LIQUID HANDLING TECHNOLOGY

Products for the Laboratory 2016

INTELLIGENT QUALITY

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

STAR LAB

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Contents

PIPETTE TIPS
TipOne® Pipette Tip System.
Specialty Tips. Dispenser Tips.

7 – 32

Pipette Tips

ROBOTIC TIPS
Beckman Coulter®. Packard®/Perkin Elmer®.
Qiagen®. Tecan®. Robotic Reservoirs.

33 – 42

Robotic Tips

PIPETTES
Manual Pipettes. Electronic Pipettes.
Pipette Controller. Serological Pipettes.
Repeat Dispenser.

43 – 52

Pipettes

PIPETTE SERVICING
Calibration & Repair Service Overview.
Accreditation. Standard Servicing.
UKAS Servicing. Pipette Training. Pipette Spares.

53 – 64

Pipette Servicing

CONSUMABLES
Tubes. PCR Consumables. Plates. Plate Sealing. Parafilm®.
Autoclaving. Cuvettes. Reagent Reservoirs. Scrapers, Loops & Spreaders.
Pasteur Pipettes. Spatulas & Weighboats. Labelling.

65 – 104

Consumables

CELL CULTURE
CytoOne® Overview.
CytoOne® Dishes. CytoOne® Multiple Well Plates
CytoOne® Flasks. CytoOne® Cell Scrapers.

105 – 112

Cell Culture

SAMPLE STORAGE
Storage Boxes & Racks. Benchtop Coolers.
Stainless Steel Storage. Freezer Racking.
Slide Storage & Staining.

113 – 138

Sample Storage

SMART INSTRUMENTS
Stirrers, Mixers. Shakers.
Dry Bath Incubators. Centrifuges.
PCR Cabinets.

139 – 152

Smart Instruments

PROTECTION
Disposable Gloves.
Laboratory Disinfectant. Benchtop Safety.
Safe Disposal.

153 – 167

Protection

ALPHABETICAL INDEX 164–165
INDEX BY CATALOGUE NUMBER 166–171

Intelligent Quality

IQ is the focus of our new catalogue. As STARLAB develops reliable and efficient products for research and development, our aim is to provide "Intelligent Quality" solutions for your laboratory applications.
One of our particular objectives is to improve our ecological standing by designing increasingly eco-friendly products that use less raw materials during the manufacturing process.
For more information on Intelligent Quality, go to:

www.iQ-starlab.com

Complete!

TipOne

Our new generation of TipOne® pipette tips is finalised.
As one of the market-leading pipette tip manufacturers, we have invested both our passion for, and expertise of liquid handling into developing the new system. The results, we think, are impressive!
See pages 8 to 25 for information on all TipOne® features and benefits.

Intelligent Quality from STARLAB

The world is full of possibilities and STARLAB is bubbling over with good ideas. STARLAB products are designed with Intelligent Quality (iQ) so you can perform your everyday laboratory tasks with ease and confidence. STARLAB provides a complete range of intelligent products and solutions for the life science laboratory.

New iQ products featured in this catalogue include:

TipOne® – Next Generation

STARLAB has worked extensively over the last few years designing the innovative, next generation of our TipOne® pipette tip system – **TipOne.2**. We have retained the precision, quality and best features of the original system and incorporated customer suggestions to develop a compact, durable, ecological and intelligent, new system. For more information on TipOne®: the next generation, see pages 8 to 25.

ErgoOne® FAST

STARLAB's brand new pipette controller **ErgoOne® FAST** not only delivers fast and precise pipetting, it is designed for comfortable, long-term use as it balances perfectly in the hand for fatigue-free pipetting. What does this combination of excellent technical attributes and intelligent design provide? Intelligent Quality! See page 50.

Smart Instruments

Our new range of **Smart Instruments** is designed for repeated daily use for an array of laboratory applications such as blending, temperature control and centrifugation. Our Smart Instruments are robust, reliable, easy to use and have a small footprint, thus providing **Intelligent Quality** for your laboratory. For full details on the range, see pages 139 to 152.

STARLAB Quality & Service

The STARLAB Group

The STARLAB Group specialises in the field of Liquid Handling Technology. In the UK, STARLAB's offices and extensive warehouse facilities are centrally located in Milton Keynes, allowing rapid distribution of products from stock. STARLAB is also based in Germany, France and Italy, and has a network of distributors selling its products 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 products

The STARLAB UK portfolio includes an extensive range of pipette tips and other consumables, as well as Caltech, the UKAS accredited Pipette Calibration and Repair Service.

STARLAB manufactured products 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 our products to be of excellent quality and excellent value.

An accredited organisation

STARLAB (UK) is 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 awarded the **ISO 14001** for environmental management. This accreditation not only covers the recycling collection service we offer our customers, it also covers the management of our daily impact on the environment and our commitment to lowering that impact by a 5% each year.

ACM UKAS MANAGEMENT SYSTEMS 245 Registered to: ISO 9001 and ISO 14001

ilac-MRA UKAS CALIBRATION 4296

STARLAB's pipette calibration service is **UKAS** accredited so you can be sure that all our technicians are competent and fully-trained 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 believe in working on long-term strategies to reduce the company's impact on the environment in terms of both products produced and the day to day running of the business. All aspects of the business which have an environmental impact are continually monitored. STARLAB also believes in investing in people and encourages the training and development of all staff. STARLAB is an innovative and consultative company that builds close professional ties with its customers, and takes customer feedback back to our R&D team so researcher-requested features can be incorporated into new products. This not only improves our product range but also benefits the end-user in their daily laboratory routines.

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 teams are 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
- Case dimensions have been redesigned for safer transportation and easier handling, whilst still fitting efficiently on a pallet to help save shipping costs

- Packaging is made from recycled, recyclable cardboard
- Our new tips have further reduced the use of raw materials used during manufacturing and the new system is designed to further reduce plastic waste

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
- A third of the factory's energy is sourced from wind power

GREEN company

- First UK company within its sector to be awarded ISO 14001 accreditation for Environmental Management
- Constantly monitors and improves environmental management (with a 5% improvement year on year)
- Commitment to reduce the impact of the business on the local area and the environment as a whole, by reducing, reusing and recycling

STARLAB UK IS ZERO LANDFILL!

GREEN leader

- First company in UK to offer its customers an easy and regular recycling service for plastic laboratory waste
- A choice of recycling recepticles to suit individual customer's needs, provided free of charge
- STARLAB is committed to recycling laboratory waste and continually monitors the service in order to improve it both for the convenience of our customers and for the benefit of the environment

An award-winning company

- Green Champion, 2006 Green Apple Awards for Environmental Best Practice for our pioneering recycling collection scheme, which recognised STARLAB as one of the country's leaders in setting environmental standards for others to follow
- A second Green Apple Award for logistics was received in 2011
- Winner of two, International CSR (Corporate Social Responsibility) awards in 2014; one for Ethical Enterprise and one for Innovation

THE INTERNATIONAL CSR EXCELLENCE AWARDS 2014 WINNER

What's New?

New!

10/20 µl XL TipOne® Tips

Our new 10/20 µl XL TipOne® Tip is 3 mm longer, providing better access within all types of tubes. See pages 10–11.

200 µl TipOne® UltraPoint Tips

Intelligent Quality! The new 200 µl TipOne® UltraPoint Tip is the next evolutionary step for TipOne® Tips which uses innovations of advanced tip-technology. See pages 10–11.

300 µl TipOne® Tips

In response to customer feedback, STARLAB has introduced a new range of 300 µl TipOne® tips, including a brand new 300 µl filter tip. See pages 10–11.

1000 µl TipOne® Tips

A new, completely redesigned 1000 µl TipOne® tip. The thin-wall tip collar fits all popular pipettes and reduces loading and ejection forces. See pages 10–11.

Sterile Filter Tip Refills

A completely new, economical and eco-friendly refill system for our TipOne® filter tips. See pages 16 – 17.

New!

ErgoOne® E Electronic Pipettes

Ergonomic and lightweight, the new ErgoOne® E single and multi-channel pipettes provide reliable pipetting every day. See page 49.

New!

ErgoOne® FAST

Our new pipette controller is suitable for use with all serological pipettes. The lightweight controller provides fast, precise and fatigue-free pipetting. See page 50.

New!

BMP™21-LAB

A new, portable label printer designed especially for lab use. The new range of polypropylene labels withstands the most extreme temperatures and chemicals. See page 103.

New!

CytoOne® Cell Culture range

Outfit your cells for true performance with our new range of CytoOne® Cell Culture ware. CytoOne® flasks, dishes and plates are put through stringent testing to ensure optimum growth. See pages 105 –112.

New!

Smart Instruments

Our new, extended range of benchtop instruments follows on with our Intelligent Quality (iQ) approach. All Smart Instruments are robust, reliable, easy to use, maintenance free and have a small footprint. See pages 139–152.

New!

StarGuard® SENSITIVE Accelerator-free nitrile gloves

New, accelerator-free nitrile gloves which are clinically proven to reduce the potential for contact dermatitis. The ultimate hand protection for sensitive skin. See page 159.

PIPETTE TIPS

Always the right tip!

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

TipOne® PIPETTE TIP SYSTEM

The Same Trusted Tip ..... 8 – 9
TipOne® Tips of the New Generation ..... 10 – 11
Improved by You! 12
New System Components Overview 13
The Pefect Rack ..... 14 – 15
The Clever Refill ..... 16 – 17
The Unique Filter Tip Refill 18
The Compact Stack Rack 19
TipOne® Ordering Information ..... 20 – 21
TipOne® Filter Tips / Ordering Information ..... 22 – 23
TipOne® RPT / Ordering Information ..... 24 – 25
TipOne® Recycling 26

SPECIALTY TIPS

Extended Length Tips 27
384-Format Tips 27
Large Volume Tips ..... 28 – 29
Wide Orifice Tips 30
Gel Extraction Tool 30
Gel-Loading Tips 31

DISPENSER TIPS

TipOne® Repeat Dispenser Tips 32

The Same Trusted Tip

The original

How have we been able to make something this good even better? With your help! We asked you, our customers and daily users of TipOne® tips for your valuable feedback.

All the original features you love have been maintained. Simultaneously we have incorporated all the improvements and additional features you suggested that our engineers have been able to realise.

In summary, TipOne® is still "The Original" tip you have used and trusted over the years, but with a fresh and innovative next generation.

Latest Technology!

Manufacture

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

Intensive!

Quality Control

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

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

New!

Unique collar

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

Proven!

Material

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

Excellent!

Filter

The TipOne® filter is one of the best on the market and protects against aerosol cross-contamination without trapping your valuable samples. The filters contain no additives to interfere with samples. For more information see pages 22–23.

New!

Thin-walled tip cone

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

Universal!

Tip fit

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

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

New!

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.

New!

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.

New!

UltraPoint orifice

Prevents sample hold up.

Brilliant!

Highly polished moulds

For an extremely smooth surface to reduce sample retention.

Low Retention!

TipOne® RPT

For improved flow dynamics of sticky liquids. See pages 24–25.

STAR LAB

TipOne® Tips of the New Generation

All four Tips offer the following benefits

Universal fit: The flexible tip collar fits all popular pipettes

Enhanced clarity for better visibility of your samples through thin-wall technology: 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.

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

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

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
- **Filter version also available**
- **Improved tip collar:** for reduced loading and ejection forces

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
- **Filter version also available:** In volumes 20 µl and 100 µl
- **Green:** uses approx. 25% less material

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
- **Filter version also available**
- **Ideal for use with multi-channels**

1000 µl Graduated TipOne® Tip

- **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
- **Finer tip:** for better access into tubes
- **Reconfigured wafer:** now multi-channel compatible
- **Green:** uses approx. 40% less material

Improved by You!

A system with a system

All the best features of the old system, but with the improvements suggested by you!

The 'One System, One Solution' ethos remains! Every part of the system is interchangeable with the rest. The system remains reusable, refillable and recyclable. We have developed a brand new filter tip refill system for the economic and eco-friendly use of filter tips.

What has been improved?

Compact, durable, green design

Thanks to the compact design, a reduction by up to 60% volume and up to 50% percent weight (1000 µl refill without tips) has been achieved, resulting in less consumption of resources and lowering CO_2 emissions during production and transportation. Not only is this more environmentally-friendly, it also helps save valuable storage space in your lab. At the same time, we have maintained the remarkable durability of our refillable and reusable system to withstand repeated autoclaving without the loss of stability or shape. Additionally, all components are now made of pure polypropylene (PP) for even easier recycling.

Intelligent quality

For STARLAB, improving quality is not restricted to optimising the rack construction and choice of material, it also includes an intelligent way of providing the user with all the information needed while pipetting at the bench. Our new wafer now contains all necessary information concerning the tips it holds. A new 2D barcode on each wafer allows full traceability of item and lot number, 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 rack avoids confusion when racks are refilled with a different type or different volume of tip.

How can you identify deliveries containing new system items?

New shelf boxes

The new system will be supplied in newly designed case and shelf boxes. While new system items will be introduced gradually, ALL part numbers will stay the same so there is no need to change your ordering information.

The perfect rack

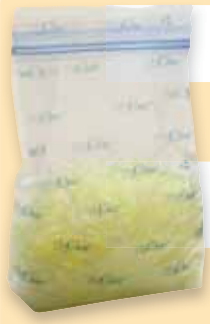
- Simple! The system comprises only two racks (one small, one large) for less complexity
- Small rack for use with tip volumes 10 µl to 300 µl; large rack for use with tip volumes 1000 µl and 1250µl XL
- Quick and easy identification of tips by colour-coded wafers with laser printed information and transparent lid
- Stackable
- Reusable
- Autoclavable

When ordering by the case (part numbers ending with -c) you will receive new system products in the new case packaging, easily identified by the black TipOne® logo

New System Components Overview

The clever refill

- The new 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



The self-standing bag

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

The compact stack rack

- Next generation design with wide base for great stability
- Transparent lid covers the tips when not in use
- 960 tips for high throughput use, ideal for multichannel users
- The complete stack rack is autoclavable and recyclable

The unique filter refill

- A brand new, economical and eco-friendly TipOne® filter tip refill system
- Fast, easy and safe: The filter tips are refilled with the top and bottom shell intact, thus providing a fast and completely protected refill system that will not compromise sterility
- Using sterile filter refills to reload racks directly during periods of long use in hoods and PCR-workstations saves 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 new improved TipOne® pipette tip system. It is still made from pure polypropylene, to provide excellent stability and durability.

The optimised base geometry and centre of gravity facilitates secure and precise handling. Available in two sizes: small for tip volumes 10 µl to 300 µl tips and large for 1000 µl and 1250 µl tips. The new racks can be identified by the TipOne® logo on the front and three indentations on the sides.

No label? Refilling a rack with a different type or different volume of tip may cause confusion if the label is not removed. Therefore, all information regarding the tips is now printed directly on the wafer, so you always know the type and volume of the tips you are using.

New!

The transparent lid

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

Stackable

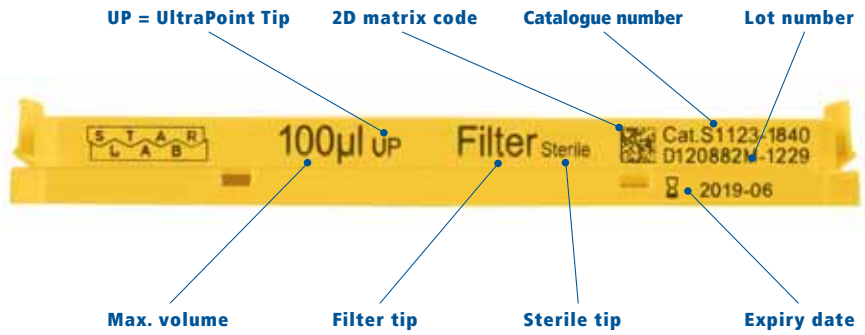
The racks are designed to stack safely on top of one another to help save valuable lab space.

The new lid clip

To personalise or to help differentiate between racks (eg. filter tips or autoclaved), we've 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 new wafer

The new wafer is as easy to insert and remove as it has always been and continues to lock into the rack for secure and stable positioning during pipetting. The information laser-printed on each wafer is abrasion and autoclave proof. As well as showing the type and volume of the tips and the ordering information, the lot number and expiry date (sterile tips only) is also included for easy traceability and stock control purposes. An additional 2D matrix code allows the use of scanners for laboratory information management systems and efficient, computerised handling of inventory.



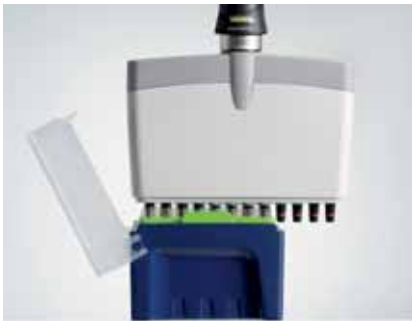
Color coded wafers for easy volume identification

Following customer demand, we have introduced colour-coded wafers for 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 new rack is ideal for multi-channel pipetting. Easy and unrestricted multi-channel access is provided by the optimised opening angle of the lid and the new wafer design. The rack's base geometry and centre of gravity provides stability while the sturdy wafer ensures a secure tip fit across all channels.



Autoclavable

The rack is intended for prolonged 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.

The Clever Refill

The clever refill

The 10/20µl XL, 300µl and 1000µl pipette tips are, due to their geometry, not nestable. To be able to offer a space saving refill for these tips we developed a unique spacer which is mounted, via four notches, to the bottom of the wafer.

We have significantly reduced the use of material compared to the old refills by up to 50% in weight and up to 60% in volume. This not only saves on storage space in the lab, but is also more eco-friendly as less resources are used, and less CO_2 is released during both production and transportation.

The new refill is separated into 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, if required.

All components are made of poly-propylene so no separation of materials is required prior to recycling.

New!

The two-part label

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

The spacers

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

How it works:

Separating the refill

The two-fold label can be easily split and the refill becomes two, individually-sealed stacks.

Removing wafers from the refill

Remove the protective wrapper and lift the first wafer (including top shell) off the stack. Note that the spacer below the wafer will lift too. The finger tabs on either side enables easy gripping by thumb and fore/middle finger.

Refill the rack

It's so easy! Just place the wafer (with top shell and spacer) into the empty rack and click securely into place. (The top shell can either remain inside the rack for extra protection, or placed back on top of the refill if you are not racking all five at the same time.)

Close the lid, the refilling is complete

Refilling a rack takes only seconds. The tips can now be used, or autoclaved before use.

Recover the partially used stack

The remaining tips can be protected from contamination by replacing the top shell. There's no need to remove the bottom shell when using the last wafer. Both the bottom shell and the wafer fits inside the new rack.

Save space in the lab

Comparing the old and new refill clearly shows both the space and material saved for a more eco-friendly lab.

The Unique Filter Tip Refill

The unique filter tip refill

The new, sterile 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 shells.

After unwrapping, the complete 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.

New!

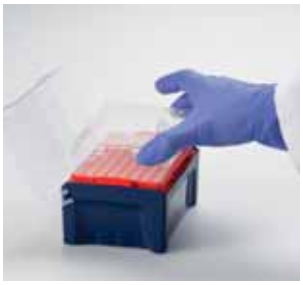
Minimising waste volume

As with our non-filtered refills, the bottom and top shells of the filter refills are made from polypropylene and can be placed in the same recycling bin with all our wafers and surplus racks. Additionally, the bottom shells are nestable in order to reduce waste volume. The top and bottom shells of the filter tip refill are the same size as the top and bottom shells of the non-filtered 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 from each individually-wrapped refill.

Hold both the refill and the cover by the finger tabs and place inside an empty TipOne® rack until it clicks into place.



Remove the refill cover.

NOTE: The filter tip refill can be used in the new TipOne® racks only. New racks can be identified by the TipOne® logo on the front and three indentations on either side.

The Compact Stack Rack

The compact stack rack

New!

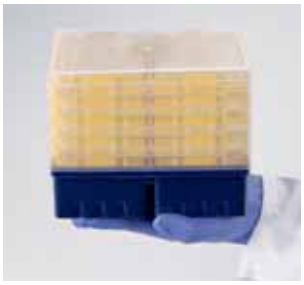
The next generation stack rack design resembles the new, improved rack with a wide base for stability and a transparent lid to protect the tips.

The stack rack provides 960 tips in one convenient and compact unit, making it an excellent choice for high throughput or multi-channel use.

All the tip information printed on the wafers can be easily read 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 interlocked 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

New!

Loose TipOne® tips are now available in a new and convenient self-standing bag which provides easy access and storage. The tamper-proof perforation strip on bag enables easy opening. A resealable zip-lock provides contamination-free storage of opened product. The bag is made from recyclable polyethylene.

TipOne

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)**
New! **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)**
New! **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)**
New! **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)**
New! **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)**
New! **1000 µl** Graduated Tip (Graduations: 250 µl, 500 µl, 1000 µl)	**S1111-6000** £23.37 **S1111-6000-C (20)**	**S1111-6800** £36.37 **S1111-6800-C (4*)**	**S1111-6810** £42.92 **S1111-6810-C (4)**
New! **1000 µl** Blue Graduated Tip (Graduations: 250 µl, 500 µl, 1000 µl)	**S1111-6001** £23.37 **S1111-6001-C (20)**	**S1111-6801** £36.37 **S1111-6801-C (4*)**	**S1111-6811** £42.92 **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** £41.73 **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. Case sizes are available at discount!

***NEW CASE SIZES:** For safer transportation and easier handling we optimised the case sizes, eg. all cases now weigh less than 10kg.
While new system items will be introduced gradually, ALL part numbers will stay the same so there is no need to change your ordering information.

FREE SAMPLE TRY before you BUY available on request

	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** £35.41 **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 £27.31 **S1110-9700-C (10*)**	**n/a**	**n/a**	
	S1111-6700 £27.30 **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

All TipOne® tips are certified RNase, DNase, DNA & Pyrogen free

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

TipOne® Filter Tips: pages 22–23
TipOne® RPT: pages 24–25

Our new racks and filter refills are supplied in a new shelf box which can be easily identified by the new design (above).

When ordering by the case (part numbers ending with -c) you will receive new system products in the new case packaging, easily identified by the black TipOne® logo (above).

Therefore, you will be able to easily distinguish between old and new-style system items in your warehouse.

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 right, speak for themselves!

Why use TipOne® filter tips?

Quality! TipOne® filters are made from high density pure polyethylene (HDPE).

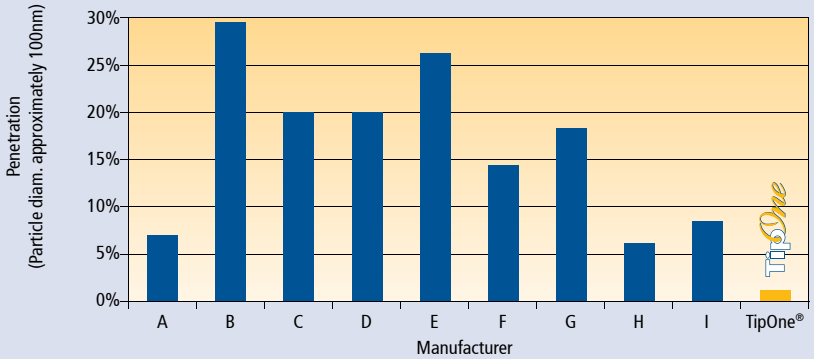
Safety! They contain no additives which can interfere with your samples.

Retrieval! TipOne® filters are hydrophobic and will not absorb your samples the way sealing filters do, allowing recovery of your valuable samples if necessary.

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

Reuse the filter tip rack with either our non-filter or filter tip refills; economical and eco-friendly!

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



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

TipOne

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

New!

FILTER TIPS (STERILE)	Racked (Sterile)	Filter Refill (Sterile)	Colour Coding
	10 x 96-Tip Sterile Racks	10 x 96 Sterile Filter 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)**	●
New! **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)**	●
New! **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)**	●
New! **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)**	●
New! **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. Case sizes are available at discount!

While new system items will be introduced gradually, ALL part numbers will stay the same so there is no need to change your ordering information.

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

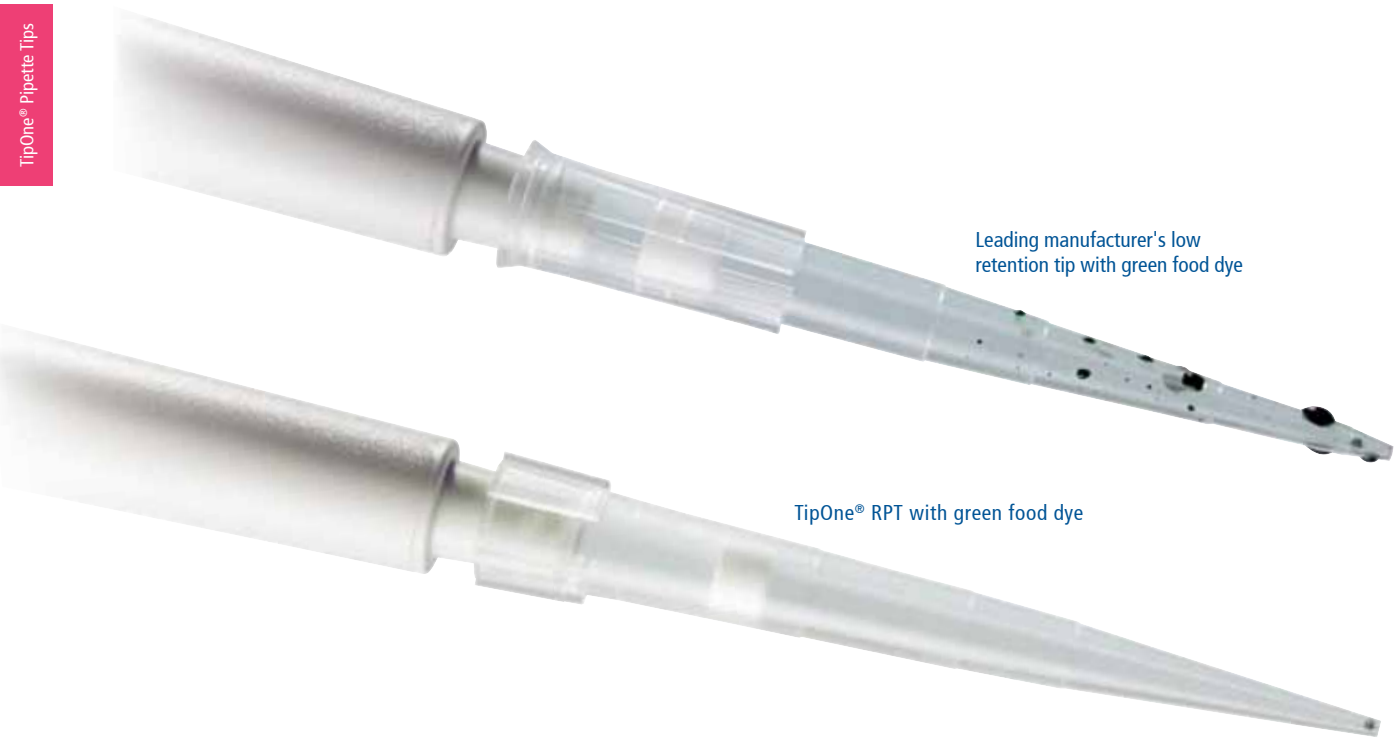
S0000-1002: Small racks for use with all refills 10 µl to 300 µl

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

FREE SAMPLE TRY before you BUY available on request

STAR LAB

TipOne® RPT



Leading manufacturer's low retention tip with green food dye

TipOne® RPT with green food dye

RPT: A technical breakthrough!

STARLAB's Repel Polymer Technology (RPT) optimises conventional polypropylene surfaces to improve the flow of 'sticky' liquids. STARLAB's TipOne® RPT tips have no coating to interfere with your sample and offer an extremely hydrophobic surface.

RPT tip features

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

All TipOne® RPT tips are certified RNase, DNase, DNA & Pyrogen free

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

FREE SAMPLE TRY before you BUY available on request

TipOne® RPT tips are supplied in the same style packaging as other TipOne® tips so the RPT refills can be used in non-RPT TipOne® racks too.

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 RPT

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

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) *New!*	**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) *New!*	**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) *New!*	**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. Case sizes are available at discount!

***NEW CASE SIZES:** For safer transportation and easier handling we optimised the case sizes, eg. all cases now weigh less than 10kg. While new system items will be introduced gradually, ALL part numbers stay the same so there's no need to change your ordering information.

RPT FILTER TIPS (STERILE)	Racked (Sterile)	Filter Refill (Sterile)
	10 x 96-Tip Sterile Racks	10 x 96 Sterile Filter 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) *New!*	**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) *New!*	**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) *New!*	**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) *New!*	**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 Collections

IT'S EASY TO RECYCLE WITH STARLAB!

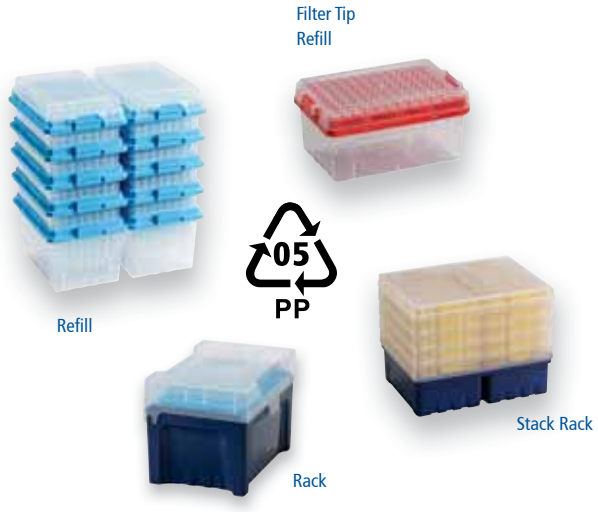
No need to separate different plastics!

All components of the new TipOne® system are made from polypropylene, so the rack, the refill wafers, and the refill's spacers and top and bottom shells, can all go into the same recycling bin.

Convenient!

We will set up recycling collections to suit your individual lab or site-wide requirements. We can arrange a regular collections (eg. monthly) or can collect your recycling on an ad-hoc basis as and when you let us know you have recycling ready for collection. In order to be as green as possible, please collect as much recycling as space allows before requesting a 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 REYCLING BINS AVAILABLE TO SUIT YOUR NEEDS

Recycling crate

Ideal for use in/outside stores. Please note that easy truck access at your site is essential.

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

STARLAB Recycling Bag

Clear, heavy-duty recycling bags for use in the wheelie bin, pop-up bin and cardboard bin. Made from recycled and recyclable material. Supplied with heavy-duty nylon cable ties to secure contents for collection.

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

SMALL Bag to fit either the pop-up bin or cardboard recycling bin. Can also be used on its own.
Cat. No. S5000-7200

Recycling bins

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

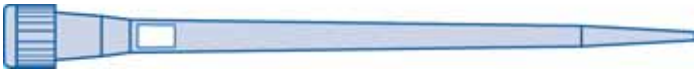
Cardboard recycling bin, Cat. No. S5000-7600
Dimensions (WxDxH): 30.5 x 30.5 x 75 cm

Green pop-up recycling bin, Cat. No. S5000-7000
Dimensions (HxØ): 60 x 50 cm

STARLAB is constantly looking at ways of improving the recycling service. Other styles of container for collecting your recycling may be available. Please check with the STARLAB office or on our website to see what is currently available. Also see our website to see what happens to your recycling and for more information on STARLAB's green policies.

www.starlab.co.uk for recyling info

Extended Length Tips

Extended Length Tips					
All tips are certified and natural in colour.	Cat. No.	Pack Type	Sterile	Pack Size	Price
200 µl XL Tip For use with but not limited to: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®, Volac®	I1011-0020	Bag	No	1000	£27.78
	I1011-0920	204-Tip Rack	No	8 x 204	£99.80
	E1011-0921	204-Tip Rack	Yes	8 x 204	£107.43
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®	I1011-0830	204-Tip Rack	Yes	8 x 204	£179.45
 **200 µl** XL Filter Tip For use with but not limited to: ErgoOne®, Eppendorf®, Finnpipette®, MLA®	I1011-5830	100-Tip Rack	Yes	8 x 100	£88.47
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®	E1011-1002	Bag	No	1000	£21.46
	E1011-1430	100-Tip Rack	No	10 x 100	£45.55
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®	E1011-1008	Bag	No	1000	£68.32
	I1026-7810	100-Tip Rack	Yes	10 x 100	£106.12
1250 µl XL Tip For use with but not limited to: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, StarPet E, Titertek®, Volac®	I1011-3000	96-Tip Rack	No	8 x 96	£44.24
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®	I1011-3010	96-Tip Rack	Yes	8 x 96	£80.89

384-Format Tips

384-Format Tips					
Certified RNase, DNase and Endotoxin free. All tips natural in colour.	Cat. No.	Pack Type	Sterile	Pack Size	Price
30 µl CAPP-Style 384-Format Tip For use with but not limited to: CAPP® 16- 34- & 64-Channel	E3840-3000	384-Tip Rack	No	10 x 384	£467.64
	E3840-3010	384-Tip Rack	Yes	10 x 384	£518.20
50 µl CAPP-Style 384-Format Tip, Low-Retention For use with but not limited to: CAPP® 16- 34- & 64-Channel	E3840-5110	384-Tip Rack	Yes	10 x 384	£497.49

New!

Large Volume Tips

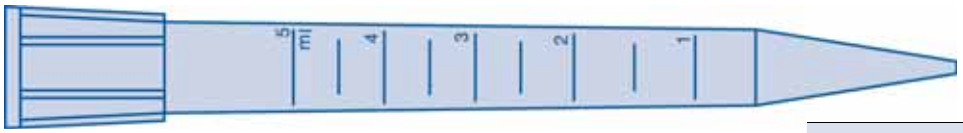
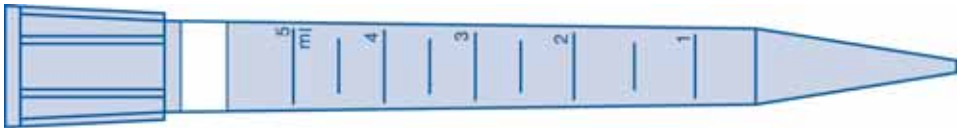
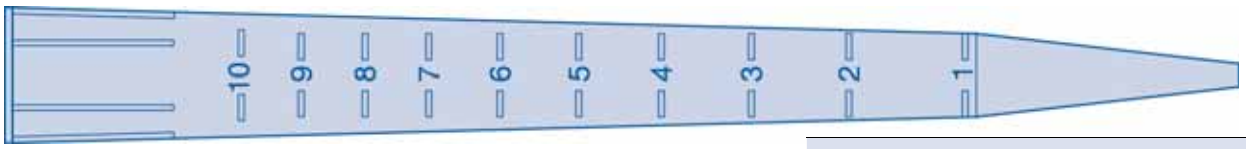
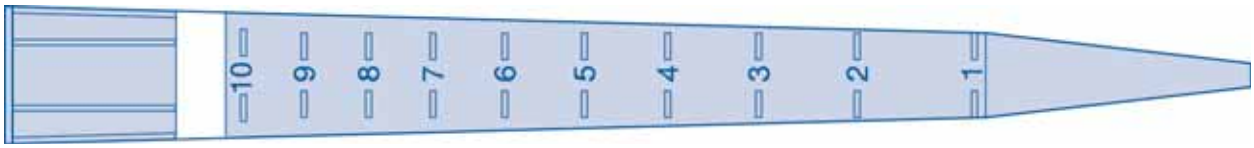
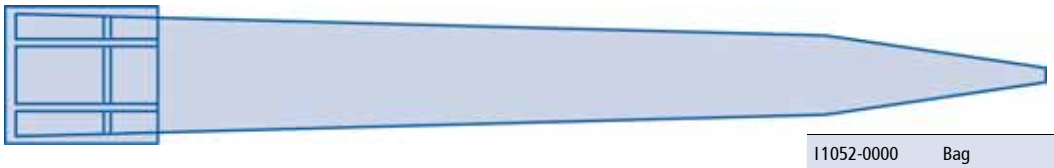
Large Volume Tips

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

Cat. No.	Pack Type	Sterile	Pack Size	Price
1200 Tip For use with: Biohit® Proline				
I1012-6400	96-Tip Rack	No	10 x 96	£47.81
I1012-6410	96-Tip Rack	Yes	10 x 96	£53.06
1250 µl Matrix-Style Tip For use with: Matrix® Impact and Impact 2				
E1250-0000	Bag	No	500	£26.59
E1250-0700	96-Tip Rack	No	12 x 96	£82.15
E1250-0710	96-Tip Rack	Yes	12 x 96	£101.16
1250 µl Matrix-Style Filter Tip For use with: Matrix® Impact and Impact 2				
E1250-0718	96-Tip Rack	Yes	12 x 96	£135.21
2500 µl Eppendorf-Style Tip For use with: Eppendorf®, Socorex®				
I1008-9000	Bag	No	500	£44.24
5000 µl Biohit-Style Tip For use with: Biohit®, Eppendorf®, Genex®				
E1009-7000	Bag	No	250	£22.77
5000 µl Biohit-Style XL Tip For use with: Biohit®, Eppendorf®, Genex®				
E1009-7001	Bag	No	250	£25.28
5000 µl Eppendorf-Style Graduated Macro Tip For use with: Eppendorf®, Biohit®, Socorex®				
I1053-0000	Bag	No	250	£14.90
I1053-0700	50-Tip Rack	No	10 x 50	£58.78
I1053-0710	50-Tip Rack	Yes	10 x 50	£65.70
5000 µl Eppendorf-Style Graduated Filter Macro Tip For use with: Eppendorf®, Biohit®				
I1053-0728	50-Tip Rack	Yes	2 x 50	£64.51
5000 µl Finn-Style Tip For use with: ErgoOne® E, Finnpipette®, Brand®, SMI®, Socorex®				
E1009-5000*	Bag	No	250	£22.71
E1009-5700*	Racked	No	4 x 50	£99.93
5000 µl Finn-Style Filter Tip For use with: ErgoOne® E, Finnpipette®, Brand®, SMI®, Socorex®				
E1009-5718	Racked	Yes	1 x 50	£42.02

Large Volume Tips

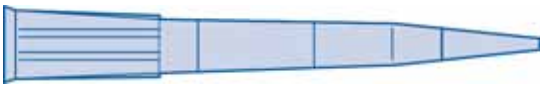
Large Volume Tips

All tips are certified and natural in colour (unless stated otherwise). Tips shown actual size.	Cat. No.	Pack Type	Sterile	Pack Size	Price
					
	I1050-0000	Bag	No	250	£14.55
5000 µl Gilson-Style Graduated Macro Tip For use with: ErgoOne®, Gilson®, Nichiryo®, StarPet, Volac®	I1050-0700	50-Tip Rack	No	10 x 50	£58.19
	I1050-0710	50-Tip Rack	Yes	10 x 50	£63.19
					
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	£56.28
					
	I1054-0000	Bag	No	200	£31.60
10 ml Gilson-Style Graduated Macro Tip For use with: Gilson®, Eppendorf®, Rainin®, Socorex®, StarPet	I1054-0001	25-Tip Rack	No	10 x 25	£75.83
	I1054-0011	25-Tip Rack	Yes	10 x 25	£82.15
					
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	£50.56
					
	I1052-0000	Bag	No	200	£22.77
10 ml Finn/Socorex-Style Blue Tip For use with: Finn®, Socorex®	I1052-0001	25-Tip Rack	No	10 x 25	£56.88
	I1052-0010	25-Tip Rack	Yes	10 x 25	£67.01
10 ml Finn/Socorex-Style Blue Filter Tip (Working Vol. 9.5ml) For use with: Finn®, Socorex®	I1052-0028	25-Tip Rack	Yes	2 x 25	£50.56

FREE SAMPLE TRY before you BUY available on request

Wide Orifice Tips

Wide Orifice Tips

All tips are certified and natural in colour. Tips shown actual size.	Cat. No.	Pack Type	Sterile	Pack Size	Price
200 µl Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, MLA®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, StarPet E, Titertek®, Volac®	I1011-8000	Bag	No	1000	£20.27
New! **200 µl** Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Brand®, Capp®, Eppendorf®, Finnpipette®, Labnet®, Matrix®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, VWR®	E1011-5000	Bag	No	1000	£17.51
	E1011-5100	96-Tip Rack	No	10 x 96	£26.78
	E1011-5110	96-Tip Rack	Yes	10 x 96	£32.96
200 µl Graduated Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Fisherbrand®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, StarPet E, Titertek®, Volac®	E1011-8000	Bag	No	1000	£19.31
200 µl Filter Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Brand®, CAPP®, Eppendorf®, Finnpipette®	E1011-8618	96-Tip Rack	Yes	10 x 96	£90.85
 **1000 µl** Graduated Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Costar®, Eppendorf®, Finnpipette®, Fisherbrand®, Nichiryo®, Oxford-Benchmate®, Rainin®, SMI®, Socorex®, StarPet, Titertek®, Volac®	E1011-9000	Bag	No	1000	£24.09
1000 µl Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Brand®, CAPP®, Eppendorf®, Finnpipette®	E1011-9601	100-Tip Rack	No	10 x 100	£52.24
	E1011-9611	100-Tip Rack	Yes	10 x 100	£60.19
1000 µl Filter Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Brand®, CAPP®, Eppendorf®, Finnpipette®	E1011-9618	96-Tip Rack	Yes	10 x 100	£90.85

FREE SAMPLE TRY before you BUY available on request

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.	N2000-0025	X-Tracta™ Gel Extraction Tool	25	£16.34
	N2000-0100	X-Tracta™ Gel Extraction Tool	100	£59.26

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
10 µl Round Gel-Loading Tip For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, StarPet	Length: Total 56.62 mm / Flexible: 25.30 mm. Orifice: OD. 0.58 mm / ID. 0.30 mm				
	I1010-3000	Bag	No	1000	£32.91
	I1010-3600	204-Tip Rack	No	5 x 204	£55.56
	I1010-3610	204-Tip Rack	Yes	5 x 204	£61.29
10 µl Round Gel-Loading Filter Tip For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, StarPet	Total 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	£106.12
10 µl Round Gel-Loading Tip For use with: ErgoOne®, Eppendorf®, Gilson®, Nichiryo®, Oxford-Benchmate®, Socorex®, StarPet	Length: Total 71.25 mm / Flexible capillary 25.3 mm. Orifice: OD. 0.58 mm / ID. 0.30 mm				
	I1012-3600	204-Tip Rack	No	8 x 204	£78.34
	I1012-3610	204-Tip Rack	Yes	8 x 204	£85.97
20 µl Round Gel-Loading Filter Tip For use with: ErgoOne®, Gilson®, Costar®, Eppendorf®, MLA®, Socorex®, Volac®	Total Length: 68 mm. Orifice: OD. 0.60 mm / ID. 0.30 mm				
	E1021-0618	204-Tip Rack	Yes	5 x 204	£107.43
100 µl Round Gel-Loading Filter Tip For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Nichiryo®, Oxford-Benchmate®, Socorex®, StarPet, Titertek®, Volac®	Total Length: 68 mm. Orifice: OD. 0.60 mm / ID. 0.30 mm				
	E1022-0008	Bag	No	1000	£68.32
	I1022-0810	204-Tip Rack	Yes	5 x 204	£107.43
200 µl Round Gel-Loading Tip For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Finnpipette®, MLA®, Nichiryo®, Oxford-Benchmate®, Rainin®, StarPet, Socorex®, Titertek®, Volac®	Total Length: 68 mm. Orifice: OD. 0.60 mm / ID. 0.30 mm				
	I1022-0000	Bag	No	1000	£35.41
	I1022-0600	204-Tip Rack	No	5 x 204	£55.56
	I1022-0610	204-Tip Rack	Yes	5 x 204	£61.88

Flat Gel-Loading Tips

All tips are certified and natural in colour. Tips shown actual size.	Cat. No.	Pack Type	Sterile	Tip Thickness	Pack Size	Price
10 µl Flat Gel-Loading Tip For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, StarPet	I1012-2600	200-Tip Rack	No	0.20 mm	1 x 200	£63.19
	I1012-4600	200-Tip Rack	No	0.40 mm	1 x 200	£48.05
10 µl Flat Gel-Loading Tip For use with: ErgoOne®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, Socorex®, StarPet	I1011-2600	200-Tip Rack	No	0.20 mm	1 x 200	£63.19
	I1011-4600	200-Tip Rack	No	0.40 mm	1 x 200	£56.88
200 µl Flat Gel-Loading Tip For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Fisherbrand®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®	I1022-2600	200-Tip Rack	No	0.20 mm	1 x 200	£63.19
	I1022-4600	200-Tip Rack	No	0.40 mm	1 x 200	£71.30

TipOne® Repeat Dispenser Tips

New!

TipOne® Repeat

Our TipOne® Repeat dispenser tips have been upgraded. This new range is still made from the same high-quality materials, and now has the following features:

- New, 0.1ml volume tip
- Compatible with a wider range of dispensers
- Tip volume recognition with Multipette® Plus
- Up to 100 dispenser steps with Multipette® Plus
- Separate adapters for 25 ml and 50 ml tips, easily distinguishable by colour
- Extended piston length for most volumes minimises dead air volume, improves reagent delivery and provides easier access to narrow vessels
- Lower dispensing forces

TipOne® Repeat Dispenser Tips

Cat. No.	Description	Pack Size	List Price
	Non-Sterile		
S4751-0010	0.1 ml TipOne® Repeat Dispenser Tips	100	£70.04
S4751-0050	0.5 ml TipOne® Repeat Dispenser Tips	100	£61.80
S4751-0100	1.0 ml TipOne® Repeat Dispenser Tips	100	£61.80
S4751-0250	2.5 ml TipOne® Repeat Dispenser Tips	100	£61.80
S4751-0500	5.0 ml TipOne® Repeat Dispenser Tips	100	£61.80
S4751-1000	10 ml TipOne® Repeat Dispenser Tips	100	£61.80
S4751-2500	25 ml TipOne® Repeat Dispenser Tips*	100	£77.25
S4751-5000	50 ml TipOne® Repeat Dispenser Tips*	100	£87.55
S4756-2500	Adaptor for 25 ml Dispenser Tips, Blue	1	£5.49
S4756-5000	Adaptor for 50 ml Dispenser Tips, Grey	1	£5.49
	Sterile, Individually-Wrapped		
S4761-0010	0.1 ml TipOne® Repeat Dispenser Tips (Sterile)	100	£101.97
S4761-0050	0.5 ml TipOne® Repeat Dispenser Tips (Sterile)	100	£93.73
S4761-0100	1.0 ml TipOne® Repeat Dispenser Tips (Sterile)	100	£93.73
S4761-0250	2.5 ml TipOne® Repeat Dispenser Tips (Sterile)	100	£93.73
S4761-0500	5.0 ml TipOne® Repeat Dispenser Tips (Sterile)	100	£93.73
S4761-1000	10 ml TipOne® Repeat Dispenser Tips (Sterile)	100	£93.73
S4761-2500	25 ml TipOne® Repeat Dispenser Tips (Sterile)*	100	£113.30
S4761-5000	50 ml TipOne® Repeat Dispenser Tips (Sterile)*	100	£120.51
S4765-2500	Adaptor for 25 ml Dispenser Tips (Sterile), Blue	7	£41.20
S4765-5000	Adaptor for 50 ml Dispenser Tips (Sterile), Grey	7	£41.20

*25 ml & 50 ml tips supplied with four adapters.

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. Finnpipette® Stepper

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

Application Guide

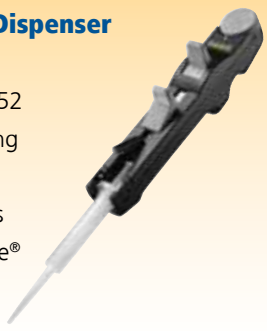
Dispenser Tip Volume	Dispenser Adjustment				
	1	2	3	4	5
0.1 ml	2 µl	4 µl	6 µl	8 µl	10 µl
0.5 ml	10 µl	20 µl	30 µl	40 µl	50 µl
1.0 ml	20 µl	40 µl	60 µl	80 µl	100 µl
2.5 ml	50 µl	100 µl	150 µl	200 µl	250 µl
5.0 ml	100 µl	200 µl	300 µl	400 µl	500 µl
10 ml	200 µl	400 µl	600 µl	800 µl	1000 µl
25 ml	500 µl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

*Number of steps may vary according to dispenser manufacturer.

Note: TipOne® Repeat dispenser tips are not autoclavable.

Repeat Dispenser

See page 52 for ordering details of STARLAB's RepeatOne® Dispenser



CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

ROBOTIC TIPS

Perfect fit and precision!

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

OVERVIEW 34

TIPS FOR BECKMAN COULTER®
Biomek® 1000 & 2000 35
Biomek® 3000 36–37
Biomek® FX & NX 36–37
Multimek® 36–37

TIPS FOR PACKARD®
MultiProbe® II 38
MultiProbe® IIHT/EX 38

TIPS FOR PERKIN ELMER®
Janus® 39
Evolution® P³, MiniTrak™ & PlateTrak™ 39

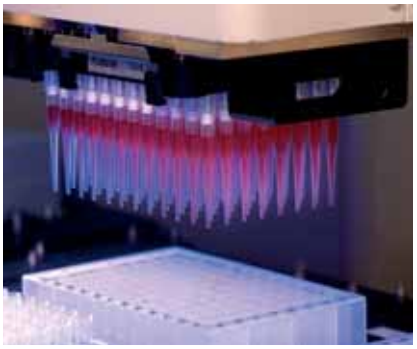
TIPS FOR QIAGEN®
QIAgility® (formerly Corbett CAS-1200) 39

TIPS FOR TECAN®
Freedom EVO® 40
Genesis & MiniPrep 40

TIP–ROBOT COMPATIBILITY 41

ROBOTIC RESERVOIRS 42

STARLAB 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 manufacturers' tips to ensure compatibility and a consistent fit. Don't risk having your time and results compromised with defective materials and poor performance! With STARLAB, you can put your trust in disposables from a company that offers much more than just tips.

All robotic tips are certified RNase, DNase and DNA free

Quality control

Quality control is the essential factor which gives you the freedom to walk away from your automated workstation and get on with other tasks. You need the assurance that the tip will not let you down. STARLAB robotic tips are put through stringent and thorough testing. Every lot of tips is subject to an array of demanding tests, from the geometry of the tip itself to automation-specific requirements such as clean ejection from the liquid handling head. Every lot is required to meet or exceed the parameters necessary to give you that confidence to walk away.

Tips are tested on the original robotic equipment so there is no doubt they will perform to the same requirements as the disposables from the robot manufacturer themselves.

No special set-up required!

STARLAB robotic tips require no instrument hardware of 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.

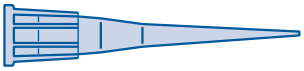
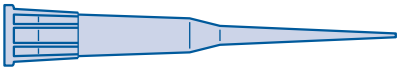
Recycle your Robotic Tip Racks

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 26 for more information on the different recycling options available.

Tips for Beckman Coulter®

• Biomek® 1000 • Biomek® 2000

	Rack Style/Head	Racks	Sterile Racks
		10 Racks per Pack*	10 Racks per Pack*
 **20µl** Tip	Grey SBS Rack P20, MP20, P200, MP200	**I1060-2400** £36.61 **I1060-2400-C** (5)	**I1060-2410** £40.42 **I1060-2410-C** (5)
30µl Filter Tip	Orange SBS Rack P20, MP20, P200, MP200	**n/a**	**I1060-5810** £97.30 **I1060-5810-C** (5)
50µl Tip	Orange SBS Rack P20, MP20, P200, MP200	**n/a**	**I1060-5410** £51.15 **I1060-5410-C** (5)
 **250µl** Tip	Black SBS Rack P200, MP200	**I1062-0400** £36.61 **I1062-0400-C** (5)	**I1062-0410** £39.23 **I1062-0410-C** (5)
1000µl Tip	Black Non-SBS Rack P1000	**10 x 72-Tip Racks** **E1075-3700** £78.34 **E1075-3700-C** (5)	**10 x 72-Tip Racks** **E1075-3710** £82.15 **E1075-3710-C** (5)

*Pack sizes are 10 x 96-tip racks, unless stated otherwise.

CASE SIZES available at discount!

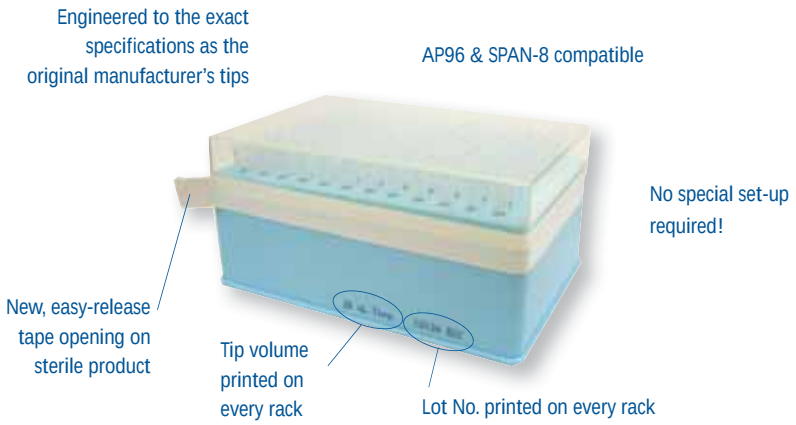
Cat. Nos ending in **-C** are case sizes, the number in brackets beside the case price is the number of packs per case.

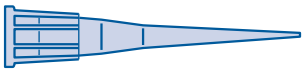
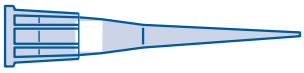
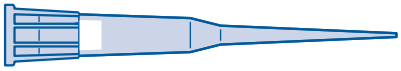
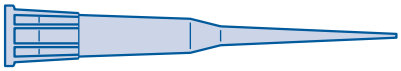
Tips for Beckman Coulter®

• Biomek® FX • Biomek® NX • Biomek® 3000 & 4000 • Multimek®

No programming or software changes required!

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



	Rack Style / Head	Non-Sterile	Sterile
		10 Racks per Pack	10 Racks per Pack
 **20µl** Tip	Pale Blue SBS Rack AP96, SPAN-8, MP20	**E1076-4400** £42.33 **E1076-4400-C** (5)	**E1076-4410** £45.55 **E1076-4410-C** (5)
 **20µl** Filter Tip	Pale Blue SBS Rack AP96, SPAN-8, MP20	**n/a**	**E1076-4418** £103.62 **E1076-4418-C** (5)
50µl Filter Tip	Orange SBS Rack AP96, SPAN-8, MP20, MP200	**n/a**	**E1076-2418** £103.62 **E1076-2418-C** (5)
50µl Tip	Orange SBS Rack AP96, SPAN-8, MP20, MP200	**E1076-2400** £54.97 **E1076-2400-C** (5)	**E1076-2410** £58.07 **E1076-2410-C** (5)
 **175µl** Filter Tip	Green SBS Rack AP96, SPAN-8, MP200	**n/a**	**E1076-0418** £116.25 **E1076-0418-C** (5)
 **250µl** Tip	Green SBS Rack AP96, SPAN-8, MP200	**E1076-0400** £42.33 **E1076-0400-C** (5)	**E1076-0410** £45.55 **E1076-0410-C** (5)

Tips also compatible with Gilson® Cyberlab®.

CASE SIZES available at discount!

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

Tips for Beckman Coulter®

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

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
- Recycle the refill wafers with your other STARLAB recycling (see page 26)
- Certified RNase, DNase, DNA and PCR Inhibitor free

Engineered to the exact specifications as original manufacturer's tips

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

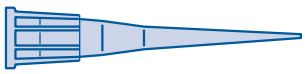
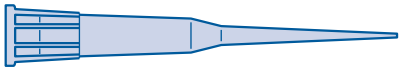
System is colour-coded same as 'normal' racks

No special set-up required!

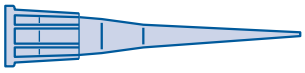
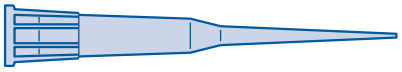
Tip volume and Lot No. printed on every refill

AP96 & SPAN-8 compatible

Refillable racks Get yourself started by first buying the refillable racks.

Refillable Racks	Rack Style / Head	Non-Sterile	Sterile
		10 Pre-Filled Refillable Racks	10 Pre-Filled Refillable Racks
 **20µl** Tip	Pale Blue Refillable Rack AP96, SPAN-8	**E1076-4800** £35.41 **E1076-4800-C** (5)	**E1076-4810** £40.42 **E1076-4810-C** (5)
 **250µl** Tip	Green Refillable Rack AP96, SPAN-8	**E1076-0800** £35.41 **E1076-0800-C** (5)	**E1076-0810** £40.42 **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
		2 Stacks of 5 Refills	2 Stacks of 5 Refills
 **20µl** Tip	Pale Blue Refill AP96, SPAN-8	**E1076-4700** £32.91 **E1076-4700-C** (5)	**E1076-4710** £36.72 **E1076-4710-C** (5)
 **250µl** Tip	Green Refill AP96, SPAN-8	**E1076-0700** £32.91 **E1076-0700-C** (5)	**E1076-0710** £36.72 **E1076-0710-C** (5)

CASE SIZES available at discount!

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

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

Tips for Packard®

• MultiProbe® II • MultiProbe® IIHT/EX

	Rack Style / Head	Non-Sterile	Sterile
		24 Racks per Pack	24 Racks per Pack
10µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-3700** £379.17	**R1081-3700** £410.77
10µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-3810** £391.81	**R1028-3810** £431.04
50µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-5700** £379.17	**R1081-5700** £404.45
50µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-5810** £391.81	**R1028-5810** £424.72
200µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-0700** £107.43	**R1081-0700** £132.71
200µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-0810** £145.35	**R1028-0810** £151.67
1000µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-2700** £139.03	**R1081-2700** £151.67
1000µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-2810** £176.95	**R1028-2810** £192.09
10µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-3709** £368.34	**R1081-3709** £404.45
10µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-3819** £391.81	**R1028-3819** £417.09
50µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-5709** £379.17	**R1081-5709** £398.13
50µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-5819** £380.61	**R1028-5819** £417.09
200µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-0709** £126.39	**R1081-0709** £139.03
200µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-0819** £170.63	**R1028-0819** £185.77
1000µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-2709** £145.35	**R1081-2709** £145.35
1000µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-2819** £189.58	**R1028-2819** £204.73

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

Pack sizes only available in this range.

Tips for Perkin Elmer®

• Janus® • Evolution® P3 • MiniTrak™ • PlateTrak™

	Rack Style / Head	Non-Sterile	Sterile
		10 Racks per Pack	10 Racks per Pack
20µl Tip	Green SBS Rack MDT-96 P50	**E1078-2400** £50.56 **E1078-2400-C** (5)	**n/a**
50µl Tip	Green SBS Rack MDT-96 P50	**E1078-5400** £46.74 **E1078-5400-C** (5)	**n/a**
180µl Filter Tip	Green SBS Rack MDT-96 P235	**n/a**	**E1078-6418** £94.79 **E1078-6418-C** (5)

Tips for Qiagen®

• QIAgility® (formerly CAS-1200)

	Rack Style / Head	Non-Sterile	Sterile
		10 Racks per Pack	10 Racks per Pack
50µl Conductive Filter Tip	Clear Hanging Rack Single-Channel Pipette	**n/a**	**E1172-1418** £145.35 **E1172-1418-C** (5)
200µl Conductive Filter Tip	Clear Hanging Rack Single-Channel Pipette	**n/a**	**E1173-2418** £141.54 **E1173-2418-C** (5)

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

Tips for Tecan® (with LiHa)

• Freedom EVO® • Genesis® Series • MiniPrep®

	Rack Style / Head	Non-Sterile	Sterile
		24 Racks per Pack	24 Racks per Pack
10µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-3700** £379.17	**R1081-3700** £410.77
10µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-3810** £391.81	**R1028-3810** £431.04
50µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-5700** £379.17	**R1081-5700** £404.45
50µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-5810** £391.81	**R1028-5810** £424.72
200µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-0700** £107.43	**R1081-0700** £132.71
200µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-0810** £145.35	**R1028-0810** £151.67
1000µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-2700** £139.03	**R1081-2700** £151.67
1000µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-2810** £176.95	**R1028-2810** £192.09
10µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-3709** £368.34	**R1081-3709** £404.45
10µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-3819** £391.81	**R1028-3819** £417.09
50µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-5709** £379.17	**R1081-5709** £398.13
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200µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-0709** £126.39	**R1081-0709** £139.03
200µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-0819** £170.63	**R1028-0819** £185.77
1000µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-2709** £145.35	**R1081-2709** £145.35
1000µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-2819** £189.58	**R1028-2819** £204.73

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

Pack sizes only available in this range.
Racks supplied in individual blister packs.

Robot–Tip Compatibility

	Page 35	Page 36	Page 37	Page 38	Page 39	Page 40
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, SPAN-8		✓	✓			
Beckman® Biomek® FX: MP20, MP200, AP384		✓				
Beckman® Biomek® NX: AP96, SPAN-8		✓	✓			
Beckman® Biomek® NX: MP20, MP200, AP384		✓				
Beckman® Multimek®: AP96		✓	✓			
Beckman® Multimek®: MP20, MP200		✓				
Corbett® CAS-1200: Single-Channel Head				✓	✓	✓
Gilson® Cyberlab®		✓				
Packard® Multiprobe® II: Varispan -4 -8				✓		
Packard® Multiprobe® IIEX/HT: Varispan -1, -4 -8				✓		
Perkin Elmer® Evolution® P3: MDT-96 P50, P235					✓	
Perkin Elmer® Janus®: MDT-96 P50, P235,					✓	
Perkin Elmer® MiniTrak™: MDT-96 P50, MDT-96 P235					✓	
Perkin Elmer® PlateTrak™: MDT-96 P50, MDT-96 P235					✓	
Qiagen® QiAgility®: Single-Channel Pipette				✓	✓	✓
Tecan® Aquarius®: MCA96						
Tecan® Freedom EVO®: LiHa-1, -4 & -8					✓	✓
Tecan® Genesis: LiHa-1, -4 & -8					✓	✓
Tecan® MiniPrep: LiHa-1, -4 & -8					✓	✓
Tecan® Te-MO™: Te-MO 96					✓	
Tecan® Te-MO™: MCA 96					✓	

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 before placing an order.

CASE SIZES available at discount!

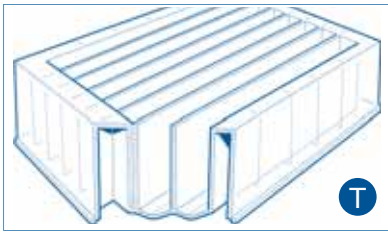
All Cat. Nos ending in **-C** are case sizes, the number in brackets beside the case price is the number of packs per case.

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 high- or low-profile and two well styles. The sturdy polypropylene construction ensures rigidity during automation and provides excellent chemical resistance.

All robotic reservoirs are certified RNase, DNase and Pyrogen free

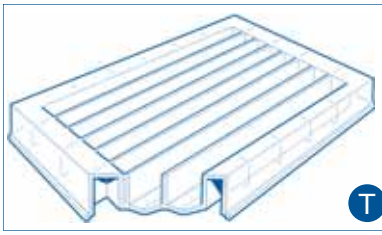


Multi-Well
8-Channel
High Profile

80ml reservoir, multi-well with 8 x 10ml troughs

T

E2999-8008
£184.58 /pack 25

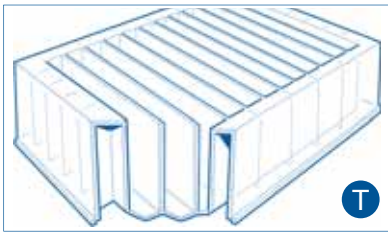


Multi-Well
8-Channel
Low Profile

32ml reservoir, multi-well with 8 x 4.0ml troughs

T

E2999-3208
£184.58 /pack 25

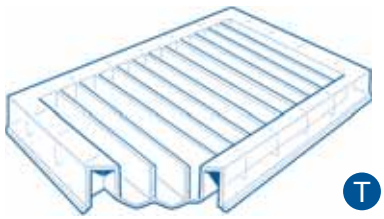


Multi-Well
12-Channel
High Profile

84ml reservoir, multi-well with 12 x 7.0ml troughs

T

E2999-8412
£184.58 /pack 25

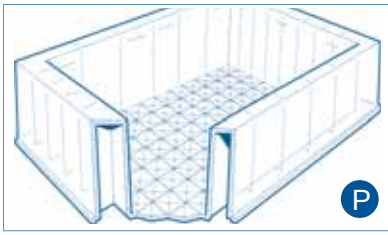


Multi-Well
12-Channel
Low Profile

21ml reservoir, multi-well with 12 x 1.75ml troughs

T

E2999-2112
£184.58 /pack 25

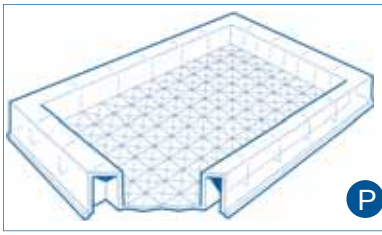


Single-Well
96 Pyramid Bottoms
High Profile

240ml reservoir, single-well with 96 pyramid wells

P

E2999-2496
£184.58 /pack 25

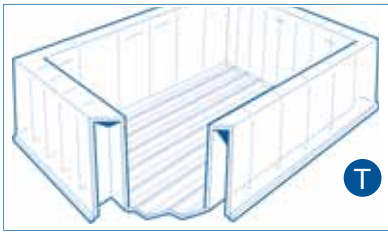


Single-Well
96 Pyramid Bottoms
Low Profile

86ml reservoir, single-well with 96 pyramid wells

P

E2999-8696
£179.30 /pack 25

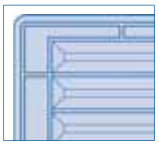


Single-Well
8 Trough Bottoms
High Profile

290ml reservoir, single-well with 8 troughs

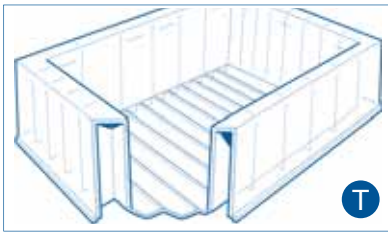
T

E2999-2908
£184.58 /pack 25



T TROUGH

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

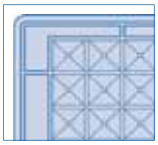


Single-Well
12 Trough Bottoms
High Profile

290ml reservoir, single-well with 12 troughs

T

E2999-2912
£184.58 /pack 25



P PYRAMID

Pyramid -shaped collection pools to help minimise dead volume

PIPETTES

Ergonomic!

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

MANUAL PIPETTES
ErgoOne® Pipettes Overview 44–45
ErgoOne® Single-Channel Pipettes 46
ErgoOne® Multi-Channel Pipettes 47
Pipette Stands 47
CAPP® Multi-Channel Pipettes..... 48

ELECTRONIC PIPETTES
StarPet E Single & Multi-Channel Pipettes 49

PIPETTE CONTROLLER
ErgoOne® FAST 50

SEROLOGICAL PIPETTES
Polystyrene Pipettes 51

REPEAT DISPENSER
RepeatOne® Dispenser 52

ErgoOne® Pipettes Overview

ErgoOne

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.

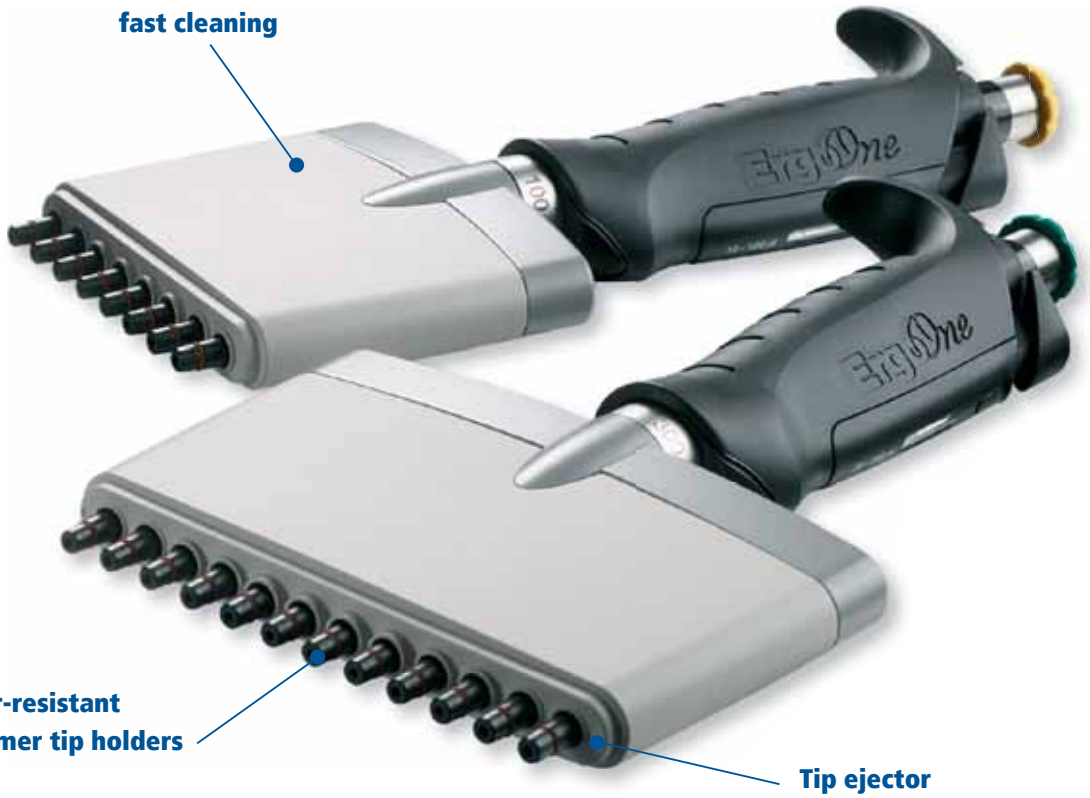
As one of the most frequently used instruments in the laboratory, pipettes must also be comfortable to use and provide the features you need. ErgoOne® pipettes combine researcher-requested features with the latest ergonomic principles to provide optimum performance. ErgoOne® gives you accuracy and precision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

Features

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



Colour coding

Volume lock
Prevents drift during use

Ergonomically designed
Finger rest ensures comfort and ease during use.

product design award 2010

Smooth action tip ejector

Contoured chemically-resistant PP handle

Lightweight

Volume display
Positioned so it is visible during pipetting

4-digit volume display for greater accuracy

Fully autoclavable
Can also be UV sterilised

Three-year warranty

Easily removable tip ejector for fast cleaning

CE Marked for IVD

Universal tip fit!

Reduced diameter tip ejector
For easy access into small tubes

Integral, rust-free tip ejector

ErgoOne®

Setting the new standard in pipetting

STAR LAB

ErgoOne® Single-Channel Pipettes

ErgoOne® Single-Channel Pipettes								
Cat. No.	Volume Range (Colour Coding)	Increments	Volume µl	Systematic Error (Inaccuracy) ±%		Random Error (Imprecision) ±%		Price
				8655-2	ErgoOne	8655-2	ErgoOne	
Single-Channel								
S7100-0125	0.1 –2.5 µl (Red)	0.002 µl	0.1	125	24	75	12	£210.00
			1.25	10	2.5	6.0	1.5	
			2.5	5.0	1.4	3.0	0.7	
S7100-0510	0.5 –10 µl (Red)	0.01 µl	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 µl (Red)	0.02 µl	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 µl (Yellow)	0.02 µl	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 µl (Yellow)	0.1 µl	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 µl (Yellow)	0.2 µl	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 µl (Blue)	1 µl	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 µl (Violet)	5 µl	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	

Tested in accordance with EN ISO 8655, using STARLAB's TipOne® tips.
See table on right for ordering codes if you require your pipette to be supplied with a UKAS Calibration Certificate.

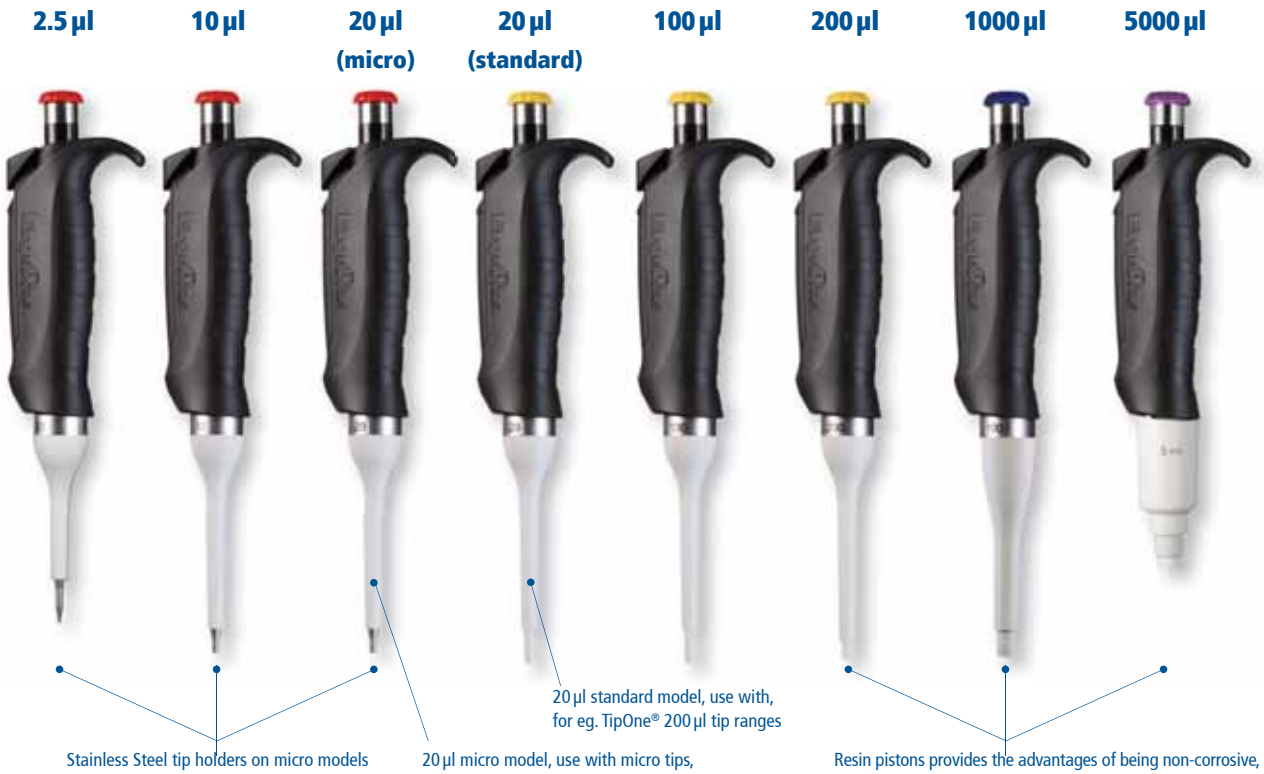
Do you need your new pipette supplied with UKAS Certification?

We can supply your brand new pipette with a UKAS Certificate of Calibration. You can order the calibration the same time as ordering your pipette by using the appropriate code below; STARLAB will perform a **UKAS 3.10 As Found Calibration** on the pipette prior to shipping and enclose the Calibration Certificate with your order.

Cat. No	Description	Price
C8134-1001	3.10 UKAS, Single-Channel	£32.00
C8234-1001	3.10 UKAS, 8-Channel	£60.00
C8334-1001	3.10 UKAS, 12-Channel	£70.00

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

ErgoOne®



ErgoOne® Multi-Channel Pipettes

DEMO MODELS TRY before you BUY available on request

ErgoOne® Multi-Channel Pipettes								
Cat. No.	Volume Range (Colour Coding)	Increments	Volume µl	Systematic Error (Inaccuracy) ±%		Random Error (Imprecision) ±%		Price
				8655-2	ErgoOne	8655-2	ErgoOne	
8-Channel Pipettes								
S7108-0510	0.5 –10 µl (Red)	0.01 µl	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 µl (Yellow)	0.1 µl	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 µl (Green)	0.2 µl	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 µl (Red)	0.01 µl	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 µl (Yellow)	0.1 µl	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 µl (Green)	0.2 µl	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.
See table opposite for ordering codes if you require your pipette to be supplied with a UKAS Calibration Certificate.

Pipette Stands

Pipette Stands			
Cat. No.	Description	Colour	Price
S7200-0000	ErgoOne® Universal Carousel Stand for up to 8 Pipettes	Black/Silver	£92.00
E3099-0000	UV Resistant Universal Acrylic Stand for up to 5 Pipettes	Yellow	£46.45
E3099-0001	ErgoOne® Self-Adhesive Shelf Holder for 1 Pipette	Yellow	£5.72
G8965-8000	UV Resistant Universal Rotary Stand for Six Pipettes	Grey	£73.33
G9999-1001	Charging Stand with AC Adapter for (230V/50 Hz) for Three ErgoOne® E Single-Channel Pipettes up to 1000 µl	Grey	£194.67
G9999-1002	Individual Stand (for Single-Channel ErgoOne® E Pipettes, 10 µl–1000 µl)	Grey	£41.20
G9999-1003	Individual Stand (for 5000 µl Single-Channel ErgoOne® E Pipette)	Grey	£41.20
G9999-1004	Individual Stand (for all Multi-Channel ErgoOne® E Pipettes)	Grey	£26.78

Compatibility:
S7200-0000 Use with ErgoOne®, Biohit®, Finn®, Gilson®, Rainin®
E3099-0000 Use with ErgoOne®, Biohit®, Finn®, Eppendorf®, Gilson®, Rainin®
E3099-0001 Use with ErgoOne®
G8965-8000 Use with Eppendorf®, Gilson®, Rainin® and StarPet
G9999-1001, -1002, -1003 & -1004 Use with ErgoOne® E Electronic

NOTE: For stands for use with CAPP® multi-channel pipettes see page 48.

S7200-0000

E3099-0000

E3099-0001

G8965-8000

G9999-1001

G9999-1002

G9999-1004

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 20–25)
- 3-year warranty

64-channel CAPP® pipette

For 384-format tips for use with the 16-, 48- or 64-channel pipettes, see page 27.

CAPP® Multi-Channel Pipettes					
Cat. No.	Volume Range	Colour Coding	± AC*(%)	≤ CV**(%)	Price
8-Channel					
SL10-8AZ	0.5–10 µl	White	5.00 / 2.32 / 2.00	3.60 / 1.28 / 1.00	£499.24
SL50-8AZ	5–50 µl	Red	3.20 / 1.60 / 1.40	1.60 / 0.72 / 0.60	£436.04
SL200-8AZ	20–200 µl	Yellow	1.80 / 1.44 / 1.20	0.80 / 0.44 / 0.40	£436.04
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	£436.04
12-Channel					
SL10-12AZ	0.5–10 µl	White	5.00 / 2.32 / 2.00	3.60 / 1.28 / 1.00	£549.79
SL50-12AZ	5–50 µl	Red	3.20 / 1.60 / 1.40	1.60 / 0.72 / 0.60	£486.60
SL200-12AZ	20–200 µl	Yellow	1.80 / 1.44 / 1.20	0.80 / 0.44 / 0.40	£486.60
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	£486.60
16-Channel					
SL02-16AZ	0.2–2 µl	Violet	24.00 / 6.20 / 4.00	12.00 / 3.20 / 2.00	£688.82
SL10-16AZ	0.5–10 µl	White	5.00 / 2.32 / 2.00	3.60 / 1.28 / 1.00	£688.82
SL50-16AZ	5–50 µl	Red	3.20 / 1.60 / 1.40	1.60 / 0.72 / 0.60	£688.82
48-Channel					
C-10-48	0.5–10 µl	White	10.00 / 4.64 / 4.00	7.20 / 2.56 / 2.00	£1358.69
64-Channel					
C-10-64	0.5–10 µl	White	10.00 / 4.64 / 4.00	7.20 / 2.56 / 2.00	£1421.88

*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. See table on page 46 for calibration ordering codes if you require your pipette to be supplied with a UKAS Calibration Certificate (not available for 16-, 48- or 64-channel pipettes).

Accessories			
Cat. No.	Description	Colour	Price
SL02-FZ-2	2 µl Fixed-Volume Control	Violet	£17.65
SL10-FZ-10	10 µl Fixed-Volume Control	White	£17.65
SL50-FZ-50	50 µl Fixed-Volume Control	Red	£17.65
SL200-FZ-200	200 µl Fixed-Volume Control	Yellow	£17.65
SL300-FZ-300	300 µl Fixed-Volume Control	Black	£17.65
E8800-0500	Stand for One CAPP® Multi-Channel Pipette	Grey	£36.61
E8800-0600	Carousel Stand for Three CAPP® Multi-Channel Pipettes	Black/Silver	£60.69

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

E8800-0500

E8800-0600

ErgoOne® E Electronic Pipettes

Reliable and ergonomic!

New!

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.

Features

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

ErgoOne® E Electronic Pipettes

Cat. No.	Volume Range	Increments	Volume µl	Systematic Error (Inaccuracy)* ≤ ± %	Random Error (Imprecision)* ± %	Price
Single-Channel Pipettes						
G9001-0010	0.5–10 µl (red)	0.01 µl	1.0 / 5.0 / 10	5.0 / 1.5 / 1.0	2.0 / 0.8 / 0.4	£401.70
G9001-0020	2–20 µl (red)	0.02 µl	2.0 / 10 / 20	5.0 / 1.5 / 1.0	2.5 / 0.8 / 0.4	£401.70
G9001-0200	20–200 µl (yellow)	0.2 µl	20 / 100 / 200	4.0 / 1.2 / 0.8	0.6 / 0.3 / 0.2	£401.70
G9001-1000	100–1000 µl (blue)	1.0 µl	100 / 500 / 1000	3.0 / 1.0 / 0.6	0.6 / 0.3 / 0.2	£401.70
G9001-5000	500–5000 µl (violet)	5.0 µl	500 / 2500 / 5000	3.0 / 1.0 / 0.6	0.6 / 0.3 / 0.2	£427.45
8-Channel Pipettes						
G9008-0010	0.5–10 µl (red)	0.01 µl	1.0 / 5.0 / 10	8.0 / 2.0 / 1.2	4.0 / 1.5 / 0.80	£669.50
G9008-0020	1–20 µl (red)	0.02 µl	2.0 / 10 / 20	8.0 / 2.0 / 1.0	3.0 / 1.0 / 0.50	£669.50
G9008-0100	5–100µl (yellow)	0.1µl	10 / 50 / 100	4.0 / 1.6 / 0.8	1.5 / 0.4 / 0.25	£669.50
G9008-0300	15–300µl (green)	0.5µl	30 / 150 / 300	3.0 / 1.2 / 0.6	1.2 / 0.4 / 0.25	£669.50
12-Channel Pipettes						
G9012-0010	0.5–10 µl (red)	0.01 µl	1.0 / 5.0 / 10	8.0 / 2.0 / 1.2	4.0 / 1.5 / 0.80	£772.50
G9012-0020	1–20 µl (red)	0.02 µl	2.0 / 10 / 20	8.0 / 2.0 / 1.0	3.0 / 1.0 / 0.50	£772.50
G9012-0100	5–100 µl (yellow)	0.1 µl	10 / 50 / 100	4.0 / 1.6 / 0.8	1.5 / 0.4 / 0.25	£772.50
G9012-0300	15–300 µl (green)	0.5 µl	30 / 150 / 300	3.0 / 1.2 / 0.6	1.2 / 0.4 / 0.25	£772.50

Single-channel pipettes supplied with battery, AC Adapter and silicone oil. Multi-channel pipettes supplied with battery, AC Adapter, individual stand, a rack of TipOne® tips and silicone oil. Tested in accordance with ISO 8655.

See table on page 46 for calibration ordering codes if you require your pipette to be supplied with a UKAS Calibration Certificate.

Accessories

Cat. No.	Description	Pack Size	Price
G9999-1000	AC Adapter for Europe/UK (230V/50 Hz)	1	£32.96
G9999-1001	Charging Stand with AC Adapter for Europe / UK (230V/50 Hz) for Three Single-Channel Pipettes up to 1000 µl	1	£194.67
G9999-1002	Individual Stand (for Single-Channel Pipettes, 10 µl to 1000 µl)	1	£41.20
G9999-1003	Individual Stand (for 5000 µl Single-Channel Pipette)	1	£41.20
G9999-1004	Individual Stand (for all Multi-Channel Pipettes)	1	£26.78
G9999-1005	Replacement Battery	1	£22.66
G9999-1006	Silicone Oil for Piston (for Single-Channel Pipettes, 10 µl to 1000 µl)	1	£7.21
G9999-1007	Silicone Oil for Piston (for 5000 µl Single-Channel and all Multi-Channel Pipettes)	1	£11.69
G9999-1008	Fluorstatic Grease for Guiding Axis (for Multi-Channel Pipettes)	1	£2.63

See page 47 for images of the pipette stands.

ALSO AVAILABLE

G9908-1200	100-1200µl StarPet E, 8-Channel Electronic Pipette	£587.71 each
G9912-1200	100-1200µl StarPet E, 12-Channel Electronic Pipette	£676.18 each

See our website for specifications and information on StarPet E electronic pipettes.

ErgoOne® FAST Pipette Controller

New!

Efficient pipetting

During development of the ErgoOne® FAST electronic pipette controller, a high pipetting speed was recognised as an important feature. The result is convincing! The ErgoOne® FAST can fill a 25 ml pipette in less than than 4 seconds!

Ergonomy meets modernity

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

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

Features

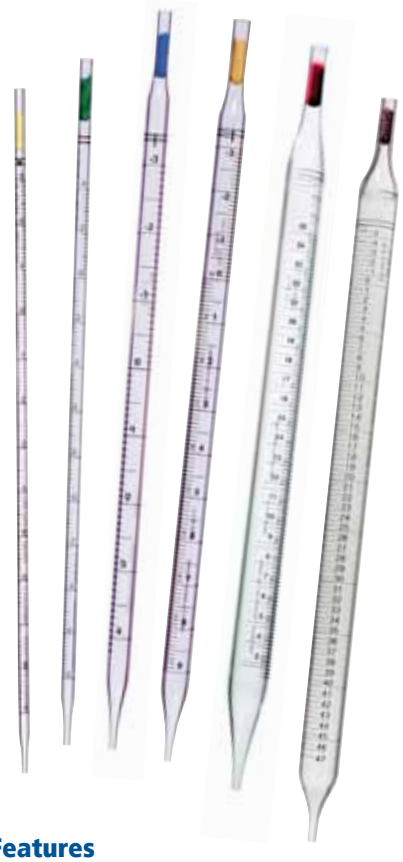
- Intuitive, pressure-responsive speed control
- Provides fast pipetting with maximum precision
- Low operating forces
- Lightweight and ergonomically designed for fatigue-free pipetting
- Long battery life from easy to replace battery
- Constant performance, that does not decline along with battery charge
- Can be recharged during use
- Easy, traffic light system battery charge indicator
- No dripping of liquids for maximum precision
- 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

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

ErgoOne® FAST Pipette Controller			
Cat. No.	Description	Pack Size	Price
S7166-0010	ErgoOne® FAST Pipette Controller*	1	£275.00
	Accessories		
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	£13.03
P7166-6103	Replacement Aspiration Cone	1	£9.69
P7166-6501	Replacement Lithium Polymer Battery	1	£24.77
P7166-6109	Replacement Power Supply	1	£24.77
P7166-6402	Replacenent/Additional Wall Mount	1	£12.50

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

Polystyrene Pipettes



Clearly a quality pipette!

Perfect for use with all popular pipette controllers, including STARLAB's own opposite, 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
	Bulk, Non-Sterile		
E4860-0100	1.0 ml Serological Pipette, Yellow Filter, Bulk	8 x 250	£171.94
E4860-0200	2.0 ml Serological Pipette, Green Filter, Bulk	4 x 250	£94.79
E4860-0500	5.0 ml Serological Pipette, Blue Filter, Bulk	2 x 200	£68.20
E4860-1000	10 ml Serological Pipette, Orange Filter, Bulk	2 x 125	£46.74
E4860-2500	25 ml Serological Pipette, Red Filter, Bulk	2 x 50	£50.56
	Individually-Wrapped, Sterile		
E4860-0111	1.0 ml Serological Pipette, Yellow Filter, (Sterile), Ind. Wrapped	500	£69.51
E4860-0211	2.0 ml Serological Pipette, Green Filter (Sterile), Ind. Wrapped	500	£73.33
E4860-0511	5.0 ml Serological Pipette, Blue Filter (Sterile), Ind. Wrapped	250	£60.69
E4860-1011	10 ml Serological Pipette, Orange Filter (Sterile), Ind. Wrapped	200	£53.06
E4860-2511	25 ml Serological Pipette, Red Filter (Sterile), Ind. Wrapped	100	£73.33
E4860-5012-C	50 ml Serological Pipette, Violet Filter (Sterile), Ind. Wrapped	200	£247.77

Features

- Accuracy >98%
- Sterile pipettes have colour-coded plugs for ease of selection
- Crisp, black, raised permanent graduations
- Ascending and descending graduations on pipettes 5ml and over
- Lot No. of every pipette printed on sterile, individual wrapping
- ISO 9001:2000 manufactured
- Certified RNase, DNase, non-cytoxic, non-haemolytic and pyrogen free

Serological Pipette 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
- Lot No. printed on every individual pipette wrapper

2.0ml aspiration pipette

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

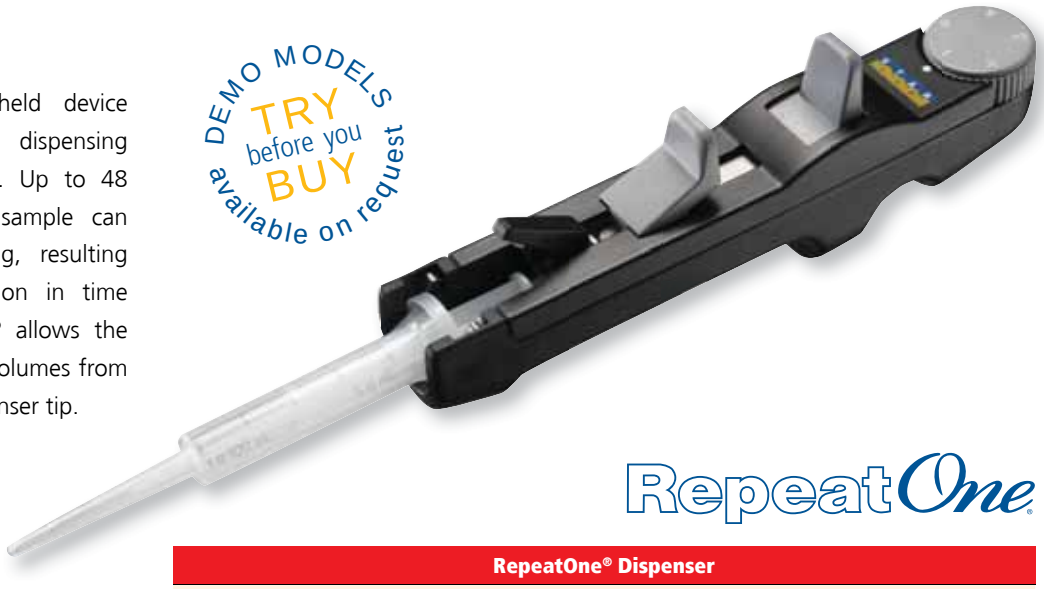
Aspiration Pipette			
Cat. No.	Description	Pack Size	Price
E4860-1211	2.0ml Aspiration Pipette (Sterile), Ind. Wrapped	500	£61.88

RepeatOne® Dispenser

Rapid dispensing!

RepeatOne® is a hand-held device for repetitive and rapid dispensing of volumes 10µl to 5ml. Up to 48 pipettings of the same sample can be made without refilling, resulting in a considerable reduction in time and expense. RepeatOne® allows the selection of five separate volumes from each TipOne® Repeat dispenser tip.

DEMO MODELS TRY before you BUY available on request



RepeatOne

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
- Conforms to 98/79/EEC In Vitro Diagnostic Medical Devices
- 2-year warranty

RepeatOne® Dispenser		
Cat. No.	Description	Price
S4026-1500	RepeatOne® Dispenser (includes. Adapter for 25ml and 50ml Dispenser Tips, old-style)	£220.00

NOTE: The repeat dispenser is not autoclavable.
See page 32 for Adapters to use with the 25ml and 50ml TipOne® Repeat dispenser tips.

Technical Data

TipOne® Repeat Size	Dispensing Volume			Systematic Error (Inaccuracy)			Random Error (Imprecision; CV)		
	Min.		Max.	Min.		Max.	Min.		Max.
0.5ml	10µl	30µl	50µl	± 2.0%	± 1.0%	± 1.0%	± 2.0%	± 1.0%	± 0.8%
1.25ml	25µl	75µl	125µl	± 0.9%	± 0.9%	± 0.9%	± 0.9%	± 0.7%	± 0.6%
2.5ml	50µl	150µl	250µl	± 0.7%	± 0.7%	± 0.7%	± 0.9%	± 0.7%	± 0.6%
5ml	100µl	300µl	500µl	± 0.6%	± 0.6%	± 0.6%	± 0.6%	± 0.5%	± 0.3%
12.5ml	250µl	750µl	1250µl	± 0.5%	± 0.5%	± 0.5%	± 0.6%	± 0.5%	± 0.3%
25ml	500µl	1500µl	2500µl	± 0.4%	± 0.4%	± 0.4%	± 0.6%	± 0.4%	± 0.25%
50ml	1000µl	3000µl	5000µl	± 0.3%	± 0.3%	± 0.3%	± 0.5%	± 0.4%	± 0.25%

Dispenser Tips

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

Compatibility

The RepeatOne® dispenser can be used with the following dispenser tips:

- STARLAB TipOne® Repeat (see page 32)
- Brand®
- Gilson®
- HTL®
- Ritter®

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

PIPETTE SERVICING

Total Liquid Handling!

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

PIPETTE SERVICING
Calibration & Repair Service Overview 54–56

ACCREDITATION
ISO 15189 & Quality System Requirements 57

SERVICE LEVELS
Standard Servicing & Calibration 58–59
UKAS Servicing & Calibration 60–61

PIPETTE TRAINING
STARLAB Training Sessions 62

PIPETTE SPARES
For ErgoOne® Pipettes 63
For ErgoOne® E Pipettes 63
For Gilson® Pipettes..... 64

Calibration & Repair Service 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. All our balances and weights are calibrated annually as part of the UKAS accreditation. 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 servicing is carried out in the correct conditions. UKAS is an internationally recognised standard which ensures full traceability of data and requires both internal and external quality control. The same balances and weights are used for both UKAS and non-UKAS calibrations.

Caltech

ilac-MRA UKAS CALIBRATION

4296

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

Mail-in servicing

- Convenient service, 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 58–61 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

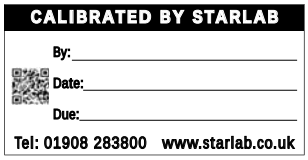
STARLAB prides itself on being an innovative, customer-focused company and this is reflected by the service we offer, as standard:

- 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

Calibration & Repair Service Overview

CaliStar calibration software

STARLAB has developed its own bespoke calibration software CaliStar, which incorporates 2D barcoding technology. This innovative piece of software has been 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 onto the pipettes. The barcode is scanned, and this enables us to track each pipette from the moment it arrives at our lab or 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. The software tracks the service status of each pipette, the spares used, the service level carried out and the calibration results, as well as generating electronic signatures for certificates to enable the whole process to be fully paperless (although certificates can still be printed if preferred). CaliStar is fully integrated with our back-office system in order to generate bespoke invoicing requirements too.

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 customers to identify any pipettes requiring frequent and/or expensive repairs

Asset management lists

We can provide you with a list of pipettes belonging to a lab, a group or an institution for your own asset management purposes

The STARLAB system has the advantage over the new pipettes coming onto the market with RFID (Radio Frequency ID). With RFID, it is only those pipettes with that function that can be tracked and their history stored for asset management purposes. CaliStar gives any pipette, however old, the benefit of these features.

Service Report - Example

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

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

Calibration & Repair Service Overview

Certificates on USB

Calibration certificates for clinics are supplied in PDF format on USB memory sticks so you can save the files onto your own computer for safe keeping. Paper copies of certificates can be provided if required.

Instant UKAS certificates

STARLAB uses electronic signatures on certificates for UKAS calibrations. This means we can give you your certificates on USB memory stick at the end of the clinic and there is no delay waiting for the counter signature.

How to organise an on-site pipette clinic

Contact your Account Manager, or the Servicing Coordinator at the STARLAB office at **kmarshall@starlab.co.uk** or phone 01908 283810. If it is your first clinic with us we will arrange a pre-clinic consultation to ensure that any specific requirements you have are known and to ensure your proposed location for the clinic is suitable – we require two meters of vibration-free bench space in a draft-free environment. STARLAB will provide marketing material to help promote the clinic for you and provide you with decontamination forms and information on decontamination procedures. You can sit back and relax while we do the work. See also page 61 for the specific requirements for a UKAS clinic.

How to send us your pipettes for servicing

Simply decontaminate your pipette, complete a decontamination declaration and package your pipette securely to avoid damage during transit. We will service and calibrate your pipette and return the pipette and calibration certificate to you via courier.

IMPORTANT! ALL PIPETTES MUST BE DECONTAMINATED BEFORE SERVICING

ALL pipettes for servicing must be decontaminated and accompanied by a Decontamination Declaration so we know they are safe for us to work on. We can not service or calibrate a pipette without a completed and signed declaration.

STARLAB recommends using either Chemgene® or Distel® Disinfectant (pages 160–161) to decontaminate your pipettes. Contact us for a copy of the Decontamination Declaration form and a copy of the Data Sheet on using these products to decontaminate pipettes. Alternatively, the form and data sheets can be downloaded from **www.pipettes.co.uk**

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.

ONLINE QUOTES @ www.pipettes.co.uk

ISO 15189 & Quality System Requirements

What is accreditation?

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

For what is STARLAB accredited?

STARLAB UK is accredited to **ISO/IEC 17025 for the calibration of piston/plunger pipettes**, thus providing authoritative assurance of the technical competence of our laboratory. ISO/IEC 17025 defines the following requirements for a laboratory:

- able 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 Systems, **ISO 15189** Medical Laboratories Requirements for Quality and Competence, **ISO 13485** Medical Devices Quality Management System, and **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. The wording varies from quality system to quality system and all deliberately keep the requirements very broad to cover the many different equipment types, measurement parameters and assays that need to be covered. Regulatory organisations are also aware that not all equipment needs to be calibrated, it is completely dependent upon where, how and for what it is used.

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, with the roll-out of the transition assessment process starting in October 2013. As a result of medical labs now needing to meet ISO 15189 requirements, there has been more focus on the calibration and traceability of equipment. It is, however, not a necessity to have ALL your pipettes calibrated to a UKAS standard, you do however, have to justify and document your decision on the level of calibration performed on specific 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 the requirements of ISO 15189. However, this option can be expensive as the cost of each individual calibration is higher than for non-UKAS calibrations. The ISO 15189 mandate is that all pieces of laboratory equipment that have a significant influence on the results must be **traceably calibrated**.

Additionally, and irrespective of the level of calibration or equipment control within a lab, it is also imperative that the 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 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 62).

STARLAB supports customers by being a consultative company; we understand 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** to draw on our wealth of experience and knowledge.

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Standard Servicing & Calibration

STARLAB can service and calibrate all leading makes and models of pipettes.
For all standard servicing levels we offer:

- A 72-hour 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

STANDARD SERVICING LEVELS AND PRICING STRUCTURE

Service and Calibration

The following is performed on every pipette for each service level:

- Pipette dismantled, cleaned internally, inspected, leak tested and, where necessary, worn parts are replaced
- Pipette externally cleaned
- Calibration Date Sticker to show the next calibration due date – just let us know your required interval between servicing
- 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 DISPENSER Cat. Nos / Pricing	BOTTLE-TOP DISPENSER Cat. Nos / Pricing
1-STAR Service 4 Readings at Mid Point**	On-Site: C1111-0000 Mail-In: C1121-0000 £21.00	On-Site: C1211-0000 Mail-In: C1221-0000 £35.00	On-Site: C1311-0000 Mail-In: C1321-0000 £40.00	On-Site: C1411-0000 Mail-In: C1421-0000 £45.00	On-Site: C3124-0000 Mail-In: C3124-M000 £18.00	On-Site: C3121-0000 Mail-In: C3121-M000 £35.00
2-STAR Service 3 Readings at Min & Max Points**	On-Site: C1112-0000 Mail-In: C1122-0000 £23.00	On-Site: C1212-0000 Mail-In: C1222-0000 £40.00	On-Site: C1312-0000 Mail-In: C1322-0000 £45.00	On-Site: C1413-0000 Mail-In: C1423-0000 £50.00	On-Site: C3125-0000 Mail-In: C3125-M000 £20.00	On-Site: C3122-0000 Mail-In: C3122-M000 £45.00
3-STAR Service 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 £48.00	On-Site: C1313-0000 Mail-In: C1323-0000 £55.00	On-Site: C1414-0000 Mail-In: C1424-0000 £60.00	On-Site: C3126-0000 Mail-In: C3126-M000 £22.00	On-Site: C3123-0000 Mail-In: C3123-M000 £50.00

Prices quoted are per pipette. Parts at additional cost.
*STARLAB can also calibrate to ISO specifications or to your own, exact requirements; just let us know beforehand.
**On multi-channels, two readings are taken on EVERY channel at the appropriate number of points for the service level.

As Found Calibration

If you would like to check the performance of your pipette prior to servicing or as part of your regular checks, STARLAB can perform an As Found Calibration. 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 manufacturer's specification*
- Certificate of Calibration provided for each pipette, showing pass or fail
- Calibration Date Sticker to show the next calibration due date – just let us know your required interval between checks

As Found Calibration						
	SINGLE-CHANNEL Price per Pipette	8-CHANNEL Price per Pipette	12-CHANNEL Price per Pipette	16-CHANNEL Price per Pipette	REPEAT DISPENSER Price per Pipette	BOTTLE-TOP DISPENSER Price per Pipette
1-STAR Service 4 Readings at Mid Point**	On-Site: C1111-1000 Mail-In: C1121-1000 £9.00	On-Site: C1211-1000 Mail-In: C1221-1000 £17.00	On-Site: C1311-1000 Mail-In: C1321-1000 £19.00	On-Site: C1411-1000 Mail-In: C1421-1000 £21.00	On-Site: C3124-0100 Mail-In: C3124-M100 £9.00	On-Site: C3121-0100 Mail-In: C3121-M100 £23.00
2-STAR Service 3 Readings at Min & Max Points**	On-Site: C1112-1000 Mail-In: C1122-1000 £11.00	On-Site: C1212-1000 Mail-In: C1222-1000 £19.00	On-Site: C1312-1000 Mail-In: C1322-1000 £22.00	On-Site: C1413-1000 Mail-In: C1423-1000 £24.00	On-Site: C3125-0100 Mail-In: C3125-M100 £11.00	On-Site: C3122-0100 Mail-In: C3122-M100 £33.00
3-STAR Service 4 Readings at Min, Mid & Max Points**	On-Site: C1113-1000 Mail-In: C1123-1000 £12.00	On-Site: C1213-1000 Mail-In: C1223-1000 £23.00	On-Site: C1313-1000 Mail-In: C1323-1000 £25.00	On-Site: C1414-1000 Mail-In: C1424-1000 £28.00	On-Site: C3126-0100 Mail-In: C3126-M100 £12.00	On-Site: C3123-0100 Mail-In: C3123-M100 £40.00

*STARLAB can also calibrate to ISO specifications or to your own, exact requirements; just let us know beforehand.
**On multi-channels, two readings are taken on EVERY channel at the appropriate number of points for the service level.

Standard Servicing & Calibration

QuickCAL

A great choice of service and calibration if you have very large numbers of pipettes, and/or to keep costs down if you do not quite need everything from the standard service and calibration opposite. QuickCal offers a great value calibration check and service. For QuickCal, the following is performed on every pipette:

- Pipette dismantled, cleaned internally, inspected, leak tested and, where necessary, worn parts are replaced
- Calibration Date Sticker to show the next calibration due date – just let us know your required interval between servicing
- If necessary, your pipette will be adjusted to comply and recalibrated to manufacturer's specification*
- One batch Certificate of Calibration provided for all pipettes

QuickCAL				
	SINGLE-CHANNEL Price per Pipette	**8-CHANNEL** Price per Pipette	**12-CHANNEL** Price per Pipette	**16-CHANNEL** Price per Pipette
QuickCAL 3 Readings at Mid Point**	On-Site: C5020-0000 Mail-In: C5000-0000 £10.50	On-Site: C5020-0800 Mail-In: C5000-0800 £15.00	On-Site: C5020-0120 Mail-In: C5000-0120 £18.00	On-Site: C5020-0400 Mail-In: C5000-0400 £21.00

Parts are at additional cost.

*STARLAB can also calibrate to ISO specifications or to your own, exact requirements; just let us know beforehand.

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

Pipette Controller

When servicing pipette controllers, the following is performed:

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

Pipette Controller	
	CONTROLLER Price per Pipette
Pipette Controller Servicing	On-Site: C0010-0000 Mail-In: C0020-0000 £21.00

Parts are at additional cost.

Custom servicing

We can service pipettes to your exact requirements. If the standard servicing levels listed are not what you need, you can 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.

UKAS Servicing & Calibration

4296

Our state of the art calibration laboratory is UKAS accredited. All our balances and weights are calibrated annually as part of the UKAS accreditation. 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 servicing is carried out in the correct conditions.

STARLAB can service and calibrate all leading makes and models of pipettes. For all UKAS servicing levels, we offer:

- A 5-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 SERVICE LEVELS

As Found Calibration

If you would like to check the performance of your pipette prior to servicing or as part of your regular checks, STARLAB can perform a UKAS As Found Calibration. 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 or your own)
- Certificate of Calibration provided for each pipette, showing pass or fail
- Calibration Date Sticker to show the next calibration due date – just let us know your required interval between checks

If your pipette is found to not be within specification, STARLAB can perform a UKAS Service and Calibration on the pipette if you have informed us to do so beforehand.

Service and Calibration

For pipettes requiring a service and calibration to UKAS standards, the following is performed on every pipette for each service level:

- Pipette dismantled, cleaned internally, inspected, leak tested and where necessary worn parts are replaced
- Pipette externally cleaned
- Calibration Date Sticker to show the next calibration due date – just let us know your required interval between servicing
- If necessary, your pipette will be adjusted to comply and recalibrated to specified specification (manufacturer's, ISO or your own)
- Certificate of Calibration provided for each pipette, showing the results and any spare parts fitted

Pre & Post

If you need traceability of your pipette and 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 and Post includes:

- UKAS As Found calibration (as above), followed by
- UKAS Service and Calibration (as above)

UKAS Servicing & Calibration

UKAS PRICING STRUCTURE

10 Readings at 3 Volumes	SINGLE-CHANNEL Price per Pipette	8-CHANNEL Price per Pipette	12-CHANNEL Price per Pipette
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
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
Pre & Post 10 Readings on ALL channels at Min, Mid and Max Points	On-Site: C8135-0000 Mail-In: C8135-M000 £75.00	On-Site: C8235-0000 Mail-In: C8235-M000 £125.00	On-Site: C8335-0000 Mail-In: C8335-M000 £130.00

5 Readings at 3 Volumes*	SINGLE-CHANNEL Price per Pipette	8-CHANNEL Price per Pipette	12-CHANNEL Price per Pipette
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
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
Pre & Post 5 Readings on ALL channels at Min, Mid and Max Points	On-Site: C8136-0000 Mail-In: C8136-M000 £55.00	On-Site: C8236-0000 Mail-In: C8236-M000 £90.00	On-Site: C8336-0000 Mail-In: C8336-M000 £95.00

5 Readings at 2 Volumes*	SINGLE-CHANNEL Price per Pipette	8-CHANNEL Price per Pipette	12-CHANNEL Price per Pipette
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
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
Pre & Post 5 Readings on ALL channels at Min and Max Points	On-Site: C8436-0000 Mail-In: C8436-M000 £50.00	On-Site: C8536-0000 Mail-In: C8536-M000 £85.00	On-Site: C8636-0000 Mail-In: C8636-M000 £90.00

Fixed Volume Pipettes*	SINGLE-CHANNEL Price per Pipette
As Found 5 Readings at One Volume	On-Site: C8739-0500 Mail-In: C8739-M500 £17.00
Service & 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.

Special pricing for UKAS As Found Calibration with STARLAB pipettes

We can supply our single, 8- and 12-channel pipettes with a UKAS Certificate of Calibration. You can order the calibration the same time as ordering your pipette by using the appropriate code below; STARLAB will perform a **UKAS 3.10 As Found Calibration** on the pipette prior to shipping and enclose the Calibration Certificate with your order.

Cat. No	Description	Price
C8134-1001	3.10 UKAS, Single-Channel	£32.00
C8234-1001	3.10 UKAS, 8-Channel	£60.00
C8334-1001	3.10 UKAS, 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 specifications with the exception of multi-channels with volumes less than 10 µl, which will be in accordance with ISO 8655 permissible errors.

See pages 44–52 for our range of pipettes

Requirements for on-site UKAS 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 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

Pipette Training Sessions

STARLAB runs training sessions that can be held either at customer sites or at STARLAB's headquarters in Milton Keynes. Training is important as quality systems such as ISO 15189 have requirements for qualifications, training and competence, particularly important with pipettes, as the pipetting technique used, and their handling, storage and maintenance can have a major impact on the continued accuracy and precision of the pipette.

We offer three levels of training as below, or can tailor the training session to suit your specific needs. Each of the sessions below is designed to be half a day duration.

BASIC LEVEL

Specifically designed for those involved in everyday pipetting, such as lab technicians, PhD students or scientific officers.
This training session is for a minimum of four / maximum of 10 people per half day:

- Fundamentals of dispensing
- Pipetting techniques
- Forward and reverse pipetting
- Physical influences on dispensed volume
- Pipette ergonomics and general PhysioCare concepts including RSI
- Understanding the importance of good pipetting techniques and the effects it can have on assays
- Practical to support the key learning objectives

INTERMEDIATE LEVEL

Ideal for lab technicians, scientific officers and laboratory managers.
This training session is for a minimum of four / maximum of 10 people per half day:

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

ADVANCED LEVEL

Designed for lab managers and quality personnel.
This training session is for a minimum of two / maximum of four people per half day:

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

Please contact STARLAB for more information or pricing.

We provide discounts for bulk booking, for eg. book two sessions, one to be held in the morning and one to be held in the afternoon to fill a whole day, or if all three levels are booked together in advance.

Spares for ErgoOne® & ErgoOne® E Pipettes

ErgoOne® Manual Pipettes

Volume:	Single-Channel ErgoOne® Sealing Rings (3/Pack) Cat. No.	Price	Spacer Rings (each) Cat. No.	Price	Tip Holders* (each) Cat. No.	Price	Tip Ejectors (each) Cat. No.	Price	Filter (10/Pack) Cat. No.	Price
2.5µl	*Sealing Rings for these volumes of pipette are sold with the Tip Holders		n/a		P2331-0021	£19.47	P2351-0021	£12.44	n/a	
10µl			n/a		P2331-0101	£17.30	P2351-0101	£10.82	n/a	
20µl (Micro)			n/a		P2331-0211	£17.30	P2351-0211	£10.82	n/a	
20µl (Standard)			n/a		P2331-0201	£11.26	P2351-0211	£10.82	n/a	
100µl	P2311-1001-C	£8.65	P2391-1001	£5.41	P2331-1001	£8.65	P2351-1001	£10.82	n/a	
200µl	P2311-2001-C	£7.03	P2391-1001	£5.41	P2331-2001	£9.19	P2351-2001	£11.36	n/a	
1000µl	P2311-1101-C	£8.11	P2391-1001	£5.41	P2331-1101	£9.19	P2351-1101	£11.90	n/a	
5000µl	n/a		n/a		P2331-1501	£13.84	P2351-1501	£11.36	P2391-1501-C	£4.87

Volume:	Multi-Channel ErgoOne® O-Rings (4/Pack) Cat. No.	Price
10µl	n/a	
100µl	P2421-1001-C	£2.54
300µl	P2421-1001-C	£2.54

STARLAB's ErgoOne® Manual Pipettes

See pages 44–47

ErgoOne® E Electronic Pipettes

Volume:	Single-Channel ErgoOne® E Ejector Upper Part* (each) Cat. No.	Price	Piston Unit (each) Cat. No.	Price	Spring with Seal (each) Cat. No.	Price	Shaft with Ejector Spring (each) Cat. No.	Price
10µl	P7191-0001	£3.11	P7141-0111	£18.99	n/a		P7151-0101	£13.36
20µl	P7191-0001	£3.11	P7141-0211	£13.79	P7181-0201	£7.87	P7151-0201	£8.76
200µl	P7191-0001	£3.11	P7141-2111	£18.99	P7181-2001	£7.87	P7151-2001	£8.76
1000µl	P7191-0001	£3.11	P7141-1011	£23.09	P7181-1101	£7.87	P7151-1101	£12.12
5000µl	P7141-1511*	£10.11	P7141-1501	£27.17	n/a		n/a	

Volume:	Ejector, Lower Part Cat. No.	Price	Complete Shaft (each) Cat. No.	Price	Pipette Shaft, Lower part (each) Cat. No.	Price	Filter (25/pack) Cat. No.	Price
10µl	P7151-0111	£7.44	P7191-0101	£27.50	n/a		n/a	
20µl	P7151-0211	£5.88	P7191-0201	£27.50	n/a		n/a	
200µl	P7151-2111	£5.88	P7191-2001	£27.50	n/a		n/a	
1000µl	P7151-1111	£5.88	P7191-1101	£27.50	n/a		n/a	
5000µl	P7141-1511*	£10.11	n/a		P7191-1501	£7.37	P7191-1231-C	£4.30

*For 5000µl, price includes upper AND lower part of ejector.

Volume:	Multi-Channel ErgoOne® E Piston (each) Cat. No.	Price	Nose Cone Pack** (each) Cat. No.	Price	O-Ring only (24/pack) Cat. No.	Price	Seal only (3/pack) Cat. No.	Price
10µl	P7141-0101	£8.73	P4031-0101	£24.83	P4021-0101-C	£17.24	P7111-0101-C	£4.39
20µl	P7141-0201	£8.87	P4031-0201	£10.31	P4021-0101-C	£17.24	P7111-0201-C	£4.39
100µl	P7141-1001	£13.21	P7131-1001	£10.75	P7121-1301-C	£17.24	P7111-1001-C	£4.39
300µl	P2041-3001	£17.54	P2031-3101	£17.54	P7121-1301-C	£17.24	P7111-3001-C	£4.39

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

STARLAB's ErgoOne® E Electronic Pipettes

See page 49

Spares for Gilson® Pipettes

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

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

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

O-Rings			
Cat. No.	Description	Pack Size	Price
P1122-0021	O-Ring for use with P2	1	£1.30
P1122-0101	O-Ring for use with P10	1	£1.30
P1122-0201	O-Ring for use with P20	1	£1.30
P1122-1001	O-Ring for use with P100	1	£1.30
P1122-2001	O-Ring for use with P200	1	£1.30
P1122-1101	O-Ring for use with P1000	1	£1.30
P1122-1501	O-Ring for use with P5000	1	£1.30

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

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

Tip Ejectors			
Cat. No.	Description	Pack Size	Price
P1151-0021	Tip Ejector for use with P2	1	£9.20
P1151-0101	Tip Ejector for use with 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

CONSUMABLES

Not just plastic!

Expertly designed, injection-moulded
high quality consumables.

TUBES
TubeOne® Microcentrifuge Tubes 66
Microcentrifuge Tubes 67
Microcentrifuge Tube Accessories 68
Preparation Tubes 68
Centrifuge Tubes 69
Microtubes in Rack 69–70
Cryogenic Vials 71
Screw Cap Microtubes 72–73
Tubes & Containers 74–75

PCR CONSUMABLES
PCR Tubes 76
PCR Strips 77–78
qPCR Strips 79
PCR Plates 80–83
PCR Plate–Cycler Compatibility 84–85
PCR Plate–Sealing Overview 86

PLATES
PlateOne® Deepwell Plates 87
Deepwell Plates 88–90
PlateOne® Microplates 91
Polystyrene Microplates 92
Polypropylene Assay Plates 92

PLATE SEALING
Self-Adhesive Plate Seals 93
Sealing Accessories 93
Heat-Sealing Plate Seals 94

PARAFILM 94

AUTOCLAVE TAPE & AUTOCLAVE BAGS 95

CUVETTES 95

REAGENT RESERVOIRS 96

SCRAPERS, LOOPS & SPREADERS 97

PASTEUR PIPETTES 98–99

SPATULAS & WEIGH BOATS 100

LABELLING
Cryogenic Labels 100
Laboratory Labels 101
Laboratory ID Tape 102
BMP21™-LAB Label Printer & Labels 103
LabPal™, BMP21, BMP21-PLUS Labels 103
Brady Label Material Specification 104
LabXpert™ Label Cartridges 104

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® 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
- Available in convenient mini packs
- Temperature range: -80°C to 121°C
- Autoclavable
- Certified RNase, DNase, DNA and Pyrogen free

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

Available in three volumes.The 2.0 ml tube has a rounded bottom for easier pellet handling.

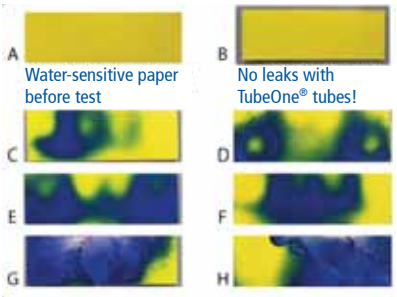
TubeOne® Microcentrifuge Tubes				
Cat. No.	Description / Tube Colour	Colour	Pack Size	Price
S1605-0000	0.5 ml TubeOne® Microcentrifuge Tube	Natural	5 x 200	£25.28
S1605-0099	0.5 ml TubeOne® Microcentrifuge Tube	Mixed*	5 x 200	£26.59
S1615-5500	1.5 ml TubeOne® Microcentrifuge Tube	Natural	500	£12.64
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	£22.77
S1620-2799	2.0 ml TubeOne® Microcentrifuge Tube	Mixed*	5 x 100	£24.68

*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.



Microcentrifuge Tubes

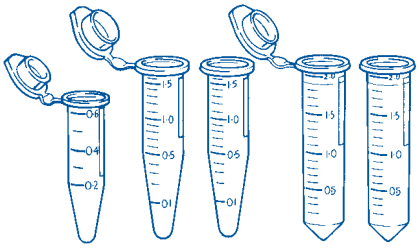
'Crystal Clear' tubes

'Crystal Clear' 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. Temperature 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	0.6 ml Crystal Clear Microcentriruge Tube	Natural	2 x 500	£25.28
E1405-0610	0.6 ml Crystal Clear Microcentriruge Tube (Sterile)	Natural	5 x 100	£16.45
E1415-1500	1.5 ml Crystal Clear Microcentriruge Tube	Natural	500	£12.64
E1415-1510	1.5 ml Crystal Clear Microcentriruge Tube (Sterile)	Natural	5 x 50	£10.14
E1420-2000	2.0 ml Crystal Clear Microcentriruge Tube	Natural	500	£13.95
E1420-2010	2.0 ml Crystal Clear Microcentriruge 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

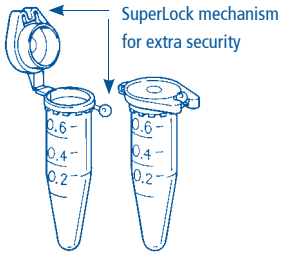


Polypropylene tubes with smaller lid footprint for better fit inside sample storage boxes. Amber tubes for light sensitive samples. Capless tubes for convenient collection of fractions or mix reagents. Rated to over 20,000 x g. Temperature range: -80°C to 121°C. Autoclavable. Certified RNase, DNase,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

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

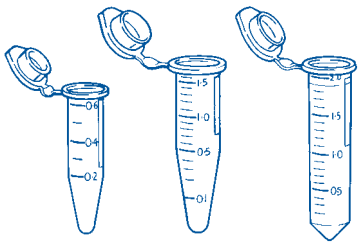
Super safe, SuperLock tubes



Polypropylene microcentrifuge tubes with a locking mechnism for the highest security. They feature a frosted writing area on the side and pierceable cap. Rated at 17,000 x g Temperature range: -80°C to 121°C. Autoclavable. Certified RNase and DNase free.

Locking Microcentrifuge Tubes				
Cat. No.	Description	Colour	Pack Size	Price
E1405-5100	0.5 ml SuperLock Microcentrifuge Tube	Natural	1000	£25.99
I1415-5100	1.5 ml SuperLock Microcentrifuge Tube	Natural	500	£15.14
E1420-5100	2.0 ml SuperLock Microcentrifuge Tube	Natural	500	£18.96
E1420-5108	2.0 ml SuperLock Microcentrifuge Tube	Mixed	5 x 100	£18.96

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. Temperature 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	0.5 ml Ultra High Recovery Microcentrifuge Tube	Natural	500	£13.95
E1415-2600	1.5 ml Ultra High Recovery Microcentrifuge Tube	Natural	250	£11.21
I1420-2600	2.0 ml Ultra High Recovery Microcentrifuge Tube	Natural	250	£14.31

Microcentrifuge Tube Accessories

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 microcentrifgue tubes.	0.5 ml Tubes	E1405-9000	100	£16.10
		1.5 / 2.0 ml Tubes	I1415-1508	100	£16.10
	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	£28.02
	Microtube Pestles: Disposable polypropylene pestles. Ideal for homogenising cells or resuspending DNA or protein pellets. Certifed RNase, DNase and DNA free.	0.5 ml Tubes	I1405-4390	10	£7.51
		1.5 / 2.0 ml Tubes	I1415-5390	10	£7.51

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

Preparation Tubes

New!

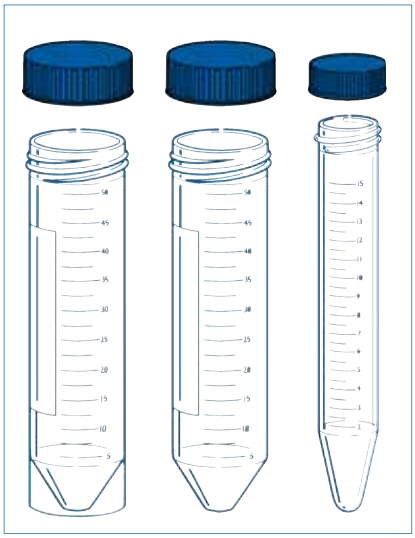
- Ideal for biological or chemical solution preparation
- Suitable for microbial incubation and pellet preparation
- Black tube for light sensitive reactions
- Made from virgin polypropylene, the tubes are graduated at 1.0 ml intervals and have a frosted writing area on the cap and side of tube
- Temperature 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	5.0 ml Preparation Tube, Conical	Natural	200	£30.64
E1450-1101	5.0 ml Preparation Tube, Conical	Blue	200	£31.78
E1450-1102	5.0 ml Preparation Tube, Conical	Green	200	£31.78
E1450-1104	5.0 ml Preparation Tube, Conical	Red	200	£31.78
E1450-1106	5.0 ml Preparation Tube, Conical	Yellow	200	£31.78
E1450-1108	5.0 ml Preparation Tube, Conical	Black	200	£31.78
Skirted Tube				
E1450-1000	5.0 ml Preparation Tube, Skirted	Natural	250	£36.23

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



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

FREE SAMPLE TRY before you BUY available on request

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

Certified RNase, DNase, DNA and Pyrogen free

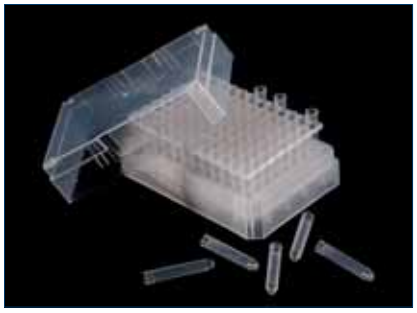
Organised storage

- 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

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	£31.60
E1750-0410	1.2 ml Reaction Tubes in Rack (96 Individual Tubes) (Sterile)	10	£34.40
E1710-0000	1.2 ml Individual Reaction Tubes	1000	£19.32
	Racks / 8-Strip Tubes		
E1760-8400	1.2 ml Reaction Tubes in Rack (12 x 8-Strip Tubes)	10	£31.60
E1760-8410	1.2 ml Reaction Tubes in Rack (12 x 8-Strip Tubes) (Sterile)	10	£35.41
E1720-8000	1.2 ml 8-Strip Reaction Tubes	125	£19.32
	Racks / 12-Strip Tubes		
E1770-9400	1.2 ml Reaction Tubes in Rack (8 x 12-Strip Tubes)	10	£31.60
E1770-9410	1.2 ml Reaction Tubes in Rack (8 x 12-Strip Tubes) (Sterile)	10	£35.41
E1730-9000	1.2 ml 12-Strip Reaction Tubes	80	£19.32
	Strip Caps		
E1702-8400	8-Strip Caps for 1.2 ml Reaction Tubes	125	£13.24
E1702-8410	8-Strip Caps for 1.2 ml eaction Tubes (Sterile)	125	£15.86
E1703-9400	12-Strip Caps for 1.2 ml Reaction Tubes	80	£13.24
E1703-9410	12-Strip Caps for1.2 ml Reaction Tubes (Sterile)	80	£15.86

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

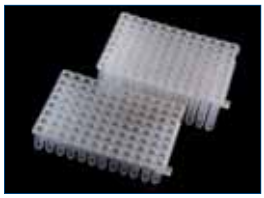
- Refillable! Tube refills are supplied in a frame ready to load into racks
- The tube frame prevents tubes falling out of rack or the codes getting out of sequence
- SBS footprint compatible with all robotics applications
- Alpha-numeric codes printed on bottom of each tube
- Ideal for archiving samples
- 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	£88.47
E1780-3700	Tube Rack Refill Frame, Loaded with 96 x 0.65 ml Alpha-Numeric Coded Tubes	10 Refills	£53.06
	1.2 ml Tubes		
E1780-2100	Tube Rack with Lid, Pre-Filled with 96 x 1.2 ml Alpha-Numeric Coded Tubes	10 Racks	£88.47
E1780-2700	Tube Rack Refill Frame, Loaded with 96 x 1.2 ml Alpha-Numeric Coded Tubes	10 Refills	£53.06
	Sealing Options		
E1780-8400	8-Strip Caps for 0.65 ml or 1.2 ml Tubes	1000/Bag	£176.95
E1780-8500	Piercable Cap Mat for 0.65 ml or 1.2 ml Tubes	10 Mats	£22.18

NOTE: PP tubes and racks are autoclavable. Strip caps and cap mat are not autoclavable.

0.65 ml Rack dimensions, incl. lid: 127 x 85 x 50 mm.

1.2 ml Rack dimensions, incl. lid: 127 x 85 x 50 mm.



Refill frames loaded with tubes

Piercable cap mat

8-strip caps

Non-sterile product certified RNase and DNase free

Sterile product certified RNase, DNase, DNA and Pyrogen free

Microtubes in rack with removable base

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

1.2 ml Microtubes in Rack			
Cat. No.	Description	Pack Size	Price
I1412-7400	1.2 ml Microtubes in Rack	10	£34.82
I1412-7410	1.2 ml Microtubes in Rack (Sterile)	10	£39.23
I1494-1400	8-Strip Caps for 1.2 ml Microtubes	120	£15.14
I1494-1410	8-Strip Caps for 1.2 ml Microtubes (Sterile)	120	£17.65

NOTE: PP tubes and racks are autoclavable. PE strip caps can not be autoclaved.

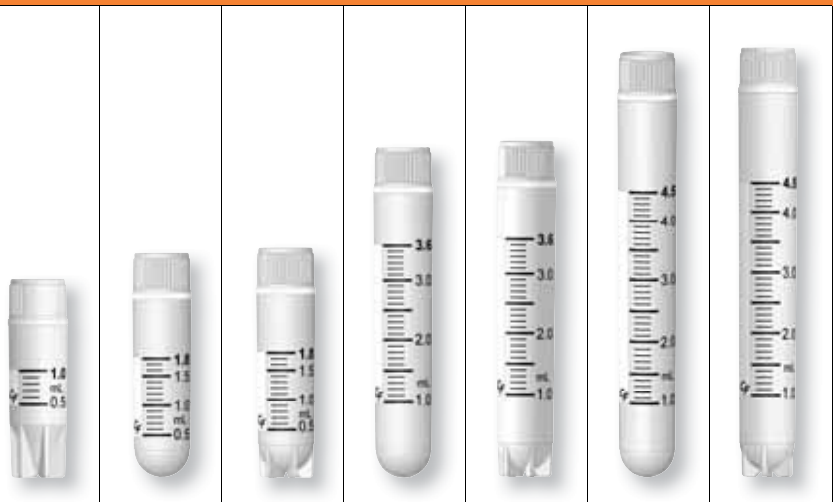
Rack dimensions, incl. lid (WxDxH): 85 x 127 x 41 mm.

Cryogenic Vials

STARLAB Cryogenic Vials have been developed 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

Cryogenic Vials (Sterile)



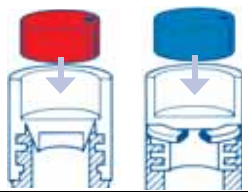
Tube Volume	**1.0 ml**	**1.8 ml**	**1.8 ml**	**3.6 ml**	**3.6 ml**	**4.5 ml**	**4.5 ml**
Tube Style	Skirted	Conical	Skirted	Conical	Skirted	Conical	Skirted
External Threaded Tube Self-Sealing Cap	E3090-6212 £107.31 Pack Size: 10 x 50 Height: 41 mm	E3090-6321 £107.31 Pack Size: 10 x 50 Height: 43 mm	E3090-6222 £107.31 Pack Size: 10 x 50 Height: 48 mm	n/a	n/a	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	E3110-6142 £107.31 Pack Size: 6 x 50 Height: 91 mm

Sterile, and certified RNase, DNase, DNA, PCR Inhibitor and Endotoxin free

Supplied in convenient, resealable, self-standing bags

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

Coloured Cap Inserts



E1494-6###* £14.43
Pack Size: 500

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

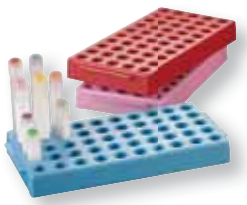
001 Blue	002 Green	003 Orange	004 Red	104 Pink	005 Violet	006 Yellow	007 Brown	108 Grey	009 White	099 Mixed

Cryogenic Accessories

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	£36.91
E9189-3009	StarTag Cryo (38 x 15 mm), White	1000 Labels / Roll	£26.52

See page 100 for more informatioin on the cryogenic labels.

See pages 119–120 for cryogenic storage boxes and work racks



*Lock rack page 120

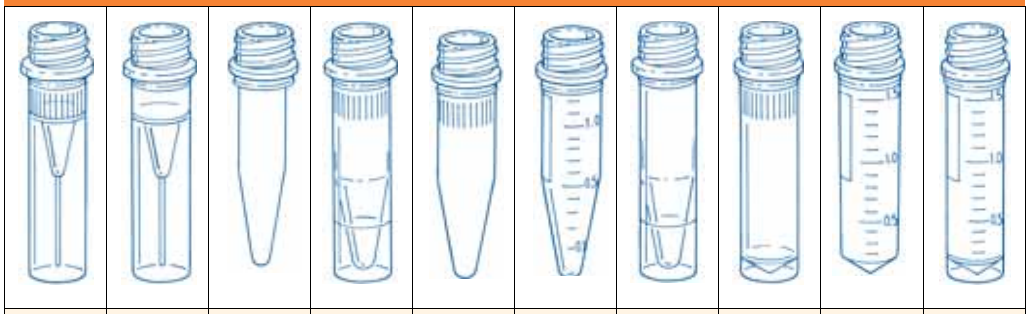
Screw Cap Microtubes

Mix and match – tubes and caps!

Polypropylene screw cap tubes that are suitable for many applications from sample storage in the **gas phase of liquid nitrogen** to freezer, through boiling to autoclave (121 °C). Routinely tested to 20,000 x g. All tubes and caps are autoclavable. Frosted writing area on selected tubes. Certified RNase, DNase, DNA and PCR Inhibitor free.

FREE SAMPLE TRY before you BUY available on request

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

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 secure seal/grip made from inert TPE. The 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 inside to form a seal against the rim of the 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 £35.62 Pack 500	E1480-0199 £37.68 Pack 500
Tethered Caps Polypropylene cap with separate, ethylene-propylene o-ring inside to form a seal against the rim of the tube.	E1480-0200 £37.68 Pack 500	E1480-0201 £39.71 Pack 500	E1480-0202 £39.71 Pack 500	E1480-0203 £39.71 Pack 500	E1480-0204 £39.71 Pack 500	E1480-0205 £39.71 Pack 500	E1480-0206 £39.71 Pack 500	E1480-0207 £39.71 Pack 500	E1480-0208 £39.71 Pack 500	E1480-0209 £39.71 Pack 500	E1480-0299 £39.71 Pack 500

Screw Cap Microtubes (Sterile)

Sterile product is supplied in convenient, resealable bags of 50 tubes

	Ready-Assembled Tubes & Caps (Sterile)				
Volume:	**0.5 ml**	**1.5 ml**	**1.5 ml**	**2.0 ml**	**2.0 ml**
Style:	Plain	Graduated	Plain	Graduated	Graduated
Base:	Skirted	Conical	Skirted	Conical	Skirted
with Natural Standard Caps (Sterile) Tubes supplied ready assembled with 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) Tubes supplied ready assembled with natural tethered caps wtih o-ring seal.	E1405-2142 £46.74 Pack 5 x 50	E1415-2232 £46.74 Pack 5 x 50	E1415-2242 £46.74 Pack 5 x 50	E1420-2332 £46.74 Pack 5 x 50	E1420-2342 £46.74 Pack 5 x 50
with Natural/White EasyGrip Caps (Sterile) Tubes supplied ready assembled with 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)* Tubes supplied ready assembled with 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# £36.96 Pack 5 x 50	E1420-031# £36.96 Pack 5 x 50

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

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

Assembled sterile tubes & caps

These are the same tubes and caps as those listed opposite but provided sterile and pre-assembled. Supplied in convenient, resealable mini bags 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. Sterile and certified RNase, DNase, DNA, PCR Inhibitor and Endotoxin free.

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. Routinely tested to 15,000 x g. Temperature use: -80°C to 121°C. Autoclavable. Certified RNase, DNase, DNA and PCR Inhibitor 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 1.0 ml, 2.5 ml and 4.0 ml. Leakproof push-on polyethylene cap with a ribbed plug to clamp firmly on the tube. Centrifugation rates: 15,000 x g (PP), 7000 x g (PS). Temperature use: -50 °C to 80 °C (PP tubes* with cap) / -10 °C to 70 °C (PS tubes with cap).

12 x 75 Tubes			
Cat. No.	Description	Pack Size	Price
E1412-6201	12 x 75 Polypropylene Graduated Tube	2 x 1000	£35.41
E1412-6200	12 x 75 Polystyrene Graduated Tube	2 x 1000	£35.41
E1412-6300	Cap for 12 x 75 Graduated Tubes, PE, Natural	2000	£33.03

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

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

4.0 ml Scintillation Vial Insert			
Cat. No.	Description	Pack Size	Price
E1412-7000	4.0 ml Scintillation Vial Insert Tube with Screw Cap	1000	£73.81

Dimensions (HxØ) incl. cap: 53.6 x 13.7 mm.

Ultra clear, sterile polystyrene bijou container with white polypropylene cap. 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	£102.42
E1412-0711	7.0 ml Polystyrene Bijou Container, with Label (Sterile)	700	£106.24

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

FREE SAMPLE TRY before you BUY available on request

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	£44.24

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

Polypropylene (PP) or polystyrene (PS) sterile tubes with white writing area and graduations marked at 0.25 ml increments. The dual position polyethylene caps can be left loose for aerobic work or sealed for anaerobic culture. Centrifugation rates: 3000 x g (PP), 1400 x g (PS). Temperature use: -190 °C to 120 °C (PP) / -10 °C to 70 °C (PS).

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	£106.83
I1485-2810	12 ml Polystyrene Culture Tube with Cap (Sterile)	20 x 25-Tube Bags	£106.83

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

Tubes & Containers

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

20 ml Scintillation Vial			
Cat. No.	Description	Pack Size	Price
E1412-7100	20 ml Plastic Scintillation Vial	1000	£153.30

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	£40.42
E1412-3021	30 ml Polypropylene Universal Container, Plain Label (Sterile[1])	400	£43.04
E1412-3022	30 ml Polypropylene Universal Container, Printed Label (Sterile[1])	400	£43.04
E1412-3010	30 ml Polystyrene Universal Container, No Label (Sterile[1])	400	£54.37
E1412-3011	30 ml Polystyrene Universal Container, Plain Label (Sterile[1])	400	£56.88
E1412-3012	30 ml Polystyrene Universal Container, Printed Label (Sterile[1])	400	£58.19

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

FREE SAMPLE TRY before you BUY available on request

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

60 ml Polystyrene Screw Cap Container			
Cat. No.	Description	Pack Size	Price
E1412-6004	60 ml Polystyrene Container, Red Screw Cap (Sterile[1])	600	£94.79

Dimensions (HxØ) incl. cap: 66 x 44.5 mm. [1]Aseptically produced in a fully-automated and bio-controlled environment.

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

125 ml Polypropylene Screw Cap Container			
Cat. No.	Description	Pack Size	Price
E1412-6104	125 ml Polypropylene Graduated Container, Red Cap (Sterile[1])	475	£69.51

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

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

60 ml – 250 ml Straight-Sided Metal Cap Containers			
Cat. No.	Description	Pack Size	Price
E1412-6000	60 ml Polystyrene Container, Metal Cap, Printed Label (Sterile)	300	£74.52
E1412-1000	100 ml Polystyrene Container, Metal Cap (Sterile[1])	160	£65.64
E1412-1500	150 ml Polystyrene Container, Metal Cap (Sterile[1])	120	£72.02
E1412-2500	250 ml Polystyrene Container, Metal Cap (Sterile[1])	48	£45.14

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

PCR Tubes

Single PCR tubes

- PCR tubes manufactured from medical grade polypropylene
- Positive click on closing gives assurance that tubes are fully closed
- Ultra thin walls ensure efficient thermal transfer and maximum yield
- Supplied in resealable bags
- Certified RNase, DNase, DNA and PCR Inhibitor free
- Endotoxin free

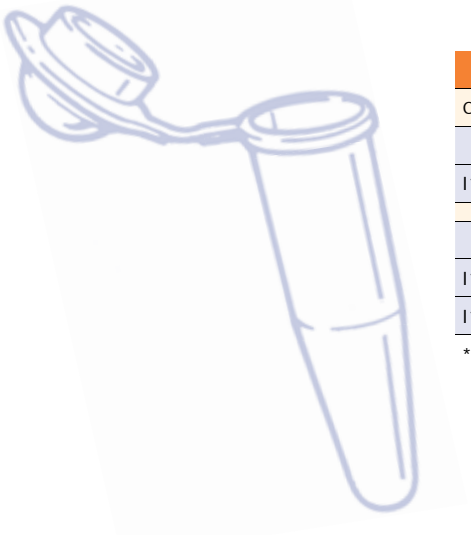
I1405-8100 and I1402-8100

0.2 ml PCR Tubes					
Cat. No.		Description	Colour	Pack Size	Price
Domed Caps					
I1402-4300	C	0.2 ml PCR Tube, Domed Cap	Natural	1000	£40.42
I1402-4308		0.2 ml PCR Tube, Domed Cap	Mixed*	5 x 200	£40.42
Flat Caps					
I1402-8100	C	0.2 ml PCR Tube, Flat Cap	Natural	1000	£40.42
I1402-8108		0.2 ml PCR Tube, Flat Cap	Mixed*	5 x 200	£40.42
I1402-8200		0.2 ml PCR Tube, Flat Cap (X-Clear) for qPCR	Natural	1000	£40.42

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

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

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	£45.55



0.5 ml PCR Tubes					
Cat. No.		Description	Colour	Pack Size	Price
Domed Caps					
I1405-8200	C	0.5 ml PCR Tube, Domed Cap	Natural	1000	£29.09
Flat Caps					
I1405-8100	C	0.5 ml PCR Tube, Flat Cap	Natural	1000	£29.09
I1405-8108		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.

FREE SAMPLE TRY before you BUY available on request

PCR Strips

Strip tubes and strip caps

- PCR tube and cap strips made from medical grade polypropylene
- Strips can be easily split into smaller sections by snapping apart
- White strip tubes and extra clear flat cap strips suitable for qPCR
- Supplied in resealable bags
- Certified RNase, DNase, DNA and PCR Inhibitor free
- Endotoxin free

I1402-1200 and I1400-1200

New!

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

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

12-Strip					
Cat. No.		Description	Colour	Pack Size	Price
Tubes only					
I1402-1200	C	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
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 (X-Clear)	Natural	80	£18.96

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

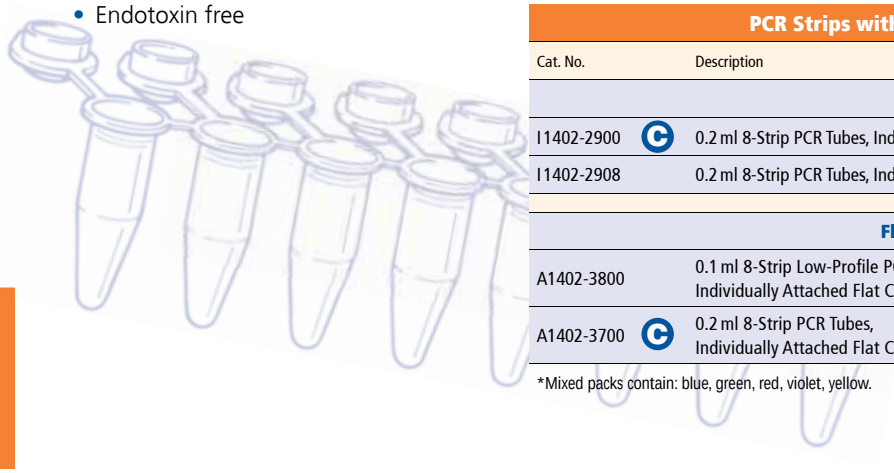
C CASE SIZES (x10 packs) available at discount! To order by the case, add **-C** to the end of the Cat. No.

PCR Strips

Tube strips with attached caps

- PCR tube strips with attached caps made from medical grade polypropylene
- Attached caps eliminates the possibility of cross-contamination through accidental tube–cap mix up
- Strips can be easily split into smaller sections by snapping apart
- Supplied in resealable bags
- Certified RNase, DNase, DNA and PCR Inhibitor free
- Endotoxin free

A1402-3700



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

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

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

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

I1402-2800

PCR Strips with Attached Cap Strip					
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
X-Clear Flat Caps					
I1402-2700	C	0.2 ml 8-Strip PCR Tubes, Attached Flat Cap Strip (X-Clear)	Natural	125	£107.43

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

qPCR Strips

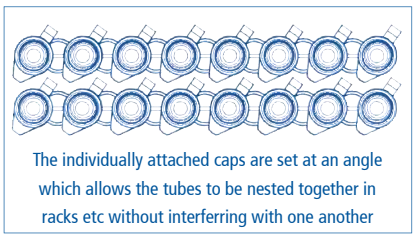
White tubes and extra clear caps

Ideal for qPCR!

White tubes maximise reflectance for enhanced signal and the extra clear caps allow optimal signal transmission and detection.

- Made from medical grade polypropylene
- Available in standard height (0.2 ml), or in low-profile (0.1 ml) to minimise the space above the PCR reaction and further reduce evaporation effects
- Supplied in resealable bags
- Certified RNase, DNase, DNA and PCR Inhibitor free
- Endotoxin free

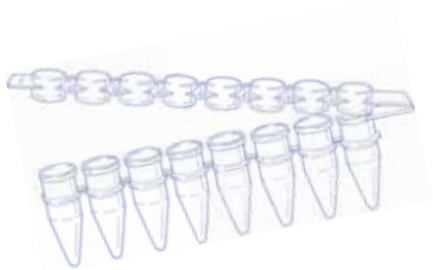
Strip Tube & Cap Combo Packs				
Cat. No.	Description	Colour	Pack Size	Price
I1409-4700	0.1 ml 8-Strip White PCR Tubes, Low-Profile and 8-Strip PCR Caps, Flat (X-Clear)	White/ Natural	125 pairs	£90.85
I1409-5700	0.2 ml 8-Strip White PCR Tubes and 8-Strip PCR Caps, Flat (X-Clear)	White/ Natural	125 pairs	£90.85



The individually attached caps are set at an angle which allows the tubes to be nested together in racks etc without interferring with one another

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.

8-Strip Non-Flex PCR Tubes with Individual Caps				
Cat. No.	Description	Colour	Pack Size	Price
	Low-Profile			
I1402-3800	0.1 ml 8-Strip Low-Profile Non-Flex PCR Tubes, Individually Attached Flat Caps (X-Clear)	Natural / Natural	120	£107.43
I1409-3800	0.1 ml 8-Strip Low-Profile White Non-Flex PCR Tubes, Individually Attached Flat Caps (X-Clear)	White / Natural	120	£107.43
	Standard Height			
I1402-3700	0.2 ml 8-Strip Non-Flex PCR Tubes, Individually Attached Flat Caps (X-Clear)	Natural / Natural	120	£107.43
I1409-3700	0.2 ml 8-Strip White Non-Flex PCR Tubes, Individually Attached Flat Caps (X-Clear)	White / Natural	120	£107.43



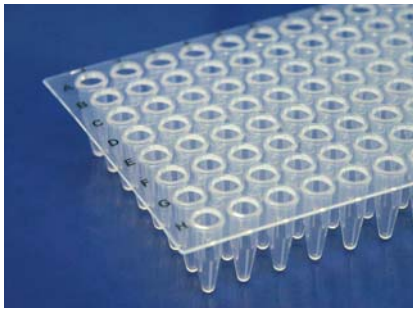
8-Strip PCR Tubes with Attached Cap Strip				
Cat. No.	Description	Colour	Pack Size	Price
I1409-2700	0.2 ml 8-Strip White PCR Tubes, Att. Flat Cap Strip (X-Clear)	White / Natural	125	£107.43

Rotor-Gene® Style tube strips and caps

0.1 ml 4-strip tubes and caps suitable 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
I1402-0400	0.1 ml 4-Strip Rotor-Gene® Style Tubes and Caps	Natural	250	£75.83

Non-Skirted PCR Plates



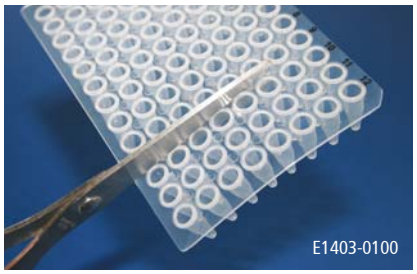
Non-skirted plates with highly-visible printed matrix

Non-skirted PCR plates

- Non-skirted plates for a universal fit, suitable for most thermal cyclers
- Opaque white or black plates show low auto-fluorescence with chemiluminescence (white) or fluorescence (black) detectors. White plates also increase signal yield.
- Supplied in resealable bags
- Certified RNase, DNase, DNA and PCR Inhibitor free
- Endotoxin free

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.



E1403-0100

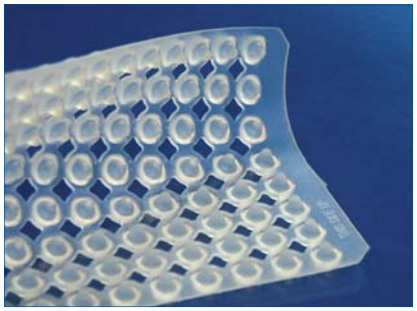
Non-Skirted Plate						
Cat. No.		Description	Cut Corner	Colour	Pack Size	Price
Low-Profile						
E1403-0200	C	96-Well PCR Plate, Non-Skirted, Low Profile	H12	Natural	20	£64.51
E1403-0208		96-Well PCR Plate, Non-Skirted, Low Profile	H12	Black	20	£64.51
E1403-0209	C	96-Well PCR Plate, Non-Skirted, Low 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 (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 77), or the plate seals suitable for PCR (pages 93–94). For an overview of PCR plate sealing options, see page 86.

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

Non-Skirted 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	£27.90

This plate has a moulded matrix. Above plate can be sealed with the plate seals suitable for PCR (pages 93–94). For an overview of PCR plate sealing options, see page 86.



Silicone sealing mat (autoclavable)

Reusable, ultra-flexible, 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.

Non-Skirted PCR Plates

Non-skirted plates with elevated wells have highly-visible printed matrix

Non-Skirted 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 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 77).
For an overview of PCR plate sealing options, see page 86.

Barcoded PCR Plates

Barcoded plates have highly-visible printed matrix.

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

Images for illustrative purposes only.

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

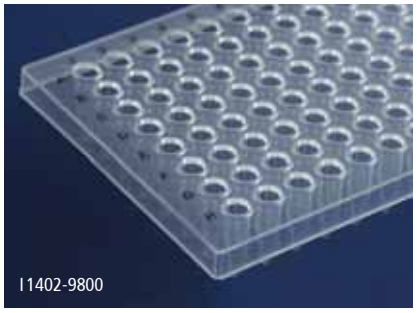
96-Well Skirted PCR Plate, Barcoded					
Cat. No.	Description	Cut Corner	Colour	Pack Size	Price
E1403-5200-BC	96-Well PCR Plate, Skirted, Low-Profile, with Barcode	A12	Natural	10x10	£375.59

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



Semi-skirted plates with highly-visible printed matrix

Semi-skirted PCR plates

- Opaque white or black plates show low auto-fluorescence with chemiluminescence (white) or fluorescence (black) detectors
  White plates also increase signal yield
- Specialist plates (for FAST® Systems, qPCR)
- Supplied in resealable bags
- Certified RNase, DNase, DNA and PCR Inhibitor free
- Endotoxin free

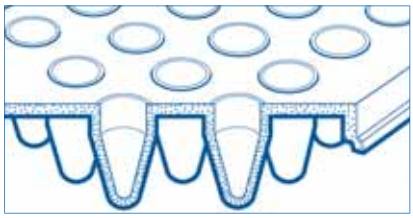
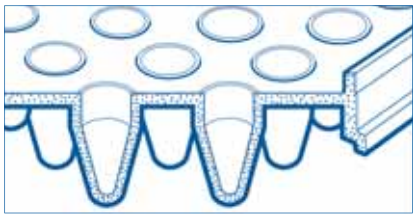


Plate capacities
Approximate maximum capacity for all 96-well plates is 350 µl for standard height plates, or 200 µl for low-profile plates

Semi-Skirted 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				
I1402-9700	C	96-Well PCR Plate, Semi-Skirted	A12	Natural	10	£32.91
I1402-9701		96-Well PCR Plate, Semi-Skirted	A12	Blue	10	£32.91
I1402-9708	C	96-Well PCR Plate, Semi-Skirted	A12	Black	10	£32.91
I1402-9709		96-Well PCR Plate, Semi-Skirted	A12	White	10	£32.91
I1402-9799		96-Well PCR Plate, Semi-Skirted	A12	Mixed*	10	£32.91
I1402-9800		96-Well PCR Plate, Semi-Skirted, Straight Edges	A12	Natural	10	£32.91
I1402-9809	C	96-Well PCR Plate, Semi-Skirted, Straight Edges	A12	White	10	£32.91
I1402-9909	C	96-Well PCR Plate, Semi-Skirted, for Roche® Lightcycler®	H12	White	10	£32.91
		Sealing Mat				
E1403-0000		Silicone Sealing Mat (Autoclavable)		Natural	5	£30.40

*Mixed pack contains two plates of the following colours: blue, green, red, violet, yellow. NOTE: Sealing mat E1403-0000 is not suitable for qPCR. Above plates can also be sealed with PCR strip caps (page 77), or the plate seals suitable for PCR (pages 93–94). For an overview of PCR plate sealing options, see page 86.

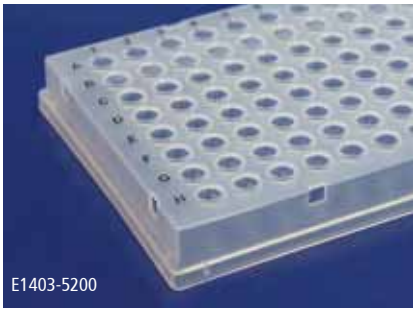


Semi-Skirted Plates with Raised Rim						
Cat. No.		Description	Cut Corner	Colour	Pack Size	Price
		TAQMan®-Style Plate				
E1403-8200	C	96-Well PCR Plate, Semi-Skirted, Raised Rim	A12	Natural	10	£32.91
E1403-8209		96-Well PCR Plate, Semi-Skirted, Raised Rim	A12	White	10	£32.91
		Plate for FAST® Systems				
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	£30.40

NOTE: Sealing mat E1403-0000 is not suitable for qPCR. Above plates can also be sealed with PCR strip caps (page 77), or the plate seals suitable for PCR (pages 93–94). For an overview of PCR plate sealing options, see page 86.

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

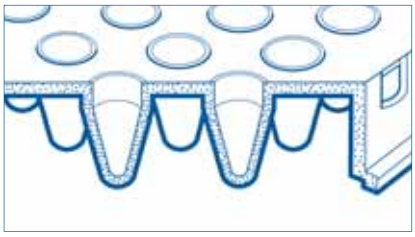
Skirted PCR Plates



96-well skirted plates with highly-visible printed matrix

96-well skirted PCR plates

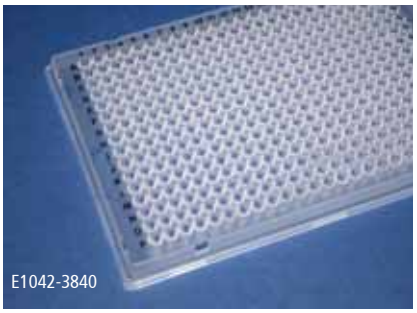
- Opaque white or black plates show low auto-fluorescence with chemiluminescence (white) or fluorescence (black) detectors. White plates also increase signal yield
- Holes on sides for robotics handling
- Supplied in resealable bags
- Certified RNase, DNase, DNA and PCR Inhibitor free
- Endotoxin free



FREE SAMPLE TRY before you BUY available on request

96-Well, Skirted Plates						
Cat. No.		Description	Cut Corner	Colour	Pack Size	Price
E1403-5200	C	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
E1403-5300		96-Well PCR Plate, Skirted, Low Profile, for MegaBACE®	H1	Natural	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 77), or the plate seals suitable for PCR (pages 93–94). For an overview of PCR plate sealing options, see page 86.



384-well skirted plates have a highly visible printed matrix (except E1042-2500 and E1042-3000 which both have a moulded matrix)

384-well skirted PCR plates

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

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

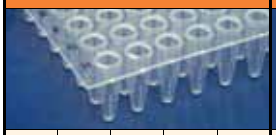
NOTE: Sealing mat E1042-2350 is not suitable for qPCR. Above plates can also be sealed with the plate seals suitable for PCR (pages 93–94). For an overview of PCR plate sealing options, see page 86.

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

STAR LAB

PCR Plate–Cycler Compatibility

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	96	384	384	384	384
	Cat. No.:	B1402-0595	E1403-0100	E1403-0200*	E1403-1200*	E1403-2200*	E1403-6200*	E1403-7700*	E1403-8200*	I1402-9700*	I1402-9800*	I1402-9909	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		✓		✓													
BIOMETRA																		
Thermal Cyclers	Uno	✓	✓	✓	✓	✓				✓	✓		✓					
	Uno II	✓	✓	✓	✓	✓				✓	✓				✓	✓	✓	
	T1 Thermocycler, Trobot	✓	✓	✓	✓	✓				✓	✓		✓		✓	✓	✓	
	Tgradient	✓	✓	✓	✓	✓				✓	✓		✓		✓	✓		
	T3000 & TProfessional		✓	✓	✓								✓				✓	
Real-Time	Toptical		✓	✓	✓								✓				✓	
BIO-RAD/MJ RESEARCH																		
Thermal Cyclers	C1000/S1000		✓	✓	✓						✓		✓				✓	✓
	DNA Engine range		✓	✓	✓						✓		✓				✓	✓
	Dyad / Dyad Disciple	✓	✓	✓	✓	✓					✓		✓			✓	✓	
	Gene Cycler		✓		✓	✓			✓	✓								
	iCYCLER	✓	✓		✓	✓					✓		✓					
	Mini Gradient		✓	✓	✓													
	MyCycler		✓		✓	✓					✓							
	Personal		✓		✓						✓							
	PTC-100, PTC-200, PTC 225-Tetrad	✓	✓	✓	✓	✓					✓		✓			✓	✓	
	T100		✓		✓								✓					
Real-Time Thermal Cyclers	OPTICON / OPTICON 2		✓	✓	✓								✓					
	CFX96												✓					
	CFX384																✓	✓
	CFX Connect			✓							✓		✓					
	Chromo-4			✓									✓					
	ICycler		✓		✓	✓					✓		✓				✓	
	iQ5 & MyiQ		✓		✓	✓					✓		✓					
Sequencer	BaseStation												✓					

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

PCR Plate–Cycler Compatibility

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	96	384	384	384	384
	Cat. No.:	B1402-0595	E1403-0100	E1403-0200*	E1403-1200*	E1403-2200*	E1403-6200*	E1403-7700*	E1403-8200*	I1402-9700*	I1402-9800*	I1402-9909	E1403-5200*	E1403-5300	E1042-2500	E1042-3000	E1042-3840*	E1042-9909
CORBETT																		
Thermal Cyclers	PalmCycler 96	✓									✓		✓					
	PalmCycler 384														✓	✓	✓	
EPPENDORF																		
Thermal Cyclers	Mastercycler		✓	✓	✓	✓					✓		✓					
	Mastercycler ep Gradient	✓	✓		✓	✓			✓	✓	✓		✓					
	Mastercycler Nexus & Nexus Eco		✓	✓	✓						✓		✓					
	Mastercycler Nexus Gradient		✓	✓	✓						✓		✓					
	Mastercycler Personal	✓																
	Mastercycler Pro		✓		✓						✓		✓				✓	
	Mastercycler M384														✓	✓	✓	
Real-Time	Mastercycler ep Realplex		✓		✓			✓	✓		✓		✓					
ERICOM																		
Thermal Cyclers	Delta Cycler I	✓	✓	✓	✓	✓					✓							
	Delta Cycler II	✓	✓	✓	✓	✓	✓		✓	✓								
	Power Block I		✓	✓	✓	✓	✓		✓	✓								
	Single Block & Twin Block	✓	✓	✓	✓	✓					✓							
ESCO / FLEXI																		
Thermal Cyclers	Swift		✓		✓	✓					✓						✓	
	Gene		✓		✓	✓					✓		✓		✓	✓	✓	
	Genius		✓		✓	✓					✓		✓		✓	✓		
G-STORM																		
Thermal Cyclers	GS1, GS2 & GS4		✓	✓	✓	✓	✓		✓	✓	✓							
	GSX & GSXs		✓	✓	✓	✓	✓		✓	✓	✓							
MWG																		
Thermal Cyclers	Primus 96	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓					
	Primus 384														✓	✓	✓	
ROCHE																		
Real-Time	LightCycler 96											✓						✓
	LightCycler 480											✓					✓	
STRATAGENE																		
Thermal Cyclers	Robocycler 96	✓	✓		✓						✓							
	Robocycler Gradient		✓	✓	✓	✓	✓		✓	✓	✓		✓					
	SureCycler 8800			✓														
Real-Time	Mx3005P & Mx4000		✓	✓	✓	✓	✓		✓	✓								
TaKaRa																		
Thermal Cyclers	TP240												✓					
	TP3000	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓					
Techne																		
Thermal Cyclers	Cyclogene	✓	✓	✓	✓	✓	✓		✓	✓	✓							
	Genius & Genius Quad	✓	✓	✓	✓	✓	✓		✓	✓	✓							
	Genius (TC412)		✓	✓	✓	✓	✓		✓	✓	✓		✓					
	Flexigene		✓	✓	✓	✓	✓		✓	✓	✓		✓				✓	
	Touchgene	✓	✓	✓	✓	✓	✓		✓	✓	✓							
	Touchgene X		✓	✓	✓				✓	✓	✓		✓		✓	✓	✓	
	Touchgene Gradient (TC512)		✓	✓	✓	✓	✓		✓	✓	✓		✓		✓	✓	✓	
Real-Time	PrimeQ			✓														
	Quantica			✓									✓					
THERMO HYBAID																		
Thermal Cyclers	PCR Sprint		✓	✓	✓	✓	✓		✓	✓	✓		✓					
	MBS Satelite (Multiblock) System		✓	✓	✓	✓	✓		✓	✓	✓		✓		✓	✓	✓	
	Px2 & PxE		✓	✓	✓	✓	✓		✓	✓	✓		✓		✓	✓	✓	
	PCR Express & Omni-E	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓		✓	✓	✓	
	Touchdown & Omnigene	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓		✓	✓	✓	
TRANSGENOMIC																		
Sequencer	WAVE System												✓					

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

PCR Plate–Sealing Overview

What are my sealing options?

For 24-well plates
- 8-strip caps

For 48-well plates
- 8-strip caps

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

For 384-well plates
- Sealing mats for 384-well plates
- Plate seals

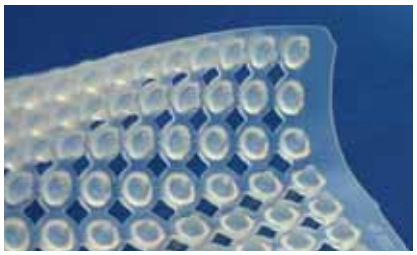
Strip caps

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 can be used on 24- and 48- or 96-well plates; 12-strip caps can be used on 96-well plates only). Strip caps allow the convenience of unsealing one row of plate wells at a time.

Flat caps enable labelling while domed caps provide the most secure seal when using thermal cyclers with a screw down lid. Use the flat, 'X-Clear' strip caps in Real-Time (qPCR) applications as these exceptionally clear caps allow the fluorescence signal to pass through.

For ordering details, see page 77.

Sealing mats



Particularly suitable for thermal cyclers with pressure-fit lids, silicone mats are very flexible, autoclavable and reusable. The mats can also be cut to size for use with 24 or 48-well plates. NOTE: Sealing mats are not suitable for real-time applications.

For ordering details, see pages 80–83.

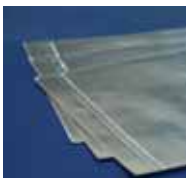
Plate seals

Plates seals are quick both to apply and to remove.

Self-adhesive seals

Five self-adhesive seals (page 93) offered by STARLAB are suitable for standard PCR. The X-Clear Advanced Polyolefin Seal is also 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 93.



Heat seals

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

For heat seal specifications and ordering details, see page 94.

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 84–85 to see which plate is suitable for your Real-Time Cycler.

Strip caps Use only the '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 93–94 for details.

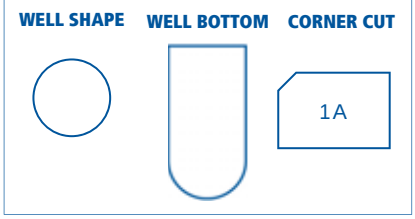
NOTE: Sealing mats are NOT suitable for Real-Time applications.

PlateOne® Deepwell Plates

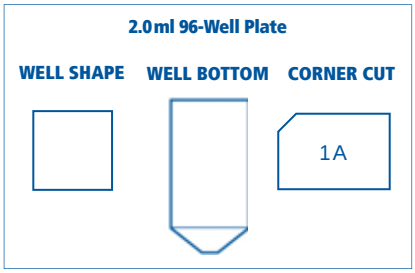
- Virgin polypropylene plates
- Highly visible, printed matrix
- SBS footprint
- Barcoded plates available on request
- Temperature use: -80°C to 121°C
- Autoclavable
- Rated up to 5000 x g
- Packed in resealable zipper bags
- Certified RNase, DNase, DNA and Pyrogen free

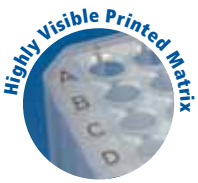
PlateOne

0.5ml & 1.0ml 96-Well Plates

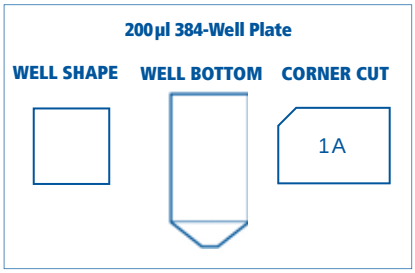


2.0ml 96-Well Plate





200µl 384-Well Plate



96 Deepwell Plates

Cat. No.	Description	Pack Size	Price
	0.5 ml, Round Wells, Round Bottom		
S1896-5800	0.5 ml 96 Deepwell Plate, Round Wells with Round Bottoms	4 x 8	£128.30
S1896-5000	0.5 ml 96 Deepwell Plate, Round Wells with Round Bottoms (Bulk)	32	£116.25
S1896-5110	0.5 ml 96 Deepwell Plate, Round Wells with Round Bottoms (Sterile), Individually Wrapped	32	£151.67
B1494-1224	DMSO Resistant Polyolefin Sealing Mat for 96-Well with Round Wells	24	£101.11
	1.0 ml, Round Wells, Round Bottom		
S1896-1800	1.0 ml 96 Deepwell Plate, Round Wells with Round Bottoms	4 x 5	£80.84
S1896-1000	1.0 ml 96 Deepwell Plate, Round Wells with Round Bottoms (Bulk)	20	£75.83
S1896-1110	1.0 ml 96 Deepwell Plate, Round Wells with Round Bottoms (Sterile), Individually Wrapped	20	£96.10
B1494-1224	DMSO Resistant Polyolefin Sealing Mat for 96-Well with Round Wells	24	£101.11
	2.0 ml, Square Wells, V-Shaped Bottom		
S1896-2800	2.0 ml 96 Deepwell Plate, Square Wells with V-Shape Bottoms	4 x 5	£96.10
S1896-2000	2.0 ml 96 Deepwell Plate, Square Wells with V-Shape Bottoms (Bulk)	20	£85.97
S1896-2110	2.0 ml 96 Deepwell Plate, Square Wells with V-Shape Bottoms (Sterile), Individually Wrapped	20	£106.12
B1494-1124	DMSO Resistant Polyolefin Sealing Mat for 96-Well with Square Wells	24	£101.11
E2896-1801	Piercable Sealing Mat for 96-Well with Square Wells	5	£32.91

Plate Dimensions (WxDxH): 0.5 ml: 127.8 x 85.5 x 14.35 mm. 1.0 ml and 2.0 ml: 127.8 x 85.5 x 44.10 mm.

Sealing Options

All PlateOne® Plates can be sealed with the designated sealing mats listed, or with the plate seals on pages 93–94

CERTIFIED FREE OF RNase, DNase, DNA, PYROGENS

384 Deepwell Plates

Cat. No.	Description	Pack Size	Price
	200 µl, Square Wells, V-Shaped Bottom		
S1884-2400	200 µl 384 Deepwell Plate, Square Wells with V-Shape Bottoms	4 x 10	£192.09
S1884-2000	200 µl 384 Deepwell Plate, Square Wells with V-Shape Bottoms (Bulk)	40	£176.95
S1884-2410	200 µl 384 Deepwell Plate, Square Wells with V-Shape Bottoms (Sterile), Individually Wrapped	40	£222.49
B1494-1024	Autoclavable, DMSO Resistant Sealing Mat for 384-Well Plates with Square Wells, Blue	24	£119.81

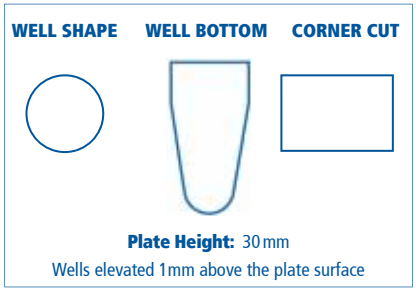
Plate Dimensions (WxDxH): 127.8 x 85.5 x 25.10 mm.

STAR LAB

96-Well Deepwell Plates

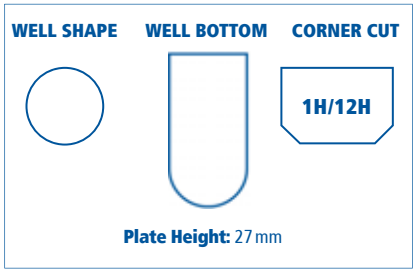
Features

- Virgin polypropylene plates with SBS footprint
- Alpha-numeric reference grid (moulded)
- Pierceable mats reseal after use
- The chemically resistant mats can be used with DMSO and other solvents
- Plate temperature use: -80 °C to 121 °C.
- All plates are autoclavable



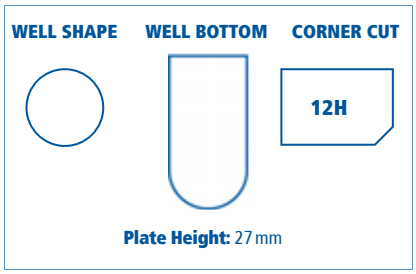
0.6 ml, Low-Profile, Round Wells			
Cat. No.	Description	Pack Size	Price
E2896-0600	0.6 ml 96 Deepwell Plate, Round Wells with Conical Bottoms	5	£13.95

Certified RNase and DNase free.



1.1 ml, Low-Profile, Round Wells (Sterile)			
Cat. No.	Description	Pack Size	Price
E2896-0110	1.1ml 96 Deepwell Plate, Round Wells with Round Bottoms, Low-Profile (Sterile)	2 x 5	£37.92
	Sealing Mats		
E2896-1100	Piercable, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Round Wells	10	£31.60
E2896-1110	Piercable, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Round Wells (Sterile)	2 x 5	£37.91
E2896-2200	Chemically Resistant, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Round Wells	10	£50.56

Certified RNase and DNase free.



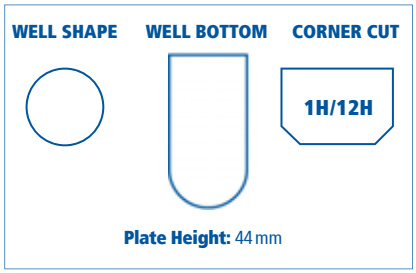
1.2 ml, Low-Profile, Round Wells			
Cat. No.	Description	Pack Size	Price
E2896-0120	1.2 ml 96 Deepwell Plate, Round Wells with Round Bottoms, Low-Profile	50	£141.95
	Sealing Options		
E2896-0320	Pierceable TPE Sealing Mat for 1.2ml 96 Deepwell Plates, Round Wells	50	£130.59
E1780-8400	Pierceable TPE 8-Strip Caps for 96 Deepwell Plates with Round Wells	1000 Strips	£176.95

Deepwell plate sealing options

Deepwell plates can be sealed with the sealing mat listed in the plate's ordering table, or with the plate seals on pages 93–94

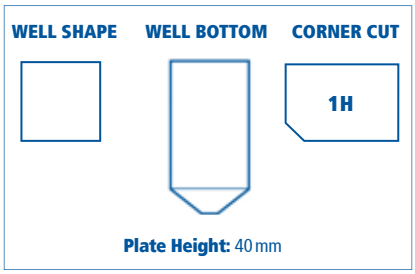
FREE SAMPLE TRY before you BUY available on request

96-Well Deepwell Plates

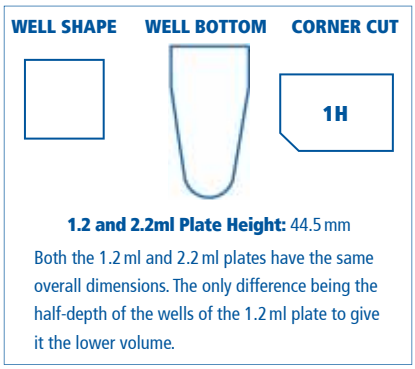


2.0 ml, Round Wells			
Cat. No.	Description	Pack Size	Price
E2896-2100	2.0 ml 96 Deepwell Plate, Round Wells with Round Bottoms,	10	£41.73
E2896-2110	2.0 ml 96 Deepwell Plate, Round Wells with Round Bottoms (Sterile)	2 x 5	£53.06
	Sealing Mats		
E2896-1100	Piercable, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Round Wells	10	£31.60
E2896-1110	Piercable, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Round Wells (Sterile)	2 x 5	£37.91
E2896-2200	Chemically Resistant, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Round Wells	10	£50.56

Certified RNase and DNase free.

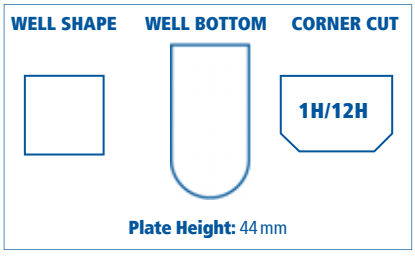


2.2 ml, Square Wells			
Cat. No.	Description	Pack Size	Price
E2896-0220	2.2 ml 96 Deepwell Plate, Square Wells with V-Shaped Bottoms	50	£153.30
	Sealing Options		
E2896-2501	Piercable TPE Sealing Mat for 2.2 / 2.5 ml 96 Deepwell Plates with Square Wells	20	£49.51



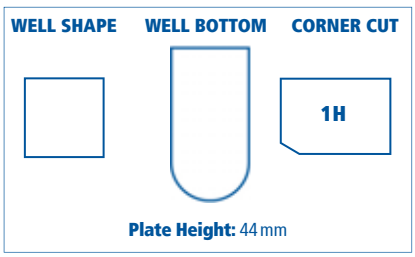
1.1 ml and 2.2 ml, Square Wells			
Cat. No.	Description	Pack Size	Price
	1.2 ml Deepwell Plate		
E2896-1820	1.2 ml 96 Deepwell Plate, Square Wells with Conical Bottoms	10	£31.60
	2.2 ml Deepwell Plate		
E2896-1810	2.2 ml 96 Deepwell Plate, Square Wells with Conical Bottoms	10	£35.41
	Sealing Mat		
E2896-1801	Piercable, Autoclavable Silicone Sealing Mat for 1.2 ml and 2.2 ml 96 Deepwell Plates with Square Wells	5	£32.91

Certified RNase and DNase free.



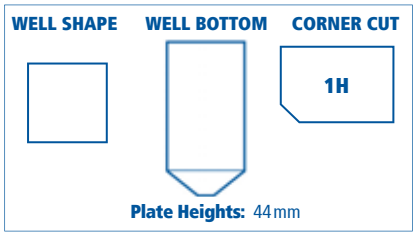
2.0 ml, Square Wells (Sterile)			
Cat. No.	Description	Pack Size	Price
E2896-0210	2.0 ml 96 Deepwell Plate, Square Wells with Round Bottoms (Sterile)	5 x 5	£136.52
	Sealing Mat		
E2896-1200	Piercable, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Square Wells	10	£31.60

Certified RNase and DNase free.



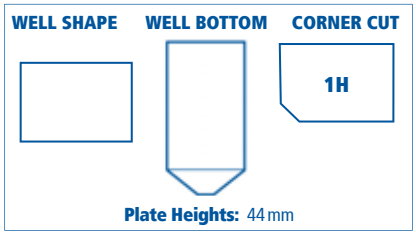
2.5 ml, Square Wells			
Cat. No.	Description	Pack Size	Price
E2896-2500	2.5 ml 96 Deepwell Plate, Square Wells with Round Bottoms	20	£113.56
	Sealing Mat		
E2896-2501	Piercable TPE Sealing Mat for 2.2 / 2.5 ml 96 Deepwell Plates with Square Wells	20	£49.51

24-Well Deepwell Plates



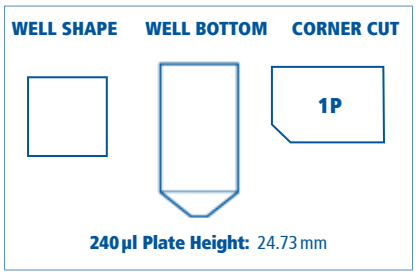
10 ml, SquareWells			
Cat. No.	Description	Pack Size	Price
E2824-0000	10 ml 24 Deepwell Plate, Square Wells with V-Shape Bottoms	20	£141.95
	Sealing Mat		
E2824-0001	Pierceable TPE Sealing Mat for 10 ml 24 Deepwell Plate	20	£74.95

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	£141.95
E2848-5010	5.0 ml 48 Deepwell Plate, Rectangle Wells with V-Shape Bottoms (Sterile)	2 x 5	£163.80
	Sealing Mat		
E2848-0001	Pierceable TPE Sealing Mat for 5.0 ml 48 Deepwell Plates	20	£74.95

384-Well Deepwell Plates

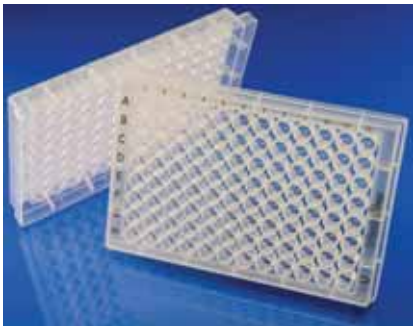


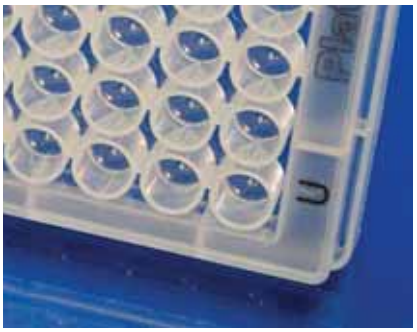
240 µl, Square Wells			
Cat. No.	Description	Pack Size	Price
	240 µl 384-Well Plate		
E2384-2400	240 µl 384 Deepwell Plate, Square Wells with V-Shape Bottoms	10	£45.55
	Sealing Mats		
E2384-2000	Chemically Resistant, Autoclavable Silicone Sealing Mat for 384 Deepwell Plates with Square Wells (Autoclavable)	10	£50.56

Deepwell plate sealing options

Deepwell plates can be sealed with the sealing mat listed in the plate's ordering table, or with the plate seals on pages 93–94

PlateOne® Microplates



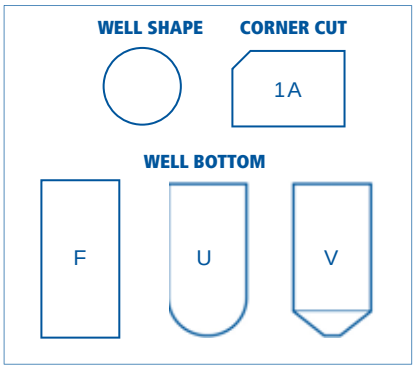


Well-bottom shape indicator code on every plate for easy identification

PlateOne® 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 resistence
- 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 and Pyrogen free

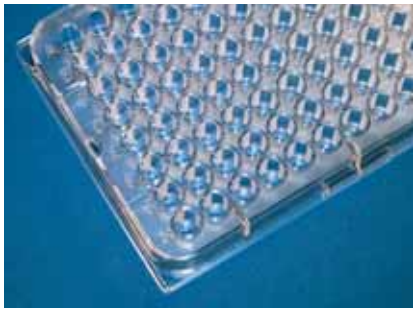


PlateOne® 96-Well Microplates			
Cat. No.	Description	Pack Size	Price
	Flat Bottom (F) Plates, Max. Working Volume 370 µl		
S1837-9600	96-Well Microplate, Round Wells with Flat Bottoms,	4 x 20	£139.03
S1837-9610	96-Well Microplate, Round Wells with Flat Bottoms (Sterile)	4 x 20	£156.68
	Round Bottom (U) Plates, Max. Working Volume 320 µl		
S1830-9600	96-Well Microplate, Round Wells with Round Bottoms	4 x 20	£139.03
S1830-9610	96-Well Microplate, Round Wells with Round Bottoms (Sterile)	4 x 20	£156.68
	V-Shape Bottom (V) Plates, Max. Working Volume 320 µl		
S1833-9600	96-Well Microplate, Round Wells with V-Shape Bottoms	4 x 20	£139.03
S1833-9610	96-Well Microplate, Round Wells with V-Shape Bottoms (Sterile)	4 x 20	£156.68
	Sealing Mat		
B1494-1224	DMSO Resistant Polyolefin Sealing Mat for 96-Well Plates with Round Wells	24	£101.11

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

Microplate sealing options
Microplates can be sealed with the sealing mat listed in the ordering table, or with the plate seals on pages 93–94

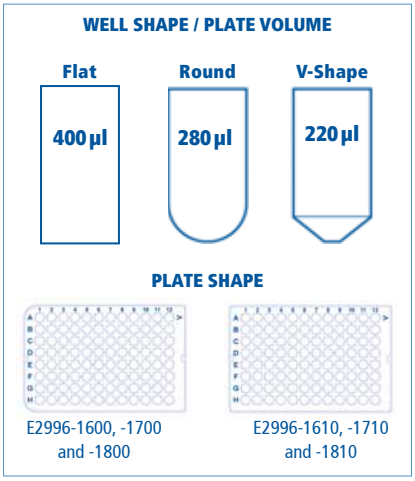
Polystyrene Microplates



Ultra clear polystyrene microplates

96-well microplates made from crystal clear polystyrene (PS). The plates are available in a choice of three different well bottoms: flat (suitable for optical reading eg. non-UV spectrophotometers, and ELISA applications when pre-treated plates are not required), plus round and v-shaped (suitable when total sample recovery is required).

Choose from aseptically produced plates in convenient mini-packs or individually-wrapped, sterile (irradiated) plates. Lids available separately.

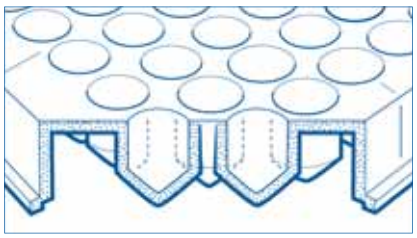


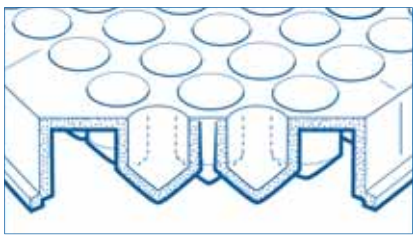
Sealing options: Can also be sealed with plate seals suitable for PS plates on pages 93–94

Polystyrene Microplates			
Cat. No.	Description	Pack Size	Price
	Sterile[1]		
E2996-1600	96-Well Microplate, Round Wells, Flat Bottom, PS (Sterile[1])	20 x 5	£45.55
E2996-1700	96-Well Microplate, Round Wells, Round Bottom, PS (Sterile[1])	20 x 5	£44.24
E2996-1800	96-Well Microplate, Round Wells, V-Shape Bottom, PS (Sterile[1])	20 x 5	£44.24
E2996-1900	PS Lid for 96-Well PS Microplates (Sterile[1])	20 x 5	£44.24
	Sterile[2], Individually-Wrapped		
E2996-1610	96-Well Microplate, Round Wells, Flat Bottom, PS (Sterile[2]), Individually-Wrapped	50	£48.05
E2996-1710	96-Well Microplate, Round Wells, Round Bottom, PS (Sterile[2]), Individually-Wrapped	50	£48.05
E2996-1810	96-Well Microplate, Round Wells, V-Shaped Bottom, PS (Sterile[2]), Individually-Wrapped	50	£48.05
E2996-1910	PS Lid for 96-Well PS Microplates (Sterile), Ind. Wrapped	50	£37.92

[1]Aseptically produced in a fully-automated and bio-burden controlled environment. [2]Sterilised via irradiation.
Plate dimensions (WxDxH): 127.4 x 85.9 x 14.7 mm. 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: Polypropylene assay plates can be sealed with the sealing mats listed or with the plate seals on pages 93–94

Polypropylene 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	£20.27
E2996-1510	480 µl Assay Plate, 96 Round Wells with V-Shape Bottoms (Sterile)	10	£25.28
	Round Bottoms		
E2996-0500	500 µl Assay Plate, 96 Round Wells with Round Bottoms	10	£20.27
E2996-0510	500µl Assay Plate, 96 Round Wells with Round Bottoms (Sterile)	10	£25.28
	Sealing Mats		
E2896-1100	Piercable, Autoclavable Silicone Sealing Mat for Plates with Round Wells	10	£31.60
E2896-1110	Piercable, Autoclavable Silicone Sealing Mat for Plates with Round Wells (Sterile)	2 x 5	£37.91
E2896-2200	Chemically Resistant, Autoclavable Silicone Sealing Mat for Plates with Round Wells	10	£50.56

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

Self-Adhesive Plate Seals

	Self-Adhesive Plate Seals							
Description:	*New!* 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 £39.14 100 Seals	E2796-9792 £41.20 100 Seals	E2796-0793 £39.14 100 Seals	E2796-9793 £41.20 100 Seals	E2796-9795 £110.00 100 Seals	E2796-0794 £32.91 100 Seals	E2796-0796 £26.12 100 Seals	E2796-3005 £69.51 100 Seals
Ordering Info: **(Sterile)**	n/a	n/a	n/a	n/a	n/a	E2796-0714 £46.74 100 Seals	n/a	E2796-3015 £40.54 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.

[1] **X-Clear Advanced Polyolefin StarSeal**

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

FREE SAMPLE TRY before you BUY available on request

Sealing Accessories

Seal Applicator

Polyethylene applicator for use with self-adhesive plate seals.

I2928-7355 £8.70 pack of 5

Sealing Brayer

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

E9127-2940 £24.80 each

STAR LAB

Heat-Sealing Plate Seals

FREE SAMPLE TRY before you BUY available on request

	Heat-Sealing Plate Seals		
Description:	Peelable Film (PCR)	Easy Pierce Film (PCR)	Optically Clear Film (qPCR)
Ordering Info:	E2796-3060 £21.45 25 Seals	E2796-3090 £21.00 25 Seals	E2796-3020 £125.07 100 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

Parafilm® Sealing Film

I3080-1075

I3080-5075

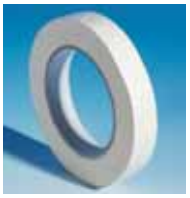
New!

Colourless and moisture-proof sealing film

A colourless and moisture-proof film that moulds to the surface. Stretch 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	£27.78
I3080-1038	Parafilm® (100 mm Wide x 38 m Long)	1 Roll	£33.53
I3080-1075	Parafilm® (100 mm Wide x 75 m Long)	1 Roll	£48.05

Autoclave Tape & Autoclave Bags



Autoclave tape

Autoclave Tape			
Cat. No.	Description	Pack Size	Price
E3300-0000	Autoclave Tape (50 m Long x 18 mm Wide)	4	£25.28
E3300-0001	Autoclave Tape (50 m Long x 25 mm Wide)	4	£28.39

Autoclave bags

- Polypropylene bags 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	£40.42
E3300-4070	Autoclave Bag, 415 x 600 mm	200	£44.24
E3300-6078	Autoclave Bag, 610 x 810 mm	200	£82.15

Cuvettes

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

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

Standard cuvettes

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

UV grade cuvettes

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

Cuvettes supplied in 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	£55.68
E1412-4160	1.6 ml Half Micro Cuvette, Transparent, Square, Polystyrene	5 x 100	£55.69
E1412-4450	4.5 ml Macro Cuvette, Square, Polystyrene	5 x 100	£58.19
E1412-4250	2.5 ml SemiMicro Cuvette, Square, UV Grade PMMA	5 x 100	£75.83
E1412-4451	4.5 ml Macro Cuvette, Transparent, Square, UV Grade PMMA	5 x 100	£75.83

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	£15.14

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	£16.00

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, 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) Ind-Wrapped	25 ml	50	£30.85
E2310-1010	StarTub Reagent Reservoir (PS), (Sterile) Ind-Wrapped	55 ml	50	£27.50
E2310-2000	StarTub Reagent Reservoir (PS)	100 ml	100	£45.31

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	£25.04
CA-40510	CAPP® Origami Reagent Reservoir	40 ml	50	£29.21

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	£14.60

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.

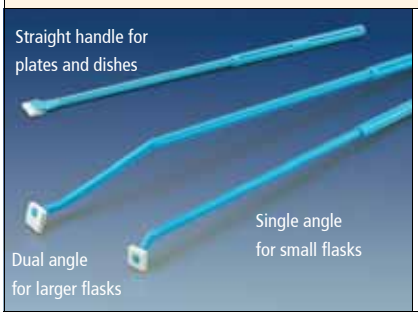
Certified RNase, DNase, DNA and PCR Inhibitor free.

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	£19.30

New!

Cell Scrapers

Cell Scrapers					
		Cat. No.	Description	Pack Size	Price
	Sterile scrapers with gentle, silicone rubber blades available in three sizes for cell harvesting in a variety of dishes, flasks, or plates. ABS polymer handle.The scrapers are supplied individually wrapped, with 25 per inner pack, 100 per case.	CC7600-0220	CytoOne® Cell Scraper, 220 mm Long, 11 mm Fixed Blade, Straight Handle, (Sterile), Ind. Wrapped	100	£132.71
		CC7600-0320	CytoOne® Cell Scraper, 320 mm Long, 12 mm Pivoting Blade, Dual Angle Handle, (Sterile), Ind. Wrapped	100	£132.71
		CC7600-0250	CytoOne® Cell Scraper, 250 mm Long, 10 mm Pivoting Blade, Single Angle Handle, (Sterile), Ind. Wrapped	100	£132.71

See pages 105 to 112 for our full range of CytoOne® products for Cell Culture

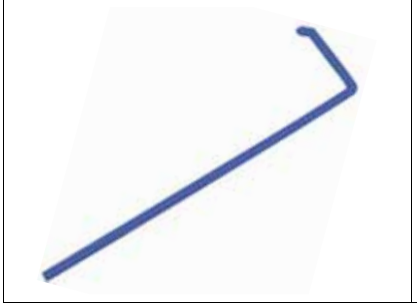
Loops

FREE SAMPLE TRY before you BUY available on request

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

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

1.0ml

3.0ml

5.0ml

EXTRA LONG PIPETTES

2.5ml

7.0ml

FINE TIP PIPETTES

1.0ml

3.0ml

Polyethylene pipettes

A range of polyethylene pipettes which are manufactured to ISO standards and are CE marked for IVD.

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

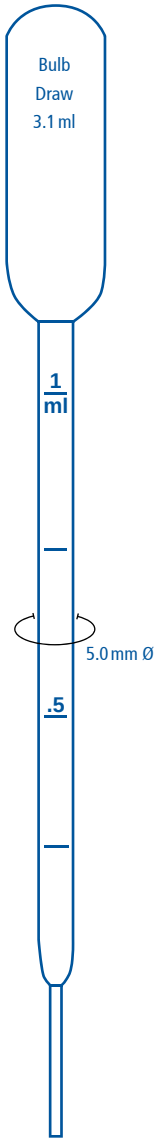
Pasteur Pipettes							
Cat. No.	Description	Graduations	Length	Bulb Draw	Stem Diam.	Pack Size	Price
Standard Pipettes							
E1414-0100	1.0 ml Graduated Pasteur Pipette	0.25 ml	154 mm	3.1 ml	5.0 mm	500	£11.33
E1414-0110	1.0 ml Graduated Pasteur Pipette (Sterile)					25 x 20	£23.97
E1414-0111	1.0 ml Graduated Pasteur Pipette (Sterile), Ind. Wrapped					500	£36.61
E1414-0300	3.0 ml Graduated Pasteur Pipette	0.5 ml	154 mm	3.2 ml	7.8 mm	500	£11.33
E1414-0310	3.0 ml Graduated Pasteur Pipette (Sterile)					25 x 20	£23.97
E1414-0311	3.0 ml Graduated Pasteur Pipette (Sterile), Ind. Wrapped					500	£36.61
E1414-0500	5.0 ml Graduated Pasteur Pipette	1.0 ml	216 mm	3.5 ml	8.0 mm	250	£20.27
XL Pipettes							
E1414-2500	2.5 ml XL Pasteur Pipette	n/a	225mm	2.3ml	5.0 mm	400	£29.09
E1414-0700	7.0 ml XL Pasteur Pipette	n/a	300 mm	7.1 ml	9.0 mm	100	£34.10
Fine Tip Pipettes							
E1414-1100	1.0 ml Micro Fine Tip Pasteur Pipette	n/a	104 mm	1.0 ml	3.0 mm	400	£49.24
E1414-1300	3.0 ml Fine Tip Pasteur Pipette	n/a	144 mm	3.3 ml	5.0 mm	500	£37.92
E1414-1310	3.0 ml Fine Tip Pasteur Pipette (Sterile)					25 x 20	£41.73
E1414-1311	3.0 ml Fine Tip Pasteur Pipette (Sterile), Ind. Wrapped					500	£101.11

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

Pasteur Pipettes

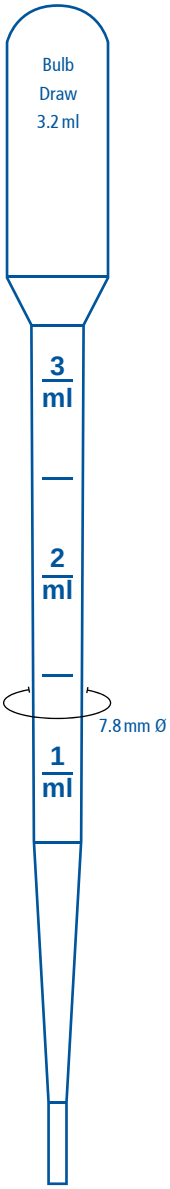
GRADUATED PIPETTES

1.0 ml



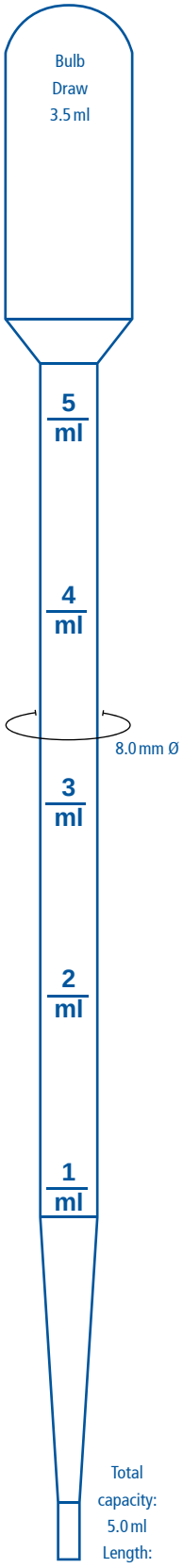
Total capacity: 5.0 ml
Length: 150 mm

3.0 ml



Total capacity: 7.0 ml
Length: 154 mm

5.0 ml

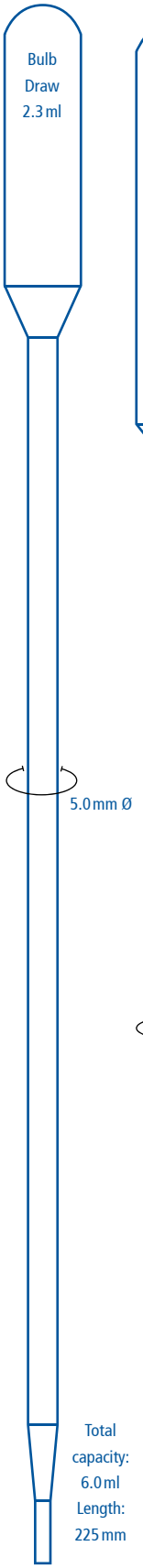


Total capacity: 5.0 ml
Length: 216 mm

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

XL PIPETTES

2.5 ml



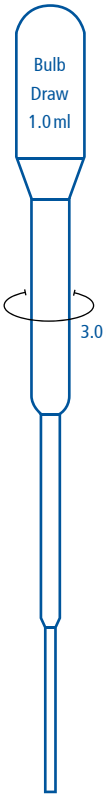
Total capacity: 6.0 ml
Length: 225 mm

7.0 ml

Total capacity: 23 ml
Length: 300 mm

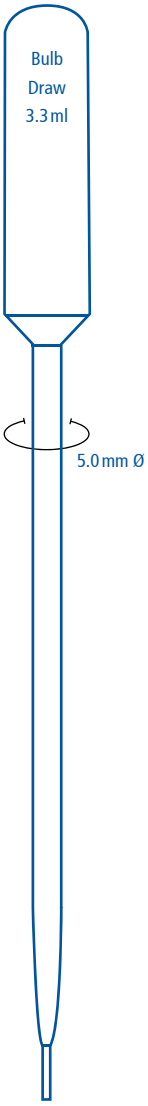
FINE TIP

1.0 ml



Total capacity: 1.5 ml
Length: 104 mm

3.0 ml



Total capacity: 5.0 ml
Length: 147 mm

FREE SAMPLE
TRY
before you
BUY
available on request

STAR LAB

Spatulas & Weighboats

Spatulas feature a scoop end and a spatula end

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

Disposable Spatulas			
Cat. No.	Description	Pack Size	Price
E1412-7200	140 mm SmartSpatula®, Anti-Static	300	£22.53
E1412-7201	140 mm EcoSpatula®	300	£34.80
E1412-7202	210 mm SmartSpatula®, Blue	300	£31.80
E1412-7203	210 mm SmartSpatula®	300	£31.80
E1412-7204	210 mm SmartSpatula® (Sterile)	100	£132.51
E1412-7205	310 mm SmartSpatula®, Green	150	£30.48

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

Anti-static weigh boats

- 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	£21.58
E3300-0070	7.0 ml Square Weigh Boat (44 x 44 mm)	4 x 250	£21.58
E3300-0030	30 ml Diamond Weigh Boat (65 x 87 mm)	2 x 250	£22.71
E3300-0010	100 ml Square Weigh Boat (80 x 80 mm)	4 x 250	£44.29
E3300-0011	100 ml Diamond Weigh Boat (126 x 100 mm)	250	£23.85
E3300-0025	250 ml Square Weigh Boat (138 x 138 mm)	4 x 250	£85.17

Cryogenic Labels

E9189-0099

StarTags CRYO

38 x 15 mm

Pre-cut labels for ultra-low temperatures.

- Temperature use: -196 °C to 100 °C
- For 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	£36.91
	Labels (38 x 15mm)		
E9189-3009	StarTag Cryo (38 x 15 mm), White	1000 / Roll	£26.52

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

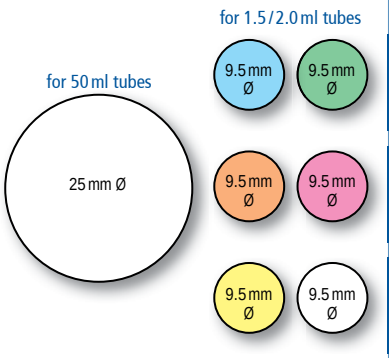
Laboratory Labels

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

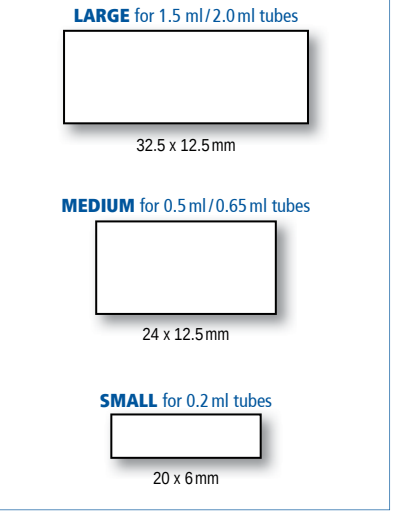
Pre-cut labels that will accept any form of marker pen and will stick permanently in most conditions. StarTags are suitable for use in the freezer, centrifuge, waterbath, thermal cycler, shaker or vortexer. Laser sheets are available in some options, allowing you print out large numbers of labels which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

Features

- Suitable for autoclaving, boiling and freezing down to -85 °C
- Sticks permanently to all forms of tubes, plates, vials and bottles
- No sticky residue left following removal



Labels shown actual size



StarTags Laboratory Labels					
Cat. No.	Description	Colour	Pack Type	Labels per Pack	Price
		Spots			
E9185-0509	25 mm diam. Spots	White	Roll	1000	£16.45
E9185-0001	9.5 mm diam. Spots	Blue	Roll	2000	£16.45
E9185-0002	9.5 mm diam. Spots	Green	Roll	2000	£16.45
E9185-0003	9.5 mm diam. Spots	Orange	Roll	2000	£16.45
E9185-0004	9.5 mm diam. Spots	Pink	Roll	2000	£16.45
E9185-0006	9.5 mm diam. Spots	Yellow	Roll	2000	£16.45
E9185-0009	9.5 mm diam. Spots	White	Roll	2000	£16.45
		Labels			
E9187-1009	Large (32.5 x 12.5 mm)	White	Roll	1000	£16.45
E9187-2016	Large (32.5 x 12.5 mm)	White	A4 Laser Sheets	1980[1]	£37.92
E9188-1009	Medium (24 x 12.5 mm)	White	Roll	1000	£16.45
E9185-2240	Medium (24 x 12.5 mm)	White	A4 Laser Sheets	2016[2]	£37.92
E9188-8699	Small (20 x 6.0 mm)	White	Roll	1000	£16.45

A4 Laser Sheets are supplied with set-up instructions for MS Word. Sheets are only suitable for use with laser printers and can not be used with bubble jet printers. Not suitable for use on low-retention / ultra high recovery tubes.
[1] 90 labels per sheet / 22 sheets per pack. [2] 126 labels per sheet / 16 sheets per pack.

Fine Point Pen		
Cat. No.	Description	Price
E9186-9987	Fine Point Pen for use with all StarTags	£2.50

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

StarTags Dispenser		
Cat. No.	Description	Price
E9199-0000	StarTags Acrylic Dispenser	£56.88

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

Laboratory ID Tape

Dispense with disorganisation!

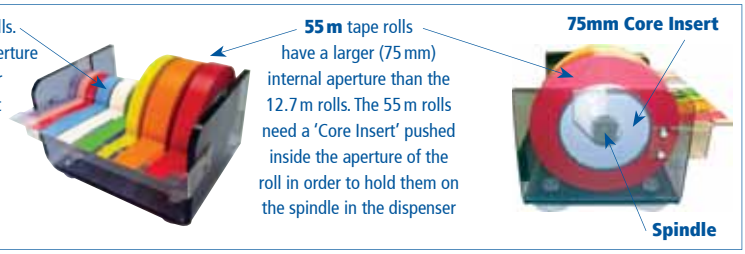
Organise and identify your samples more easily by colour-coding with STARLAB ID Tape. There's plenty to choose from with two different lengths of tape in three different widths, and all in eight different colours.

Dispenser features

- Custom-made acrylic dispenser which holds both lengths of tape
- Suction feet ensures the dispenser stays firmly on the bench, even when using one hand to dispense the tape
- Core inserts to hold the 55 m long tape in the dispenser available separately

ID Tape Dispenser		
Cat. No.	Description	Price
E9026-0000	ID Tape Dispenser (Pack comprises 1 Dispenser & 5 Core Inserts)	£56.88
E9026-2005	Core Inserts, Pack of 5 (To hold the 55m long ID Tapes in the Dispenser)	£10.14

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



ID Tape features

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

		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 £3.82	E9127-1272 £3.82	E9127-1273 £3.82	E9127-1274 £3.82	E9127-1275 £3.82	E9127-1276 £3.82	E9127-1270 £3.82	E9127-1279 £3.82	E9127-1278 £28.85
	19.0 mm	E9127-1911 £5.25	E9127-1912 £5.25	E9127-1913 £5.25	E9127-1914 £5.25	E9127-1915 £5.25	E9127-1916 £5.25	E9127-1910 £5.25	E9127-1919 £5.25	E9127-1918 £39.23
	25.4 mm	E9127-2501 £6.68	E9127-2502 £6.68	E9127-2503 £6.68	E9127-2504 £6.68	E9127-2505 £6.68	E9127-2506 £6.68	E9127-2500 £6.68	E9127-2509 £6.68	E9127-2508 £51.87
55 m*	**12.7 mm**	E9055-1271 £9.90	E9055-1272 £9.90	E9055-1273 £9.90	E9055-1274 £9.90	E9055-1275 £9.90	E9055-1276 £9.90	E9055-1270 £9.90	E9055-1279 £9.90	E9055-1278 £75.83
	19.0 mm	E9055-1911 £13.95	E9055-1912 £13.95	E9055-1913 £13.95	E9055-1914 £13.95	E9055-1915 £13.95	E9055-1916 £13.95	E9055-1910 £13.95	E9055-1919 £13.95	E9055-1918 £103.62
	25.4 mm	E9055-2501 £16.34	E9055-2502 £16.34	E9055-2503 £16.34	E9055-2504 £16.34	E9055-2505 £16.34	E9055-2506 £16.34	E9055-2500 £16.34	E9055-2509 £16.34	E9055-2508 £125.55

*55 m long tape requires a core insert for use in the STARLAB dispenser

Mixed packs contain one roll of each colour.

BMP™21-LAB Printer & Label Cartridges

New!

Tough, portable printing for the laboratory environment

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

Features

- Label materials for laboratory applications such as cryogenic vials and slides
- Greek symbols commonly used in the laboratory
- Barcoding
- Automated label function cuts the 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 batteries

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

BMP™21 Label Printer		
Cat. No.	Description	Price
N3000-2000	Brady® BMP™21-LAB Label Printer	£128.75
N3000-2001	AC Adaptor (optional)	£43.52

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

BMP™21-Lab Label Cartridges						Label Applications										
Cat. No.	Description	Colour	Width	Length	Price	Freezer (-40 °C)	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	
N3795-439#*	B-595 Vinyl	Various*	9.5 mm	6.4 m	£20.27	✓							0.5 ml		✓	
N3795-4399	B-595 Vinyl	White	9.5 mm	6.4 m	£20.27	✓							0.5 ml		✓	
N3795-4619	B-461 Polyester[1]	White	9.5 mm	6.4 m	£27.78	✓	✓	✓	✓	✓	✓		0.5 ml		✓	
N5127-4619	B-461 Polyester[1]	White	12.7 mm	6.4 m	£23.97	✓	✓	✓	✓	✓	✓		1.5 ml		✓	
N7519-4619	B-461 Polyester[1]	White	19.1 mm	6.4 m	£32.93	✓	✓	✓	✓	✓	✓	✓	2.0 – 50 ml		✓	*New!*
N3795-4889	B-488 Polyester	White	9.5 mm	6.4 m	£22.71	✓	✓		✓				0.5 ml	✓	✓	*New!*
N5127-4889	B-488 Polyester	White	12.7 mm	6.4 m	£26.69	✓	✓		✓				1.5 ml	✓	✓	*New!*
N7519-4889	B-488 Polyester	White	19.1 mm	6.4 m	£26.59	✓	✓		✓			✓	2.0 – 50 ml	✓	✓	
N3795-4999	B-499 Nylon[1]	White	9.5 mm	4.8 m	£26.27	✓	✓	✓	✓				0.5 ml	✓	✓	*New!*
N5127-4999	B-499 Nylon[1]	White	12.7 mm	4.8 m	£27.82	✓	✓	✓	✓				1.5 ml	✓	✓	*New!*
N7519-4999	B-499 Nylon[1]	White	19.1 mm	4.8 m	£28.38	✓	✓	✓	✓			✓	2.0 – 50 ml	✓	✓	
N3795-7425	B-7425 Polypropylene[1]	White	9.5 mm	6.4 m	£32.45	✓	✓	✓	✓	✓			0.5 ml	✓	✓	*New!*
N5127-7425	B-7425 Polypropylene[1]	White	12.7 mm	6.4 m	£36.57	✓	✓	✓	✓	✓			1.5 ml	✓	✓	*New!*
N7519-7425	B-7425 Polypropylene[1]	White	19.1 mm	6.4 m	£40.69	✓	✓	✓	✓	✓		✓	2.0 – 50 ml	✓	✓	*New!*

*To order colour required, replace # as last digit of Cat. No. with: 1 for blue, 2 for green, 3 for orange, 4 for red, 6 for yellow.

[1]Acceptable for use in liquid nitrogen only if the ends of the label overlap. See page 104 for label material specifications.

All cartridges listed above are also suitable for use with Brady Printers: **LabPal™, BMP™21, BMP™21-PLUS.**

Brady Label Material Specifications

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

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

Label Cartridges for LabXpert™ Printer

Label cartridges for LabXpert™ printer

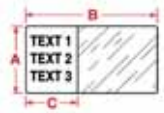
LabXpert™ Label Cartridges									
Label Style	Cat. No.	Label Material	Label Type	Colour	Labels per Cartridge	Label Dimensions (mm) A	B	C	Price
1	N0108-4619	B-461 Polyester[1]	Long Tail	White	500	4.75	38.10	17.78	£37.00
1	N0072-4619	B-461 Polyester[1]	Long Tail	White	225	12.70	44.45	19.05	£47.50
1	N0074-4619	B-461 Polyester[1]	Long Tail	White	175	12.70	55.88	19.05	£42.00
1	N0086-4619	B-461 Polyester[1]	Long Tail	White	150	15.24	66.68	25.40	£41.40
2	N0118-4999	B-499 Nylon	Free Standing	White	350	25.40	9.53	9.53	£40.00
2	N0117-4999	B-499 Nylon	Free Standing	White	300	25.40	12.70	11.18	£48.50
3	N0082-4999	B-499 Nylon	Free Standing	White	300	9.53			£33.00
3	N0082-4993	B-499 Nylon	Free Standing	Orange	300	9.53			£40.70
3	N0082-4996	B-499 Nylon	Free Standing	Yellow	300	9.53			£40.00
4	N0119-4619	B-461 Polyester[1]	Long/Short Tail	White	100	38.10	95.25	31.75	£37.00
4	N0081-4889	B-461 Polyester[1]	Free Standing	White	200	48.26	6.35		£37.56
5	N0097-4889	B-461 Polyester[1]	Free Standing	White	400	22.86	22.86		£59.40

For Use With							
0.2 ml Tubes	0.5 / 0.65 ml Tubes	1.5/2.0 ml Tubes	1–8.0 ml Tubes	15 ml Tubes	50 ml Tubes	Plates	Slides
✓							
	✓						
		✓	✓				
		✓	✓				
	✓	✓	✓				
		✓	✓				
		✓					
		✓					
		✓					
				✓	✓		
						✓	
							✓

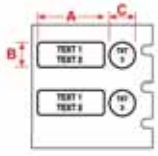
B-461: Label must overlap for use in liquid nitrogen.

[1] Long Tail for 15ml Tubes / Short Tail for 50ml Tubes

LABEL STYLE 1

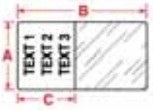


LABEL STYLE 2

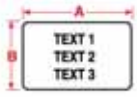


LABEL STYLE 3

LABEL STYLE 4



LABEL STYLE 5



Label cartridges for LabPal™, BMP™21 and BMP™21-PLUS printers:

See labels / ordering table on page 103.

CELL CULTURE

Your cells deserve the best!

We offer excellent growth conditions for your cells
and convenient user features for easy, contamination-free work.

CELL CULTURE
CytoOne® Overview 106

CELL CULTURE DISHES
CytoOne® Dishes 107

CELL CULTURE PLATES
CytoOne® Multi-Well Plates Overview 108
CytoOne® Multi-Well Plates 109

CELL CULTURE FLASKS
CytoOne® Flasks with
Two-Position Plug Seal Caps 110
CytoOne® Flasks with
Vented Filter Caps 111

CELL CULTURE SCRAPERS
CytoOne® Cell Scrapers 112

CytoOne® Overview

New!

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.

STARLAB quality

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

CytoOne

CytoOne® testing and quality assurance

CytoOne® flasks, dishes and plates are gamma sterilised and certified to be free of detectable RNase, DNase, DNA and pyrogens. CytoOne® is produced in a clean room environment.

CytoOne® products are put though stringent testing:

- Culture tests are performed to assure proper cell attachment and growth
- Every flask is pressure tested to assure that there are no leaks
- 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®.

FREE SAMPLE TRY before you BUY available on request

CytoOne® Dishes

New!

Secure handling

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

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, TC-Treated	30 x 10	£85.17
CC7682-3359	60 x 15 mm CytoOne® Dish, TC-Treated	30 x 10	£90.85
CC7682-3394	100 x 20 mm CytoOne® Dish, TC-Treated	30 x 10	£136.27
CC7682-3614	150 x 20 mm CytoOne® Dish, TC-Treated	12 x 5	£90.85
	Non-Treated Dishes		
CC7672-3340	35 x 10 mm CytoOne® Dish, Non-Treated	30 x 10	£79.49
CC7672-3359	60 x 15 mm CytoOne® Dish, Non-Treated	30 x 10	£85.17
CC7672-3394	100 x 20 mm CytoOne® Dish, Non-Treated	30 x 10	£124.91
CC7672-3614	150 x 20 mm CytoOne® Dish, Non-Treated	12 x 5	£85.17

Specifications			
Outer Diameter x Height	Growth Area	Inner Diameter	Working Volume
35 x 10 mm	9.6 cm²	35 mm	2.0 ml
60 x 15 mm	21 cm²	52 mm	5.0 ml
100 x 20 mm	55 cm²	85 mm	10 ml
150 x 20 mm	149 cm²	138 mm	30 ml

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

Bevelled base on the 35 mm and 60 mm dishes makes it easier to manipulate stacks of small dishes

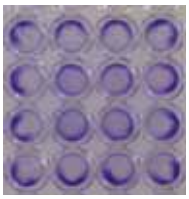
CytoOne® Multi-Well Plates

CytoOne® plates have vented skirts with ridged gripping areas for easier handling

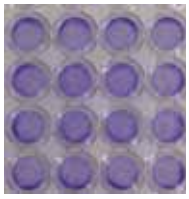
Minimising the 'edge effect' with CytoOne® 96-well plates

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, resulting in a more uniform cell layer.

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

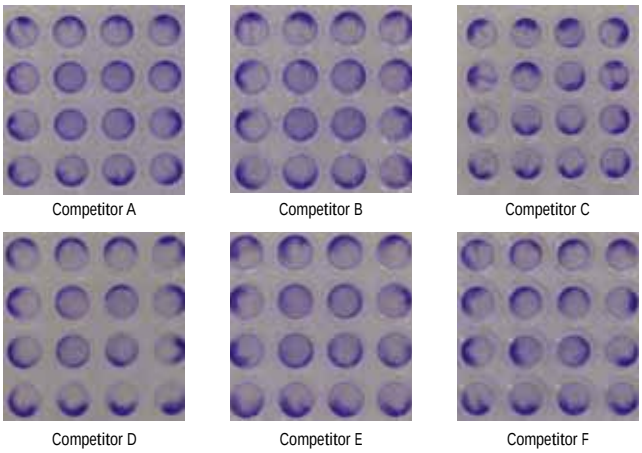


Cell growth in a CytoOne® plate with the channels filled with DMEM medium shows a marked reduction in 'edge effect'



'Edge effect' with other brands

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



Competitor A | Competitor B | Competitor C

Competitor D | Competitor E | Competitor F

NIH3T3 cells stained with Crystal-Violet after 24 hours at 37°C, 5% CO_2. Initial seeding 0.01 x 10^6 cells per well.

CytoOne®

New!

Premium plates

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

CytoOne® plates are manufactured from crystal clear premium grade, non-toxic virgin polystyrene and are supplied individually wrapped with the lot number on the packaging.

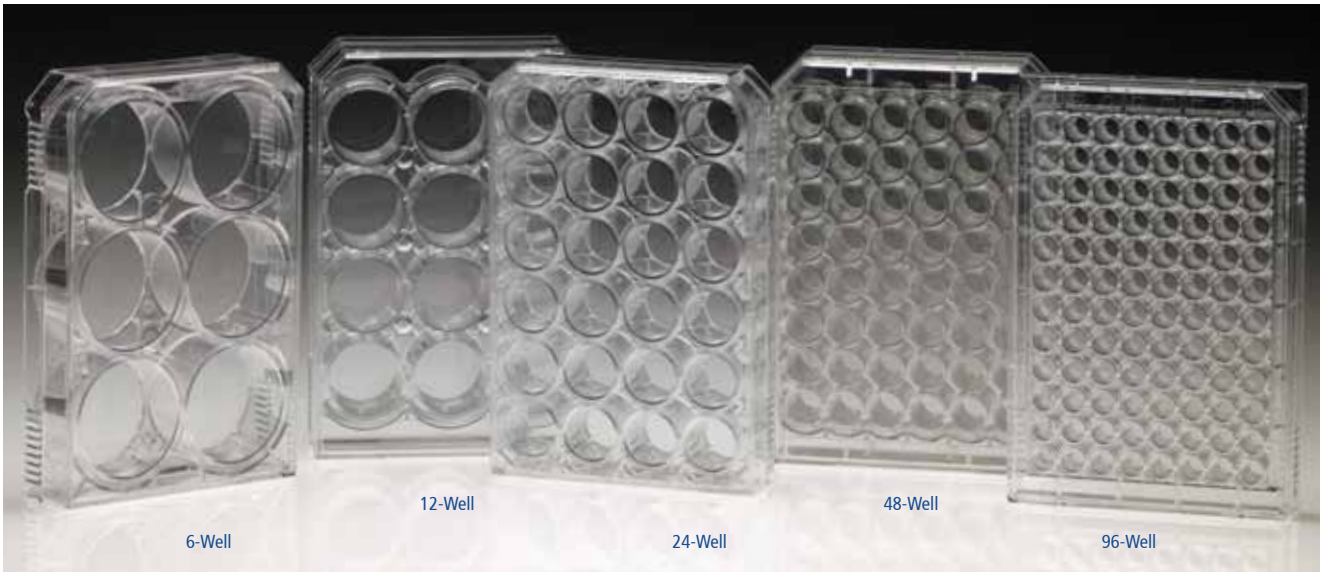
Features

- 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
- Optical clarity provides distortion-free microscopy
- Moulded alpha-numeric matrix
- Certified RNase, DNase, DNA and pyrogen free
- Gamma sterilised and individually wrapped

FREE SAMPLE TRY before you BUY available on request

CytoOne® Multi-Well Plates

New!



Tissue culture 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® Multi-Well 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

Chimney wells! Every well has 360° clearance to prevent cross contamination and provide uniform temperature transfer across all wells

Specifications			
Wells	Growth Area per Well	Working Volume	Well Diameter
6	9.4 cm²	2.0 ml	3.46 cm
12	3.8 cm²	1.5 ml	2.21 cm
24	1.9 cm²	1.0 ml	1.55 cm
48	0.76 cm²	0.5 ml	0.98 cm
96	0.32 cm²	0.2 ml	0.64 cm

CytoOne® Flasks with 2-Position Plug Seal Caps

New!

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 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, Plug Seal Cap, TC-Treated	Green	30 x 10	£204.40
CC7682-4175	T-75 CytoOne® Flask, Plug Seal Cap, TC-Treated	Green	20 x 5	£136.27
CC7682-4415	T-150 CytoOne® Flask, Plug Seal Cap, TC-Treated	Green	8 x 5	£124.91
CC7682-4225	T-225 CytoOne® Flask, Plug Seal Cap, TC-Treated	Green	5 x 5	£113.56
	Non-Treated Flasks			
CC7672-4325	T-25 CytoOne® Flask, Plug Seal Cap, Non-Treated	White	30 x 10	£158.98
CC7672-4175	T-75 CytoOne® Flask, Plug Seal Cap, Non-Treated	White	20 x 4	£124.91
CC7672-4415	T-150 CytoOne® Flask, Plug Seal Cap, Non-Treated	White	8 x 5	£109.41
CC7672-4225	T-225 CytoOne® Flask, Plug Seal Cap, 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 with white caps

CytoOne® Flasks with Vented Filter Caps

New!

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

Leak-free assurance

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

Features

- All flasks 100% pressure tested for leak-free assurance
- Stacking rims with vented design for thermal equalisation
- Anti-tilt skirts and base bars improve stability
- Wide necks provide easy access while minimising contamination
- Optical clarity provides distortion-free microscopy
- Convenient T150 size for easier sub-culturing and upscaling
- Easy open, resealable zip-top bags protect unused flasks
- Certified RNase, DNase, DNA and pyrogen free
- Gamma sterilised

CytoOne® Flasks with Vented Filter Caps				
Cat. No.	Description	Cap Colour	Pack Size	Price
Tissue Culture Treated Flasks				
CC7682-4825	T-25 CytoOne® Flask, Vented Filter Cap, TC-Treated	Green	30 x 10	£261.18
CC7682-4875	T-75 CytoOne® Flask, Vented Filter Cap, TC-Treated	Green	20 x 5	£181.69
CC7682-4815	T-150 CytoOne® Flask, Vented Filter Cap, TC-Treated	Green	8 x 5	£147.62
CC7682-4822	T-225 CytoOne® Flask, Vented Filter Cap, TC-Treated	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 cm²	Canted	5.0 ml	70 ml	75 ml
T-75	75 cm²	Canted	20 ml	279 ml	290 ml
T-150	150 cm²	Canted	30 ml	591 ml	603 ml
T-225	225 cm²	Angled	60 ml	1006 ml	1024 ml

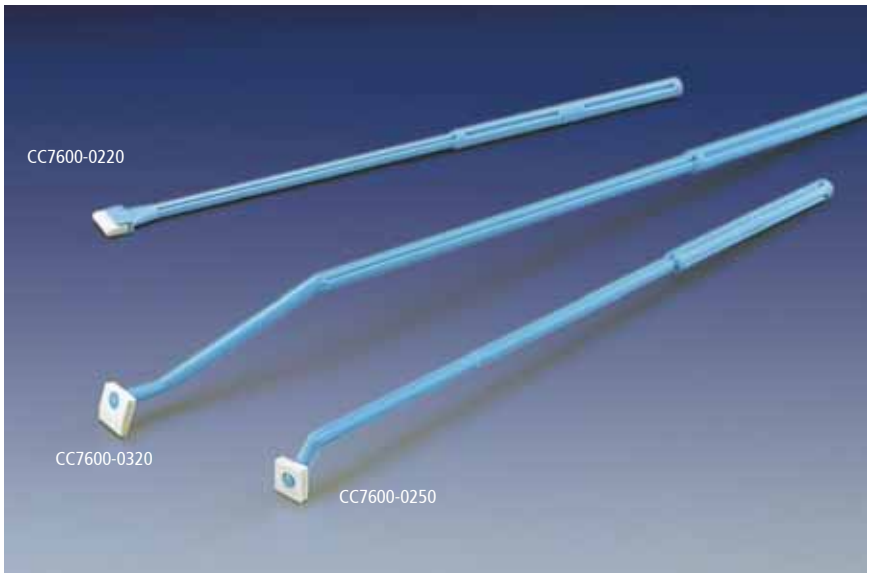
All flasks supplied in easy-open, resealable zip-top bags

CytoOne®

FREE SAMPLE TRY before you BUY available on request

STAR LAB

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

Features

- Silicone blade gently raises/lifts the cells from the surface so fewer cells are destroyed
- Soft silicone ensures better contact between the blade and the surface of the flask, dish or plate
- Pivoting blades pivot the full 360° around the handle for easy access to flask corners
- Flexible ABS handles for easy handling inside flasks
- Individually wrapped and in convenient inner packs of 25
- Gamma sterilised

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

CytoOne®

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

SAMPLE STORAGE

A safe place for your samples!

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

STORAGE BOXES AND RACKS

Cardboard Storage Boxes 114–115
Polypropylene Storage Boxes 116–118
Cryogenic Storage Boxes & Racks 119–120
Storage Racks 121–122
Multi-Tube Racks 123–125
PCR Sample Racks 125–126

BENCHTOP COOLERS

Chiller Racks 127
Cooler Containers 127
Transport Cases & Coolers 128
Ice Bath / Floating Rack 128

STAINLESS STEEL STORAGE 129

FREEZER RACKING

Freezer Racking for Upright Freezers 130–133
Freezer Racking for Chest Freezers 134–135
Custom Made Freezer Racking 135

SLIDE STORAGE & STAINING

Slide Storage Cabinets 136
Slide Storage Trays 136–137
Slide Storage Boxes 137
Slide Staining 138
Slide Mailers 138

Cardboard Storage Boxes

A range of cardboard storage boxes with a standard 133 x 133 mm footprint, available in four heights. Moisture-resistant coating makes the boxes a durable yet economical storage solution. Water-based glue contains no toxic substances. Available in a range of colours to help with colour-coding your samples. For use down to -80 ºC.

32 mm High Cardboard Storage Boxes (133x133)

Description	Box Colour	Cat. No.*	Pack Size	Price
32 mm high Cardboard Box (no dividers)	White	A9632-0000	6	£14.55
32 mm high Cardboard Box (no dividers)	Blue, Green, Red or Yellow*	A9632-000#	6	£15.90

32 mm High Cardboard Storage Boxes (133x133) with Dividers

Description	Box Colour	Cat. No.*	Pack Size	Price
196-place white 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, Green, Red or Yellow*	A9632-196#	6	£22.14
256-place white 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, Green, Red or Yellow*	A9632-256#	6	£22.14

*To order box colour required, replace last digit of Cat. No. with: 1 for Blue, 2 for Green, 4 for Red, 6 for Yellow.
Dimensions (WxDxH): 133 x 133 x 35 mm (with lid). Max. tube diam. stated includes tube's cap.

50 mm High Cardboard Storage Boxes (133x133)

Description	Box Colour	Cat. No.*	Pack Size	Price
50 mm high Cardboard Box (no dividers)	White	A9623-0000	6	£14.55
50 mm high Cardboard Box (no dividers)	Blue, Green, Red or Yellow*	A9623-000#	6	£15.90

50 mm High Cardboard Storage Boxes (133x133) with Dividers

Description	Box Colour	Cat. No.*	Pack Size	Price
16-place cardboard storage boxes with removable 4x4 dividers for tubes up to 31 mm diameter.	White	A9623-1616	6	£21.46
	Blue, Green, Red or Yellow*	A9623-160#	6	£22.71
25-place cardboard storage boxes 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, Green, Red or Yellow*	A9623-250#	6	£22.71
49-place cardboard storage boxes 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, Green, Red or Yellow*	A9623-490#	6	£22.71
81-place white cardboard storage box with removable 9x9 dividers for tubes up to 13 mm diameter, eg. 1.5 / 2.0ml microcentrifuge tubes, screw cap microtubes, 1.2 /2.0 ml cryogenic vials with internal thread.	White	A9623-8181	6	£21.46
	Blue, Green, Red or Yellow*	A9623-810#	6	£22.71
100-place white 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, Green, Red or Yellow*	A9623-310#	6	£22.71

*To order box colour required, replace last digit of Cat. No. with: 1 for Blue, 2 for Green, 4 for Red, 6 for Yellow.
Dimensions (WxDxH): 133 x 133 x 53 mm (with lid). Max. tube diam. stated includes tube's cap.

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

The 50 mm high boxes can be used in the freezer racking on pages 130–131 and 134

Cardboard Storage Boxes

75 mm High Cardboard Storage Boxes (133x133)				
Description	Box Colour	Cat. No.*	Pack Size	Price
75 mm high Cardboard Box (no dividers)	White	A9625-0000	6	£15.26
75 mm high Cardboard Box (no dividers)	Blue, Green, Red or Yellow*	A9625-000#	6	£17.03

75 mm High Cardboard Storage Boxes (133x133) with Dividers				
Description	Box Colour	Cat. No.	Pack Size	Price
16-place cardboard storage boxes with removable 4x4 dividers for tubes up to 31 mm diameter.	White	A9625-1616	6	£27.78
	Blue, Green, Red or Yellow*	A9625-160#	6	£28.96
25-place cardboard storage boxes with removable 5x5 dividers for tubes up to 24.5 mm diameter.	White	A9625-2525	6	£27.78
	Blue, Green, Red or Yellow*	A9625-250#	6	£28.96
49-place cardboard storage boxes with removable 7x7 dividers for tubes up to 16.5 mm diameter, eg. 3.0 / 4.0ml cryogenic vials and 12x75 tubes.	White	A9625-4949	6	£27.78
	Blue, Green, Red or Yellow*	A9625-490#	6	£28.96
81-place white cardboard storage box with removable 9x9 dividers for tubes up to 13mm diameter, eg. 3.0 / 4.0ml cryogenic vials with internal thread and 12x75 tubes.	White	A9625-8181	6	£27.78
	Blue, Green, Red or Yellow*	A9625-810#	6	£28.96
100-place white cardboard storage box with removable 10x10 dividers for tubes up to 12 mm diameter.	White	A9625-3100	6	£27.78
	Blue, Green, Red or Yellow*	A9625-310#	6	£28.96

*To order box colour required, replace last digit of Cat. No. with: 1 for Blue, 2 for Green, 4 for Red, 6 for Yellow.
Dimensions (WxDxH): 133 x 133 x 78 mm (with lid). Max tube diam. stated includes tube's cap.

100 mm High Cardboard Storage Boxes (133x133)				
Description	Box Colour	Cat. No.*	Pack Size	Price
100 mm high Cardboard Box (no dividers)	White	A9627-0000	6	£23.37
100 mm high Cardboard Box (no dividers)	Blue, Green, Red or Yellow*	A9627-000#	6	£26.12

100 mm High Cardboard Storage Boxes (133x133) with Dividers				
Description	Box Colour	Cat. No.	Pack Size	Price
16-place cardboard storage boxes with removable 4x4 dividers for tubes up to 31mm diameter, eg 30 ml universal containers.	White	A9627-1616	6	£36.72
	Blue, Green, Red or Yellow*	A9627-160#	6	£39.18
25-place cardboard storage boxes 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, Green, Red or Yellow*	A9627-250#	6	£39.18
49-place cardboard storage boxes 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, Green, Red or Yellow*	A9627-490#	6	£39.18
81-place white 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, Green, Red or Yellow*	A9627-810#	6	£39.18
100-place white cardboard storage box with removable 10x10 dividers for tubes up to 12 mm diameter.	White	A9627-3100	6	£36.72
	Blue, Green, Red or Yellow*	A9627-310#	6	£39.18

*To order box colour required, replace last digit of Cat. No. with: 1 for Blue, 2 for Green, 4 for Red, 6 for Yellow.
Dimensions (WxDxH): 133 x 133 x 103mm (with lid). Max. tube diam. stated includes tube's cap.

50 mm high cardboard storage boxes (136x136) with or without dividers

The slightly larger footprint of these boxes gives more space for the lids of micro-centrifuge tubes, thus allowing the full 100 tubes to fit in the box. Boxes are 50 mm high and supplied with or without 10x10 removable dividers for tubes up to 12.25 mm diameter.

Box only (no dividers)			
Box Colour	Cat. No.*	Pack Size	Price
White	A9650-0000	6	£14.76
Blue, Green, Red or Yellow*	A9650-000#	6	£16.13

Box with 100-Place Dividers			
Box Colour	Cat. No.*	Pack Size	Price
White	A9650-1369	6	£21.58
Blue, Green, Red or Yellow*	A9650-136#	6	£23.85

*To order box colour required, replace last digit of Cat. No. with: 1 for Blue, 2 for Green, 4 for Red, 6 for Yellow.
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 130–131 and 134.

Cardboard storage boxes 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.

Box with Dividers			
Box Type	Cat. No.	Pack Size	Price
36-Place for 15ml Tubes	I9023-1615	1	£8.11
16-Place for 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 130 mm range for freezer storage

The range of StarStore storage boxes below all have the same, standard 130mm 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 ºC to 121 ºC. Autoclavable.

130 x 130mm Range of Storage Boxes

	Description	Colour	Cat. No.	Pack Size	Price
StarStore 81 can also be used with the optional acetate grid that sits under the lid	**StarStore 81** polypropylene storage box. 81 fixed 13 mm x 13 mm dividers. Use with 1.5 / 2.0 ml microcentrifuge tubes or screw cap microtubes. Transparent lift-off lid with frosted writing panel on side. Vent holes in base to aid draining and lid removal. Printed reference grid on base, or use the optional acetate grid that sits under the lid. 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
	81-place acetate grid for use with StarStore 81.	n/a	I 2381-1025	25	£18.96
	StarStore 49 polypropylene storage box. Fixed 16 mm x 16 mm dividers for the storage of 49 tubes up to 16 mm diam. 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
	49-place acetate grid for use with StarStore 49.	n/a	I 2349-1025	25	£18.96
	StarStore polypropylene storage box. No dividers to enable 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

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

The 130 x 130 mm storage boxes can be used in the freezer racking on pages 130–131 and 134

Long, polypropylene storage box. Temperature use: -90 ºC to 121 ºC. Autoclavable.

100-Place Long Storage Boxes

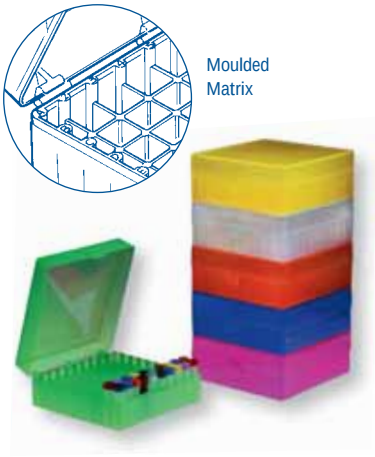
	Description	Colour	Cat. No.	Pack Size	Price
	100-place long polypropylene storage box. Fixed 13 mm x 13 mm dividers. Holds 1.5 / 2.0 ml microcentrifuge tubes or screw cap microtubes. Lift-off lid with moulded matrix. Dimensions (WxDxH): 76 x 287 x 36 mm. Max. tube height: 50 mm.	Natural	E2100-1100	5	£22.14
		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 to completely block out light for light-sensitive samples.

Polypropylene Storage Boxes

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

StarStore 100-Place Storage Box

	Description	Colour	Cat. No.	Pack Size	Price
	**StarStore 100** polypropylene storage box. Our most popular storage box! 100 fixed 13 x 13 mm dividers. Use for 1.5 / 2.0 ml microcentrifuge tubes or screw cap microtubes. Moulded reference grid inside (A–J, 1–10). Hinged, lockable lid with positioning lugs for stable stacking. Dimensions (WxDxH): 140 x 155 x 55 mm.	Natural	I 2310-5800	5	£24.00
		Neon Blue	I 2310-5841	5	£25.28
		Neon Green	I 2310-5842	5	£25.28
		Neon Orange	I 2310-5843	5	£25.28
		Neon Pink	I 2310-5844	5	£25.28
		Neon Yellow	I 2310-5846	5	£25.28
		Mixed Neon*	I 2310-5848	5	£24.50

StarStore 100 boxes can be used with the stainless steel freezer racking on pages 131 and 135

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

50-Place Storage Boxes

	Description	Colour	Cat. No.	Pack Size	Price
	StarStore 50 Neon, Hinged polypropylene storage box. Smaller version of the StarStore 100 (see above). Fixed 13 x 13 mm dividers for the storage of 50 x 1.5 / 2.0 ml microcentrifuge tubes. Moulded reference grid inside (A–J, 1–5). Hinged, lockable lid with positioning lugs for stable stacking. Dimensions (WxDxH): 140 x 80 x 55 mm.	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
	StarStore 50 (Stackable) polypropylene storage box. Fixed 13 x 13mm dividers for the storage of 50 x 1.5 / 2.0 ml microcentrifuge tubes. Lift-off lid with positioning lugs for stable stacking. Dimensions (WxDxH): 144 x 75 x 35 mm. Max. tube height: 45 mm.	Natural	E2450-5000	5	£37.92
		Blue	E2450-5001	5	£37.92
		Green	E2450-5002	5	£37.92
		Pink	E2450-5004	5	£37.92
		Yellow	E2450-5006	5	£37.92
		Mixed**	E2450-5099	5	£37.92
	StarStore 50 polypropylene storage box. Fixed 13 x 13 mm dividers for the storage of 50 x 1.5 / 2.0 ml microcentrifuge tubes. Transparent, lift-off lid. Dimensions (WxDxH): 146 x 76 x 38 mm.	Natural	E2350-5009	5	£18.36
	StarStore 50 Jr, small polypropylene storage box. Fixed 10 x 10mm dividers for the storage of 50 x 0.5ml microcentrifuge tubes. Lift-off lid with moulded matrix (A–E 1–10). Dimensions (WxDxH): 121 x 62 x 37 mm. Max. tube height: 60 mm.	Natural	E2305-6009	5	£17.65

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

Polypropylene Storage Boxes

The high-profile storage boxes below are suitable for use with screw cap microtubes (see pages 72–73) and other taller tubes up to 53 mm high. Polypropylene provides high chemical resistance. Temperature use: -90 ºC to 121 ºC. Autoclavable.

High-Profile Storage Boxes					
	Description	Colour	Cat. No.	Pack Size	Price
	200-place polypropylene storage box, ideal for storing taller tubes (eg. screw cap microtubes) up to 53 mm high. A black box to completely block out light for light-sensitive samples is available. Fixed 12.5 x 12.5 mm dividers. Moulded reference grid inside (A–J, 1–20). Hinged lid with positioning lugs for stable stacking. Dimensions (WxDxH): 275 x 155 x 64 mm.	Natural	E2200-1000	5	£73.81
		Black	E2200-1008	5	£73.81
	100-place two-tone polypropylene storage box, ideal for storing taller tubes (eg. screw cap microtubes) up to 53 mm high. Fixed 12.5 x 12.5 mm dividers. Moulded reference grid inside (A–J, 1–10). Hinged lid with positioning lugs for stable stacking. Dimensions (WxDxH): 140 x 155 x 64 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

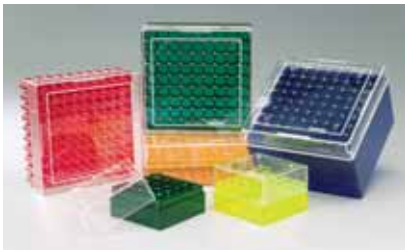
Tubes not included.

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

Centrifuge Tube Storage Boxes					
	Description	Rack Colour	Cat. No.	Pack Size	Price
	Centrifuge tube storage / transport boxes Green box holds 36 x 15 ml tubes. Blue box holds 16 x 50 ml tubes. Clear lift-off lid. Highly visible, white printed matrix on base. Base can be removed for use in the water bath. For use in temperatures -90 ºC to 121 ºC. Autoclavable. Dimensions (WxDxH): 145 x 145 x 127 mm.	Green (for 15 ml)	E9025-3615	2	£22.00
		Blue (for 50 ml)	E9025-1650	2	£22.00

Tubes not included.

Cryogenic Storage Boxes

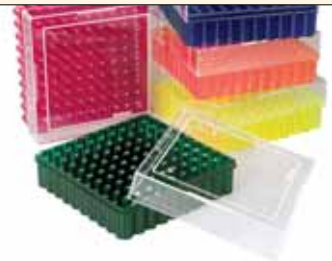


Coloured cryogenic storage boxes

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 ºC to 121 ºC. Autoclavable.

Coloured Polycarbonate Storage Boxes

	Description	Base Colour	Cat. No.	Pack Size	Price
	25-place polycarbonate storage box. Coloured base with crystal-clear, lift-off lid. Fixed 13 x 13 mm grid dividers. 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 polycarbonate storage box. Coloured base with crystal-clear, lift-off lid. Fixed 13 x 13 mm grid dividers. Printed matrix on grid dividers. Dimensions (WxDxH): 133 x 133 x 54 mm. Max. tube height: 49 mm.	Blue	E2382-5001	5	£37.92
		Green	E2382-5002	5	£37.92
		Orange	E2382-5003	5	£37.92
		Red	E2382-5004	5	£37.92
		Yellow	E2382-5006	5	£37.92
		Mixed*	E2382-5099	5	£37.92
	81-place, tall polycarbonate storage box. Coloured base with crystal-clear, lift-off lid. Fixed 13 x 13 mm grid dividers. 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** polycarbonate storage box. Coloured base with crystal-clear, lift-off lid. Fixed, 13 x 13 mm pronged dividers. Printed matrix on pronged dividers. Dimensions (WxDxH): 133 x 133 x 54 mm. Max. tube height: 49 mm.	Blue	E2383-5001	5	£44.24
		Green	E2383-5002	5	£44.24
		Orange	E2383-5003	5	£44.24
		Red	E2383-5004	5	£44.24
		Yellow	E2383-5006	5	£44.24
		Mixed*	E2383-5099	5	£44.24

*Contains one of each colour.

Cryogenic storage boxes above can be used with the freezer racking on pages 130–131 and pages 134–135

Cryogenic Storage Boxes & Racks

Zylar resin box for ultra-low temperature storage. Temperature use: -196ºC to 121ºC. Autoclavable.

Zylar Resin Storage Box					
	Description	Colour	Cat. No.	Pack Size	Price
	StarStore 81Z zylar resin storage box. Fixed 13 mm x 13 mm dividers. Transparent lift-off lid with frosted writing panels on sides. Vent strips in base for safety and to aid lid removal. Optional removable acetate grid that sits under the lid. Dimensions (WxDxH): 130 x 130 x 45 mm	Natural	E2301-5309	5	£64.27
	81-place acetate grid for use with StarStore 81Z	n/a	I 2381-1025	25	£18.96

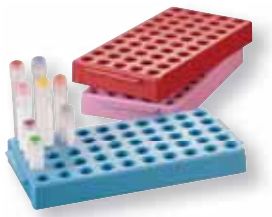
Image shows box with optional acetate grid. The boxes can be used in the freezer racking on pages 130–131 and page 134.

Polycarbonate boxes for ultra-low temperature storage. Temperature use: -196ºC to 121ºC. Autoclavable.

White Polycarbonate Storage Boxes					
	Description	Type	Cat. No.	Pack Size	Price
	Cryogenic storage boxes 81-place box has grid dividers. 100-place box has pronged dividers. White polycarbonate base with transparent, keyed (one-way) lift-off lid with printed reference grid. Drain holes on base for venting and safety. Dimensions (WxDxH): 130 x 130 x 55 mm.	81-place	I 2381-2305	5	£36.83
		100-place	I 2510-5005	5	£36.83

The boxes can be used in the freezer racking on pages 130–131 and page 134.

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

Polypropylene Cryogenic Lock Racks					
	Description	Colour	Cat. No.	Pack Size	Price
	**Cryogenic lock rack** 50-place polypropylene rack for skirted cryogenic vials. The vials lock into the rack for easy one-handed cap removal. Autoclavable. Anti-skid rubber feet for stability on the bench. Dimensions (WxDxH): 200 x 100 x 25 mm.	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	Rack Colour	Cat. No.	Pack Size	Price
	StarRack Multi 84-Place rack, ideal for taller tubes (eg. cryogenic storage vials, 12x75 Tubes etc) up to 13 mm diameter. Made from autoclavable, impact resistant acetal polymer. Convenient carrying handles on either end of the rack. Ideal for use in the waterbath as the rack will sink to the bottom without toppling over! Dimensions (WxDxH): 293 x 115 x 65 mm.	Mixed (contains one each of blue, green, violet, yellow and orange)	E2396-9759	5	£68.20

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

Storage Racks

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

StarRack 80

	Description	Colour	Cat. No.	Pack Size	Price
	StarRack 80 Polypropylene fraction collection rack. Holds 80 x 1.5/2.0 ml tubes. Max. tube diam. 11 mm. Alpha numeric reference grid (A–E, 1–16). This rack does not have a lid, but an optional, natural polypropylene storage box with a hinged lid (see below) into which the racks fits can be used for extra security during freezer storage. Dimensions (WxDxH): 226 x 67 x 28 mm.	Natural	E2380-5000	5	£14.31
		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
	StarRack 80 storage box Dimensions (WxDxH): 236 x 85 x 52 mm.	Natural	E2390-5000	5	£15.86

*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 with two functions! Use on the bench then place directly into freezer. Temperature use: -80ºC to 121ºC. Autoclavable.

Expanding Work/Storage Rack

	Description	Colour	Cat. No.	Pack Size	Price
   Expand for use on the bench then close for use in freezer!	**Expanding work/storage rack** Reduce sample handling time with this expanding rack. 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. Fits in standard freezer racking. Holds 64 x 1.5/2.0 ml tubes. Autoclavable. Dimensions (WxDxH): Closed: 133 x 133 x 53 mm (with lid). Open: 310 x 128 x 33.5 mm.	Grey	E2364-1000	1	£26.12

Can be used in the freezer racking on pages 130–131 and page 134. Tubes not included.

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

Centrifuge Tube Storage

	Description	Rack Colour	Cat. No.	Pack Size	Price
	StarRack Multi for 15ml or 50ml tubes 60-place rack for 15 ml tubes (16 mm holes). 18-place rack for 50 ml tubes (30 mm holes). Made from autoclavable, impact resistant acetal polymer. Convenient carrying handles on either end of the rack. Ideal for use in the waterbath as the rack will sink to the bottom without toppling over! Dimensions (WxDxH): 293 x 115 x 65 mm.	Mixed (contains one each of blue, green, violet, yellow and orange)	E2396-9769 (15 ml Tubes)	5	£68.20
			E2396-9779 (50 ml Tubes)	5	£68.20

Tubes not included. See also racks for centrifuge tubes on page 122.

Storage Racks

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

Wire Storage Racks

	Description	Rack Colour	Cat. No.	Pack Size	Price
	Wire racks for 7.0 ml bijou containers Chemically resistant epoxy-coated wire racks. Suitable for 7.0 ml bijou containers or any other low-profile tube up to 20 mm diam. Autoclavable. Dimensions (WxDxH): 12 place: 164 x 64 x 32 mm. 50 place: 271 x 145 x 32 mm.	12-Place (2 x 6 format)	E2396-1612	1	£18.17
		50-Place (10 x 5 format)	E2396-1650	1	£21.58
	Wire racks for 30 ml universal containers Chemically resistant epoxy-coated wire racks. Suitable for 30 ml universal containers or any other low-profile tube up to 28 mm diam. Autoclavable. Dimensions (WxDxH): 12 place: 212 x 79 x 60 mm. 50 place: 355 x 189 x 60 mm.	12-Place (2 x 6 format)	E2396-1712	1	£19.87
		50-Place (10 x 5 format)	E2396-1750	1	£22.14
	15-place rack for 15 ml tubes Chemically resistant epoxy-coated wire rack. Ideal for use with conical tubes. Max. tube diameter: 20 mm. Autoclavable. Dimensions (WxDxH): 127 x 76 x 176 mm.	Blue	E2396-1515	1	£21.46
	8-place rack for 50 ml tubes Chemically resistant epoxy-coated wire rack. Ideal for use with conical tubes. Max. tube diameter: 30 mm. Autoclavable. Dimensions (WxDxH): 147 x 80 x 89 mm.	Blue	E2396-1550	1	£21.46
New! 	**72-place racks for blood collection tubes** Chemically resistant epoxy-coated wire racks. Suitable for 13 mm or 16 mm blood collection tubes and test tubes. Autoclavable. Dimensions (WxDxH): Rack for 13 mm tubes: 205 x 105 x 65 mm. Rack for 16 mm tubes: 241 x 188 x 65 mm.	Rack for 13 mm tubes	E2396-7213	1	£19.31
		Rack for 16 mm tubes	E2396-7216	1	£19.31

Tubes not included. Racks for 15 ml and 50 ml centrifuge tubes also available on page 121.

Multi-Tube Racks

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

Double-Sided StarRacks					
	Description	Rack Colour	Cat. No.	Pack Size	Price
Double-sided!	**StarRack 40** double-sided polypropylene rack with moulded matrix on both sides (A–D, 1–9). Holds: 32 x 0.5 ml tubes AND 8 x 1.5/2.0 ml tubes on one side; 32 x 1.5/2.0 ml tubes AND 8 x 0.5 ml tubes on the other. Transparent, lift-off lid. Dimensions (WxDxH): 170 x 80 x 28 mm. 170 x 80 x 50 mm (with lid).	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
Double-sided!	**StarRack 64** double-sided polypropylene rack with moulded matrix on both sides (A–H, 1–8). Holds: 64 x 0.5 ml tubes on one side; 64 x 1.5/2.0 ml tubes on the other. Transparent, lift-off lid. Dimensions (WxDxH): 130 x 130 x 30 mm. 130 x 130 x 50 mm (with lid). StarRack 64 can be used in the freezer racking on pages 128–129 and pages 132–133	Natural	E2364-1010	1	£5.72
		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
Double-sided!	**StarRack 96** double-sided polypropylene rack with moulded matrix on both sides (A–H, 1–12). Holds: 96 x 0.5ml tubes on one side, 96 x 1.5/2.0 ml tubes on the other. Transparent, lift-off lid. Dimensions (WxDxH): 222 x 114 x 28 mm. 222 x 120 x 50 mm (with lid).	Natural	E2396-0010	1	£8.82
		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. Polypropylene provides high chemical resistance. Temperature use: -90ºC to 121ºC. Autoclavable.

Combi Racks

	Description	Colour	Cat. No.	Pack Size	Price
	Combi-Mini polypropylene rack Each rack contains 80 holes: 4 x 50 ml tubes (30 mm) 12 x 15 ml tubes (17 mm) 32 x 1.5/2.0 ml tubes (12 mm) 32 x 0.5 ml tubes (8 mm) Dimensions (WxDxH): 171 x 91 x 54 mm. 	Natural	E2345-1000	1	£6.32
		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
Two slightly different versions available, both designed to hold an array of tubes 	**Combi-Max 92** polypropylene rack Each rack contains 92 holes: 8 x 50 ml tubes (30 mm) 20 x 20 mm diam. tubes (21 mm) 24 x 15 ml tubes (17 mm) 40 x 12/13 mm diam tubes (13 mm) Dimensions (WxDxH): 198 x 114 x 95 mm.	Natural	E2346-1000	1	£18.36
		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
	Combi-Max 96 polypropylene rack Each rack contains 96 holes: 12 x 25 ml tubes (27 mm) 20 x 20 mm diam. tubes (21 mm) 24 x 15 ml tubes (17 mm) 40 x 12/13 mm diam tubes (13 mm) Dimensions (WxDxH): 198 x 114 x 95 mm.	Blue	E2347-1001	1	£18.36
		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

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

TwisStar Rack

	Description	Colour	Cat. No.	Pack Size	Price
 	TwisStar – polypropylene rack comprising four sections that can be rotated and locked together to achieve various configurations for holding different tubes and a PCR plate. Combined, the TwisStar (four colour sections) holds up to: 50 ml tubes (max. 30mm ø) x 2 per section 15 ml tubes (max. 18mm ø) x 8 per section 1.5/2.0 ml tubes (max. 11mm ø) x 12 per section 0.5 ml tubes (max. 8.0 mm ø) x 6 per section PCR Plate 1 plate across 2 sections 8-Tube PCR Strips x 6 per section 12-Tube PCR Strips x 8 across 2 sections 0.2ml PCR Tubes x 48 per section Dimensions (WxDxH): 257 x 108 x 108 mm (combined). 69 x 108 x 108 mm (individual section) .	Yellow, Blue, Green & Red	E2344-1099	1	£32.91

Plate / tubes not included.

Multi-Tube Racks

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

Three-Tier Multi-Tube Rack

	Description	Colour	Cat. No.	Pack Size	Price
	Three-Tier Multi Tube Rack Polypropylene racks that can be used individually or connected side by side. Each rack has three tiers, each of which holds a different size tube: Top: 12 x 1.5 / 2.0 ml tubes Middle: 14 x 0.5 ml tubes Bottom: 24 x 0.2 ml tubes. Dimensions (WxDxH): 123 x 164 x 62 mm.	Mixed (one rack each of blue, green, violet, yellow, orange and natural)	E2313-1009	6	£22.77

Tubes not included.

Totally Tubular™

	Description	Colour	Cat. No.	Pack Size	Price
	Totally Tubular™ Four polypropylene racks in a support tray. Each of the four racks contains 29 holes for: 2 x 50 ml tubes (30 mm) 6 x 15 ml tubes (17 mm) 9 x 1.5 / 2.0 ml tubes (12 mm) 12 x 0.5 ml tubes (11 mm) Ind. rack dimensions (WxDxH): 93 x 93 x 48 mm.	Yellow, Blue, Green & Red	I 2344-1000	1 Tray, 4 Cubes	£31.60
		Neon Green, Neon Orange, Neon Pink & Neon Yellow	I 2344-1040	1 Tray, 4 Cubes	£32.91

Tubes not included.

PCR Sample Racks

StarPCR Work Rack

	Description	Rack Colour	Cat. No.	Pack Size	Price
	StarPCR work rack Sturdy 96-place polypropylene rack for use with either 1 x 96-well PCR plate, or 0.2 ml PCR tubes or strips. Positive snap-in transparent lid guarantees safe closure. Stackable with or without lid. Suitable for use down to -90ºC. Dimensions (WxDxH): 138 x 98 x 39 mm (with lid). NOTE: Not autoclavable.	Mixed (contains one each of blue, green, red, violet, yellow)	E2396-5240	5	£36.61

Double-Sided PCR Work Rack

	Description	Rack Colour	Cat. No.	Pack Size	Price
	Double-sided PCR work rack Double-sided polypropylene rack with transparent (detachable), hinged lid which has: 168 x 0.2 ml wells plus 12 x 1.5 ml wells on one side, and 40 x 0.5 ml wells plus 12 x 1.5 ml wells on the other Temperature use: -90ºC to 121ºC. Autoclavable. Dimensions (WxDxH): 206 x 131 x 54 mm (with lid).	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: -90ºC to 121ºC. Autoclavable.

PCR Workstation

	Description	Colour	Cat. No.	Pack Size	Price
	Rack A only (Satellite Rack) 96 wells to hold 0.2 ml PCR tubes, PCR 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) Holds 32 x 0.2 ml PCR tubes, 16 x 0.5 ml tubes (PCR or MCT), and 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

* Pack contains one rack with lid. **Pack contains one rack of each colour and five lids. Tubes not included.

PCR Lock-Rack

	Description	Rack Colour	Cat. No.	Pack Size	Price
	PCR Lock-Rack Polypropylene racks which lock together to make larger racks. Transparent lid fits over two sections locked together. Each section holds 24 x 1.5/2.0 ml tubes, 16 x 0.5 ml tubes and 60 x 0.2 ml tubes. Two sections locked together can hold a 96-Well PCR plate. Dimensions (WxDxH): 133 x 107 x 56 mm (2 sections with lid).	Mixed (contains one section each of blue, green, red, violet, yellow)	E2344-2099	4 Racks, 2 Lids	£28.50

Tubes not included.

Chiller Racks

StarChill high performance chiller racks

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

StarChill Chiller Racks					
	Description	Colour	Cat. No.	Pack Size	Price
	StarChill PCR 96-well rack with lid, for use with: 0.2 ml tubes (single or strip) or 0.2 ml 96-well PCR Plate Temperature colour change: 7 ºC. Estimated time at 4 ºC: 3+ hours* Dimensions (WxDxH): 141 x 99 x 44 mm (with lid); 141 x 99 x 38 mm (without 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 & 2.0 ml microcentrifuge or screw cap tubes Temperature colour change: 7 ºC Estimated time at 4 ºC: 3+ hours* Dimensions (WxDxH): 146 x 105 x 70 mm (with lid); 146 x 105 x 65 mm (without lid)	Pink (warm) Purple (cold)	E2396-5634	1	£44.24
		Yellow (warm) Green (cold)	E2396-5636	1	£44.24
	StarChill SBS 96-well rack (no lid), for use on AUTOMATED SYSTEMS with 0.2 ml tubes (single or strip) or a 0.2 ml 96-well PCR Plate Temperature colour change: 7 ºC Estimated time at 4 ºC: 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

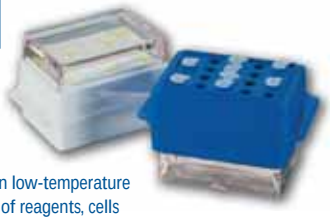
Containers for temperature sensitive samples

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 ºC.

Cooler Containers				
Cat. No.	Description	Dimensions (WxDxH)	Pack Size	Price
E2396-6008	4 Litre Round Cooler Container, Black	235 Ø x 180 mm	1	£82.16
E2396-6002	1 Litre Square Cooler Container, Green	270 x 195 x 115 mm	1	£82.15
E2396-6001	4 Litre Oblong Cooler Container, Blue	380 x 250 x 140 mm	1	£82.15
E2396-6004	9 Litre Oblong Cooler Container, Red	521 x 295 x 165 mm	1	£107.43

Note: Not autoclavable or microwavable.

Transport Cases & Coolers

Transport Cases & Coolers					
	Description	Colour	Cat. No.	Pack Size	Price
Protects valuable enzymes from temperature fluctuation due to frost-free cycles, power loss or open freezer doors	**Benchtop Cooler / Transport Case** Small, polypropylene, case-style holder filled with ice-gel, for use with 48 x 1.5/2.0 ml tubes. Handy note panel inside the lid. Maintains temperatures of: -15 ºC or lower, for 4 hours if frozen to -20 ºC. -15 ºC or lower, for 6 hours if frozen to -23 ºC. Dimensions (WxDxH): 215 x 200 x 95 mm. Weight 2.5 kg. NOTE: Not Autoclavable.	Black	I6348-1515	1	£221.18
Protects cells & biologicals stored in -70 ºC freezers. Use for added protection when shipping valuable samples on dry ice	**Cryo Cooler / Transport Case** Small, polypropylene, case-style holder filled with ice-gel, for use with 42 x 1.5/2.0 ml tubes. Handy note panel inside the lid. When frozen to -70 ºC the Cryo Cooler will take up to 10 hours to raise to a temperature of -10 ºC. Dimensions (WxDxH): 215 x 200 x 95 mm. Weight 2.5 kg. NOTE: Must be frozen to -70 °C for a minium of 24 hours before use. Not autoclavable.	Black	I6342-4270	1	£221.18
Perfect for the transportation of a small number of samples	**Mini Cooler** Small rack filled with with ice-gel for 8 x 1.5/2.0 ml tubes. Hinged, transparent lid with snap-catch. Maintains -15 ºC or below for up to 1 hour. Dimensions (WxDxH): 120 x 85 x 90 mm. Weight: 750 g. NOTE: Must be frozen to -20 °C for a minium of 24 hours before use. Not autoclavable.	Silver	I6308-1515	1	£77.15
 Maintain low-temperature storage of reagents, cells and enzymes removed from the freezer	**CryoSecure®** Double-sided racks filled with ice-gel, for use with 20 x 0.5 ml tubes on one side, or 20 x 1.5/2.0 ml tubes on the other. White rack maintains 0 ºC for a minimum of 5 hours. Blue rack maintains -10 ºC to -20 ºC for up to 3 hours. Dimensions (WxDxH): 172 x 110 x 105 mm with lid. NOTE: Not autoclavable.	White (0ºC Rack)	I2312-2720	1	£67.01
		Blue (-20ºC Rack)	I2312-2721	1	£67.01

Tubes not included.

Ice Bath / Floating Rack

Ice Bath / Floating Rack					
	Description	Colour	Cat. No.	Pack Size	Price
Use the rack in the hinged storage box supplied, and pack with ice for a mini, ice-bath, or remove the insert and use to float tubes in the waterbath!	**Ice Bath / Floating Rack** A versatile rack that can be used as a mini ice bath, or remove the insert and float tubes in the waterbath. Holds 24 x 1.5/2.0 ml tubes, or 14 x 0.5 ml tubes, or a combination of both Temperature use: -80 ºC to 121 ºC. Autoclavable.	Blue	I2324-5000	5	£42.45

Tubes not included.

Stainless Steel Storage

Stainless steel tube racks

A range of mirror-finish stainless steel (SS) tube racks for use on the bench or in the fridge or freezer.

Stainless Steel Tube Racks

Cat. No.	Description	Max. Cap Ø	Rack Dimensions (WxDxH)	Price
I2671-7211	72-Place Single SS Rack (11mm Ø holes)	20mm	252 x 125 x 30mm	£37.92
I2671-5013	50-Place Double SS Rack for Tall Tubes (13mm Ø holes)	20mm	207 x 108 x 60mm	£53.06
I2671-7814	78-Place Double SS Rack (14mm Ø holes)	18mm	252 x 125 x 60mm	£59.38
I2671-5018	50-Place Double SS Rack (18mm Ø holes)	23mm	252 x 125 x 80mm	£53.06
I2671-5020	50-Place Single SS Rack (20mm Ø holes)	24mm	255 x 130 x 30mm	£45.55
I2671-2825	28-Place Double SS Rack (25mm Ø holes)	35mm	252 x 145 x 80mm	£53.06
I2671-2830	28-Place Double SS Rack (30mm Ø holes)	35mm	252 x 145 x 80mm	£53.06

Examples of tubes suitable for use with the racks above:

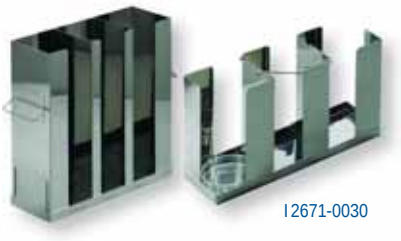
I2761-7211: Microcentrifuge Tubes, Screw Cap Microtubes
I2671-5013: Taller Screw Cap Tubes, Cryovials, 12x75 FACS Tubes
I2671-7814: Vacutainers (13mm)
I2671-5018: 15ml Centrifuge Tubes, Culture Tubes, 12ml Tubes, Vacutainers (16mm)
I2671-5020: 7.0ml Bijou Containers
I2671-2825: 30ml Universal Tubes
I2671-2830: 50ml Centrifuge Tubes

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 two 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 50mm/60mm dishes.

I2671-0057



I2671-0030

Stainless Steel Petri Dish Racks

Cat. No.	Description	Ext. Dimensions (WxDxH)	Price
	Open Racks		
I2671-0060	Petri Dish Rack for 30 x 100mm Ø Dishes or 60 x 50mm/60mm Ø Dishes	324 x 110 x 167mm	£79.77
I2671-0030	Petri Dish Rack for 30 x 100mm Ø Dishes	324 x 110 x 167mm	£51.75
	Solid Rack		
I2671-0057	Petri Dish Rack for 57 x 100mm Ø Petri Dishes	324 x 110 x 314mm	£94.79

NOTE: Dish capacity per rack is based on 16.2mm 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 -80ºC freezers.

See also the bin racks on page 132.

Stainless Steel Bins

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

Freezer Racking for Upright Freezers

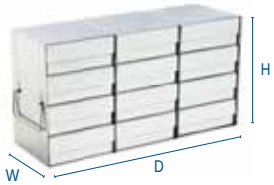
Stainless steel racking

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

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 for standard storage boxes up to 136 x 136 x 55 mm

Suitable for use with:

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

I2602-3400
Stainless steel rack
with side access

Stainless Steel Racks for Upright Freezers

Cat. No.	Description	Boxes Deep	Boxes High	Rack Dimensions (WxDxH)	Price
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.

I2612-4500
Aluminium rack
with side access

Aluminium Racks for Upright Freezers

Cat. No.	Description	Boxes Deep	Boxes High	Rack Dimensions (WxDxH)	Price
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.

Freezer Racking for Upright Freezers

Freezer racking for standard storage boxes up to 136 x 136 x 55 mm (continued)

I2632-4400
Stainless steel rack
with pull out shelves

Racks with pull out shelves have a 'stop" to prevent the shelves falling out

Stainless Steel Racks, Pull Out Shelves for Upright Freezers

Cat. No.	Description	Boxes Deep	Boxes High	Ext. Dimensions (WxDxH)	Price
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 stroage boxes on pages 114–115

Contact STARLAB for details

Freezer racking for StarStore 100 storage boxes

Stainless steel racks for upright freezers for use with our most popular storage box, the StarStore 100, see page 117.

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

StarStore 100 storage boxes which fit inside this racking are available on page 117

Stainless Steel Racks for Upright Freezers (StarStore 100)

Cat. No.	Description	Boxes Deep	Boxes High	Ext. Dimensions (WxDxH)	Price
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	Ext. Dimensions (WxDxH)	Price
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	Ext. Dimensions (WxDxH)	Price
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).

Freezer Racking for Upright Freezers

Stainless steel bin racking

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

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

Freezer racking for 1.5/2.0ml tubes

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

Racks with polypropylene dividers for chest freezers are also available. Contact STARLAB for details.

Stainless Steel Racks for Upright Freezers (1.5/2.0ml Tubes)						
Cat. No.	Description	Trays High	Tubes per Rack	Max. Tube Height	Ext. Dimensions (WxDxH)	Price
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

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 dividers supplied may not be able to be guaranteed, please state your colour of choice when ordering – choose from: blue, green, red, orange, violet, yellow, white or black. Tubes not included.

Freezer racking for 15ml & 50ml centrifuge tubes

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

I2615-5000

Stainless Steel Racks for Upright Freezers (15ml & 50ml Tubes)				
Cat. No.	Description	Drawers	Ext. Dimensions (WxDxH)	Price
I2615-1000	60-Place SS Rack for 15 ml Tubes	1	140 x 419 x 126 mm	£113.75
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
I2615-5000	Combination SS Rack for 80 x 15ml and 39 x 50 ml Tubes	2	140 x 559 x 252 mm	£170.63

Tubes not included.

Freezer Racking for Upright Freezers

Freezer racking for plates

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

Plates can either be stored one plate per shelf or they can be stacked. For example, a rack with the shelf height of 45 mm can be used to store one deepwell plate per shelf, or 4 x 10 mm high plates

Stainless Steel Racks for Upright Freezers (Plates)

Cat. No.	Description	Shelf Height	Plates (DxH)	Rack Dimensions (WxDxH)	Price
I2652-4500	45-Place SS Rack for Low-Profile Plates	16 mm	5 x 9	135 x 450 x 153 mm	£249.93
I2652-7800	78-Place SS Rack for Low-Profile Plates	16 mm	6 x 13	135 x 540 x 221 mm	£272.34
I2652-1120	112-Place SS Rack for Low-Profile Plates	16 mm	7 x 16	135 x 630 x 272 mm	£544.69
I2652-3000	30-Place SS Rack for Microplates	25 mm	5 x 6	135 x 450 x 159 mm	£206.40
I2652-2000	20-Place SS Rack for Deepwell Plates	45 mm	5 x 4	135 x 450 x 186 mm	£163.41

Aluminium Racks for Upright Freezers (Plates)

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

Racks with pull out shelves have a 'stop" to prevent the shelves falling out.

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

Cat. No.	Description	Shelf Height	Plates (DxH)	Ext. Dimensions (WxDxH)	Price
I2653-4500	45-Place SS Rack for Low-Profile Plates, Pull Out Shelves	16 mm	5 x 9	135 x 450 x 153 mm	£451.52
I2653-7800	78-Place SS Rack for Low-Profile Plates, Pull Out Shelves	16 mm	6 x 13	135 x 540 x 221 mm	£494.52
I2653-1120	112-Place SS Rack for Low-Profile Plates, Pull Out Shelves	16 mm	7 x 16	135 x 630 x 272 mm	£544.69
I2653-3000	30-Place SS Rack for Microplates, Pull Out Shelves	25 mm	5 x 6	135 x 450 x 159 mm	£351.18
I2653-4800	48-Place SS Rack for Microplates, Pull Out Shelves	25 mm	6 x 8	135 x 540 x 212 mm	£450.82
I2653-6000	60-Place SS Rack for Microplates, Pull Out Shelves	25 mm	6 x 10	135 x 540 x 265 mm	£482.62
I2653-2000	20-Place SS Rack for Deepwell Plates, Pull Out Shelves	45 mm	5 x 4	135 x 450 x 186 mm	£258.01

New!

New!

Other sizes of freezer racking available!

The freezer racking shown in this catalogue is just a selection of those available. Contact STARLAB with the make and model of your freezer and the type of storage box or plate you wish to store.

Freezer Racking for Chest Freezers

Stainless steel racking

Stainless steel provides the highest quality freezer racking.

Aluminium racking

Aluminium provides durable and light-weight racking at an economical price.

Measuring chest freezer racking

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

Suitable for use with:

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

Stainless steel racking with locking rod to hold boxes in place

I2602-6000

Stainless steel racking with spring lock to hold boxes in place

I2612-1100

Stainless Steel Racks for Chest Freezers

Cat. No.	Description	Ext. Dimensions (WxDxH)	Price
I2602-3000	3-High SS Rack	140 x 140 x 170 mm	£81.70
I2602-5000	5-High SS Rack	140 x 140 x 280 mm	£84.57
I2602-6000	6-High SS Rack	140 x 140 x 335 mm	£86.01
I2602-7000	7-High SS Rack	140 x 140 x 390 mm	£90.30
I2602-8000	8-High SS Rack	140 x 140 x 445 mm	£101.11
I2602-9000	9-High SS Rack	140 x 140 x 500 mm	£104.35
I2602-1000	10-High SS Rack	140 x 140 x 555 mm	£96.04
I2602-1100	11-High SS Rack	140 x 140 x 610 mm	£97.47
I2602-1200	12-High SS Rack	140 x 140 x 665 mm	£98.90
I2602-1300	13-High SS Rack	140 x 140 x 720 mm	£102.04

Boxes not included.

Stainless Steel Spring Lock Racks for Chest Freezers

Cat. No.	Description	Ext. Dimensions (WxDxH)	Price
I2613-3000	3-High SS Rack, Spring Lock	140 x 140 x 170 mm	£88.87
I2613-5000	5-High SS Rack, Spring Lock	140 x 140 x 280 mm	£93.17
I2613-6000	6-High SS Rack, Spring Lock	140 x 140 x 335 mm	£96.04
I2613-7000	7-High SS Rack, Spring Lock	140 x 140 x 390 mm	£98.91
I2613-8000	8-High SS Rack, Spring Lock	140 x 140 x 445 mm	£104.63
I2613-9000	9-High SS Rack, Spring Lock	140 x 140 x 500mm	£120.10
I2613-1000	10-High SS Rack, Spring Lock	140 x 140 x 555 mm	£110.37
I2613-1100	11-High SS Rack, Spring Lock	140 x 140 x 610 mm	£114.67
I2613-1200	12-High SS Rack, Spring Lock	140 x 140 x 665 mm	£118.97
I2613-1300	13-High SS Rack, Spring Lock	140 x 140 x 720 mm	£121.84

Boxes not included.

Aluminium Racks for Chest Freezers

Cat. No.	Description	Ext. Dimensions (WxDxH)	Price
I2612-3000	3-High Aluminium Rack	140 x 140 x 170 mm	£70.24
I2612-5000	5-High Aluminium Rack	140 x 140 x 280 mm	£71.67
I2612-6000	6-High Aluminium Rack	140 x 140 x 335 mm	£73.10
I2612-7000	7-High Aluminium Rack	140 x 140 x 390 mm	£75.97
I2612-8000	8-High Aluminium Rack	140 x 140 x 445 mm	£78.83
I2612-9000	9-High Aluminium Rack	140 x 140 x 500 mm	£80.27
I2612-1000	10-High Aluminium Rack	140 x 140 x 555 mm	£81.70
I2612-1100	11-High Aluminium Rack	140 x 140 x 610 mm	£83.14
I2612-1200	12-High Aluminium Rack	140 x 140 x 665 mm	£84.57
I2612-1300	13-High Aluminium Rack	140 x 140 x 720 mm	£87.44

Boxes not included.

Freezer Racking for Chest Freezers

Freezer racking for StarStore 100 storage boxes

I2610-2100

StarStore 100 storage boxes for use in this freezer racking are available on page 117

Stainless steel racking with locking rod to hold boxes in place

Stainless steel racking, suitable for use in for chest freezers with our most popular storage box, the StarStore 100 (see page 117). Locking bar secures boxes in place.

Stainless Steel Racks for Chest Freezers (StarStore 100)			
Cat. No.	Description	Ext. Dimensions (WxDxH)	Price
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

Storage boxes not included.

Freezer and liquid nitrogen racking for cryogenic storage boxes

I2602-1325

I2602-5081

Stainless steel racking with locking rod to hold boxes in place

Stainless steel racking, suitable for use in chest freezers with the 25-place or 81-place tall cryogenic storage boxes on page 119. Racking can be used in the freezer or submerged in liquid nitrogen.

Stainless Steel Racks for Chest Freezers (25-Place Cryo)			
Cat. No.	Description	Ext. Dimensions (WxDxH)	Price
I2602-1325	13-High SS Rack for 25-Place Cryogenic Storage Box	82 x 86 x 750 mm	£120.07

Storage boxes not included.

Stainless Steel Racks for Chest Freezers (81-Place Tall Cryo)			
Cat. No.	Description	Ext. Dimensions (WxDxH)	Price
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 (see p119) or any storage box up to (WxDXH) 136 x 136 x 100 mm.

Custom-Made Freezer Racking

We can manufacture any rack you may require for your upright or chest freezer. For custom designed racking, we need to have the exact overall dimensions of the boxes, plates or tubes which are to be used in the racking, plus the brand and model of the freezer in which the racking will be used.

Customised racking allows you optimise the space in your freezer when you have:

- standard size storage boxes but the racking offered does not fit well in your freezer
- smaller or larger storage boxes to the standard and you require racking to fit those boxes
- plates or racked tubes of a non-standard height that will not fit the shelf heights already offered

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

CUSTOM RACKS BUILD your OWN available on request

Slide Storage Cabinets

Versatile, stackable slide cabinets

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

- **Top Cover**
  Height: 25 mm
- **14-drawer slide cabinet**
  Holds approximately 6000 (76 x 26 mm) microscope slides
  Height: 140 mm
- **7-drawer cabinet**
  Holds larger (76 x 50 mm) slides or larger wax blocks
  Height: 140 mm
- **8-drawer block store**
  Holds blocks and cassettes (approx. 3000). Each drawer has seven rows of 30 mm width sections
  Height: 280 mm
- **Base stand**
  Height: 130 mm

Slide Storage Cabinets				
Cat. No.	Description	Colours Available*	Pack Size	Price
E1500-10##	Top Cover for Slide Storage Cabinets	Blue, Green, Black	1	£68.13
E1500-11##	14-Drawer Slide Cabinet	Blue, Green	1	£329.32
E1500-12##	7-Drawer Slide Cabinet	Blue, Green	1	£306.61
E1500-13##	8-Drawer Block Store	Blue, Green	1	£391.77
E1500-1408	Base Stand	Black	1	£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. Dimensions (WxDxH): 20-Place: 208 x 341 x 9 mm. 30-Place: 281 x 328 x 10 mm	20 Slides	E1500-2009	10	£29.09
		30 Slides	E1500-3009	10	£50.56

Slide Storage Trays

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: -80ºC to 80ºC. (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

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

Slide Storage Boxes

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

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

StarFile storage system

Stackable slide storage filing system, comprising slide box with a transparent, hinged lid and a removable draining rack. Made from impact resistant acetal polymer, the StarFile stores slides vertically for easy insertion and removal. Slides can be tilted forward/back for easy selection, or for the reading of barcodes without having to remove the slides. Each box is supplied with two index cards. Temperature use: -80ºC to 80 ºC. Available in two sizes:

StarFile: Slide storage box with removable drain rack tray with 100 numbered slots. Stores slides vertically. Slots can hold two slides if required, or 400 slides can be stored in three rows in the box if the drain rack is removed.

StarFile Jr: Slide storage box with removable drain rack tray with 50 numbered slots. Stores slides vertically. Slots can hold two slides if required, or 200 slides can be stored in three rows in the box if the drain rack is removed.

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.

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 ºC to 121ºC
- Autoclavable

Slide staining racks

- 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 ºC to 121 ºC
- Autoclavable
- Dimensions (WxDxH): 76 x 64 x 92 mm

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, 1 x Staining Rack	Various	6	£69.51

Slides not included.

Slide Mailers

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

Holds 5 slides
Internal slotted channels keep slides separated

Holds 2 slides
Internal recess keeps slides secure

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

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

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

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

SMART INSTRUMENTS

Easy to use!

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

STIRRERS
Magnetic Stirrer 140
Magnetic Stirrer with Heating 140

MIXERS
Vortex..... 141
Vortex IR 142
Tube Roller..... 143
Microplate Mixer..... 144

SHAKERS
Rocking & Rocking 3D Shaker 145
Orbital Shaker 146

DRY BATH INCUBATORS
Mini Dry Bath 147
Single & Dual Block Dry Bath 148

CENTRIFUGES
Mini Fuge..... 149
Plate Centrifuge 150

PCR CABINETS
Airclean® PCR Cabinets..... 151–152

Magnetic Stirrer

New!

N2400-2010

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

Features

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

Magnetic Stirrer			
Cat. No.	Description	Pack Size	Price
N2400-2010	Magnetic Stirrer	1	£177.15

Magnetic Stirrer with Heating

New!

N2400-3010

Stir up some heat!

This magnetic stirrer has very fast temperature ramping to help save your time. The ceramic-coated plate ensures an even temperature and has a high resistance to chemicals. It is ideal for many applications including the preparation of solvents at high temperatures. Supplied with a 40 mm magnetic stir bar, the stirrer is easy to use and has a clear LED display showing temperature and speed.

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) 15 W (without heating)
Voltage	200 – 240 V
Frequency	50/60 Hz
Weight	1.4 kg
Dimensions (WxDxH)	155 x 215 x 100 mm

Features

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

Magnetic Stirrer with Heating			
Cat. No.	Description	Pack Size	Price
N2400-3010	Magnetic Stirrer with Heating	1	£312.28
N2400-3011	Temperature Sensor PT1000	1	£90.92

Vortex

N2400-6110

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

Vortex			
Cat. No.	Description	Pack Size	Price
N2400-6110	Vortex with UK plug	1	£187.37
	Accessories		
N2400-6011	Replacement Universal Cup for Tubes up to 30 mm Ø	1	£11.92
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	£41.45
N2400-6013*	Tube Adapter for 8 x 15 ml Centrifuge Tubes up to 16 mm Ø) (Use in Combination with N2400-6015)	1	£41.45
N2400-6014	Adapter for 96-Well Microtitre Plates (Skirted only)	1	£81.76
N2400-6015	Vortex Adapter Plate for use with N2400-6012 and N2400-6013	1	£29.52

* N2400-6012 and N2400-6013 can only be used as an attachment in combination with N2400-6015. N2400-6012 and N2400-6013 can also be used as an attachment on the Microplate Mixer (see page 144) in combination with its adapter N2400-8043.

N2400-6012

N2400-6013

N2400-6014
(Plate shown for illustrative purposes only, not included)

N2400-6015

Vortex IR

N2400-0001

Simple, but revolutionary!

The Vortex IR incorporates an optional infrared (IR) motion detector which automatically starts the vibration when a tube crosses the sensor field.

The variable vibration speed allows low speeds for the gentle mixing of samples or higher speeds for vigorous vortex mixing and the resuspending of cells or chemical pellets.

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 ºC–40 ºC
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	30 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

*Max speed of 800 rpm with microtiter foam attachment (N2400-1004). Max. speed of 1200 rpm with all other foam attachments. Only the cup head (N2400-1008) supplied with the unit is suitable for use up to the max. speed of 3000 rpm.

Vortex IR			
Cat. No.	Description	Pack Size	Price
N2400-0001	Vortex IR	1	£259.10
N2400-1008	Replacement Cup for Single Test Tube	1	£15.14

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

Cat. No: N2400-1001
Price: £54.37

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

Cat. No: N2400-1002
Price: £54.37

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

Cat. No: N2400-1003
Price: £54.37

For Microtitre Plates

Cat. No: N2400-1004
Price: £54.37
(Plate not included)

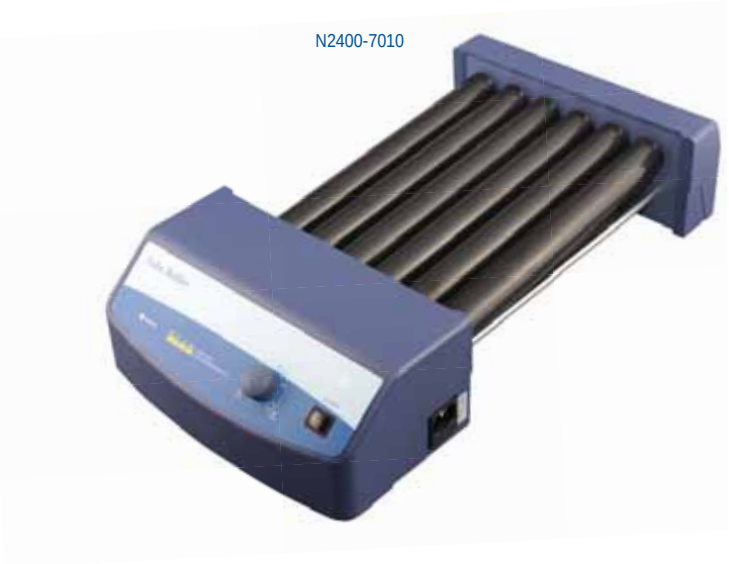
Universal Rubber Attachment (50 mm Ø)

Cat. No: N2400-1005
Price: £30.29

Customisable Soft Foam Attachment

Cat. No: N2400-1006
Price: £44.24

Tube Roller


N2400-7010

New! Rock and roll!

Simultaneous rolling and tilting movements ensures thorough mixing. The tube roller is built for continuous operation and is suitable for applications such as hybridisation. The sturdy and robust construction and variable speed control will make this your tube roller of choice.

Features

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

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
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

Tube Roller			
Cat. No.	Description	Pack Size	Price
N2400-7010	Tube Roller	1	£505.33

STARLAB Centrifuge Tubes

STARLAB Centrifuge Tubes are made from clear polypropylene with blue HDPE screw caps. See page 69.

Microplate Mixer

New!

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
- Easy to use
- Speed control
- Various accessories for microtitre plates and tubes
- 2-year warranty

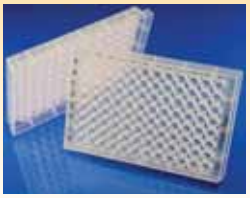
Specifications	
Speed Range	0–1500 rpm*
Permissible Ambient Temperature	4–40 °C
Permissible Relative Humidity	< 80 %
Max. Load	0.5 kg
Type of Movement	Orbital
Orbital Diameter	4.5 mm
Power	20 W
Voltage	100–240 V
Frequency	50/60 Hz
Weight	3 kg
Dimensions (WxDxH)	150 x 260 x 80 mm

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

Microplate Mixer			
Cat. No.	Description	Pack Size	Price
N2400-8040	Microplate Mixer	1	£414.48
	Accessories		
N2400-8041	Replacement Attachment for One Plate	1	£11.92
N2400-8042	Microtitre Plate Attachment for Two Plates	1	£25.89
N2400-8043	Microplate Mixer Adapter Plate for use with N2400-6012 and -6013	1	£11.92
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	£41.45
N2400-6013*	Tube Adapter for 8 x 15 ml Centrifuge Tubes up to 16 mm Ø (Use in Combination with N2400-8043)	1	£41.45

Microplate Mixer is supplied with an attachment for one plate (N2400-8041) as shown in main image (plate not included).
*N2400-6012 and N2400-6013 can only be used as an attachment in combination with N2400-8043.
N2400-6012 and N2400-6013 can also be used with the Vortex (see page 141) in combination with its adapter N2400-6015.

STARLAB PlateOne® Plates



See our comprehensive range of consumables for the laboratory, including PlateOne® deepwell (p87) and microplates (p91)

N2400-8041

N2400-8042

N2400-6012

N2400-6013

N2400-8043

Rocking Shaker & 3D Rocking Shaker

N2400-8010

N2400-8020

New! 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 ensures 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
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 (Platforms: 320 x 320 mm)

Rocking Shakers			
Cat. No.	Description	Pack Size	Price
N2400-8010	Rocking Shaker	1	£1,167.37
N2400-8020	3D Rocking Shaker	1	£1,167.37
Accessories			
N2400-8011	Universal Platform with Clamping Rolls	1	£282.76
N2400-8021	Universal Platform with Rubber Mat and Bungee Cords	1	£282.76

N2400-8010 and N2400-8020 are both supplied with a universal platform with 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 146.

N2400-8011

Orbital Shaker

New!

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 ensures ease of use. It provides the orbital shaking of your samples from a gentle agitation up to a vigorous orbital motion. The orbital shaker is suitable for a wide range of molecular biology or immunology applications. Two platforms are available and sold separately so you can customise your shaker to your requirements.

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
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 (Platforms 320 x 320 mm)

Orbital Shaker			
Cat. No.	Description	Pack Size	Price
	Shaker Base Unit		
N2400-8030	Orbital Shaker*	1	£1024.29
	Accessories		
N2400-8011	Universal Platform with Clamping Rolls	1	£282.76
N2400-8021	Universal Platform with Rubber Mat and Bungee Cords	1	£282.76

***IMPORTANT:** N2400-8030 is supplied WITHOUT a platform. A platform must be purchased separately.
N2400-8011 can also be used on the rocking and 3D rocking shakers (N2400-8010 / N2400-8020) on page 145.

N2400-8011

N2400-8021

Mini Dry Bath Incubator

New!

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 Water Bath: 5 °C above ambient to to 90 °C
Water Bath Volume	85 ml (approx.)
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 – 9999 mins, continuous
Safety Device	Leak-proof heating chamber and over-heating alarm protection
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 Incubator*	1	£222.57

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

Metal Blocks for Mini Dry Bath

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

For 32 x 0.2 ml PCR Tubes

Cat. No: N2400-4021
Price: £45.42

For 12 x 0.5 ml Microcentrifuge Tubes

Cat. No: N2400-4022
Price: £45.42

For 12 x 1.5 ml Microcentrifuge Tubes*

Cat. No: N2400-4023
Price: £45.42

For 12 x 1.5/2.0 ml Microcentrifuge Tubes*

Cat. No: N2400-4024
Price: £45.42

For 6 x 15 ml Centrifuge Tubes

Cat. No: N2400-4025
Price: £45.42

For 2 x 50 ml Centrifuge Tubes

Cat. No: N2400-4026
Price: £45.42

*N2400-4023: use with tubes with conical bottoms.
*N2400-4024: use with tubes with v-shaped bottoms.

Single & Dual Block Dry Bath Systems

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 single or dual block units, these systems offer great value and convenience for the user.

Features

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

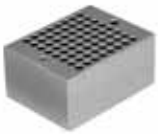
N2400-4001

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

Dry Bath Incubators			
Cat. No.	Description	Pack Size	Price
N2400-4001	Dry Bath Heating System, Single Block, Digital*	1	£302.86
N2400-4002	Dry Bath Heating System, Dual Block, Digital*	1	£460.25

* 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

Cat. No: N2400-4100
Price: £82.63

For 20 x 1.5/2.0 ml Microcentrifuge Tubes

Cat. No: N2400-4101
Price: £82.63

For 12 x 15 ml Centrifuge Tubes

Cat. No: N2400-4102
Price: £82.63

For 4 x 50 ml Centrifuge Tubes

Cat. No: N2400-4103
Price: £82.63

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

For 20 x 1.5 ml Microcentrifuge Tubes

Cat. No: N2400-4104
Price: £82.63

For 20 x 0.5 ml PCR or Microcentrifuge Tubes

Cat. No: N2400-4105
Price: £82.63

For 20 x 13 mm Tubes

Cat. No: N2400-4106
Price: £82.63

For 96-Well Plate (Single Block)

Cat. No: N2400-4107
Price: £137.72

For 96-Well Plate (Dual Block)

Cat. No: N2400-4108
Price: £196.74

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 8-strip 0.2 ml tubes; the standard rotor accepts six 0.5 ml or 1.5/2.0 ml microcentrifuge tubes. The rotors can be changed easily and quickly.

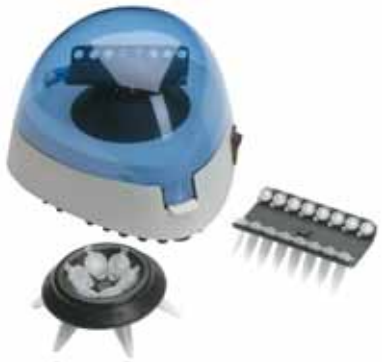
Features

- Supplied with two rotors: one for use with 0.5 ml to 2.0 ml microcentrifuge tubes, and one for use with 0.2 ml PCR tubes
- Quick and easy rotor change
- 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 to 40 °C
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	£227.50

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 adaptors to convert the Standard rotor so it can be used with 0.5 ml tubes. An allen key for changing the rotors is also supplied.



STARLAB Easy Grip Caps

See pages 72–73 for our extensive range of Screw Cap Microtubes

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 25 mm high. An optional adaptor is available for centrifuging 48-well PCR plates and 0.2 ml PCR tubes or strips.

Features

- Accommodates two plates
- Quick spin down of droplets and condensation
- Use before and after thermal cycling to increase PCR yield
- Accepts skirted, semi-skirted and non-skirted plates
- Less than quarter the size of most plate centrifuges
- Easy cleaning and maintenance
- 2-year warranty

Specifications	
Speed	2500 rpm
RCF	500 x g
Rotor Capacity	Two plates (up to 25 mm high)
Operating Temperature	4 °C to 30 °C
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	£579.14
Accessories			
N2631-0018	Adaptor for 48-Well Plates and 0.2 ml Strips and Tubes	2	£40.88

Centrifuges

STARLAB PCR Consumables

See pages 80–83 for our extensive range of PCR Plates

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.

AirClean® Systems

Features

- UVTect™ microprocessor
- Polycarbonate design to reflect UV energy
- Folding sash for full and easy access
- Fluorescent light
- UV light
- Safety interlock switch that automatically cuts off the UV light when the sash is opened (and enables blower on Laminar Flow units)
- One piece construction ensures that no UV energy can escape
- Supplied ready-assembled – just plug and play!
- 1-year warranty

*Laminar Flow models only.

STAR LAB

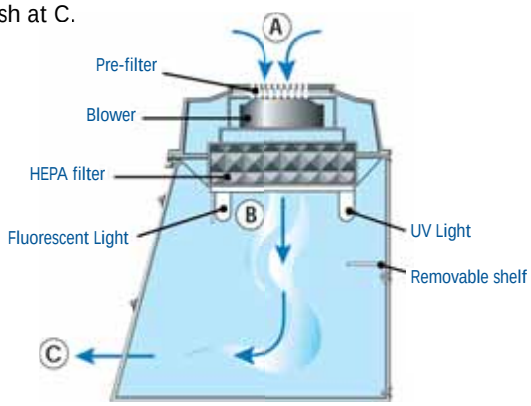
AirClean® PCR Cabinets

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 will alert you when the filter needs changing
- Variable speed blower control allows manual adjustment to the airflow for working with the most fragile of samples
- Lab event timer, and time and date display

How the "Laminar Flow" works

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



	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
Noise Level	n/a	n/a	< 49 dba	< 53 dba
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 Cabinets	N2540-8400 £2123.34	N2540-8500 £3252.03	N2530-8200 £3158.43	N2530-8300 £4273.28
	Accessories Ordering Information			
Pre-Filters (Pack of 12)	n/a	n/a	N3942-7500 £189.58	N3952-7518 £227.50
HEPA Filters (Each)	n/a	n/a	N3942-7000 £290.70	N3952-7018* £252.78
UV Bulbs (Pack of 4)	N2530-1500 £214.86	N2530-1500 £214.86	N2530-1500 £214.86	N2530-1500 £214.86
Trolley / Stand	N2520-3200 £635.76	N2520-4800 £758.34	N2520-3200 £635.76	N2520-4800 £758.34

*Two required for 48" cabinet

PROTECTION

Confidence assured!

Like a second skin.

Our gloves offer maximum comfort and protection.

DISPOSABLE GLOVES

Gloves Overview 154–155
Nitrile Gloves 156–161
Chloroprene Gloves 161
Latex Gloves 162–163
Glove Dispenser 163

LABORATORY DISINFECTANT

Chemgene® Laboratory Disinfectant 164
Distel® Laboratory Disinfectant 165

BENCHTOP SAFETY

Safety Spill Trays & Liners 166

DISPOSAL

Autoclavable Sweet Jars 167
Autoclave Bags 167
Autoclave Tape 167
Radiation Disposal Bags 167
Self-Adhesive Radiation Labels 167

STAR LAB

Disposable Gloves Overview

STARLAB disposable gloves

STARLAB is committed to providing consistent and reliable quality hand protection.

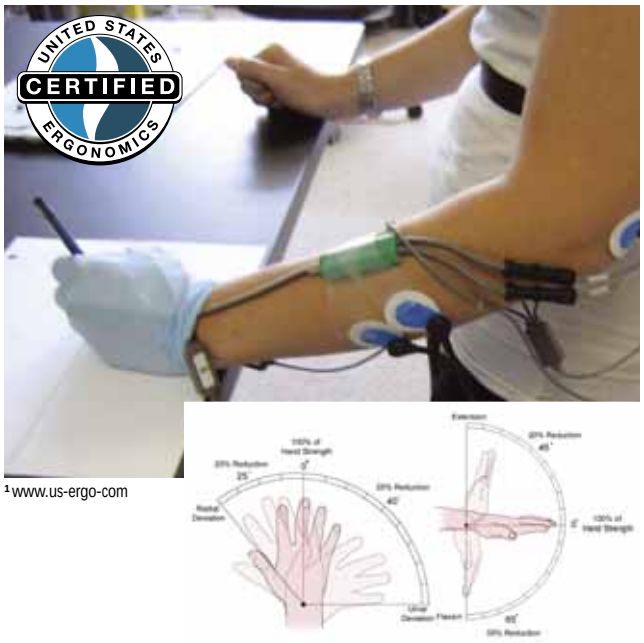
We offer a range of gloves for different applications and user preferences, including a whole new range of our own gloves, STARGUARD. Glove comfort is essential to allow you to do your job well. Our range includes innovative products where comfort and hand health is at the forefront of the technology in order to help combat hand fatigue in the workplace.

Combating hand fatigue!

Hand fatigue does not just impact on the work you do today. Over time, hand fatigue can lead to painful injuries, reduced productivity and even lost wages and shortened careers. StarGuard® COMFORT and XCEED® are both recognised as Ergonomic Certified disposable gloves. See pages 158 & 168.

What does ergonomic certification mean?

According to US Ergonomics, a product that has received certification provides measurable ergonomic benefits to the users by improving comfort and fit and by **minimising the risk factors that may contribute to the development of ergonomic injuries.**[1]



[1] www.us-ergo-com

Looking after your hand health!

New! Low Dermatitis Potential glove

Our new StarGuard® SENSITIVE nitrile 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 are both extremely strong and comfortable, and an excellent choice for everyday use. You don't have to be susceptible to allergies to appreciate the quality, comfort and value of these gloves! See page 159.

LOW DERMATITIS POTENTIAL

Providing protection!

We have a range of gloves with the highest EN safety standards for quality. See page 156 for our gloves with an **Acceptable Quality Level (AQL) of 0.65**. Our gloves have been tested against an array of chemicals to **EN374-3** and **EN16523-1** standards. See the links on our website that take you to the Chemical Breakthrough times information for each glove.

Gloves Overview

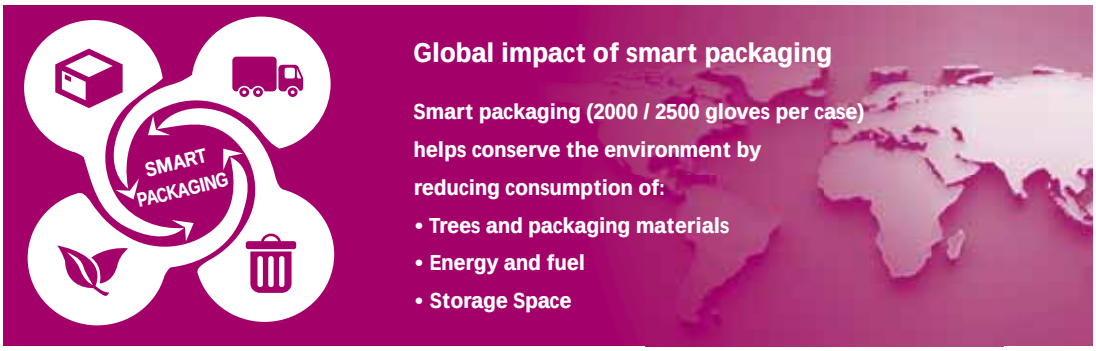
Glove Material Specifications			
Material	**Nitrile**	**Latex**	**Chloroprene**
Properties	Synthetic rubber	Natural rubber	Synthetic rubber
Characteristics	GOOD FOR: Chemical splash protection, barrier protection against biohazards, water miscible substances, weak acids and alkalis (pH 4–10), aliphatic solvents, oil and grease, allergy sufferers. POOR FOR: Direct contact with ketones.	GOOD FOR: Barrier protection against blood-borne pathogens and other biohazards, water miscible substances, weak acids and alkalis (pH 4–10). POOR FOR: Organic solvents, oils and grease, allergy sufferers.	GOOD FOR: Puncture resistance, water miscible substances, strong alkalis (pH 11–14) and phenols, allergy sufferers. POOR FOR: Organic solvents.
Elasticity	Good	Best	Good
Strength	Best	Good	Best
Puncture resistance	Best	Good	Best
Chemical resistance	Best	Good	Best

Product Data Sheets
Download a copy from the STARLAB website

STARLAB gloves: providing valuable protection in the laboratory

- PPE Category III, EC Directive 89/686/EEC
- EN 420
- EN 374-2 Protection against penetration by micro-organisms
- EN 374-3 Protection against chemical permeation
- EN16523-1 Permeation by liquid chemicals under conditions of continuous contact (StarGuard® range only)
- European Medical Device Directive 93/42/EEC, CE Class 1
- Medical Gloves Standard ISO 11193-1
- EN 455 Parts 1, 2 & 3
- 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

IMPORTANT: See the standards which apply for each glove on the following pages.



Global impact of smart packaging

Smart packaging (2000 / 2500 gloves per case) helps conserve the environment by reducing consumption of:

- **Trees and packaging materials**
- **Energy and fuel**
- **Storage Space**

FREE SAMPLE TRY before you BUY available on request

Contact us for your free glove samples and try before you buy

Nitrile Gloves

StarGuard® PROTECT

Strength and durability for reliable protection

A strong, comfortable glove that provides reliable protection against day-to-day laboratory hazards.

- Combines strength and durability for everyday protection
- Comfort, tactile sensitivity and consistent grip
- Excellent chemical splash protection
- Longer glove length (250 mm) covers the wrist

PPE Cat. III Complex Design. AQL 0.65
Violet-Blue Nitrile Glove. Textured Fingers
Length: 250 mm. 100 Gloves per Box

Recommended for use when:

- Everyday protection requires strength and durability
- You are looking for excellent chemical splash protection
- A combination of protection and reliable, consistent grip is needed
- Protection is crucial while performing delicate tasks

Everyday protection from hazards

Nitrile gloves provide the best chemical splash resistance in a disposable glove, as well as excellent barrier protection against biohazards, water miscible substances, weak acids, and alkalis (pH 4–10), aliphatic solvents, and oil and grease.

Outstanding chemical breakthrough times

- Acrylamide (40%) > 480 mins
- Ethidium Bromide (5%) > 480 mins
- Gluteraldehyde (50%) > 480 mins

For everyday, reliable protection

The durable but soft material offers excellent comfort while performing delicate tasks, without compromising splash protection.

StarGuard® PROTECT				
Cat. No	Description	Size	Pack Size	List 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

Nitrile Gloves

EN420 | EN374-2: 2003 | EN374-3: 2003

CE 0197

LEVEL 3 (AQL 0.65)

StarGuard® PROTECT+

Extended cuff for optimal protection

A strong, 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	List 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
295mm long to provide protection over the cuffs of your lab coat

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

STAR LAB

Nitrile Gloves

EN420 EN374-2: 2003 EN374-3: 2003

LEVEL 3 (AQL 0.65)

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

Combating hand fatigue!

Hand fatigue not only severely impacts the work you do today, it can also have long-term ramifications. StarGuard® COMFORT has been 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

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

StarGuard® COMFORT				
Cat. No	Description	Size	Pack Size	List 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

Nitrile Gloves

EN420 EN374-2: 2003 EN374-3: 2003

LOW DERMATITIS POTENTIAL

CE 0197

LEVEL 2 (AQL 1.5)

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

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!

StarGuard® SENSITIVE

Accelerator-free hand protection for sensitive skin

A strong, lightweight glove that provides dexterity and comfort during long periods of wear, and is also kind to your hands.

- Low Dermatitis Potential – ideal for users with sensitive skin
- Contains no contaminants to interfere with experiments
- Textured fingers for improved tactile sensitivity
- Excellent grip in wet conditions

PPE Cat. III Complex Design. AQL 1.5
Blue Nitrile Glove. Textured Fingers
Length: 240 mm. 200 Gloves per Box

Excellent grip in wet conditions

A reduced amount of surfactants used during the manufacture of StarGuard® SENSITIVE results in an improved grip in wet conditions to rival that of latex gloves.

StarGuard® SENSITIVE				
Cat. No	Description	Size	Pack Size	List 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

Nitrile Gloves

XCEED®

PPE Cat. III Complex Design. AQL 0.65

Blue Nitrile Glove. Powder-Free. Textured Fingers. Length: 240mm

Made from exclusive **Avantex™** advanced polymer technology, these **unbelievably soft** gloves provide improved tactile sensitivity to help reduce hand fatigue. XCEED® sets a new standard in strength and durability – up to **60% stronger** than leading brands! Supplied in boxes of 250 gloves, the larger pack size **helps to conserve the environment** by reducing packaging materials, transport costs and storage space.

Recommended for use when:

- Work demands great dexterity and you need a glove to reduce hand fatigue
- You are looking for significantly stronger protection
- Working in environments that demand consistent grip and reliability
- Using Ethidium Bromide (Breakthrough: >480 mins)

Cat. No. change during 2016 to: 93-833-##

XCEED™			
Cat. No.**	Sizes Available	Pack Size	Price
XC-INT-#	XS, S, M, L, XL	10 x 250[1]	£347.57

[1]Pack size for XL gloves: 10 x 230.

SUPRENO®

PPE Cat. III Complex Design. AQL 0.65

Blue Nitrile Glove. Powder-Free. Textured Fingers. Length: 245mm

Recommended for use when:

- Contact with chemicals is a standard activity each day – Supreno provides excellent chemical splash protection!
- Strength and protection are of great importance
- Day to day hazards require the best combination of durability and security
- Working in environments that demand consistent grip and reliability

Cat. No. change during 2016 to: 93-843-##

SUPRENO®			
Cat. No.**	Sizes Available	Pack Size	Price
SU-INT-#	XS, S, M, L, XL	10 x 100	£150.83

SUPRENO® PLUS

PPE Cat. III Complex Design. AQL 0.65. Extended Cuff

Blue Nitrile Glove. Powder-Free. Textured Fingers. Length: 295mm

Recommended for use when:

- Contact with specific chemicals is a standard activity each day - Supreno Plus provides excellent chemical splash protection!
- Increased protection is needed over the wrist and forearm for enhanced safety – extended cuff!
- Day to day hazards require the best combination of durability and security

Cat. No. change during 2016 to: 93-853-##

SUPRENO® PLUS			
Cat. No.**	Sizes Available	Pack Size	Price
SP-INT-#	S, M, L, XL	10 x 50	£133.78

**NEW ORDERING CODES / GLOVE SIZING CODES: To order required size, replace # as list digit of Cat. No. with:
XS for X-Small (5.5–6), S for Small (6.5–7), M for Medium (7.5–8), L for Large (8.5–9), XL for X-Large (9.5–10).
Please note that only the ordering / sizing codes will change during 2015 for the gloves on this page, all glove specifications will remain the same.

Nitrile Gloves

UltraSense®

PPE Cat. III Complex Design. AQL 1.5

Dark Blue Nitrile Glove. Powder-Free. Textured Fingers. Length: 240mm

Recommended for use when:

- Handling small instruments, where fit and feel is key
- Light tasks require excellent grip
- Performing extended or repetitive duties that may cause hand fatigue
- When your day to day duties require a glove that is resistant to tapes and adhesives

UltraSense™			
Cat. No.*	Sizes Available	Pack Size	Price
US-INT-#	XS, S, M, L, XL	10 x 100	£150.83

*To order required size, replace # as list digit of Cat. No. with: XS for X-Small, S for Small, M for Medium, L for Large, XL for X-Large.

UltraSense® PLUS

PPE Cat. III Complex Design. AQL 1.5. Extended Cuff

Dark Blue Nitrile Glove. Powder-Free. Textured Fingers. Length: 290mm

Recommended for use when:

- Strength and protection are of great importance
- Working in environments that demand consistent grip and reliability
- Increased protection is needed over the wrist and forearm for enhanced safety – extended cuff!
- When your day to day duties require a glove that is resistant to tapes and adhesives

UltraSense™ PLUS			
Cat. No.*	Sizes Available	Pack Size	Price
USP-INT-#	XS, S, M, L, XL	10 x 100	£190.18

*To order required size, replace # as list digit of Cat. No. with: XS for X-Small, S for Small, M for Medium, L for Large, XL for X-Large.

Chloroprene Gloves

NEOPRO®

PPE Cat. III Complex Design. AQL 1.5

Green Chloroprene Glove. Powder-Free. Textured Fingers. Length: 245mm

Recommended for use when:

- Contact with specific chemicals is a standard activity each day - NeoPro® provides excellent chemical splash protection!
- You require the strength of a synthetic and desire the comfort of latex
- Working in wet environments, where an enhanced grip and tactile sensitivity are essential
- A synthetic alternative to nitrile is required

EN455 Parts 1, 2 & 3

NEOPRO®			
Cat. No.*	Sizes Available	Pack Size	Price
NPG-INT-#	XS, S, M, L, XL	10 x 100	£165.26

*To order required size, replace # as list digit of Cat. No. with: XS for X-Small, S for Small, M for Medium, L for Large, XL for X-Large.

Latex Gloves

EN420 EN374-2: 2003 EN374-3: 2003

CE 0197

LEVEL 2 (AQL 1.5)

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: 245 mm. 100 Gloves per Box*

Recommended for use when:

- Durable comfort is required for lasting wear
- Working with blood-borne pathogens
- Secure and consistent grip is necessary for handling small instruments
- Tactile sensitivity is a must for working with a range of different instruments

Latex gloves provide the best elasticity in a disposable glove, as well as excellent barrier protection against blood-borne pathogens and other biohazards, water miscible substances, weak acids, and alkalis (pH 4–10).

Secure, latex grip

Latex gloves are ideal for work with small instruments. StarGuard® TOUCH are fully textured for a secure, consistent grip with the tactile sensitivity of latex.

StarGuard® TOUCH				
Cat. No	Description	Size	Pack Size	List 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

Fully textured
for a secure grip

Latex Gloves

DIAMOND GRIP PLUS®

PPE Cat. III Complex Design. AQL 1.5

Natural Latex Glove. Powder-Free. Fully Textured. Length: 245mm

Recommended for use when:

- Durable comfort is required for lasting wear
- Working with blood-borne pathogens
- Consistent grip is necessary for handling small instruments on a day to day basis
- Tactile sensitivity is important when working with a number of different instruments

DIAMOND GRIP PLUS™			
Cat. No.*	Sizes Available	Pack Size	Price
DGP-INT-#	XS, S, M, L, XL	10 x 100	£94.43

*To order required size, replace # as list digit of Cat. No. with: XS for X-Small, S for Small, M for Medium, L for Large, XL for X-Large.

SYNETRON® PLUS

MDD 93/42/EEC, Class 1. AQL 1.5. Extended Cuff

Natural Latex Glove. Powder-Free. Textured Fingers. Length: 290mm

Recommended for use when:

- Increased protection is required over the wrist – extended cuff!
- Working with blood-borne pathogens
- A thicker glove is needed

EN455 Parts 1, 2 & 3

SYNETRON® PLUS			
Cat. No.*	Sizes Available	Pack Size	Price
SYP-INT-#	S, M, L, XL	10 x 50	£91.98

*To order required size, replace # as list digit of Cat. No. with: S for Small, M for Medium, L for Large, XL for X-Large.

Wire Glove Dispenser

Wire Glove Dispenser

Free up your valuable bench space by keeping your gloves tidy in this wall-mounted dispenser. The epoxy-coated steel wire rack holds three boxes of gloves and is suitable for use with most brands and sizes of box.

Glove Dispenser			
Cat. No.	Description	Pack Size	Price
E3099-3100	Wire Glove Dispenser	1	£30.29

Supplied with screws for wall mounting.

Chemgene Disinfectant

New!

	Concentrate			Ready to Use Spray		Cloth Wipes
Packaging:	1 Litre Self-Dosing Bottle	5 Litre Pump Container*	5 Litre Pump Container*	750 ml Trigger Bottle	750 ml Trigger Bottle	Dispensing Drum of 100 Wipes
Formulation:	Clear, Unfragranced	Clear, Unfragranced	Blue, Eucalyptus	Clear, Unfragranced	Blue, Eucalyptus	Clear, Unfragranced
Solution:	100%	100%	100%	1:20	1:20	1:20
CASE Ordering Info:	XTM305-C £114.47 / 6 bottles	XTM309-C £249.83 / 4 bottles	XTM308-C £249.83 / 4 bottles	XTM301-C £51.10 / 6 bottles	XTM302-C £51.10 / 6 bottles	XTM353-C £83.28 / 10 drums
PACK Ordering 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 the 5 Litre Containers are supplied separately:** Cat. No: TR021. 7.39 Each

Leading edge biosecurity technology

CHEMGENE HLD4L high level 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 HLD4L 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.

- Biodegradable
- Non-corrosive
- Long shelf life! Diluted concentrate has a shelf life of up to 6 months
- Compliant with REACH regulations and the Biocidal Product Directive

Laboratory applications

CHEMGENE HLD4L is ideal for cleaning laboratory benches, shelves, floors, fridges and most laboratory equipment, including pipettes, centrifuges, water baths, discard jars and non-critical devices.

- 1:100 General intermediate risk use
- 1:50 High risk use
- 1:20 Use in the presence of blood and body spills and for use with tissue cultures and discard jars

Microbiological efficacy summary

Viruses
Adenovirus.
Canine parvovirus
Feline calcivirus.
Feline Innumodeficeincy Virus.
Feline Infectious Peritonitis Virus.
Hepatitis B.
Herpes simplex.
HIV.
Norovirus.

Mycobacteria
Bacillus cereus.
Bacillus subtilis.
Clostridium difficile.
Mycobacterium avium.
Mycobacterium terrae.

Fungi
Aspergillus niger.
Candida albicans.
Microsporum canis.
Trichophyton rubrum.

Bacteria
Acinetobactor calcoaceticus.
Bordetella bronchiseptica.
Campylobacter jejuni.
Escherichia coli.
Enterococcus hirae.
Legionella pneumphila.
Listeria monocytogenes
MRSA and MRSP.
Pseudomonas aeruginosa.
Salmonella tuphimurium
Staphylococcus aureus.
Streptococcus equi.

FREE SAMPLE TRY before you BUY available on request

Efficacy for a surface disinfectant against **Mycobacterium Tuberculosis** in the medical area is undertaken using the protocol EN14348 (chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of mycobactericidal activity of chemical disinfectants in the medical area including instrument disinfectants). The standard test surrogate used in the efficacy test is Mycobacterium terrae.

HLD4 formulation proven to **denature DNA / RNA** according to independent test conducted by Cambridge University.

Statements of efficacy are available on:
Schizosaccharomyces pombe, Shigella and Spermatazoa.

Distel Disinfectant

Formerly known as Trigene Advance

	Concentrate			Ready to Use Spray	Cloth Wipes	
Packaging:	1 Litre Self-Dosing Bottle	5 Litre Pump Container*	5 Litre Pump Container*	500ml Trigger Bottle	Dispensing Drum of 100 Wipes	Individually Wrapped Sachets
Formulation:	Clear, Unfragranced	Clear, Unfragranced	Blue, Eucalyptus	Clear, Unfragranced	Clear, Unfragranced	Clear, Unfragranced
Solution:	100%	100%	100%	1:100	1:10	1:100
CASE Ordering 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 Ordering 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 the 5 Litre Containers are supplied separately:** **Cat. No: TR021. £7.39 Each**

Multi-purpose, multi-surface!

Distel® is an all purpose, multi-surface, non-alcohol base 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

FREE SAMPLE TRY before you BUY available on request

Applications

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

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

Microbiological efficacy summary

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

Mycobacteria
Mycobacterium fortuitum.
Mycobacterium terrae.

Fungi
Candida albicans.
Microsporum audioinii.
Trichophyton tonsurans.

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

STAR LAB

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
- Allows you to retrieve valuable samples

1. Spillages are easily cleared or retrieved

2. The Tray Liners lift off the Spill Tray... just stretch...

3. ...and roll up for disposal

4. Volume of waste is drastically reduced

Safety Spill Trays						Tray Liners		
	Cat. No.	Description	Size	Pack Size	Price	Cat. No.	Pack Size	Price
General Purpose Trays								
	E3446-2609	General Purpose Tray, White	450 x 250mm	1	£38.11	E3546-2600	25	£61.29
	E3454-3409	General Purpose Tray, White	530 x 330mm	1	£45.84	E3554-3400	25	£83.95
	E3457-5409	General Purpose Tray, White	570 x 540mm	1	£60.26	E3557-5400	25	£87.04
	E3468-5409	General Purpose Tray, White	670 x 530mm	1	£98.37	E3568-5400	25	£122.06
	E3470-4609	General Purpose Tray, White	690 x 450mm	1	£77.77	E3570-4600	25	£118.97
	E3411-3549	General Purpose Tray, White	1120 x 530mm	1	£98.37	E3511-3540	25	£138.54
Radiation Hazard Trays								
	E3446-2606	Radiation Hazard Trays, Yellow	450 x 250mm	1	£38.11	E3546-2600	25	£61.29
	E3454-3406	Radiation Hazard Trays, Yellow	530 x 330mm	1	£45.84	E3554-3400	25	£83.95
	E3468-5406	Radiation Hazard Trays, Yellow	670 x 530mm	1	£77.77	E3568-5400	25	£122.06
	E3411-3546	Radiation Hazard Trays, Yellow	1120 x 530mm	1	£94.25	E3511-3540	25	£138.54
Biohazard Trays								
	E3646-2609	Biohazard Trays, White	450 x 250mm	1	£72.62	E3546-2600	25	£61.29
	E3654-3409	Biohazard Trays, White	530 x 330mm	1	£43.67	E3554-3400	25	£83.95
	E3657-5409	Biohazard Trays, White	570 x 540mm	1	£57.17	E3557-5400	25	£87.04
	E3668-5409	Biohazard Trays, White	670 x 530mm	1	£72.62	E3568-5400	25	£122.06
	E3670-4609	Biohazard Trays, White	690 x 450mm	1	£72.62	E3570-4600	25	£118.97
	E3611-3549	Biohazard Trays, White	1120 x 530mm	1	£90.13	E3511-3540	25	£138.54

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.

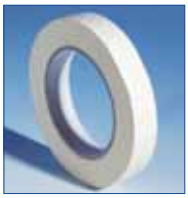
Disposable Sweet Jars			
Cat. No.	Description	Pack Size	Price
E1412-0000	Small (2.5L) PET Sweet Jar with PP Lid with Handle	30	£74.52
E1412-0001	Large (4.25L) PET Sweet Jar with PP Lid	31	£74.52

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

Autoclave bags

- Polypropylene bags for autoclaving up to 136ºC
- 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, 310mm x 660mm	200	£40.42
E3300-4070	Autoclave Bag, 415mm x 600mm	200	£44.24
E3300-6078	Autoclave Bag, 610mm x 810mm	200	£82.15



Autoclave tape

Autoclave Tape			
Cat. No.	Description	Pack Size	Price
E3300-0000	Autoclave Tape (50m x 18mm)	4	£25.28
E3300-0001	Autoclave Tape (50m x 25mm)	4	£28.39

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 120mm	25	£43.67
E3331-0020	Bag with Radiation Hazard Symbol, 290 x 210 x 210mm	25	£73.08
E3335-0015	Bag with Radiation Hazard Symbol, 330 x 120 x 120mm	25	£81.89
E3340-0025	Bag with Radiation Hazard Symbol, 370 x 210 x 240mm	25	£57.17
E3342-0030	Bag with Radiation Hazard Symbol, 400 x 490 x 270mm	25	£61.75
E3360-0035	Bag with Radiation Hazard Symbol, 610 x 280 x 280mm	25	£76.74

Self-Adhesive Radiation Hazard Labels			
Cat. No.	Description	Pack Size	Price
E3850-0015	Radiation Hazard Labels (Large: 50 x 50mm)	25	£14.31

Alphabetical Index

A

AirClean® PCR Cabinets 151–152
Alpha-Numeric Coded Tubes 70
Assay Plates 92
Autoclave Bags 163
Autoclave Tape 95, 163

B

Bijou Containers 74
Benchtop Coolers 125–126
Brady Label Cartridges 103–104
Brady Label Priner 103

C

Calibration, Pipettes 53–64
Capp® Multi-Channel Pipettes 48
Capp® Origami Reservoirs 96
Cardboard Storage Boxes 112–113
Cell Culture
- Dishes 107
- Flasks 110–111
- Plates 108–109

Cell Scrapers 97, 112
Centrifuges 149–150
Centrifuge Tubes 69
Chemgene Laboratory Disinfectant 164
Chloroprene Gloves 161
Chiller Racks 125
COMFORT, StarGuard® 158
Containers
- 5ml to 250ml 74–75
- Bijou 74
- Cooler 125
- Universal 75

CPA Requirements 57
Cryogenic Labels 100
Cryogenic Storage
- Canes 71
- Storage Racks 117–118
- Vials 71

Culture Tubes 74
Cuvettes 95
Cuvette Storage Box 118
CytoOne® Dishes 107
CytoOne® Flasks 110–111
CytoOne® Multiwell-Plates 108–109
CytoOne® Scrapers 97, 112

D

Dead Air Box 151–152
Deepwell Plates 87–90
Diamond Grip Plus® Latex Gloves 163
Dishes, Cell Culture 107
Disinfectant 160–161
Dispenser Tips 32
Disposal Products 167
Disposable Gloves 154–163
Distel Laboatory Disinfectant 165
Dry Bath Incubators 147–148

E

ErgoOne® Pipettes 44–47
Electronic Pipettes 49
Extended Length Tips 27

F

Filter Tips, TipOne® 22–23
Flasks, Cell Culture 110–111
Freezer Racking 128–133

G

Gel-Xtraction Tool 30
Gel-Loading Tips 30
Gloves
- Dispenser 163
- Chloroprene 161
- Latex 162–163
- Nitrile 156–161

H / I

Heat Sealing Films 94
Ice Bath / Floating Rack 126
ID Tape 102
ISO 15189 57

L

Label Printers & Labels 103–104
Laminar-Flow Cabinet 151–152
Large Volume Tips 28–29
Latex Gloves 162–163
Loops 97

M

Magnetic Stirrers 140
Microcentrifuge 149
Microcentrifuge Tubes 66–67
Microcentrifuge Tube Cap Locks 68
Microplate Mixer 144
Microplates
- Polypropylene 91
- Polystyrene 92

Microtube Openers 60
Microtube Pestles 66
Microtubes in Racks 69–70
Mixers 141–144

N / O

NeoPro® Chloroprene Gloves 161
Nitrile Gloves 156–161
Orbital Shaker 146

P

Parafillm 94
Pasteur Pipettes 98–98
PCR
- Cabinets 151–152
- Plate–Cycler Compatibility 84–85
- Plate–Sealing Overview 786
- Plates 80–92
- Seals & Foils 93–94
- Strips 77–79
- Tubes 76

Pestles, Microtube 68
Petri Dish Racks 127
Pipette Tips
- 384-Format 27
- Extended Length 27
- Gel-Loading 31
- Large Volume 28–29
- TipOne® 8–26
- Wide Orifice 30

Pipettes
- Aspiration 51
- Capp® 48
- Calibration & Servicing 53–64
- Electronic 49
- ErgoOne® 44–47
- ErgoOne® E 49
- ErgoOne® FAST 50
- Multi-Channel 48–49
- Pasteur 98–99
- Serological 51

FREE SAMPLE TRY before you BUY available on request

Alphabetical Index

Pipettes *cont.*
- Single-Channel 46, 49
- Spares 63–64
- Stands 47
- Training Sessions 62

Pipette Controller 50
Plate Centrifuge 150
Pipette Servicing 53–64
Plates
- Assay, Polypropylene 92
- Cell Culture 108–109
- Deepwell 88–90
- Freezer Racking 133
- Microplates, Polystyrene 92
- PCR 80–83
- PlateOne® Deepwell 77
- PlateOne® Microplates 92
- Sealing Accessories 93
- Seals & Foils 93–94

PROTECT, StarGuard® 156
PROTECT+, StarGuard® 157

R

Racks and Storage Boxes 112–124
Radiation Disposal Bags 167
Recycling 26
Repeat Dispenser Tips 32
RepeatOne® Dispenser 52
Reservoirs
- Reagent 96
- Robotic 42

Robot–Tip Compatibility 41
Robotic Tips
- for Beckman® 35–37
- for Packard® 38
- for Perkin Elmer® 39
- for Qiagen® 39
- for Tecan® 39–40

Rocking / Rocking 3D Shaker 145
Rotorgene® Style Tube Strips & Caps 79

S

Safety Spill Trays & Liners 166
Scrapers, Cell Culture 97, 112
Seal Applicators 93
Seals 93–94
Self-Adhesive
- Lab Labels 100–104
- Radiation Labels 167

SENSITIVE, StarGuard® 159
Serological Pipettes 51
Shakers 145–146
Slide
- Mailers 136
- Staining 136
- Storage Boxes & Trays 134–135

Spares
- for ErgoOne® Pipettes 63
- for ErgoOne® E Pipettes 63
- for Gilson® Pipettes 64

Scrapers 97
Screw Cap Microtubes 72–73
Smart Instruments 139–152
Spatulas 100
Spray, Disinfectant 164–165
Spreaders 97
Stainless Steel
- Storage 127
- Freezer Racking 128–133

StarChill 125
StarGuard® Gloves 156–159, 162
StarTags 101
Stirrers, Magnetic 140
Storage Boxes 112–118
Supreno® Nitrile Gloves 160
Supreno® Plus Nitrile Gloves 160
Sweet Jars, Disposable 167
Synetron® Plus Latex Gloves 163

T

Tape
- Autoclave 95, 163
- ID 102

TipOne®
- Pipette Tip System 8–26
- Recycling 26
- Tips 20–21
- Filter Tips 22–23
- TipOne® RPT 24–25
- TipOne® Repeat 32

TOUCH, StarGuard 162
Tube Roller 143
Tubes
- Centrifuge 69
- Cryogenic Vials 71
- Culture 74
- Microcentrifuge 66–67
- Microtubes in Racks 69–70
- PCR 76
- Preparation 68
- Screw Cap Microtubes 72–73
- Storage Racks 117–120
- TubeOne® 66

Training Sessions, Pipette 62
Transport Cases & Coolers 126

U

UKAS Pipette Servicing 60–61
UltraSense™ Nitrile Gloves 161
UltraSense™ Plus Nitrile Gloves 161
Universal Containers 75

V

Vortexers 141–142

W

Water Bath / Dry Bath Incubator 147–148
Weigh Boats 100
Wipes, Disinfectant 164–165
Wire Racks 122

X

Xceed™ Nitrile Gloves 160
Xtracta™ Gel Tool 30

FREE SAMPLE TRY before you BUY available on request

Index by Catalogue Number

93-833-L 156
93-833-M 156
93-833-S 156
93-833-XL 156
93-833-XS 156
93-843-L 156
93-843-M 156
93-843-S 156
93-843-XL 156
93-843-XS 156
93-853-L 156
93-853-M 156
93-853-S 156
93-853-XL 156

A

A1402-3700 78
A1402-3800 78
A9623-0000 114
A9623-0001 114
A9623-0002 114
A9623-0004 114
A9623-0006 114
A9623-1601 114
A9623-1602 114
A9623-1604 114
A9623-1606 114
A9623-1616 114
A9623-2525 114
A9623-3100 114
A9623-3101 114
A9623-3102 114
A9623-3104 114
A9623-3106 114
A9623-4901 114
A9623-4902 114
A9623-4904 114
A9623-4906 114
A9623-4949 114
A9623-8101 114
A9623-8102 114
A9623-8104 114
A9623-8106 114
A9623-8181 114
A9625-0000 115
A9625-0001 115
A9625-0002 115
A9625-0004 115
A9625-0006 115
A9625-1601 115
A9625-1602 115
A9625-1604 115
A9625-1606 115
A9625-1616 115
A9625-2501 115
A9625-2502 115
A9625-2504 115
A9625-2506 115
A9625-2525 115
A9625-3100 115
A9625-3101 115
A9625-3102 115
A9625-3104 115
A9625-3106 115
A9625-4901 115
A9625-4902 115
A9625-4904 115
A9625-4906 115
A9625-4949 115
A9625-8101 115
A9625-8102 115
A9625-8104 115
A9625-8106 115
A9625-8181 115
A9627-0000 115
A9627-0001 115
A9627-0002 115
A9627-0004 115
A9627-0006 115
A9627-1601 115
A9627-1602 115
A9627-1604 115
A9627-1606 115
A9627-1616 115
A9627-2501 115
A9627-2502 115
A9627-2504 115
A9627-2506 115
A9627-2525 115
A9627-3100 115
A9627-3101 115
A9627-3102 115
A9627-3104 115
A9627-3106 115
A9627-4901 115
A9627-4902 115
A9627-4904 115
A9627-4906 115
A9627-4949 115
A9627-8101 115
A9627-8102 115
A9627-8104 115
A9627-8106 115
A9627-8181 115
A9632-0000 114
A9632-0001 114
A9632-0002 114
A9632-0004 114
A9632-0006 114
A9632-1961 114
A9632-1962 114
A9632-1964 114
A9632-1966 114
A9632-1969 114
A9632-2561 114
A9632-2562 114
A9632-2564 114
A9632-2566 114
A9632-2569 114
A9650-0000 115
A9650-0001 115
A9650-0002 115
A9650-0004 115
A9650-0006 115
A9650-1361 115
A9650-1362 115
A9650-1364 115
A9650-1366 115
A9650-1369 115

B

B1402-0595 80
B1494-1024 87
B1494-1124 87
B1494-1224 ..... 87, 91

C

C-10-48 48
C-10-64 48
C8134-1001 ..... 46, 61
C8234-1001 ..... 46, 61
C8334-1001 ..... 46, 61
CA-40505 96
CA-40510 96
CC7600-0220 ..... 97, 112
CC7600-0250 ..... 97, 112
CC7600-0320 ..... 97, 112
CC7672-3340 107
CC7672-3359 107
CC7672-3394 107
CC7672-3614 107
CC7672-4175 110
CC7672-4225 110
CC7672-4325 110
CC7672-4415 110
CC7672-7506 109
CC7672-7512 109
CC7672-7524 109
CC7672-7548 109
CC7672-7596 109
CC7682-3340 107
CC7682-3359 107
CC7682-3394 107
CC7682-3614 107
CC7682-4175 110
CC7682-4225 110
CC7682-4325 110
CC7682-4415 110
CC7682-4815 111
CC7682-4822 111
CC7682-4825 111
CC7682-4875 111
CC7682-7506 109
CC7682-7512 109
CC7682-7524 109
CC7682-7548 109
CC7682-7596 109

D

DGP-INT-L 163
DGP-INT-M 163
DGP-INT-S 163
DGP-INT-XL 163
DGP-INT-XS 163

E

E1009-5000 28
E1009-5700 28
E1009-5718 28
E1009-7000 28
E1009-7001 28
E1011-0921 27
E1011-1002 27
E1011-1008 27
E1011-1430 27
E1011-5000 30
E1011-5100 30
E1011-5110 30
E1011-8000 30
E1011-9000 30
E1011-9601 30
E1011-9611 30
E1011-9618 30
E1021-0618 31
E1022-0008 31
E1042-2350 83
E1042-2500 83
E1042-3000 83
E1042-3840 83
E1042-3840-BC 81
E1042-3849 83
E1042-9900-BC 81
E1042-9909 83
E1075-3700 35
E1075-3700-C 35
E1075-3710 35
E1075-3710-C 35
E1076-0400 36
E1076-0400-C 36
E1076-0410 36
E1076-0410-C 36
E1076-0418 36
E1076-0418-C 36
E1076-0700 37
E1076-0700-C 37
E1076-0710 37
E1076-0710-C 37
E1076-0800 37
E1076-0800-C 37
E1076-0810 37
E1076-0810-C 37
E1076-2400 36
E1076-2400-C 36
E1076-2410 36
E1076-2410-C 36
E1076-2418 36
E1076-2418-C 36
E1076-4400 36
E1076-4400-C 36
E1076-4410 36
E1076-4410-C 36
E1076-4418 36
E1076-4418-C 36
E1076-4700 37
E1076-4710 37
E1076-4710-C 37
E1076-4800 37
E1076-4800-C 37
E1076-4810 37
E1076-4810-C 37
E1078-2400 39
E1078-2400-C 39
E1078-5400 39
E1078-5400-C 39
E1078-6418 39
E1078-6418-C 39
E1172-1418 39
E1172-1418-C 39
E1173-2418 39
E1173-2418-C 39
E1250-0000 28
E1250-0700 28
E1250-0710 28
E1250-0718 28
E1400-2099 138
E1403-0000 80–83
E1403-0100 80
E1403-0200 80
E1403-0208 80
E1403-0209 80
E1403-1200 80
E1403-1208 80
E1403-1209 80
E1403-2200 81
E1403-3200 81
E1403-4200 81
E1403-5200 83
E1403-5200-BC 81
E1403-5208 83
E1403-5209 83
E1403-5300 83
E1403-6200 82
E1403-6209 82
E1403-7700 82
E1403-7709 82
E1403-8200 82
E1403-8200-BC 81
E1403-8209 82
E1405-0301 73
E1405-0302 73
E1405-0304 73
E1405-0306 73
E1405-0600 67
E1405-0610 67
E1405-2120 72
E1405-2127 72
E1405-2130 72
E1405-2140 72
E1405-2141 73
E1405-2142 73
E1405-2143 73
E1405-2600 67
E1405-5100 67
E1405-9000 68
E1410-1025 97
E1412-0000 167
E1412-0001 167
E1412-0111 97
E1412-0112 97
E1412-0710 74
E1412-0711 74
E1412-1000 75
E1412-1001 97
E1412-1005 97
E1412-1011 97
E1412-1012 97
E1412-1200 74
E1412-1500 75

Index by Catalogue Number

E1412-2500 75
E1412-3010 75
E1412-3011 75
E1412-3012 75
E1412-3020 75
E1412-3021 75
E1412-3022 75
E1412-4150 95
E1412-4160 95
E1412-4250 95
E1412-4450 95
E1412-4451 95
E1412-5012 97
E1412-6000 75
E1412-6004 75
E1412-6104 75
E1412-6200 74
E1412-6201 74
E1412-6300 74
E1412-7000 74
E1412-7100 75
E1412-7200 100
E1412-7201 100
E1412-7202 100
E1412-7203 100
E1412-7204 100
E1412-7205 100
E1414-0100 98
E1414-0110 98
E1414-0111 98
E1414-0300 98
E1414-0310 98
E1414-0311 98
E1414-0500 98
E1414-0700 98
E1414-1100 98
E1414-1300 98
E1414-1310 98
E1414-1311 98
E1414-2500 98
E1415-0200 69
E1415-0301 73
E1415-0302 73
E1415-0304 73
E1415-0306 73
E1415-0311 73
E1415-0312 73
E1415-0314 73
E1415-0316 73
E1415-0800 69
E1415-1500 67
E1415-1510 67
E1415-2210 72
E1415-2220 72
E1415-2227 72
E1415-2230 72
E1415-2231 73
E1415-2232 73
E1415-2233 73
E1415-2237 72
E1415-2240 72
E1415-2241 73
E1415-2242 73
E1415-2243 73
E1415-2600 67
E1415-2850 67
E1420-0302 73
E1420-0302 73
E1420-0304 73
E1420-0306 73
E1420-0311 73
E1420-0312 73
E1420-0314 73
E1420-0316 73
E1420-2000 67
E1420-2010 67
E1420-2320 72
E1420-2330 72
E1420-2331 73
E1420-2332 73
E1420-2333 73
E1420-2337 72
E1420-2340 72
E1420-2341 73
E1420-2342 73
E1420-2343 73
E1420-2347 72
E1420-2641 73
E1420-2850 67
E1420-5100 67
E1420-5108 67
E1450-0200 69
E1450-0500 69
E1450-0800 69
E1450-1000 68
E1450-1100 68
E1450-1101 68
E1450-1102 68
E1450-1104 68
E1450-1106 68
E1450-1108 68
E1480-0100 72
E1480-0101 72
E1480-0102 72
E1480-0103 72
E1480-0104 72
E1480-0105 72
E1480-0106 72
E1480-0107 72
E1480-0108 72
E1480-0109 72
E1480-0199 72
E1480-0200 72
E1480-0201 72
E1480-0202 72
E1480-0203 72
E1480-0204 72
E1480-0205 72
E1480-0206 72
E1480-0207 72
E1480-0208 72
E1480-0209 72
E1480-0299 72
E1480-0300 72
E1480-0301 72
E1480-0302 72
E1480-0303 72
E1480-0304 72
E1480-0305 72
E1480-0306 72
E1480-0309 72
E1480-0399 72
E1494-6001 71
E1494-6002 71
E1494-6003 71
E1494-6004 71
E1494-6005 71
E1494-6006 71
E1494-6007 71
E1494-6009 71
E1494-6099 71
E1494-6104 71
E1494-6108 71
E1500-0011-C 137
E1500-0012-C 137
E1500-0014-C 137
E1500-0016-C 137
E1500-0019-C 137
E1500-0021-C 137
E1500-0022-C 137
E1500-0024-C 137
E1500-0026-C 137
E1500-0029-C 137
E1500-0031-C 137
E1500-0032-C 137
E1500-0036-C 137
E1500-0038-C 137
E1500-0039-C 137
E1500-0041-C 138
E1500-0042-C 138
E1500-0044-C 138
E1500-0046-C 138
E1500-0048-C 138
E1500-0049-C 138
E1500-0058-C 138
E1500-0099-C 137
E1500-1001 136
E1500-1002 136
E1500-1008 136
E1500-1101 136
E1500-1102 136
E1500-1108 136
E1500-1201 136
E1500-1202 136
E1500-1208 136
E1500-1301 136
E1500-1302 136
E1500-1308 136
E1500-1401 136
E1500-1402 136
E1500-1408 136
E1500-2009 136
E1500-3009 136
E1500-4000 138
E1500-4099 138
E1702-8400 69
E1702-8410 69
E1703-9400 69
E1703-9410 69
E1710-0000 69
E1720-8000 69
E1730-9000 69
E1750-0400 69
E1750-0410 69
E1760-8400 69
E1760-8410 69
E1770-9400 69
E1770-9410 69
E1780-2100 70
E1780-2700 70
E1780-3100 70
E1780-3700 70
E1780-8400 ..... 70, 88
E1780-8500 70
E2005-5000 71
E2100-1100 116
E2100-1101 116
E2100-1102 116
E2100-1104 116
E2100-1108 116
E2100-5000 118
E2100-5001 118
E2100-5002 118
E2100-5004 118
E2100-5006 118
E2100-5008 118
E2200-1000 118
E2200-1008 118
E2300-5005 116
E2301-5309 120
E2305-6009 117
E2310-1000 96
E2310-1010 96
E2310-1025 96
E2310-1110 96
E2310-1200 96
E2310-1812 96
E2310-2000 96
E2313-1009 125
E2340-3099 123
E2340-4000 123
E2340-4041 123
E2340-4042 123
E2340-4043 123
E2340-4044 123
E2340-4046 123
E2344-1099 124
E2344-2099 126
E2345-1000 124
E2345-1041 124
E2345-1042 124
E2345-1043 124
E2345-1044 124
E2345-1046 124
E2345-1099 124
E2346-1000 124
E2346-1041 124
E2346-1042 124
E2346-1043 124
E2346-1044 124
E2346-1046 124
E2346-1099 124
E2347-1001 124
E2347-1002 124
E2347-1003 124
E2347-1004 124
E2347-1005 124
E2347-1099 124
E2349-5009 116
E2350-4001 120
E2350-4004 120
E2350-4005 120
E2350-5009 117
E2364-1000 121
E2364-1010 123
E2364-1011 123
E2364-1012 123
E2364-1013 123
E2364-1014 123
E2364-1015 123
E2364-1016 123
E2364-1018 123
E2364-1041 123
E2364-1042 123
E2364-1043 123
E2364-1044 123
E2364-1046 123
E2364-6048 123
E2364-6099 123
E2380-5000 121
E2380-5001 121
E2380-5008 121
E2380-5041 121
E2380-5042 121
E2380-5043 121
E2380-5044 121
E2380-5046 121
E2380-5048 121
E2381-5001 119
E2381-5002 119
E2381-5003 119
E2381-5004 119
E2381-5006 119
E2381-5099 119
E2382-5001 119
E2382-5002 119
E2382-5003 119
E2382-5004 119
E2382-5006 119
E2382-5099 119
E2382-6001 119
E2382-6002 119
E2382-6003 119
E2382-6004 119
E2382-6006 119
E2382-6099 119
E2383-5001 119
E2383-5002 119
E2383-5003 119
E2383-5004 119
E2383-5006 119
E2383-5099 119
E2384-1000 90
E2384-2000 90
E2384-2400 90
E2390-5000 121
E2396-0010 123
E2396-0011 123

Index by Catalogue Number

E2396-0012 123
E2396-0013 123
E2396-0014 123
E2396-0015 123
E2396-0016 123
E2396-0018 123
E2396-0041 123
E2396-0042 123
E2396-0043 123
E2396-0044 123
E2396-0046 123
E2396-0599 125
E2396-1515 122
E2396-1550 122
E2396-1612 122
E2396-1641 126
E2396-1642 126
E2396-1643 126
E2396-1644 126
E2396-1646 126
E2396-1650 122
E2396-1651 126
E2396-1652 126
E2396-1653 126
E2396-1654 126
E2396-1656 126
E2396-1712 122
E2396-1750 122
E2396-2004 127
E2396-2006 127
E2396-5240 125
E2396-5634 127
E2396-5636 127
E2396-5654 127
E2396-5656 127
E2396-6001 127
E2396-6002 127
E2396-6004 127
E2396-6008 127
E2396-7213 122
E2396-7216 122
E2396-9649 126
E2396-9659 126
E2396-9669 126
E2396-9691 126
E2396-9692 126
E2396-9693 126
E2396-9694 126
E2396-9696 126
E2396-9759 120
E2396-9769 121
E2396-9779 121
E2450-5000 117
E2450-5001 117
E2450-5002 117
E2450-5004 117
E2450-5006 117
E2450-5099 117
E2796-0714 93
E2796-0792 93
E2796-0793 93
E2796-0794 93
E2796-0796 93
E2796-3005 93
E2796-3015 93
E2796-3020 94
E2796-3060 94
E2796-3090 94
E2796-9792 93
E2796-9793 93
E2796-9795 93
E2824-0000 90
E2824-0001 90
E2848-0000 90
E2848-0001 90
E2848-5010 90
E2896-0110 88
E2896-0120 88
E2896-0210 89
E2896-0220 89
E2896-0320 88
E2896-0600 88
E2896-1100 ...88, 89, 92
E2896-1110 ...88, 89, 92
E2896-1200 89
E2896-1801 ..... 87, 89
E2896-1810 89
E2896-1820 89
E2896-2100 89
E2896-2110 89
E2896-2200 ...88, 89, 92
E2896-2500 89
E2896-2501 89
E2996-0500 92
E2996-0510 92
E2996-1500 92
E2996-1510 92
E2996-1600 92
E2996-1610 92
E2996-1700 92
E2996-1710 92
E2996-1800 92
E2996-1810 92
E2996-1900 92
E2996-1910 92
E2999-2112 42
E2999-2496 42
E2999-2908 42
E2999-2912 42
E2999-3208 42
E2999-8008 42
E2999-8412 42
E2999-8696 42
E3090-6212 71
E3090-6222 71
E3090-6242 71
E3090-6321 71
E3099-0000 47
E3099-0001 47
E3099-3100 163
E3110-6112 71
E3110-6121 71
E3110-6122 71
E3110-6131 71
E3110-6132 71
E3110-6141 71
E3110-6142 71
E3300-0000 167
E3300-0000 95
E3300-0001 167
E3300-0001 95
E3300-0010 100
E3300-0011 100
E3300-0025 100
E3300-0030 100
E3300-0050 100
E3300-0070 100
E3300-3166 167
E3300-3166 95
E3300-4070 167
E3300-4070 95
E3300-6078 167
E3300-6078 95
E3317-0010 167
E3331-0020 167
E3335-0015 167
E3340-0025 167
E3342-0030 167
E3360-0035 167
E3411-3546 166
E3411-3549 166
E3446-2606 166
E3446-2609 166
E3454-3406 166
E3454-3409 166
E3457-5409 166
E3468-5406 166
E3468-5409 166
E3470-4609 166
E3511-3540 166
E3546-2600 166
E3554-3400 166
E3557-5400 166
E3568-5400 166
E3570-4600 166
E3611-3549 166
E3646-2609 166
E3654-3409 166
E3657-5409 166
E3668-5409 166
E3670-4609 166
E3840-3000 27
E3840-3010 27
E3840-5110 27
E3850-0015 167
E4860-0100 51
E4860-0111 51
E4860-0200 51
E4860-0211 51
E4860-0500 51
E4860-0511 51
E4860-1000 51
E4860-1011 51
E4860-1211 51
E4860-2500 51
E4860-2511 51
E4860-5012-C 51
E8800-0500 48
E8800-0600 48
E9025-1650 118
E9025-3615 118
E9026-0000 102
E9026-2005 102
E9055-1270 102
E9055-1271 102
E9055-1272 102
E9055-1273 102
E9055-1274 102
E9055-1275 102
E9055-1276 102
E9055-1278 102
E9055-1279 102
E9055-1910 102
E9055-1911 102
E9055-1912 102
E9055-1913 102
E9055-1914 102
E9055-1915 102
E9055-1916 102
E9055-1918 102
E9055-1919 102
E9055-2500 102
E9055-2501 102
E9055-2502 102
E9055-2503 102
E9055-2504 102
E9055-2505 102
E9055-2506 102
E9055-2508 102
E9055-2509 102
E9127-1270 102
E9127-1271 102
E9127-1272 102
E9127-1273 102
E9127-1274 102
E9127-1275 102
E9127-1276 102
E9127-1278 102
E9127-1279 102
E9127-1910 102
E9127-1911 102
E9127-1912 102
E9127-1913 102
E9127-1914 102
E9127-1915 102
E9127-1916 102
E9127-1918 102
E9127-1919 102
E9127-2500 102
E9127-2501 102
E9127-2502 102
E9127-2503 102
E9127-2504 102
E9127-2505 102
E9127-2506 102
E9127-2508 102
E9127-2509 102
E9127-2940 93
E9185-0001 101
E9185-0002 101
E9185-0003 101
E9185-0004 101
E9185-0006 101
E9185-0009 101
E9185-0509 101
E9185-2240 101
E9186-9987 101
E9187-1009 101
E9187-2016 101
E9188-1009 101
E9188-8699 101
E9189-0099 ..... 71, 100
E9189-3009 ..... 71, 100
E9199-0000 101

G

G8965-8000 47
G9001-0010 49
G9001-0020 49
G9001-0200 49
G9001-1000 49
G9001-5000 49
G9008-0010 49
G9008-0020 49
G9008-0100 49
G9008-0300 49
G9012-0010 49
G9012-0020 49
G9012-0100 49
G9012-0300 49
G9908-1200 49
G9912-1200 49
G9999-1000 49
G9999-1001 ..... 47, 49
G9999-1002 ..... 47, 49
G9999-1003 ..... 47, 49
G9999-1004 ..... 47, 49
G9999-1005 49
G9999-1006 49
G9999-1007 49
G9999-1008 49

I

I1008-9000 28
I1010-3000 31
I1010-3600 31
I1010-3610 31
I1010-3800 31
I1011-0020 27
I1011-0830 27
I1011-0920 27
I1011-2600 31
I1011-3000 27
I1011-3010 27
I1011-4600 31
I1011-5830 27
I1011-8000 30
I1012-2600 31
I1012-3600 31
I1012-3610 31
I1012-4600 31
I1012-6400 28

Index by Catalogue Number

I1012-6410 28
I1022-0000 31
I1022-0600 31
I1022-0610 31
I1022-0810 31
I1022-2600 31
I1022-4600 31
I1026-7810 27
I1050-0000 29
I1050-0700 29
I1050-0710 29
I1050-0728 29
I1052-0000 29
I1052-0001 29
I1052-0010 29
I1052-0028 29
I1053-0000 28
I1053-0700 28
I1053-0710 28
I1053-0728 28
I1054-0000 29
I1054-0001 29
I1054-0011 29
I1054-0028 29
I1060-2400 35
I1060-2400-C 35
I1060-2410 35
I1060-2410-C 35
I1060-5410 35
I1060-5410-C 35
I1060-5810 35
I1060-5810-C 35
I1062-0400 35
I1062-0400-C 35
I1062-0410 35
I1062-0410-C 35
I1400-0800 77
I1400-0808 77
I1400-0900 77
I1400-1008 68
I1400-1200 77
I1400-1208 77
I1400-1290 77
I1402-0400 79
I1402-1200 77
I1402-1208 77
I1402-2700 78
I1402-2800 78
I1402-2900 78
I1402-2908 78
I1402-3500 77
I1402-3508 77
I1402-3509 77
I1402-3700 79
I1402-3800 79
I1402-4300 76
I1402-4308 76
I1402-4700 77
I1402-5700 77
I1402-6700 77
I1402-8100 76
I1402-8108 76
I1402-8200 76
I1402-9700 82
I1402-9708 82
I1402-9709 82
I1402-9799 82
I1402-9800 82
I1402-9800-BC 81
I1402-9809 82
I1402-9909 82
I1402-9909-BC 81
I1405-1500 67
I1405-4390 68
I1405-8100 76
I1405-8108 76
I1405-8200 76
I1409-2700 79
I1409-3700 79
I1409-3800 79
I1409-4700 ..... 77, 79
I1409-5700 ..... 77, 79
I1412-7400 70
I1412-7410 70
I1415-1000 67
I1415-1508 68
I1415-5100 67
I1415-5390 68
I1420-2600 67
I1420-2700 67
I1485-0810 74
I1485-2810 74
I1494-1400 70
I1494-1410 70
I2310-5800 117
I2310-5841 117
I2310-5842 117
I2310-5843 117
I2310-5844 117
I2310-5846 117
I2310-5848 117
I2312-2720 128
I2312-2721 128
I2324-5000 128
I2344-1000 125
I2344-1040 125
I2349-1025 116
I2350-5800 117
I2350-5841 117
I2350-5842 117
I2350-5843 117
I2350-5844 117
I2350-5846 117
I2350-5848 117
I2381-1025 ..... 116, 120
I2381-2305 120
I2381-5040 116
I2381-5041 116
I2381-5042 116
I2381-5043 116
I2381-5044 116
I2381-5046 116
I2381-5048 116
I2381-5049 116
I2396-5048 123
I2396-5099 123
I2510-5005 120
I2602-1000 134
I2602-1100 134
I2602-1200 134
I2602-1300 134
I2602-1325 135
I2602-3000 134
I2602-3081 135
I2602-3300 130
I2602-3400 130
I2602-3500 130
I2602-4081 135
I2602-4300 130
I2602-4400 130
I2602-4500 130
I2602-4600 130
I2602-4700 130
I2602-5000 134
I2602-5081 135
I2602-5300 130
I2602-5400 130
I2602-5500 130
I2602-5600 130
I2602-6000 134
I2602-6081 135
I2602-7000 134
I2602-8000 134
I2602-9000 134
I2610-0800 131
I2610-0920 131
I2610-1200 131
I2610-1220 131
I2610-1500 131
I2610-1620 131
I2610-1800 135
I2610-1900 135
I2610-2000 135
I2610-2100 135
I2610-2200 135
I2611-1200 131
I2611-1500 131
I2611-1600 131
I2611-2000 131
I2611-2100 131
I2611-2400 131
I2612-1000 134
I2612-1100 134
I2612-1200 134
I2612-1300 134
I2612-3000 134
I2612-3300 130
I2612-3400 130
I2612-3500 130
I2612-4300 130
I2612-4400 130
I2612-4500 130
I2612-4600 130
I2612-4700 130
I2612-5000 134
I2612-5300 130
I2612-5400 130
I2612-5500 130
I2612-5600 130
I2612-6000 134
I2612-7000 134
I2612-8000 134
I2612-9000 134
I2613-1000 134
I2613-1100 134
I2613-1200 134
I2613-1300 134
I2613-3000 134
I2613-5000 134
I2613-6000 134
I2613-7000 134
I2613-8000 134
I2613-9000 134
I2615-1000 132
I2615-2600 132
I2615-3600 132
I2615-5000 132
I2632-3300 131
I2632-3400 131
I2632-3500 131
I2632-4300 131
I2632-4400 131
I2632-4500 131
I2632-4600 131
I2632-4700 131
I2632-5300 131
I2632-5400 131
I2632-5500 131
I2632-5600 131
I2650-2600 132
I2650-3600 132
I2652-1120 133
I2652-2000 133
I2652-3000 133
I2652-4500 133
I2652-7800 133
I2653-1120 133
I2653-2000 133
I2653-3000 133
I2653-4500 133
I2653-4800 133
I2653-6000 133
I2653-7800 133
I2662-1120 133
I2662-2000 133
I2662-3000 133
I2662-4500 133
I2662-7800 133
I2670-1680 132
I2670-1760 132
I2670-1848 132
I2670-1936 132
I2670-2100 132
I2670-2200 132
I2670-2310 132
I2670-2420 132
I2670-2940 132
I2670-3080 132
I2670-3234 132
I2670-3388 132
I2671-0030 129
I2671-0057 129
I2671-0060 129
I2671-2825 129
I2671-2830 129
I2671-3911 129
I2671-3912 129
I2671-3913 129
I2671-3914 129
I2671-3915 129
I2671-3916 129
I2671-3921 132
I2671-3922 132
I2671-3923 132
I2671-3924 132
I2671-3925 132
I2671-5013 129
I2671-5018 129
I2671-5020 129
I2671-7211 129
I2671-7814 129
I2672-7811 129
I2672-7812 129
I2672-7813 129
I2672-7814 129
I2672-7815 129
I2672-7816 129
I2672-7821 132
I2672-7822 132
I2672-7823 132
I2672-7824 132
I2672-7825 132
I2928-7355 93
I3080-1038 94
I3080-1075 94
I3080-1075 94
I3080-5075 94
I3080-5075 94
I6308-1515 128
I6342-4270 128
I6348-1515 128
I9023-1615 115
I9023-1650 115

N

N0072-4619 104
N0074-4619 104
N0081-4889 104
N0082-4993 104
N0082-4996 104
N0082-4999 104
N0086-4619 104
N0097-4889 104
N0108-4619 104
N0117-4999 104
N0118-4999 104
N0119-4619 104
N2000-0025 30
N2000-0100 30
N2400-0001 142
N2400-1001 142
N2400-1002 142

Index by Catalogue Number

N2400-1004 142
N2400-1005 142
N2400-1006 142
N2400-1008 142
N2400-2010 140
N2400-3010 140
N2400-3011 140
N2400-4001 148
N2400-4002 148
N2400-4020 147
N2400-4021 147
N2400-4022 147
N2400-4023 147
N2400-4024 147
N2400-4025 147
N2400-4026 147
N2400-4100 148
N2400-4101 148
N2400-4102 148
N2400-4103 148
N2400-4104 148
N2400-4105 148
N2400-4106 148
N2400-4107 148
N2400-4108 148
N2400-6011 141
N2400-6012 .... 141, 144
N2400-6013 .... 141, 144
N2400-6014 141
N2400-6015 141
N2400-6110 141
N2400-7010 143
N2400-8010 145
N2400-8011 .... 145, 146
N2400-8020 145
N2400-8021 .... 145, 146
N2400-8030 146
N2400-8040 144
N2400-8041 144
N2400-8042 144
N2400-8043 144
N2520-3200 152
N2520-4800 152
N2530-1500 152
N2530-8200 152
N2530-8300 152
N2540-8400 152
N2540-8500 152
N2631-0007 149
N2631-0008 150
N2631-0018 150
N3000-0000 103
N3000-0001 103
N3000-0001 150
N3795-4391 103
N3795-4399 103
N3795-4619 103
N3795-4889 103
N3795-4999 103
N3795-7425 103
N3942-7000 152
N3942-7500 152
N3952-7018 152
N3952-7518 152
N5127-4619 103
N5127-4889 103
N5127-4999 103
N5127-7425 103
N7519-4619 103
N7519-4889 103
N7519-4999 103
N7519-7425 103
NPG-INT-L 161
NPG-INT-M 161
NPG-INT-S 161
NPG-INT-XL 161
NPG-INT-XS 161

P

P1112-0021 64
P1112-0101 64
P1112-0201 64
P1112-1001 64
P1112-1101 64
P1112-1501 64
P1112-2001 64
P1122-0021 64
P1122-0101 64
P1122-0201 64
P1122-1001 64
P1122-1101 64
P1122-1501 64
P1122-2001 64
P1132-0021 64
P1132-0101 64
P1132-0201 64
P1132-1001 64
P1132-1101 64
P1132-2001 64
P1142-0021 64
P1142-0101 64
P1142-0201 64
P1142-1001 64
P1142-1101 64
P1142-2001 64
P1151-0021 64
P1151-0101 64
P1151-0201 64
P1151-1001 64
P1151-1101 64
P1151-2001 64
P1162-0001 64
P1191-5000-C 64
P2031-3101 63
P2031-3101 63
P2041-3001 63
P2311-1001-C 63
P2311-1101-C 63
P2311-2001-C 63
P2331-0021 63
P2331-0101 63
P2331-0201 63
P2331-0211 63
P2331-1001 63
P2331-1101 63
P2331-1501 63
P2331-2001 63
P2351-0021 63
P2351-0101 63
P2351-0211 63
P2351-1001 63
P2351-1101 63
P2351-1501 63
P2351-2001 63
P2391-1001 63
P2391-1501-C 63
P2421-1001-C 63
P4021-0101-C 63
P4031-0101 63
P4031-0201 63
P7111-0101-C 63
P7111-0201-C 63
P7111-1001-C 63
P7111-3001-C 63
P7121-1301-C 63
P7131-1001 63
P7131-1001 63
P7141-0101 63
P7141-0111 63
P7141-0201 63
P7141-0211 63
P7141-1001 63
P7141-1011 63
P7141-1501 63
P7141-1511 63
P7141-2111 63
P7151-0101 63
P7151-0111 63
P7151-0201 63
P7151-0211 63
P7151-1101 63
P7151-1111 63
P7151-2001 63
P7151-2111 63
P7166-6002 50
P7166-6103 50
P7166-6109 50
P7166-6402 50
P7166-6501 50
P7166-6605 50
P7166-6800 50
P7166-6904 50
P7181-0201 63
P7181-1101 63
P7181-2001 63
P7191-0001 63
P7191-0201 63
P7191-1101 63
P7191-1231-C 63
P7191-1501 63
P7191-1501 63
P7191-2001 63

R

R1028-0810 ..... 38, 40
R1028-0819 ..... 38, 40
R1028-2810 ..... 38, 40
R1028-2819 ..... 38, 40
R1028-3810 ..... 38, 40
R1028-3819 ..... 38, 40
R1028-5810 ..... 38, 40
R1028-5819 ..... 38, 40
R1081-0700 ..... 38, 40
R1081-0709 ..... 38, 40
R1081-2700 ..... 38, 40
R1081-2709 ..... 38, 40
R1081-3700 ..... 38, 40
R1081-3709 ..... 38, 40
R1081-5700 ..... 38, 40
R1081-5709 ..... 38, 40
R1128-0810 ..... 38, 40
R1128-0819 ..... 38, 40
R1128-2810 ..... 38, 40
R1128-2819 ..... 38, 40
R1128-3810 ..... 38, 40
R1128-3819 ..... 38, 40
R1128-5810 ..... 38, 40
R1128-5819 ..... 38, 40
R1181-0700 ..... 38, 40
R1181-0709 ..... 38, 40
R1181-2700 ..... 38, 40
R1181-2709 ..... 38, 40
R1181-3700 ..... 38, 40
R1181-3709 ..... 38, 40
R1181-5700 ..... 38, 40
R1181-5709 ..... 38, 40

S

S0000-1002 ..... 21, 23
S1110-3000 20
S1110-3000-C 20
S1110-3700 21
S1110-3700-C 21
S1110-3800 20
S1110-3800-C 20
S1110-3810 20
S1110-3810-C 20
S1110-9000 20
S1110-9000-C 20
S1110-9700 21
S1110-9700-C 21
S1110-9800 20
S1110-9800-C 20
S1110-9810 20
S1110-9810-C 20
S1111-0000 20
S1111-0000-C 20
S1111-0006 20
S1111-0006-C 20
S1111-0200 21
S1111-0200-C 21
S1111-0206 21
S1111-0206-C 21
S1111-0210 21
S1111-0210-C 21
S1111-0700 21
S1111-0700-C 21
S1111-0706 21
S1111-0706-C 21
S1111-0800 20
S1111-0800-C 20
S1111-0806 20
S1111-0806-C 20
S1111-0810 20
S1111-0810-C 20
S1111-0816 20
S1111-0816-C 20
S1111-1000 20
S1111-1000-C 20
S1111-1006 20
S1111-1006-C 20
S1111-1200 21
S1111-1200-C 21
S1111-1206 21
S1111-1206-C 21
S1111-1210 21
S1111-1210-C 21
S1111-1700 21
S1111-1700-C 21
S1111-1706 21
S1111-1706-C 21
S1111-1800 20
S1111-1800-C 20
S1111-1806 20
S1111-1806-C 20
S1111-1810 20
S1111-1810-C 20
S1111-1816 20
S1111-1816-C 20
S1111-3000 20
S1111-3000-C 20
S1111-3200 21
S1111-3200-C 21
S1111-3210 21
S1111-3210-C 21
S1111-3700 21
S1111-3700-C 21
S1111-3800 20
S1111-3800-C 20
S1111-3810 20
S1111-3810-C 20
S1111-6000 20
S1111-6000-C 20
S1111-6001 20
S1111-6001-C 20
S1111-6700 21
S1111-6700-C 21
S1111-6701 21
S1111-6701-C 21
S1111-6800 20
S1111-6800-C 20
S1111-6801 20
S1111-6801-C 20
S1111-6810 20
S1111-6810-C 20
S1111-6811 20
S1111-6811-C 20
S1112-1020 20
S1112-1020-C 20
S1112-1720 21
S1112-1720-C 21
S1112-1820 20

Index by Catalogue Number

S1112-1820-C 20
S1112-1830 20
S1112-1830-C 20
S1113-1000 20
S1113-1000-C 20
S1113-1006 20
S1113-1006-C 20
S1113-1200 21
S1113-1200-C 21
S1113-1206 21
S1113-1206-C 21
S1113-1216 21
S1113-1216-C 21
S1113-1700 21
S1113-1700-C 21
S1113-1706 21
S1113-1706-C 21
S1113-1800 20
S1113-1800-C 20
S1113-1806 20
S1113-1806-C 20
S1113-1810 20
S1113-1810-C 20
S1113-1816 20
S1113-1816-C 20
S1120-1710 23
S1120-1710-C 23
S1120-1740 23
S1120-1740-C 23
S1120-1810 23
S1120-1810-C 23
S1120-1840 23
S1120-1840-C 23
S1120-2710 23
S1120-2710-C 23
S1120-2810 23
S1120-2810-C 23
S1120-3710 23
S1120-3710-C 23
S1120-3810 23
S1120-3810-C 23
S1120-8710 23
S1120-8710-C 23
S1120-8810 23
S1120-8810-C 23
S1120-9710 23
S1120-9710-C 23
S1120-9810 23
S1120-9810-C 23
S1121-2710 23
S1121-2710-C 23
S1121-3810 23
S1121-3810-C 23
S1122-1730 23
S1122-1730-C 23
S1122-1830 23
S1122-1830-C 23
S1123-1710 23
S1123-1710-C 23
S1123-1740 23
S1123-1740-C 23
S1123-1810 23
S1123-1810-C 23
S1123-1840 23
S1123-1840-C 23
S1160-3700 25
S1160-3700-C 25
S1160-3800 25
S1160-3800-C 25
S1160-9700 25
S1160-9700-C 25
S1160-9800 25
S1160-9800-C 25
S1161-1700 25
S1161-1700-C 25
S1161-1720 25
S1161-1720-C 25
S1161-1800 25
S1161-1800-C 25
S1161-1820 25
S1161-1820-C 25
S1161-3700 25
S1161-3700-C 25
S1163-1700 25
S1163-1700-C 25
S1163-1800 25
S1163-1800-C 25
S1180-1710 25
S1180-1710-C 25
S1180-1740 25
S1180-1740-C 25
S1180-1810 25
S1180-1810-C 25
S1180-1840 25
S1180-1840-C 25
S1180-3710 25
S1180-3710-C 25
S1180-3810 25
S1180-3810-C 25
S1180-8710 25
S1180-8710-C 25
S1180-8810 25
S1180-8810-C 25
S1180-9710 25
S1180-9710-C 25
S1181-3710 25
S1181-3710-C 25
S1181-3810 25
S1181-3810-C 25
S1182-1730 25
S1182-1730-C 25
S1182-1830 25
S1182-1830-C 25
S1183-1710 25
S1183-1710-C 25
S1183-1740 25
S1183-1740-C 25
S1183-1810 25
S1183-1810-C 25
S1183-1840 25
S1183-1840-C 25
S1602-2900 78
S1602-4300 76
S1605-0000 66
S1605-0099 66
S1615-5500 66
S1615-5510 66
S1615-5550 66
S1615-5599 66
S1620-2700 66
S1620-2799 66
S1830-9600 91
S1830-9610 91
S1833-9600 91
S1833-9610 91
S1837-9600 91
S1837-9610 91
S1884-2000 87
S1884-2400 87
S1884-2410 87
S1896-1000 87
S1896-1110 87
S1896-1800 87
S1896-2000 87
S1896-2110 87
S1896-2800 87
S1896-5000 87
S1896-5110 87
S1896-5800 87
S4026-1500 52
S4026-5806 96
S4751-0010 32
S4751-0050 32
S4751-0100 32
S4751-0250 32
S4751-0500 32
S4751-1000 32
S4751-2500 32
S4751-5000 32
S4756-2500 32
S4756-5000 32
S4761-0010 32
S4761-0050 32
S4761-0100 32
S4761-0250 32
S4761-0500 32
S4761-1000 32
S4761-2500 32
S4761-5000 32
S4765-2500 32
S4765-5000 32
S5000-7000 26
S5000-7100 26
S5000-7200 26
S5000-7300 26
S5000-7600 26
S7100-0125 46
S7100-0220 46
S7100-0221 46
S7100-0510 46
S7100-1100 46
S7100-2200 46
S7108-0510 47
S7108-1100 47
S7108-3300 47
S7110-1000 46
S7112-0510 47
S7112-1100 47
S7112-3300 47
S7150-5000 46
S7166-0010 50
S7200-0000 47
S9999-1002 ..... 21, 23
SG-C-L 158
SG-C-M 158
SG-C-S 158
SG-C-XL 158
SG-C-XS 158
SG-N-L 159
SG-N-M 159
SG-N-S 159
SG-N-XL 159
SG-N-XS 159
SG-P-L 156
SG-P-M 156
SG-P-S 156
SG-P-XL 156
SG-P-XS 156
SG-T-L 162
SG-T-M 162
SG-T-S 162
SG-T-XL 162
SG-T-XS 162
SG-X-L 157
SG-X-M 157
SG-X-S 157
SG-X-XL 157
SL02-16AZ 48
SL02-FZ-2 48
SL10-12AZ 48
SL10-16AZ 48
SL10-8AZ 48
SL10-FZ-10 48
SL200-12AZ 48
SL200-8AZ 48
SL200-FZ-200 48
SL300-12AZ 48
SL300-8AZ 48
SL300-FZ-300 48
SL50-12AZ 48
SL50-16AZ 48
SL50-8AZ 48
SL50-FZ-50 48
SP-INT-L 160
SP-INT-M 160
SP-INT-S 160
SP-INT-XL 160
SU-INT-L 160
SU-INT-M 160
SU-INT-S 160
SU-INT-XL 160
SU-INT-XS 160
SYP-INT-L 163
SYP-INT-M 163
SYP-INT-S 163
SYP-INT-XL 163

T

TM301 165
TM301-C 165
TM305 165
TM305-C 165
TM308 165
TM308-C 165
TM309 165
TM309-C 165
TM351 165
TM353 165
TM353-C 165
TR021 ..... 164, 165

U

US-INT-L 161
US-INT-M 161
US-INT-S 161
US-INT-XL 161
US-INT-XS 161
USP-INT-L 161
USP-INT-M 161
USP-INT-S 161
USP-INT-XL 161
USP-INT-XS 161

X

XC-INT-L 160
XC-INT-M 160
XC-INT-S 160
XC-INT-XL 160
XC-INT-XS 160
XTM301 164
XTM301-C 164
XTM302 164
XTM302-C 164
XTM305 164
XTM305-C 164
XTM308 164
XTM308-C 164
XTM309 164
XTM309-C 164
XTM353 164
XTM353-C 164

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