697 x 276 mm	£126.14
I2612-5600	30-Place Aluminium Rack	5	6	139 x 697 x 331 mm	£130.43

Boxes not included.



I2612-4500
Aluminium rack with side access

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 140 for the storage boxes that can be used in this racking.

Stainless Steel Racks with Pull Out Shelves for Upright Freezers					
Cat. No.	Description	Boxes Deep	Boxes High	Dimensions (WxDxH)	Price Each
I2632-3300	9-Place SS Rack, Pull Out Shelves	3	3	140 x 421 x 171 mm	£194.47
I2632-3400	12-Place SS Rack, Pull Out Shelves	3	4	140 x 421 x 228 mm	£197.81
I2632-3500	15-Place SS Rack, Pull Out Shelves	3	5	140 x 421 x 285 mm	£212.14
I2632-4300	12-Place SS Rack, Pull Out Shelves	4	3	140 x 558 x 171 mm	£194.94
I2632-4400	16-Place SS Rack, Pull Out Shelves	4	4	140 x 558 x 228 mm	£200.68
I2632-4500	20-Place SS Rack, Pull Out Shelves	4	5	140 x 558 x 285 mm	£212.14
I2632-4600	24-Place SS Rack, Pull Out Shelves	4	6	140 x 558 x 340 mm	£223.61
I2632-4700	28-Place SS Rack, Pull Out Shelves	4	7	140 x 558 x 398 mm	£235.08
I2632-5300	15-Place SS Rack, Pull Out Shelves	5	3	140 x 696 x 171 mm	£212.14
I2632-5400	20-Place SS Rack, Pull Out Shelves	5	4	140 x 696 x 228 mm	£223.61
I2632-5500	25-Place SS Rack, Pull Out Shelves	5	5	140 x 696 x 285 mm	£235.08
I2632-5600	30-Place SS Rack, Pull Out Shelves	5	6	140 x 696 x 340 mm	£246.54

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 storage boxes on pages 124–125.

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 127).

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



StarStore 100 storage boxes for use in these racks are available on page 127

Stainless Steel Racks with Side Access for Upright Freezers (StarStore 100)					
Cat. No.	Description	Boxes Deep	Boxes High	Dimensions (WxDxH)	Price Each
I2610-0800	8-Place SS Rack	2	4	160 x 300 x 240 mm	£126.39
I2610-1200	12-Place SS Rack	3	4	160 x 452 x 240 mm	£151.67
I2610-1500	15-Place SS Rack	3	5	160 x 452 x 300 mm	£157.99

Stainless Steel Racks, Pull Out Shelves for Upright Freezers (StarStore 100)					
Cat. No.	Description	Boxes Deep	Boxes High	Dimensions (WxDxH)	Price Each
I2610-0920	9-Place SS Rack, Pull Out Shelves	3	3	165 x 450 x 187 mm	£189.58
I2610-1220	12-Place SS Rack, Pull Out Shelves	3	4	165 x 450 x 248 mm	£227.50
I2610-1620	16-Place SS Rack, Pull Out Shelves	4	4	165 x 596 x 248 mm	£252.78

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)					
Cat. No.	Description	Boxes Deep	Boxes High	Dimensions (WxDxH)	Price Each
I2611-1200	12-Place SS Rack, Shallow Pull Out Shelves	3	4	155 x 559 x 235 mm	£149.90
I2611-1500	15-Place SS Rack, Shallow Pull Out Shelves	3	5	155 x 559 x 294 mm	£170.34
I2611-1600	16-Place SS Rack, Shallow Pull Out Shelves	4	4	155 x 673 x 235 mm	£170.34
I2611-2000	20-Place SS Rack, Shallow Pull Out Shelves	4	5	155 x 673 x 300 mm	£198.73
I2611-2100	21-Place SS Rack, Shallow Pull Out Shelves	3	7	155 x 559 x 410 mm	£221.44
I2611-2400	24-Place SS Rack, Shallow Pull Out Shelves	4	6	155 x 673 x 360 mm	£238.47

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.



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 / 2.0ml micro-centrifuge or screw cap tubes.



Also available for chest freezers.
Contact STARLAB for details.

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



Stainless Steel Bin Racks for Upright Freezers			
Cat. No.	Description	Dimensions (WxDxH)	Price Each
I2671-3921	139mm Wide 2-Bin Stainless Steel Rack (420 x 225)	139 x 420 x 225 mm	£197.81
I2671-3922	139mm Wide 2-Bin Stainless Steel Rack (560 x 225)	139 x 560 x 225 mm	£209.28
I2671-3923	139mm Wide 2-Bin Stainless Steel Rack (560 x 280)	139 x 560 x 280 mm	£223.61
I2671-3924	139mm Wide 2-Bin Stainless Steel Rack (560 x 385)	139 x 560 x 385 mm	£246.54
I2671-3925	139mm Wide 2-Bin Stainless Steel Rack (680 x 280)	139 x 680 x 280 mm	£232.20
I2672-7821	278mm Wide 2-Bin Stainless Steel Rack (420 x 225)	278 x 420 x 225 mm	£250.84
I2672-7822	278mm Wide 2-Bin Stainless Steel Rack (560 x 225)	278 x 560 x 225 mm	£265.18
I2672-7823	278mm Wide 2-Bin Stainless Steel Rack (560 x 280)	278 x 560 x 280 mm	£265.18
I2672-7824	278mm Wide 2-Bin Stainless Steel Rack (560 x 385)	278 x 560 x 385 mm	£308.17
I2672-7825	278mm Wide 2-Bin Stainless Steel Rack (680 x 280)	278 x 680 x 280 mm	£293.84

See also the single, stainless steel bins on page 139

Stainless Steel Racks for Upright Freezers (1.5/2.0ml Tubes)						
Cat. No.	Description	Trays High	Tubes per Rack	Max. Tube Height	Dimensions (WxDxH)	Price Each
I2670-1680	4-Tray SS Rack	4	1680	57 mm	140 x 556 x 235 mm	£265.89
I2670-2100	5-Tray SS Rack	5	2100	54 mm	140 x 556 x 280 mm	£313.11
I2670-2940	7-Tray SS Rack	7	2940	57 mm	140 x 556 x 410 mm	£423.76
I2670-1848	4-Tray SS Rack	4	1848	57 mm	160 x 556 x 235 mm	£280.44
I2670-2310	5-Tray SS Rack	5	2310	54 mm	160 x 556 x 280 mm	£330.52
I2670-3234	7-Tray SS Rack	7	3234	57 mm	160 x 556 x 410 mm	£447.01
I2670-1760	4-Tray SS Rack	4	1760	57 mm	140 x 595 x 235 mm	£271.02
I2670-2200	5-Tray SS Rack	5	2200	54 mm	140 x 595 x 280 mm	£319.79
I2670-3080	7-Tray SS Rack	7	3080	57 mm	140 x 595 x 410 mm	£429.49
I2670-1936	4-Tray SS Rack	4	1936	57 mm	160 x 595 x 235 mm	£288.67
I2670-2420	5-Tray SS Rack	5	2420	54 mm	160 x 595 x 280 mm	£341.49
I2670-3388	7-Tray SS Rack	7	3388	57 mm	160 x 595 x 410 mm	£458.82

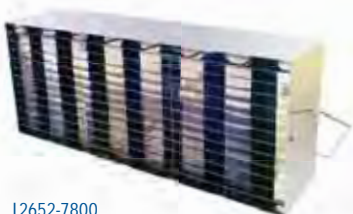
Tubes not included. IMPORTANT NOTE: The image on the left is for illustrative purposes only. All racks will be supplied with the same colour divider in each tray. Although the colour of the dividers supplied may not be able to be guaranteed, please state your colour choice when ordering: blue, green,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

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)				
Cat. No.	Description	Shelves	Dimensions (WxDxH)	Price Each
I2615-1000	60-Place SS Rack for 15 ml Tubes	1	140 x 419 x 126 mm	£235.00
I2615-3600	120-Place SS Rack for 15 ml Tubes	2	140 x 419 x 252 mm	£189.58
I2615-2600	160-Place SS Rack for 15 ml Tubes	2	140 x 559 x 252 mm	£208.54
I2650-3600	60-Place SS Rack for 50 ml Tubes	2	140 x 419 x 252 mm	£189.58
I2650-2600	78-Place SS Rack for 50 ml Tubes	2	140 x 559 x 252 mm	£208.54

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



I2652-7800

In the rack with 45mm high compartment, you can stack one deepwell plate per compartment, or four 10mm high plates per compartment

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.

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

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

*Based on one plate per compartment.

Aluminium Racks, Side Access for Upright Freezers (Plates)

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

Cat. No.	Description	Shelf Height	Shelves per Rack	Plates per Shelf	Dimensions (WxDxH)	Price Each
I2653-4500	45-Place SS Rack for Low-Profile Plates, Pull Out Shelves	16 mm	9	5	135 x 450 x 153 mm	£451.52
I2653-7800	78-Place SS Rack for Low-Profile Plates, Pull Out Shelves	16 mm	13	6	135 x 540 x 221 mm	£494.52
I2653-1120	112-Place SS Rack for Low-Profile Plates, Pull Out Shelves	16 mm	16	7	135 x 630 x 272 mm	£544.69
I2653-3000	30-Place SS Rack for Microplates, Pull Out Shelves	25 mm	6	5	135 x 450 x 159 mm	£351.18
I2653-4800	48-Place SS Rack for Microplates, Pull Out Shelves	25 mm	8	6	135 x 540 x 212 mm	£450.82
I2653-6000	60-Place SS Rack for Microplates, Pull Out Shelves	25 mm	10	6	135 x 540 x 265 mm	£482.62
I2653-2000	20-Place SS Rack for Deepwell Plates, Pull Out Shelves	45 mm	4	5	135 x 450 x 186 mm	£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 124–125
- ▶ StarStore 130 x 130mm range of storage boxes, page 126
- ▶ Cryogenic storage boxes (except 25-place and 81-Place Tall), pages 129–130
- ▶ Expanding work rack, page 131
- ▶ StarRack 64, page 133
- ▶ Any storage box up to 136 x 136 x 55 mm

Stainless steel racking with locking rod to hold boxes in place



12602-6000

Stainless steel racking with spring lock to hold boxes in place



12612-1100



Stainless Steel Locking Rod Racks for Chest Freezers

Cat. No.	Description	Dimensions (WxDxH)	Price Each
12602-3000	3-High SS Rack, Locking Rod	140 x 140 x 170mm	£81.70
12602-5000	5-High SS Rack, Locking Rod	140 x 140 x 280mm	£84.57
12602-6000	6-High SS Rack, Locking Rod	140 x 140 x 335mm	£86.01
12602-7000	7-High SS Rack, Locking Rod	140 x 140 x 390mm	£90.30
12602-8000	8-High SS Rack, Locking Rod	140 x 140 x 445mm	£101.11
12602-9000	9-High SS Rack, Locking Rod	140 x 140 x 500mm	£104.35
12602-1000	10-High SS Rack, Locking Rod	140 x 140 x 555mm	£96.04
12602-1100	11-High SS Rack, Locking Rod	140 x 140 x 610mm	£97.47
12602-1200	12-High SS Rack, Locking Rod	140 x 140 x 665mm	£98.90
12602-1300	13-High SS Rack, Locking Rod	140 x 140 x 720mm	£102.04

Boxes not included.

Stainless Steel Spring Lock Racks for Chest Freezers

Cat. No.	Description	Dimensions (WxDxH)	Price Each
12613-3000	3-High SS Rack, Spring Lock	140 x 140 x 170mm	£88.87
12613-5000	5-High SS Rack, Spring Lock	140 x 140 x 280mm	£93.17
12613-6000	6-High SS Rack, Spring Lock	140 x 140 x 335mm	£96.04
12613-7000	7-High SS Rack, Spring Lock	140 x 140 x 390mm	£98.91
12613-8000	8-High SS Rack, Spring Lock	140 x 140 x 445mm	£104.63
12613-9000	9-High SS Rack, Spring Lock	140 x 140 x 500mm	£120.10
12613-1000	10-High SS Rack, Spring Lock	140 x 140 x 555mm	£110.37
12613-1100	11-High SS Rack, Spring Lock	140 x 140 x 610mm	£114.67
12613-1200	12-High SS Rack, Spring Lock	140 x 140 x 665mm	£118.97
12613-1300	13-High SS Rack, Spring Lock	140 x 140 x 720mm	£121.84

Boxes not included.

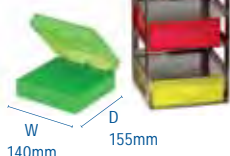
Aluminium Racks for Chest Freezers

Cat. No.	Description	Dimensions (WxDxH)	Price Each
12612-3000	3-High Aluminium Rack	140 x 140 x 170mm	£70.24
12612-5000	5-High Aluminium Rack	140 x 140 x 280mm	£71.67
12612-6000	6-High Aluminium Rack	140 x 140 x 335mm	£73.10
12612-7000	7-High Aluminium Rack	140 x 140 x 390mm	£75.97
12612-8000	8-High Aluminium Rack	140 x 140 x 445mm	£78.83
12612-9000	9-High Aluminium Rack	140 x 140 x 500mm	£80.27
12612-1000	10-High Aluminium Rack	140 x 140 x 555mm	£81.70
12612-1100	11-High Aluminium Rack	140 x 140 x 610mm	£83.14
12612-1200	12-High Aluminium Rack	140 x 140 x 665mm	£84.57
12612-1300	13-High Aluminium Rack	140 x 140 x 720mm	£87.44

Boxes not included.

StarStore 100 storage boxes are available on page 127

The racking has a locking rod to hold boxes in place



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 127). Locking bar secures boxes in place.

Stainless Steel Racks for Chest Freezers for StarStore 100 Boxes

Cat. No.	Description	Dimensions (WxDxH)	Price Each
I2610-1800	8-High SS Rack for StarStore 100	147 x 159 x 479 mm	£107.43
I2610-1900	9-High SS Rack for StarStore 100	147 x 159 x 538 mm	£113.75
I2610-2000	10-High SS Rack for StarStore 100	147 x 159 x 596 mm	£120.07
I2610-2100	11-High SS Rack for StarStore 100	147 x 159 x 655 mm	£126.39
I2610-2200	12-High SS Rack for StarStore 100	147 x 159 x 714 mm	£132.71

Boxes not included. Suitable for use with StarStore 100 Storage Boxes (page 127).

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 129). The racking can be used in the freezer or submerged in liquid nitrogen.

Stainless Steel Racks for Chest Freezers (25-Place)

Cat. No.	Description	Dimensions (WxDxH)	Price Each
I2602-1325	13-High SS Rack for 25-Place Cryogenic Storage Box	82 x 86 x 750 mm	£120.07

Storage boxes not included. Suitable for use with 25-place cryogenic storage boxes (page 129).

Stainless Steel Racks for Chest Freezers (81-Place Tall)

Cat. No.	Description	Dimensions (WxDxH)	Price Each
I2602-3081	3-High SS Rack for 81-Place Tall Cryogenic Storage Box	140 x 140 x 320 mm	£86.01
I2602-4081	4-High SS Rack for 81-Place Tall Cryogenic Storage Box	140 x 140 x 425 mm	£90.30
I2602-5081	5-High SS Rack for 81-Place Tall Cryogenic Storage Box	140 x 140 x 530 mm	£96.04
I2602-6081	6-High SS Rack for 81-Place Tall Cryogenic Storage Box	140 x 140 x 635 mm	£100.34

Suitable for use with 81-place tall cryogenic storage boxes (page 129) or any other storage box up to (WxDxH) 136 x 136 x 100 mm.



I2602-1325

I2602-5081

Stainless steel racking with locking rod to hold boxes in place

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

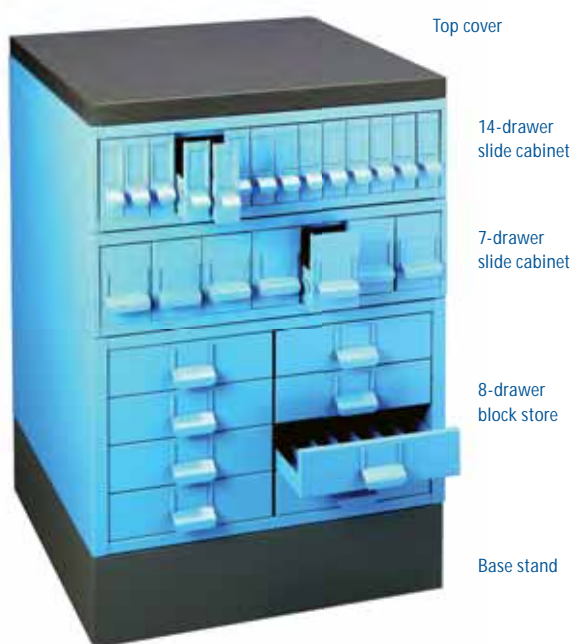
For custom-made racking, we need the following info:

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

Contact STARLAB with your requirements and we will provide 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 480mm 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 26mm) microscope slides
- ▶ **7-drawer cabinet:** Holds larger (76 x 50mm) slides or larger wax blocks
- ▶ **8-drawer block store:** Holds blocks and cassettes (approx. 3000). Each drawer has seven rows of 30mm width sections
- ▶ **Base stand**

Slide Storage Cabinets				
Cat. No.	Description	Colours Available*	Dimensions (WxDxH)	Price Each
E1500-10##	Top Cover for Slide Storage Cabinets	Blue, Green, Black	480 x 480 x 25 mm	£68.13
E1500-11##	14-Drawer Slide Cabinet**	Blue, Green	480 x 480 x 140 mm	£329.32
E1500-12##	7-Drawer Slide Cabinet**	Blue, Green	480 x 480 x 140 mm	£306.61
E1500-13##	8-Drawer Block Store	Blue, Green	480 x 480 x 280 mm	£391.77
E1500-1408	Base Stand	Black	480 x 480 x 130 mm	£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	Cat. No.	Pack Size	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.	20 Slides	E1500-2009	10	£29.09
	Dimensions (WxDxH): 20-Place: 208 x 341 x 9 mm. 30-Place: 281 x 328 x 10 mm	30 Slides	E1500-3009	10	£50.56

www.starlab.click/slidestorage

StarFolder Slide Storage Tray					
	Description	Colour	Cat. No.	Pack Size	Price
	StarFolder slide storage tray Holds 20 standard slides in numbered, horizontal slots. Transparent doors cover the slides while still allow visual access and barcode reading. The doors can be swung round the back of the folder completely out of the way if required. Temperature use: -80°C to 80°C. (Not Autoclavable). Dimensions (WxDxH): 192 x 292 x 11 mm.	Blue	E1500-0031-C	10	£83.46
		Green	E1500-0032-C	10	£83.46
		Yellow	E1500-0036-C	10	£83.46
		Grey	E1500-0038-C	10	£83.46
		White	E1500-0039-C	10	£83.46
		Mixed*	E1500-0099-C	10	£83.46

Slides not included. *Mixed pack contains two of each colour.

Slide Storage Boxes



StarFile storage system

A stackable slide storage filing system, comprising slide box with a transparent, hinged lid and a removable draining rack.

- ▶ Made from impact resistant acetal polymer
- ▶ Stores slides vertically
- ▶ Slides can be tilted forward/back for easy selection, or to read barcodes without having to remove the slides
- ▶ Each box supplied with two index cards
- ▶ Temperature use: -80°C to 80 °C
- ▶ Available in two sizes

StarFile: Storage box and drain rack tray with **100 numbered slots**. Slots can hold two slides if required, or 400 slides can be stored in three rows in the box without drain rack.

StarFile Jr: Storage box and drain rack tray with **50 numbered slots**. Slots can hold two slides if required, or 200 slides can be stored in three rows in the box without drain rack.

Slide Storage Boxes				
Cat. No.	Description	Colour	Pack Size	Price
StarFile				
E1500-0011-C	StarFile Slide Box with Drain Rack	Blue	10	£82.15
E1500-0012-C	StarFile Slide Box with Drain Rack	Green	10	£82.15
E1500-0014-C	StarFile Slide Box with Drain Rack	Pink	10	£82.15
E1500-0016-C	StarFile Slide Box with Drain Rack	Yellow	10	£82.15
E1500-0019-C	StarFile Slide Box with Drain Rack	White	10	£82.15
StarFile Jr				
E1500-0021-C	StarFile Jr Slide Box with Drain Rack	Blue	10	£60.69
E1500-0022-C	StarFile Jr Slide Box with Drain Rack	Green	10	£60.69
E1500-0024-C	StarFile Jr Slide Box with Drain Rack	Pink	10	£58.96
E1500-0026-C	StarFile Jr Slide Box with Drain Rack	Yellow	10	£58.96
E1500-0029-C	StarFile Jr Slide Box with Drain Rack	White	10	£58.96

Slides not included. Dimensions (WxDxH): StarFile: 82 x 245 x 86 mm (Drain Rack: 75 x 231 x 25 mm).
 StarFile Jr: 82 x 140 x 86 mm (Drain Rack: 75 x 125 x 25 mm). NOTE: These storage boxes are not autoclavable.

Slide Staining

StarStain slide staining system

The StarStain slide staining system comprises two units available separately: slide staining jars and slide draining racks. A slide staining kit is also available.



Staining Racks

Slide staining jars

- ▶ Connect side by side to ensure they are kept in the same order
- ▶ Made from acetal plastic which resists most staining agents, including alcohol and xylene (but not phenol)
- ▶ Wide base for benchtop stability
- ▶ Internal recess for a smaller, more economical reagent volume (80 ml)
- ▶ Temperature use: -170°C to 121°C
- ▶ Autoclavable



Slide staining rack

- ▶ Rapid draining for up to 12 slides
- ▶ Slides are placed vertically – no staining of the writing area!
- ▶ Handle for easy insertion/removal into the Staining Jar, without fingers touching the solution
- ▶ Temperature use: -170°C to 121°C
- ▶ Autoclavable

Slide Staining				
Cat. No.	Description	Colour	Pack Size	Price
E1500-0041-C	StarStain Slide Staining Jar	Blue	6	£65.70
E1500-0042-C	StarStain Slide Staining Jar	Green	6	£65.70
E1500-0044-C	StarStain Slide Staining Jar	Pink	6	£65.70
E1500-0046-C	StarStain Slide Staining Jar	Yellow	6	£65.70
E1500-0049-C	StarStain Slide Staining Jar	White	6	£65.70
E1500-0058-C	StarStain Staining Rack	Grey	6	£72.02
E1500-0048-C	StarStain Slide Staining Kit Comprises: 5 x Slide Staining Jars and 1 x Staining Rack	Various	6	£69.51

Slides not included.

Dimensions (WxDxH): Staining Jars: 64 x 76 x 92 mm / Staining Rack: 60 x 64 x 97 mm.

Slide Mailers

Holds 5 slides

Internal slotted channels keep slides separated



Holds 2 slides

Internal recess keeps slides secure



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

End-Opening Slide Mailers				
Cat. No.	Description	Colour	Pack Size	Price
E1500-4000	End-Opening Slide Mailer	Natural	25	£15.14
E1500-4099	End-Opening Slide Mailer	Mixed*	25	£15.14

Slides not included. *Mixed pack contains five each of: Blue, Orange, Red, Violet, Yellow.

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

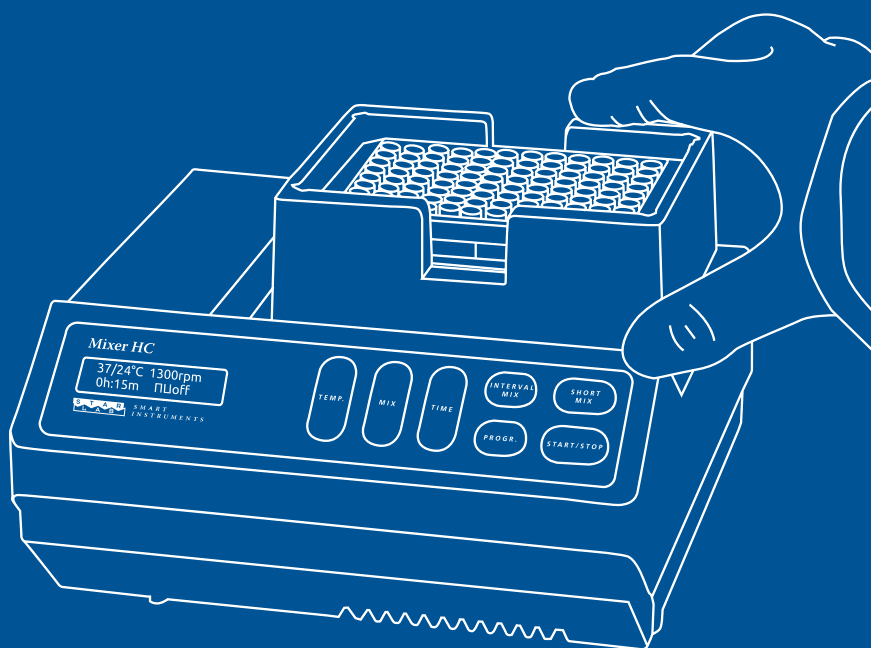
2-Place Slide Mailers				
Cat. No.	Description	Colour	Pack Size	Price
E1400-2099	2-Place Slide Mailer	Mixed*	25	£14.31

Slides not included. *Mixed pack contains five each of: Blue, Orange, Red, Violet, Yellow.

Dimensions (WxDxH): 68 x 93 x 5 mm.

Easy to use!

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



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Mixer HC



Mixing! Heating! Cooling! - all combined in one instrument for maximum flexibility during sample preparation

The new Mixer HC is suitable for a wide range of applications due a selection of exchangeable thermoblocks available for all commonly used vials and plates. The powerful motor mixes up to 1500rpm 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.

Ideal for a broad range of applications

- ▶ Purification of plasmids, DNA, RNA
- ▶ cDNA synthesis
- ▶ Enzyme reactions (restriction digest, ligations, proteinase-K-digestion)
- ▶ Denaturation of DNA, RNA, proteins
- ▶ Labeling of DNA, RNA, proteins
- ▶ Cultivation of bacteria in microcentrifuge tubes, centrifuge tubes and deepwell plates
- ▶ Transformation of bacteria and plasmids
- ▶ Resuspension of pellets

Product features

- ▶ Mixing, heating and cooling combined in one instrument
- ▶ Nine 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
- ▶ Digital display for precise adjustment and easy reading of selected parameters
- ▶ 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 protocols



www.starlab.click/mixerhc

Nine exchangeable thermoblocks for maximum flexibility

- ▶ 0.5 ml microcentrifuge tubes (x24)
- ▶ 1.5 ml microcentrifuge tubes (x24)
- ▶ 2.0 ml microcentrifuge tubes (x24)
- ▶ Microtubes, diameter 12 mm (x24)
- ▶ 5.0 ml preparation tubes (x8)
- ▶ 15 ml conical centrifuge tubes (x8)
- ▶ 50 ml conical centrifuge tubes (x4)
- ▶ 1.5/2.0 ml cryogenic tubes (x24)
- ▶ Microplates / deepwell plates

Plus an adapter plate is also available to convert the microplate / deepwell plate thermoblock for use with 96 x 0.2 ml PCR tubes or one PCR plate



- ▶ **SHORT MIX** function for instant mixing at the push of a button
- ▶ Robust housing and small footprint
- ▶ 2-year warranty



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.

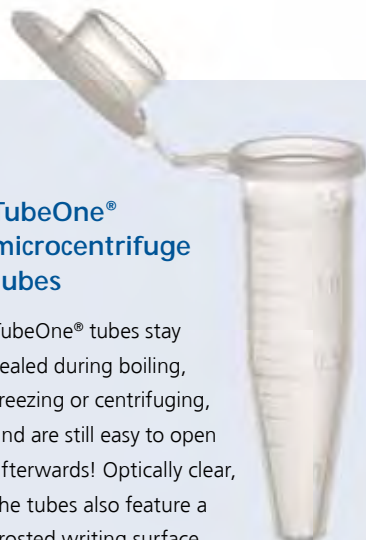
Ordering details are on page 152

Mixer HC

Mixer HC			
Cat. No.	Description	Pack Size	Price
S8012-0000	Mixer HC without exchangeable Thermoblock	1	£1589.70
Accessories			
S8012-0010	Thermoblock for 24 x 0.5 ml microcentrifuge tubes*	1	£325.50
S8012-0011	Thermoblock for 24 x 1.5 ml microcentrifuge tubes**	1	£325.50
S8012-0012	Thermoblock for 24 x 2.0 ml microcentrifuge tubes**	1	£325.50
S8012-0013	Thermoblock for 24 x micro tubes, diameter 12 mm	1	£408.69
S8012-0014	Thermoblock for 8 x 5.0 ml preparation tubes	1	£325.50
S8012-0015	Thermoblock for 8 x 15 ml conical centrifuge tubes	1	£325.50
S8012-0016	Thermoblock for 4 x 50 ml conical centrifuge tubes	1	£325.50
S8012-0017	Thermoblock for 24 x 1.5 ml – 2.0 ml cryogenic tubes	1	£325.50
S8012-0018	Thermoblock for microplates / deepwell plates, with lid	1	£408.69
S8012-0019	Adapter plate 96 x 0.2 ml for Thermoblock for microplates / deepwell plates	1	£111.70
S8012-0020	Iso-Rack for 24 x 0.5 ml microcentrifuge tubes	1	£47.12
S8012-0021	Iso-Rack for 24 x 1.5/2.0 ml microcentrifuge tubes	1	£46.23

* Iso-Rack S8102-0020 for 0.5 ml microcentrifuge tubes included. ** Iso-Rack S8012-0021 for 1.5/2.0 ml microcentrifuge tubes included.

Technical specifications	
Temperature control range	
Thermoblocks for microcentrifuge tubes	13 °C below room temperature to 99 °C
Thermoblocks for microplates / deepwell plates	10 °C below room temperature to 99 °C
Mixing frequencies for thermoblocks	
0.5 ml microcentrifuge tubes	300 – 1500 1/min
1.5 / 2.0 ml microcentrifuge tubes	300 – 1400 1/min
Microplates / deepwell plates	300 – 800 1/min when loading >200 g
15 ml & 50 ml conical centrifuge tubes	300 – 750 1/min
5.0 ml preparation tubes	300 – 750 1/min
Cryo genic tubes	300 – 1400 1/min
Programmable time interval	1 min to 99:59 hours, infinitely adjustable
General Unit Specifications	
Mains connection	100 to 240 V ±10 %, 50 to 60 Hz
Power consumption	90 W
Ambient temperature	4 – 35 °C
Relative humidity	70 % max.
Dimensions (W x D x H)	220 x 250 x 125 mm
Weight basic device	3.2 kg



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 70 for more info](#)

 www.starlab.click/mixerhc

Aspirator



One Aspirator, Two Tissue Culture Hoods – at the same time!
- the powerful pump can operate two hand controllers without any loss of performance!

The new 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 powerful pump can operate two hand controllers at the same time, without any loss of performance. The chemically-resistant pump automatically switches

on/off to reduce noise level in the work place. 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
- ▶ Intuitive, reproducible adjustment of suction power via touchpad
- ▶ 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 environment
- ▶ Hydrophobic filter prevents contamination of environment and provides overflow protection
- ▶ Special inlet pipe reduces build-up of foam and aerosols in the collection bottle
- ▶ Collection bottles made from polypropylene or coated glass can be autoclaved with filters attached for safe handling
- ▶ Optional self-sealing quick couplings facilitate safe and fast exchange of collection bottles containing biological risk material
- ▶ Compact housing and carrying handle provides space-saving line-up and flexible, mobile working
- ▶ An additional hand controller can be easily attached to double productivity



www.starlab.click/aspirator

Aspirator



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 μ l) 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 μ l pipette tips.

The 8-channel adapter for 200 μ l and 300 μ l 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			
Cat. No.	Description	Pack Size	Price
N2400-9000	Aspirator, including 4L PP Bottle, Hand Controller and Wall Mount	1	£1,515.00
Accessories			
N2400-9001	Hand Controller for Aspirator*	1	£130.72
N2400-9002	Single-Channel Adapter with Ejector for Pipette Tips for Hand Controller	1	£47.32
N2400-9003	8-Channel Adapter for Pipette Tips for Hand Controller**	1	£351.18
N2400-9004	Stainless Steel Stand for Hand Controller	1	£74.06
N2400-9005	Tubing for Hand Controller, 2.5 m	1	£10.66
N2400-9006	Connection Kit with Inlet Pipe for Additional Hand Controller	1	£30.30
N2400-9007	Protection Filter with Connective Tubing	1	£20.94
N2400-9008	Quick Coupling (Hand Controller to Bottle) with Inlet Pipe	1	£94.06
N2400-9009	Quick Coupling (Bottle to Pump)	1	£84.72
N2400-9010	4L PP Bottle with Protection Filter and Inlet Pipe	1	£256.20
N2400-9011	4L PP Bottle with Screw Cap	1	£112.02
N2400-9012	2L Glass Bottle with Protection Filter and Inlet Pipe	1	£286.48
N2400-9013	Adapter for 2L Glass Bottle	1	£36.10
N2400-9014	Mobile Underframe	1	£91.06
N2400-9015	Tool for Changing Diaphragm	1	£8.04

1-year warranty

* Includes one adapter for pipettes, one adapter for pipette tips, a wall mount and 2.5m of tubing.

** Includes a stand.

Technical Specifications	
Maximum pumping speed	16.7 l/min
Ultimate vacuum (absolute)	150 mbar
Adjustable range of vacuum	150 – 850 mbar
Maximum permissible inlet/outlet pressure	1.1 bar
Maximum installation altitude	2000 m above mean sea level
Sound Emission	45 dB(A)
Mains connection	230 V + 10 %, 50/60 Hz
Power consumption	40 W
Ambient temperature	10 – 40 °C
Relative humidity	30 – 85 %
Dimensions (W x D x H)	408 x 194 x 500 mm
Weight	7.3 kg

Aspirator Accessories



Microplate Mixer



N2400-8040

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.

Features

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

Specifications	
Speed Range	0 – 1500 rpm
Permissible Ambient Temperature	4 – 40 °C
Permissible Relative Humidity	< 80 %
Max. Load	0.5 kg
Type of Movement	Orbital
Orbital Diameter	4.5 mm
Power	20 W
Voltage	100 – 240 V
Frequency	50/60 Hz
Weight	3 kg
Dimensions (WxDxH)	150 x 260 x 80 mm

*1500 rpm is max. speed with all attachments except for N2400-8042, the max. speed for this adapter is 1000 rpm.



Deepwell and Microplates

See our range of deepwell and microplates on pages 91 – 96.

Microplate Mixer			
Cat. No.	Description	Pack Size	Price
N2400-8040	Microplate Mixer	1	£435.21
Accessories			
N2400-8041	Replacement Attachment for One Plate	1	£12.52
N2400-8042	Microtitre Plate Attachment for Two Plates	1	£27.19
N2400-8043	Microplate Mixer Adapter Plate for use with N2400-6012 and -6013	1	£12.52
N2400-6012*	Tube Adapter for 15 x 1.5/2.0 ml Microcentrifuge Tubes up to 10 mm Ø (Use in Combination with N2400-8043)	1	£43.52
N2400-6013*	Tube Adapter for 8 x 15 ml Centrifuge Tubes up to 16 mm Ø (Use in Combination with N2400-8043)	1	£43.52

Microplate Mixer is supplied with an attachment for one plate (N2400-8041) as shown in main image. N2400-8041 and N2400-8042 suitable for use with all skirted SBS footprint plates (127.8 x 85.5 mm). N2400-6012 and N2400-6013 can also be used with the Vortex (page 157) in combination with its adapter N2400-6015.

*N2400-6012 and N2400-6013 can only be used as an attachment in combination with N2400-8043.

Microplate Mixer Accessories



N2400-8041



N2400-8042



N2400-6012



N2400-6013



N2400-8043



N2400-6010

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.

Features

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

Specifications	
Speed Range	0–2500 rpm*
Permissible Ambient Temperature	4–40 °C
Permissible Relative Humidity	< 80 %
Operating Modes	Two: touch and continuous
Type of Movement	Orbital
Orbital Diameter	4 mm
Power	60 W
Voltage	220–230 / 110–120 V
Frequency	50/60 Hz
Weight	3.5 kg
Dimensions (WxDxH)	127 x 130 x 160 mm

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

Vortex			
Cat. No.	Description	Pack Size	Price
N2400-6110	Vortex with UK plug	1	£196.74
Accessories			
N2400-6011	Replacement Universal Cup for Tubes up to 30 mm Ø	1	£12.52
N2400-6012*	Tube Adapter for 15 x 1.5/2.0 ml Microcentrifuge Tubes up to 10 mm Ø (Use in Combination with N2400-6015)	1	£43.52
N2400-6013*	Tube Adapter for 8 x 15 ml Centrifuge Tubes up to 16 mm Ø (Use in Combination with N2400-6015)	1	£43.52
N2400-6014	Adapter for 96-Well Microtitre Plates	1	£85.85
N2400-6015	Vortex Adapter Plate for use with N2400-6012 and N2400-6013	1	£31.00

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 156) in combination with its adapter N2400-8043.

*N2400-6012 and N2400-6013 can only be used as an attachment in combination with N2400-6015.

Vortex Accessories



N2400-6012



N2400-6013



N2400-6014
(Plate not included.)



N2400-6015

Vortex IR



N2400-0001



Simple, but revolutionary!

The Vortex IR features 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.

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

Specifications	
Speed Range	0 – 3000 rpm*
Speed Setting	Analogical
Speed Control	Electronic
Temperature Range	4 °C – 40 °C
Operating Modes	Two: sensor and continuous
Type of Movement	Orbital
Orbital Diameter	4.5 mm
Max. Load	0.5 kg
Unit Material	Epoxy painted zinc alloy
Power	15 W
Voltage / Frequency	90 – 260 V / 50 – 60 Hz
Safety	Electronic Protection Degree CEI EN 60529: IP42
Weight	2.4 kg
Dimensions (WxDxH)	180 x 220 x 70 mm

*NOTE: Max. speed 3000 rpm only when using the cup 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			
Cat. No.	Description	Pack Size	Price
N2400-0001	Vortex IR	1	£272.05
N2400-1008	Replacement Cup for Single Test Tube	1	£15.90

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

Vortex IR Accessories



For 19 x 1.5 ml
Microcentrifuge Tubes

N2400-1001
£57.09



For 5 x 15 ml (16 mm Ø)
Centrifuge Tubes

N2400-1002
£57.09



For 4 x 50 ml (29 mm Ø)
Centrifuge Tubes

N2400-1003
£57.09



For Microtitre
Plates

N2400-1004
£57.09
(Plate not included.)



Universal Rubber
Attachment (50 mm Ø)

N2400-1005
£31.80



Customisable Soft Foam
Attachment

N2400-1006
£46.45

Tube Roller



N2400-7010

Rock and roll!

Simultaneous rolling and tilting movements ensure 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.

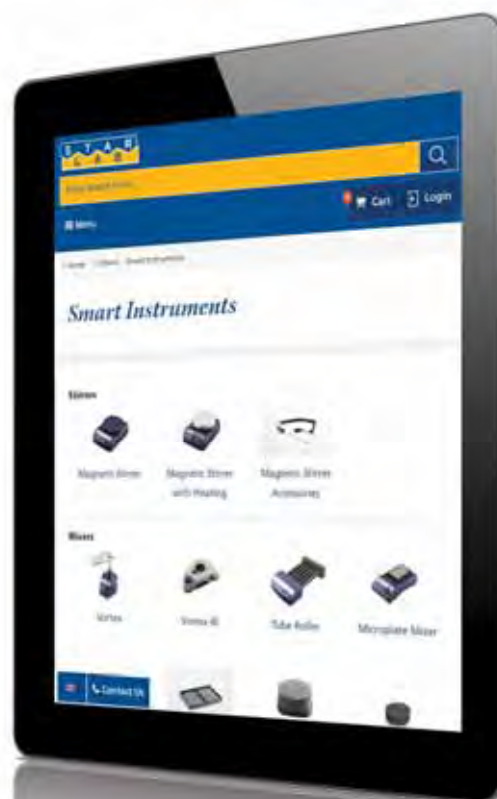
Specifications	
Speed Range (orbital)	0 – 70 rpm
Permissible Ambient Temperature	4 – 40 °C
Permissible Relative Humidity	< 80 %
Max. Load	4 kg
Number of Rollers	6
Roller material	Polyoxymethylene
Size of Rollers (LxØ)	280 x 30 mm
Power	25 W
Voltage	100 – 240 V
Frequency	50/60 Hz
Weight	4.5 kg
Dimensions (WxDxH)	260 x 460 x 120 mm

Features

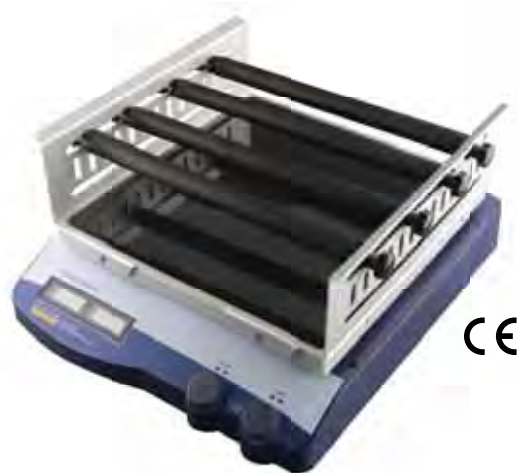
- ▶ Simultaneous rolling and tilting motion
- ▶ Continuous operation
- ▶ Speed control
- ▶ Six rollers to hold a load up to 4 kg
- ▶ 2-year warranty

Tube Roller			
Cat. No.	Description	Pack Size	Price
N2400-7010	Tube Roller	1	£530.60

www.starlab.click/smartinstruments



Orbital Shaker



N2400-8030 (with N2400-8011)

Shake it all about!

The orbital shaker has two operating modes: continuous or timer. The digital speed and timer displays ensure 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.

Features

- ▶ LCD displays for speed and time
- ▶ Two operating modes: continuous and timer
- ▶ Choice of platforms
- ▶ Holds load up to 7.5 kg
- ▶ Small footprint
- ▶ 2-year warranty

Specifications	
Speed and Timer Display	LCD
Speed Range	100–500 rpm
Permissible Ambient Temp.	4–40 °C
Permissible Relative Humidity	< 80 %
Operating Modes	Two: continuous and timer
Max. Load	7.5 kg
Platform Dimensions	300 x 300 mm
RS232-Interface	Yes
Shaking Movement	Orbital
Orbital Diameter	10 mm
Timer	1–1199 mins (19 hrs 59 mins)
Power	30 W
Voltage	100–240 V
Frequency	50/60 Hz
Weight	13.5 kg
Dimensions (WxDxH)	420 × 370 × 100 mm

Orbital Shaker			
Cat. No.	Description	Pack Size	Price
N2400-8030	Orbital Shaker*	1	£1075.50
Accessories			
N2400-8011	Universal Platform with Clamping Rolls	1	£296.90
N2400-8021	Universal Platform with Rubber Mat and Bungee Cords	1	£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 161.

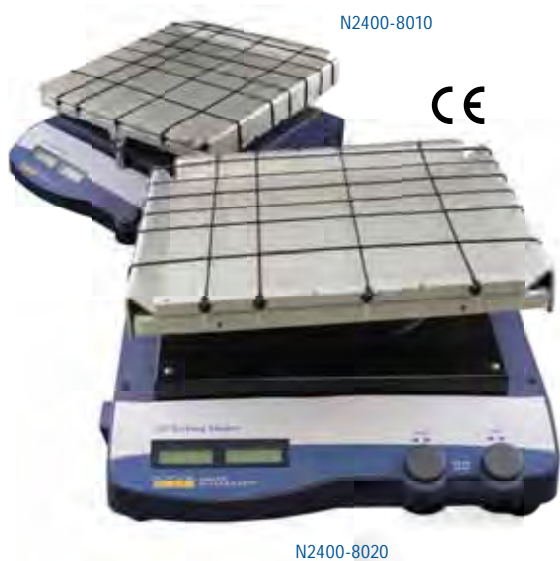


N2400-8011



N2400-8021

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.

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

Specifications	
Speed and Timer Display	LCD
Speed Range	10 – 70 rpm
Permissible Ambient Temperature	4 – 40 °C
Permissible Relative Humidity	< 80 %
Operating Modes	Two: continuous and timer
Shaking Movement	N2400-8010: see-saw rocking N2400-8020: 3D mixing
Max. Load	N2400-8010: 10 kg N2400-8020: 5 kg
Platform Dimensions	300 x 300 mm
Tilt Angle	9 °
Timer	1 – 1199 mins (19 hrs, 59 mins)
Power	N2400-8010: 40 W N2400-8020: 50 W
Voltage	100 – 240 V
Frequency	50/60 Hz
Weight	9 kg
Dimensions (WxDxH)	N2400-8010: 370 x 420 x 106 mm N2400-8020: 370 x 420 x 200 mm

Rocking Shaker & 3D Rocking Shaker			
Cat. No.	Description	Pack Size	Price
N2400-8010	Rocking Shaker	1	£1225.74
N2400-8020	3D Rocking Shaker	1	£1225.74
Accessories			
N2400-8011	Universal Platform with Clamping Rolls	1	£296.90
N2400-8021	Universal/Replacement Platform with Rubber Mat and Bungee Cords	1	£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 160.



N2400-8011

Magnetic Stirrer



N2400-2010

Features

- ▶ Speed control
- ▶ Compact design
- ▶ Robust construction
- ▶ High mixing capacity
- ▶ Includes 40 mm stir bar
- ▶ 2-year warranty

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.

Specifications	
Speed Range	100 – 1500 rpm (in 10 rpm increments)
Max. Stirring Volume	3 l
Permissible Ambient Temperature	4 – 40 °C
Permissible Relative Humidity	< 80 %
Plate Diameter	135 mm
Power	15 W
Voltage	100 – 240 V
Frequency	50/60 Hz
Weight	0.9 kg
Dimensions (WxDxH)	155 × 215 × 75 mm

Magnetic Stirrer			
Cat. No.	Description	Pack Size	Price
N2400-2010	Magnetic Stirrer	1	£186.01

Magnetic Stirrer with Heating



N2400-3010

Features

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

Stir up some heat!

This magnetic stirrer with heating 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.

Specifications	
Speed Range	100 – 1500 rpm (in 10 rpm increments)
Max. Stirring Quantity	3 l
Temperature Range	Ambient to 280 °C with 1 °C increments
Permissible Ambient Temperature	4 – 40 °C
Permissible Relative Humidity	< 80 %
Plate Diameter	135 mm
Power	515 W (with heating) 10 W (without heating)
Voltage	200 – 240 V
Frequency	50/60 Hz
Weight	1.4 kg
Dimensions (WxDxH)	155 x 215 x 100 mm

Magnetic Stirrer with Heating			
Cat. No.	Description	Pack Size	Price
N2400-3010	Magnetic Stirrer with Heating	1	£327.90

Accessories			
Cat. No.	Description	Pack Size	Price
N2400-3011	Temperature Sensor PT1000	1	£95.46

Mini Dry Bath



N2400-4020 (with N2400-4023)

Small, but powerful!

A small but powerful unit suitable for a range of applications: Restriction digests, denaturing DNA, NUB, coagulation studies, in-situ hybridisation, and Hot Start thermocycler reactions. 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.

Features

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

Specifications	
Controller	Digital microprocessor
Display	Digital
Operating Temperature	Ambient to 40 °C
Temp. Control Range – Dry Bath	5 °C above ambient to 100 °C
Temp. Control Range – Water Bath	5 °C above ambient to 90 °C
Temp. Increase	0.1 °C
Temp. Calibration	Yes
Temp. Uniformity	±0.2 °C at 37 °C
Temp. Accuracy	±0.25 °C at 37 °C
Timer	0 – 999 mins, continuous
Safety Device	Leak-proof heating chamber and over-heating alarm protection
Water Bath Volume	85 ml
Heating Chamber Material	Moulded aluminium alloy coated with PTFE
Block Material	Aluminium alloy
Power Rating	AC input : 100 – 240 V~, 2 A, 50/60 Hz
Heating Power	50 W
Weight	0.6 kg
Dimensions (WxDxH)	125 x 153 x 97 mm

Mini Dry Bath			
Cat. No.	Description	Pack Size	Price
N2400-4020	Mini Dry Bath*	1	£233.70

* Metal Blocks are not included and must be purchased separately.

Metal Blocks for Mini Dry Bath

<p>All metal blocks are supplied with a screw-in handle for easy insertion and removal</p>	<p>For 32 x 0.2 ml PCR Tubes</p> <p>N2400-4021 £47.69</p>	<p>For 12 x 0.5 ml Microcentrifuge Tubes</p> <p>N2400-4022 £47.69</p>	<p>For 12 x 1.5 ml Microcentrifuge Tubes (conical)</p> <p>N2400-4023 £47.69</p>
	<p>For 12 x 1.5/2.0 ml Microcentrifuge Tubes (v-shaped)</p> <p>N2400-4024 £47.69</p>	<p>For 6 x 15 ml Centrifuge Tubes</p> <p>N2400-4025 £47.69</p>	<p>For 2 x 50 ml Centrifuge Tubes</p> <p>N2400-4026 £47.69</p>

Single & Dual Block Dry Bath



N2400-4002 (with N2400-4108)



Dry bath, wet bath!

Designed for a wide variety of applications, including restriction digests, denaturing DNA, NUB, melting agar, coagulation studies, in-situ hybridisation, and Hot Start thermocycler reactions, as well as having the additional function of a water bath. Available as a single or dual block unit, these systems offer great value and convenience for the user.

Features

- ▶ Microprocessor controlled timer and temperature
- ▶ Digital display
- ▶ Easy, user calibration
- ▶ Metal blocks available separately
- ▶ Can also be used as a water bath
- ▶ 2-year warranty



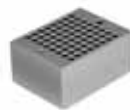
N2400-4001

Specifications	
Controller	Digital microprocessor
Display	Digital
Operating Temp.	5 °C above ambient to 150 °C
Temp. Increase	0.1 °C
Temp. Calibration	Yes
Temp. Uniformity	±0.2 °C
Temp. Accuracy	±0.2 °C
Timer	0 – 999 minutes
Safety Device	Leak-proof heating chamber
Water Bath Volume	Single: 400ml Dual: 800ml
Heating Chamber Material	Aluminium
Block Material	Aluminium
Block Dimensions	80 x 105 x 50 mm (except N2400-4108)
Voltage	110 or 220V
Weight	2.6 kg (single) / 2.8 kg (dual)
Dimensions (WxDxH)	200 x 270 x 80 mm

Single & Dual Block Dry Bath			
Cat. No.	Description	Pack Size	Price
N2400-4001	Dry Bath Heating System, Single Block, Digital*	1	£333.90
N2400-4002	Dry Bath Heating System, Dual Block, Digital*	1	£483.26

* Metal Blocks are not included and must be purchased separately.

Metal Blocks for Single & Dual Block Dry Bath Systems



For 64 x 0.2 ml PCR Tubes
N2400-4100
£91.10



For 20 x 1.5/2.0 ml Microcentrifuge Tubes
N2400-4101
£91.10



For 12 x 15 ml Centrifuge Tubes
N2400-4102
£91.10



For 4 x 50 ml Centrifuge Tubes
N2400-4103
£91.10



For 20 x 1.5 ml Microcentrifuge Tubes
N2400-4104
£91.10



For 20 x 0.5 ml PCR or Microcentrifuge Tubes
N2400-4105
£91.10



For 20 x 13 mm Tubes
N2400-4106
£91.10



For 96-Well Plate (Single Block)
N2400-4107
£151.83



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



For 96-Well Plate (Dual Block)
N2400-4108
£206.58

Mini Fuge

N2631-0007



Get in a spin!

Small enough to fit on your benchtop for your own personal use. The strip rotor accepts either 16 single or two 0.2 ml 8-strip tubes; the standard rotor accepts six 0.5 ml or 1.5 ml or 2.0 ml microcentrifuge tubes. The rotors can be changed easily and quickly

Features

- ▶ Supplied with two rotors: one for microcentrifuge tubes and one for PCR tubes
- ▶ Quick and easy rotor change
- ▶ Ideal for quick spin downs and microfiltration
- ▶ Starts and stops in seconds
- ▶ Small footprint
- ▶ 1-year warranty

Specifications	
Speed	6000 rpm
RCF Standard Rotor	2,000 x g
RCF Strip Rotor	1177 x g
Operating Temperature	2 °C – 40 °C
Permissible Relative Humidity	<85%
Voltage/Frequency	240 V, 50/60 Hz
Fuse	0.5 A, 250 V (F)
Dimensions (WxDxH)	150 x 150 x 117 mm

Microcentrifuge			
Cat. No.	Description	Pack Size	Price
N2631-0007	Microcentrifuge	1	£238.88

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. An allen key for changing the rotors is also supplied.



PCR Strips

See our range of PCR strip tubes and caps. 5 trips with attached caps or separate tube strips and cap strips are available.



See pages 81 – 83 for details

www.starlab.click/minifuge



Plate Centrifuge

N2631-0008



N2631-0018. Optional adapter 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. The centrifuge accepts all plates up to 25mm high and an optional adapter (sold separately) is available for centrifuging 48-well PCR plates and 0.2ml PCR tubes or strips.

Features

- ▶ Accommodates two plates, any style, up to 25 mm high
- ▶ Quick spin down of droplets and condensation
- ▶ Use before and after thermal cycling to increase PCR yield
- ▶ Less than quarter the size of most plate centrifuges
- ▶ Easy cleaning and maintenance
- ▶ 2-year warranty

Specifications	
Speed	2500 rpm
RCF	500 x g
Rotor Capacity	Two plates, any style, up to 25 mm high
Operating Temperature	4 °C – 30 °C
Permissible Relative Humidity	<85 %
Voltage/Frequency	230 V / 50–60 Hz
Fuse	0.5 AT
Weight	1.5 kg
Dimensions (WxDxH)	190 x 210 x 183 mm

Plate Centrifuge			
Cat. No.	Description	Pack Size	Price
N2631-0008	Plate Centrifuge	1	£608.10
Accessories			
N2631-0018	Adapter for 48-Well Plates and 0.2 ml Strips and Tubes	2	£42.92

PCR Plates

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



See pages 84 – 87 for details



www.starlab.click/platecentrifuge

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. Cross-contamination 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.

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.

AirClean® PCR Cabinets

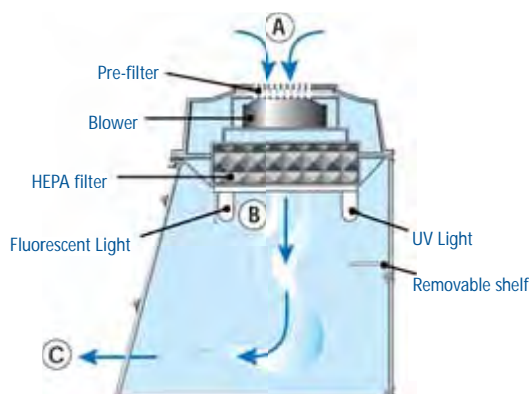


What does the UVTect™ do?

- ▶ 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 work starting. 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 £2705.00	N2540-8500 £3414.63	N2530-8200 £3316.35	N2530-8300 £4486.94
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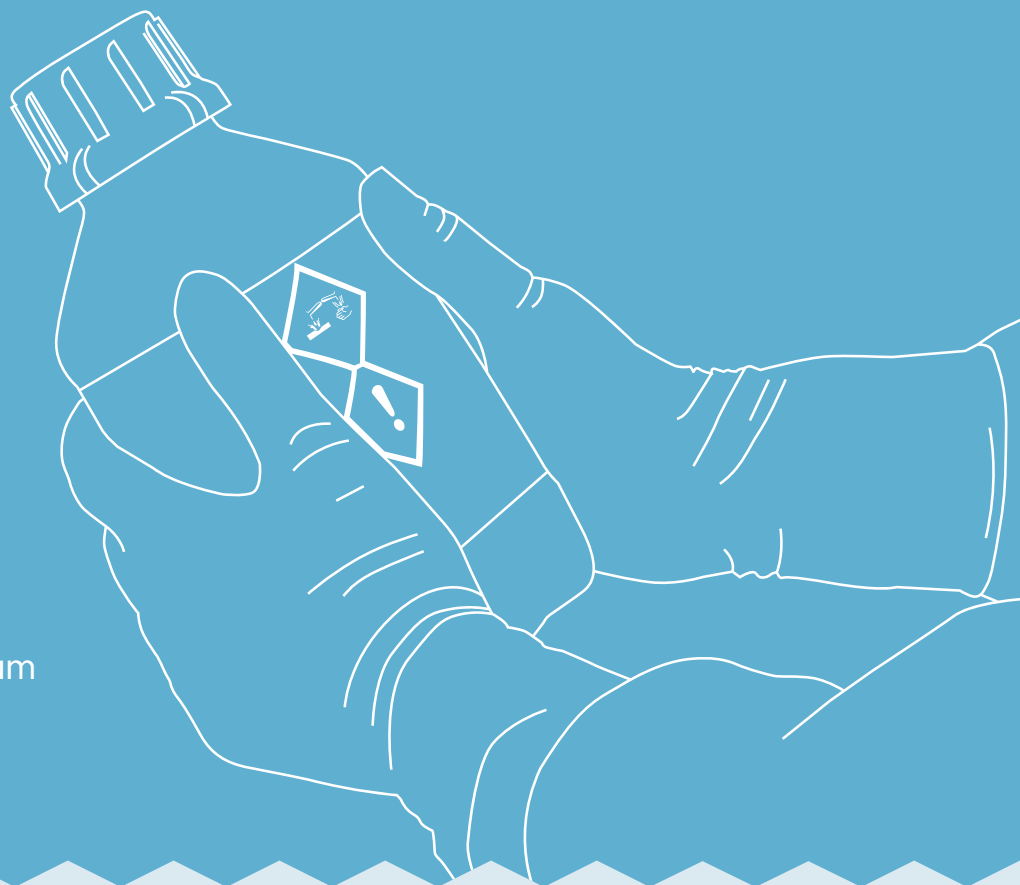
Cabinet Accessories

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.

Confidence assured!

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



DISPOSABLE GLOVES

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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*).



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)		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		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.
			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



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



StarGuard® COMFORT				
Cat. No	Description	Size	Pack Size	Price
SG-C-XS	StarGuard® COMFORT	X-Small	10 x 250 gloves	£347.57
SG-C-S	StarGuard® COMFORT	Small	10 x 250 gloves	£347.57
SG-C-M	StarGuard® COMFORT	Medium	10 x 250 gloves	£347.57
SG-C-L	StarGuard® COMFORT	Large	10 x 250 gloves	£347.57
SG-C-XL	StarGuard® COMFORT	X-Large	10 x 230 gloves	£347.57

*230 gloves per box XL ¹www.us-ergo.com

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*



Improved fit and longer length

StarGuard® COMFORT have snug fitting fingers and are 245 mm long to provide full cover over the wrist.



Comfortable ...
 made from soft nitrile for enhanced comfort and tactile sensitivity

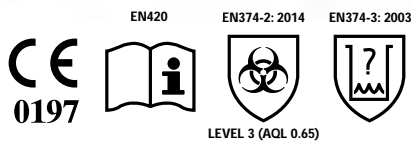


... yet Strong
 an extremely soft but strong glove that provides excellent elasticity

www.starlab.click/starguard



StarGuard® PROTECT



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 (250mm) covers the wrist

i PPE Cat. III Complex Design. AQL 0.65
Violet-Blue Nitrile Glove. Textured Fingers
Length: 250mm. 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				
Cat. No	Description	Size	Pack Size	Price
SG-P-XS	StarGuard® PROTECT	X-Small	10 x 100 gloves	£150.83
SG-P-S	StarGuard® PROTECT	Small	10 x 100 gloves	£150.83
SG-P-M	StarGuard® PROTECT	Medium	10 x 100 gloves	£150.83
SG-P-L	StarGuard® PROTECT	Large	10 x 100 gloves	£150.83
SG-P-XL	StarGuard® PROTECT	X-Large	10 x 100 gloves	£150.83

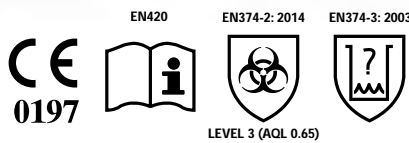


Longer!
250 mm long to provide splash protection for your hand and wrist



Strength and durability
hand protection you can rely on everyday

StarGuard® PROTECT+



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+				
Cat. No	Description	Size	Pack Size	Price
SG-X-S	StarGuard® PROTECT+	Small	10 x 50 gloves	£133.78
SG-X-M	StarGuard® PROTECT+	Medium	10 x 50 gloves	£133.78
SG-X-L	StarGuard® PROTECT+	Large	10 x 50 gloves	£133.78
SG-X-XL	StarGuard® PROTECT+	X-Large	10 x 50 gloves	£133.78

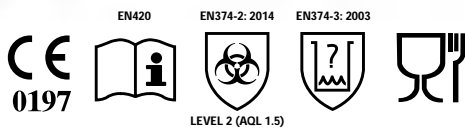


Extended cuff
 295 mm long to provide protection over the cuffs of your lab coat



Optimal protection
 Thicker glove with extended cuffs for optimal chemical splash protection

StarGuard® SENSITIVE



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: 250mm. 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				
Cat. No	Description	Size	Pack Size	Price
SG-N-XS	StarGuard® SENSITIVE	X-Small	10 x 200 gloves	£249.18
SG-N-S	StarGuard® SENSITIVE	Small	10 x 200 gloves	£249.18
SG-N-M	StarGuard® SENSITIVE	Medium	10 x 200 gloves	£249.18
SG-N-L	StarGuard® SENSITIVE	Large	10 x 200 gloves	£249.18
SG-N-XL	StarGuard® SENSITIVE	X-Large	10 x 200 gloves	£249.18

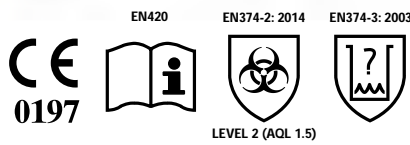


Comfortable
 A lightweight glove that also provides exceptional strength



200 gloves per box
 helps to conserve the environment by reducing packing materials, energy and fuel, and storage space

StarGuard® TOUCH



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: 245mm. 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				
Cat. No	Description	Size	Pack Size	Price
SG-T-XS	StarGuard® TOUCH	X-Small	10 x 100 gloves	£94.43
SG-T-S	StarGuard® TOUCH	Small	10 x 100 gloves	£94.43
SG-T-M	StarGuard® TOUCH	Medium	10 x 100 gloves	£94.43
SG-T-L	StarGuard® TOUCH	Large	10 x 100 gloves	£94.43
SG-T-XL	StarGuard® TOUCH	X-Large	10 x 90 gloves	£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.



Microflex® Nitrile Gloves

All PPE Category III

Nitrile characteristics

- ▶ Good splash protection
- ▶ Good barrier protection against biohazards
- ▶ Good for water miscible substances, weak acids and alkalis (pH 4–10)
- ▶ Good for aliphatic solvents, oils and grease
- ▶ Poor for direct contact with ketones
- ▶ 100% latex free – suitable for latex allergy sufferers

SUPRENO®				
Cat. No	Description	Size	Pack Size	Price
SU-INT-XS	SUPRENO®	X-Small	10 x 100 gloves	£150.83
SU-INT-S	SUPRENO®	Small	10 x 100 gloves	£150.83
SU-INT-M	SUPRENO®	Medium	10 x 100 gloves	£150.83
SU-INT-L	SUPRENO®	Large	10 x 100 gloves	£150.83
SU-INT-XL	SUPRENO®	X-Large	10 x 100 gloves	£150.83

SUPRENO® PLUS				
Cat. No	Description	Size	Pack Size	Price
SP-INT-S	SUPRENO® PLUS	Small	10 x 50 gloves	£133.78
SP-INT-M	SUPRENO® PLUS	Medium	10 x 50 gloves	£133.78
SP-INT-L	SUPRENO® PLUS	Large	10 x 50 gloves	£133.78
SP-INT-XL	SUPRENO® PLUS	X-Large	10 x 50 gloves	£133.78

XCEED®				
Cat. No	Description	Size	Pack Size	Price
XC-INT-XS	XCEED®	X-Small	10 x 250 gloves	£347.57
XC-INT-S	XCEED®	Small	10 x 250 gloves	£347.57
XC-INT-M	XCEED®	Medium	10 x 250 gloves	£347.57
XC-INT-L	XCEED®	Large	10 x 250 gloves	£347.57
XC-INT-XL	XCEED®	X-Large	10 x 230 gloves	£347.57

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.

Glove Box Dispenser			
Cat. No	Description	Pack Size	Price
E3099-3100	Wire Glove Dispenser	1	£31.00

Glove	Interior	Exterior	Colour	Length	AQL*	Pack Size
SUPRENO®	Powder-free	Textured Fingers	Blue	245 mm	0.65	10 x 100
SUPRENO® PLUS	Powder-free	Textured Fingers	Blue	295 mm	0.65	10 x 50
XCEED®	Powder-free	Textured Fingers	Blue	240 mm	0.65	10 x 250 ¹

*AQL: Acceptable Quality Level, see page 171 for more information. ¹XL = 10 x 230.

Nitrile strength & comfort with added security!



Extended nitrile strength & extra security!



A glove to exceed all expectations!



Chemgene Disinfectant

						
	Concentrate			Spray		Cloth Wipes
	1 Litre Self-Dosing Bottle	5 Litre Pump Container*	5 Litre Pump Container*	750ml Trigger Bottle	750ml Trigger Bottle	Dispensing Drum of 100 Wipes
	Clear, Unfragranced	Clear, Unfragranced	Blue, Eucalyptus	Clear, Unfragranced	Blue, Eucalyptus	Clear, Unfragranced
	100% conc.	100%	100%	1:20	1:20	1:10
CASE Order Info:	XTM305-C £114.47 / 6 bottles	XTM309-C £249.83 / 3 bottles	XTM308-C £249.83 / 3 bottles	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	XTM301 £8.52 / 1 bottle	XTM302 £8.52 / 1 bottle	XTM353 £8.33 / 1 drum

*Reusable pump for use with 5 Litre Container: Cat. No: TR021. £7.39 Each

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

Applications

CHEMGENE is ideal for cleaning laboratory benches, shelves, floors and fridges and most laboratory equipment including pipettes, centrifuge, water baths, discard jars and non-critical devices.

Microbiological efficacy summary

Viruses

Adenovirus Type 5.
Canine parvovirus.
Feline calicivirus.
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





Acinetobacter calcoaceticus.
Bordetella bronchiseptica.
Campylobacter jejuni.
Enterococcus hirae.
Escherichia coli.
Legionella pneumophila.
Listeria monocytogenes.
MRSA.
MRSP.
Pseudomonas aeruginosa.
Rhodococcus equi/
Salmonella tumphimurium.
Staphylococcus aureus.
Streptococcus equi (strangles).

Also proven to denature/precipitate DNA & RNA immediately.

- ▶ **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

Formerly known as Trigene Advance

						
	Concentrate			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%	500ml Trigger Bottle Clear, Unfragranced 1:100	Dispensing Drum of 100 Wipes Clear, Unfragranced 1:10	Ind-Wrapped Sachets Clear, Unfragranced 1:100
CASE Order Info:	TM305-C £108.92 / 6 bottles	TM309-C £194.94 / 3 bottles	TM308-C £194.93 / 3 bottles	TM301-C £51.83 / 6 bottles	TM353-C £114.18 / 12 drums	n/a
PACK Order Info:	TM305 £36.31 / 2 bottles	TM309 £64.98 / 1 bottle	TM308 £64.98 / 1 bottle	TM301 £8.64 / 1 bottle	TM353 £9.51 / 1 drum	TM351 £92.90 / 250 sachets

*Reusable pump for use with 5 Litre Container: Cat. No: TR021. £7.39 Each

Multi-purpose, multi-surface!

Distel® is an all purpose, multi-surface, non-alcohol based laboratory disinfectant that provides safe, simple and secure disinfecting. Economical to use, the synergistic blend of active ingredients produces the fastest acting and most efficient virucidal and sporicidal 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

Applications

Distel® can be used on most surfaces and is ideal for cleaning laboratory benches, shelves, floors and fridges, as well as most laboratory equipment including pipettes, centrifuges and water baths.

Microbiological efficacy summary

Viruses

Adenovirus Type 5.
Canine parvovirus.
Coronavirus.
Feline calicivirus (Norovirus).
Hepatitis B.
HIV.

Mycobacteria

Mycobacterium fortuitum.
Mycobacterium terrae.

Fungi

Candida albicans.
Microsporium audouinii.
Trichophyton tonsurans.

Bacteria

Campylobacter jejuni.
Enterococcus faecium.
Enterococcus hirae.
Escherichia coli.
Klebsiella pneumonia.
MRSA.
MRSP
Proteus vulgaris.
Pseudomonas aeruginosa.
Rhodococcus equi.
Staphylococcus aureus.
Stenotrophomonas maltophilia.
Streptococcus equi (strangles).

- ▶ **1:200** for general pre-cleaned areas
- ▶ **1:100** for heavy soil and high risk areas
- ▶ **1:10** in the presence of blood and bio-hazard spillage

www.starlab.click/disinfectant



Safety Spill Trays & Liners



Define a safe working area!

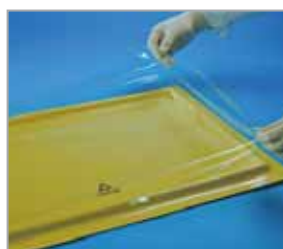
Define your work area so you and your colleagues are safe. Unlike disposable paper bench protectors, these Safety Trays are reusable. This reduces running costs and drastically reduces contaminated waste volume. The APET tray liner is anti-static with a non-porous surface which, unlike absorbent paper 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					
Cat. No.	Description	Size	Pack Size	Price	
	E3446-2609	General Purpose Tray, White	450 x 250mm	1	£41.92
	E3454-3409	General Purpose Tray, White	530 x 330mm	1	£50.42
	E3457-5409	General Purpose Tray, White	570 x 540mm	1	£66.28
	E3468-5409	General Purpose Tray, White	670 x 530mm	1	£108.20
	E3470-4609	General Purpose Tray, White	690 x 450mm	1	£85.54
	E3411-3549	General Purpose Tray, White	1120 x 530mm	1	£108.20
	E3446-2606	Radiation Hazard Trays, Yellow	450 x 250mm	1	£46.11
	E3454-3406	Radiation Hazard Trays, Yellow	530 x 330mm	1	£52.94
	E3468-5406	Radiation Hazard Trays, Yellow	670 x 530mm	1	£89.82
	E3411-3546	Radiation Hazard Trays, Yellow	1120 x 530mm	1	£103.67
	E3646-2609	Biohazard Trays, White	450 x 250mm	1	£79.88
	E3654-3409	Biohazard Trays, White	530 x 330mm	1	£48.04
	E3657-5409	Biohazard Trays, White	570 x 540mm	1	£62.88
	E3668-5409	Biohazard Trays, White	670 x 530mm	1	£79.88
	E3670-4609	Biohazard Trays, White	690 x 450mm	1	£79.88
	E3611-3549	Biohazard Trays, White	1120 x 530mm	1	£99.14

Tray Liners		
Cat. No.	Pack Size	Price
E3546-2600	25	£67.41
E3554-3400	25	£92.34
E3557-5400	25	£95.74
E3568-5400	25	£134.26
E3570-4600	25	£130.86
E3511-3540	25	£152.39
E3546-2600	25	£67.41
E3554-3400	25	£92.35
E3557-5400	25	£95.74
E3568-5400	25	£134.26
E3570-4600	25	£130.86
E3511-3540	25	£152.39

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			
Cat. No.	Description	Pack Size	Price
E1412-0000	Small (2.5L) PET Sweet Jar with PP Lid with Handle	30	£78.25
E1412-0001	Large (4.25L) PET Sweet Jar with PP Lid	31	£78.25

Dimensions (WxDxH): Small 105 x 105 x 215mm (with handle down, flush on lid). Large 145 x 115 x 215mm.



Autoclave bags

- ▶ Polypropylene bags (30 microns) for autoclaving up to 136°C
- ▶ Printed with Biohazard Symbol and white write-on panel
- ▶ Use for contaminated waste disposal

Autoclave Bags			
Cat. No.	Description	Pack Size	Price
E3300-3166	Autoclave Bag, 310 mm x 660 mm	200	£42.44
E3300-4070	Autoclave Bag, 415 mm x 600 mm	200	£46.45
E3300-6078	Autoclave Bag, 610 mm x 810 mm	200	£86.26



Autoclave tape

Autoclave Tape			
Cat. No.	Description	Pack Size	Price
E3300-0000	Autoclave Tape, 50 m x 18 mm	4	£26.54
E3300-0001	Autoclave Tape, 50 m x 25 mm	4	£29.81



Radiation disposal bags

Heavy-duty, double heat-sealed 500 gauge PE bags with double string neck pull.

Radiation Disposal Bags			
Cat. No.	Description	Pack Size	Price
E3317-0010	Bag with Radiation Hazard Symbol, 120 x 120 x 120 mm	25	£48.15
E3331-0020	Bag with Radiation Hazard Symbol, 290 x 210 x 210 mm	25	£80.57
E3335-0015	Bag with Radiation Hazard Symbol, 330 x 120 x 120 mm	25	£90.28
E3340-0025	Bag with Radiation Hazard Symbol, 370 x 210 x 240 mm	25	£63.02
E3342-0030	Bag with Radiation Hazard Symbol, 400 x 490 x 270 mm	25	£68.08
E3360-0035	Bag with Radiation Hazard Symbol, 610 x 280 x 280 mm	25	£84.60



Self-Adhesive Radiation Hazard Labels			
Cat. No.	Description	Pack Size	Price
E3850-0015	Radiation Hazard Labels (Large: 50 x 50mm)	25	£15.77

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