LIQUID HANDLING TECHNOLOGY

*Get **GREEN** with STARLAB*

PRODUCTS FOR THE LABORATORY 2019/2020

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

STAR LAB

Anything else you need to know...

New products

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

Try before you buy

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

www.starlab.click/samplerequest

TipFinder – find the right tip for your pipette

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

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

StarGuardselect

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

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

www.starlab.click/starguardselect

STARLAB ordering service

Customer Account No:

Your STARLAB Account Manager:

STARLAB International GmbH

T: +49 (0)40 6759 939-0
F: +49 (0)40 6759 939-20

info@starlab.de
www.starlabgroup.com

Contents

▶ **ABOUT STARLAB** ..... 02 – 04
• Get Green with STARLAB • Total Liquid Handling

▶ **PIPETTE TIPS** ..... 05 – 24
• TipOne® Pipette Tips • Speciality Tips • Dispenser Tips

▶ **ROBOTIC TIPS** ..... 25 – 32
• Overview • Tip-Robot Compatibility • Beckman Coulter® • Packard® • Tecan® • Perkin Elmer® • Qiagen®
• Robotic Reservoirs

▶ **PIPETTES** ..... 33 – 44
• Manual Pipettes • Electronic Pipettes • Pipette Controllers • Pipette Stands • Polystyrene Pipettes
• Repeat Dispenser

▶ **PIPETTE SERVICING** ..... 45 – 48
• STARLAB Pipette Servicing • Service Levels • Order Form

▶ **CONSUMABLES** ..... 49 – 82
• Tubes • PCR Consumables • Plates • Plate Sealing • Parafilm® • Filtration Funnels
• Reagent Reservoirs • Labelling

▶ **CELL CULTURE** ..... 83 – 98
• CytoOne® Overview • Cell Culture Dishes • Cell Culture Plates • Cell Culture Flasks
• Cell Scrapers • Centrifuge Tubes • Cell Strainers • Syringe Filters • Cell Culture Filtration

▶ **SAMPLE STORAGE** ..... 99 – 114
• Storage Boxes & Racks • Benchtop Coolers • Stainless Steel Storage • Freezer Racking Systems

▶ **SMART INSTRUMENTS** ..... 115 – 134
• Aspirator • Mixers • Vortexters • Shakers • Stirrers • Dry Bath Incubators • Centrifuges • PCR Cabinets

▶ **PROTECTION** ..... 135 – 147
• Disposable Gloves

▶ **INDEX** ..... 148 – 154
• Alphabetical Index • Index by Catalogue Number • Note

Get **Green** with STARLAB!

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

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

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

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

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

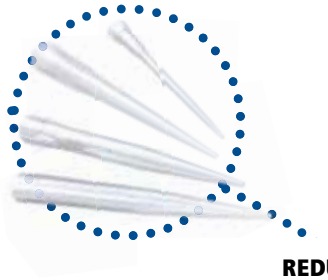
GREEN ENERGY
Sourced from wind power for TipOne® manufacturing

SMART PACKAGING
Packaging of StarGuard® COMFORT: 250 gloves in same size box as 100 gloves in conventional packaging

BULK BUY
Save on packing resources and transport emissions by buying the case

RECYCLE
Your used STARLAB products.

get GREEN with STARLAB



REDUCE
Up to 40 % plastic material saved for our new generation TipOne® tips

REUSE
TipOne® racks withstand repeated autoclave cycles while retaining stability, strength and shape.

REFILL
Save plastic waste and money by using our TipOne® REFILL

DUAL USE
Upcycle TipOne® racks into any creative idea you can think of

STARLAB locations:
France, Italy, United Kingdom and Germany.

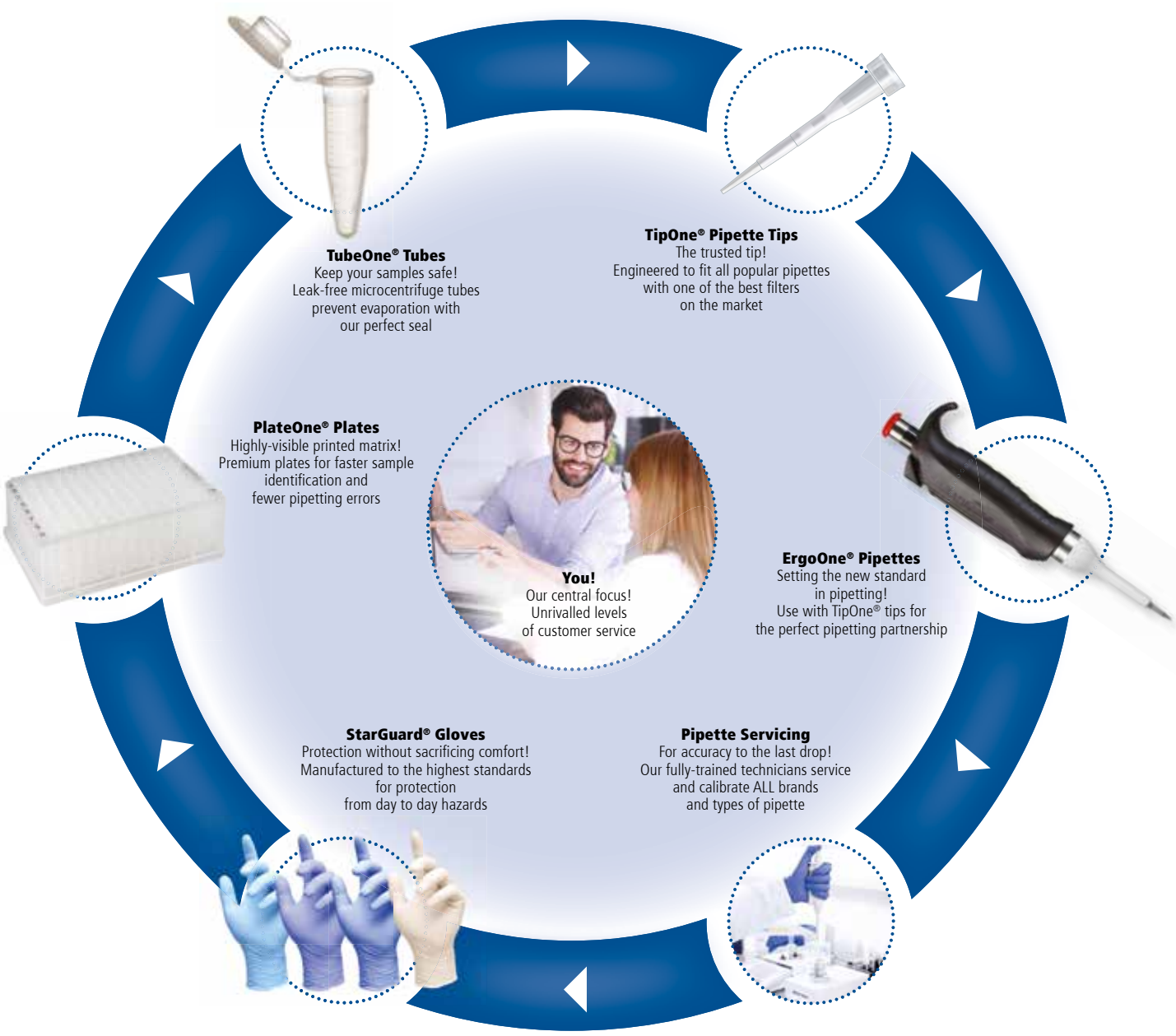
Total Liquid Handling

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

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

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

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



TipOne® PIPETTE TIPS

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

SPECIALITY TIPS

Extended Length Tips 19
384-Format Tips 19
Individually Wrapped Tips 19
Large Volume Tips 20–21
Wide Orifice Tips 22
Gel Extraction Tool 22
Gel-Loading Tips 23

DISPENSER TIPS

TipOne® Repeat 24

The Trusted Tip

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

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

CE*

Latest Technology!
Manufacture

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

Intensive!
Quality Control

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

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

Unique collar

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

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

Proven!
Material

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

Excellent!
Filter

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

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

2

Thin-walled tip collar

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

Universal!

One tip fits all

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

Green tip design

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

Thin-walled tip

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

UltraPoint orifice

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

Brilliant!

Highly polished moulds

For an extremely smooth surface to reduce sample retention.

Low Retention!

TipOne® RPT

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

A **System** with a System!

One System, One Solution!

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

Compact, durable and green design

TipOne® is designed to be a green system. Our refill design reduces the amount of raw materials needed for its manufacture, resulting not only in less consumption of resources, but also the lowering of CO_2 emissions during production and transportation. Not only is this more environmentally-friendly, its compact design also helps save valuable storage space in your lab. The remarkable durability of our racks means they can be reused with the refill again and again, even if autoclaving, without any loss to their stability or shape. All components of the TipOne® system are made from pure polypropylene (PP) for easy recycling where no separation of materials is required.

Intelligent quality

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

Clever

A 2D matrix code on each wafer allows full traceability of item and lot number, which is ideal for labs using Laboratory Information Management Systems (LIMS). Experience tells us that our racks are refilled many times and having this information on the wafer avoids errors when racks are refilled with a different type or volume of tip.

Colour coded wafers for easy volume identification

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

Simple!

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

System Components Overview

The **Perfect** Rack

The perfect Rack

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

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

05
PP

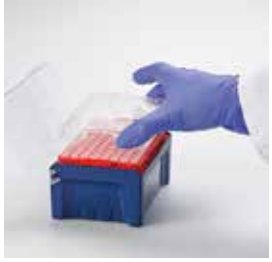
1. Lid opens at an optimised angle for unrestricted access
2. Wafer locks securely into the rack for stability during pipetting
3. Stackable
4. Reusable, autoclavable and recyclable

Remarkable durability

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

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

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



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

The **Clever** Refill

The clever Refill

A quick and easy way to obtain economical racked tips.

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

05
PP

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

The **Unique** Filter Tip Refill

The unique Filter Tip Refill

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

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

05
PP

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

The **Compact** Stack Rack

The compact Stack Rack

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

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

05
PP

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

The **Self-Standing** Bag

The self-standing Bag

Economical – ideal for teaching labs or non-critical work

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

1. Resealable
2. Self-standing for easy access
3. Recyclable

TipOne®

PIPETTE TIPS	RACKED	RACKED	REFILL
All Tips shown actual size. n/a = not available.	96-Tip Racks	96-Tip Sterile Racks	96-Tip Refills
10 µl Graduated Tip (Graduations: 2,5 µl, 10 µl)	**S1111-3800** (960 Tips)	**S1111-3810** (960 Tips)	**S1111-3700** (960 Tips)
	S1111-3800-C (7680 Tips)	**S1111-3810-C** (7680 Tips)	**S1111-3700-C** (9600 Tips)
10/20 µl XL Graduated Tip (Graduations: 1 µl, 5 µl, 10 µl, 20 µl)	**S1110-3800** (960 Tips)	**S1110-3810** (960 Tips)	**S1110-3700** (960 Tips)
	S1110-3800-C (7680 Tips)	**S1110-3810-C** (7680 Tips)	**S1110-3700-C** (9600 Tips)
200 µl Tip	**S1111-0800** (960 Tips)	**S1111-0810** (960 Tips)	**S1111-0700** (960 Tips)
	S1111-0800-C (7680 Tips)	**S1111-0810-C** (7680 Tips)	**S1111-0700-C** (9600 Tips)
200 µl Yellow Tip	**S1111-0806** (960 Tips)	**S1111-0816** (960 Tips)	**S1111-0706** (960 Tips)
	S1111-0806-C (7680 Tips)	**S1111-0816-C** (7680 Tips)	**S1111-0706-C** (9600 Tips)
200 µl Bevelled Tip	**S1111-1800** (960 Tips)	**S1111-1810** (960 Tips)	**S1111-1700** (960 Tips)
	S1111-1800-C (7680 Tips)	**S1111-1810-C** (7680 Tips)	**S1111-1700-C** (9600 Tips)
200 µl Yellow, Bevelled Tip	**S1111-1806** (960 Tips)	**S1111-1816** (960 Tips)	**S1111-1706** (960 Tips)
	S1111-1806-C (7680 Tips)	**S1111-1816-C** (7680 Tips)	**S1111-1706-C** (9600 Tips)
200 µl UltraPoint Graduated Tip (Graduations: 10 µl, 50 µl, 100 µl)	**S1113-1800** (960 Tips)	**S1113-1810** (960 Tips)	**S1113-1700** (960 Tips)
	S1113-1800-C (7680 Tips)	**S1113-1810-C** (7680 Tips)	**S1113-1700-C** (9600 Tips)
200 µl UltraPoint Yellow Graduated Tip (Graduations: 10 µl, 50 µl, 100 µl)	**S1113-1806** (960 Tips)	**S1113-1816** (960 Tips)	**S1113-1706** (960 Tips)
	S1113-1806-C (7680 Tips)	**S1113-1816-C** (7680 Tips)	**S1113-1706-C** (9600 Tips)
300 µl Graduated Tip (Graduations: 100 µl, 200 µl, 300 µl)	**S1110-9800** (960 Tips)	**S1110-9810** (960 Tips)	**S1110-9700** (960 Tips)
	S1110-9800-C (7680 Tips)	**S1110-9810-C** (7680 Tips)	**S1110-9700-C** (9600 Tips)
1000 µl Graduated Tip (Graduations: 250 µl, 500 µl, 1000 µl)	**S1111-6800** (960 Tips)	**S1111-6810** (960 Tips)	**S1111-6700** (960 Tips)
	S1111-6800-C (3840 Tips)	**S1111-6810-C** (3840 Tips)	**S1111-6700-C** (9600 Tips)
1000 µl Blue Graduated Tip (Graduations: 250 µl, 500 µl, 1000 µl)	**S1111-6801** (960 Tips)	**S1111-6811** (960 Tips)	**S1111-6701** (960 Tips)
	S1111-6801-C (3840 Tips)	**S1111-6811-C** (3840 Tips)	**S1111-6701-C** (9600 Tips)
1250 µl XL Graduated Tip (Graduations: 100 µl, 250 µl, 500 µl, 1000 µl)	**S1112-1820** (960 Tips)	**S1112-1830** (960 Tips)	**S1112-1720** (960 Tips)
	S1112-1820-C (3840 Tips)	**S1112-1830-C** (3840 Tips)	**S1112-1720-C** (9600 Tips)

FREE SAMPLE TRY before you BUY available on request

STACK RACK	STACK RACK	LOOSE	COLOUR CODING
960-Tip Stack	960-Tip Sterile Stack	1000 / Bag	
S1111-3200 (960 Tips)	**S1111-3210** (960 Tips)	**S1111-3000** (1000 Tips)	
S1111-3200-C (9600 Tips)	**S1111-3210-C** (9600 Tips)	**S1111-3000-C** (50,000 Tips)	
n/a	**n/a**	**S1110-3000** (1000 Tips)	
n/a	**n/a**	**S1110-3000-C** (50,000 Tips)	
S1111-0200 (960 Tips)	**S1111-0210** (960 Tips)	**S1111-0000** (1000 Tips)	
S1111-0200-C (9600 Tips)	**S1111-0210-C** (9600 Tips)	**S1111-0000-C** (25,000 Tips)	
S1111-0206 (960 Tips)	**n/a**	**S1111-0006** (1000 Tips)	
S1111-0206-C (9600 Tips)	**n/a**	**S1111-0006-C** (25,000 Tips)	
S1111-1200 (960 Tips)	**S1111-1210** (960 Tips)	**S1111-1000** (1000 Tips)	
S1111-1200-C (9600 Tips)	**S1111-1210-C** (9600 Tips)	**S1111-1000-C** (25,000 Tips)	
S1111-1206 (960 Tips)	**n/a**	**S1111-1006** (1000 Tips)	
S1111-1206-C (9600 Tips)	**n/a**	**S1111-1006-C** (25,000 Tips)	
S1113-1200 (960 Tips)	**n/a**	**S1113-1000** (1000 Tips)	
S1113-1200-C (9600 Tips)	**n/a**	**S1113-1000-C** (25,000 Tips)	
S1113-1206 (960 Tips)	**S1113-1216** (960 Tips)	**S1113-1006** (1000 Tips)	
S1113-1206-C (9600 Tips)	**S1113-1216-C** (9600 Tips)	**S1113-1006-C** (25,000 Tips)	
n/a	**n/a**	**S1110-9000** (1000 Tips)	
n/a	**n/a**	**S1110-9000-C** (25,000 Tips)	
n/a	**n/a**	**S1111-6000** (1000 Tips)	
n/a	**n/a**	**S1111-6000-C** (20,000 Tips)	
n/a	**n/a**	**S1111-6001** (1000 Tips)	
n/a	**n/a**	**S1111-6001-C** (20,000 Tips)	
n/a	**n/a**	**S1112-1020** (1000 Tips)	
n/a	**n/a**	**S1112-1020-C** (16,000 Tips)	

Racked and Filter Refill TipOne® products are supplied in these easy to stack shelf boxes (960 Tips).

get GREEN with STARLAB

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

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

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

www.starlab.click/**tipone**

TipOne® Filter Tips

Nothing goes through!

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

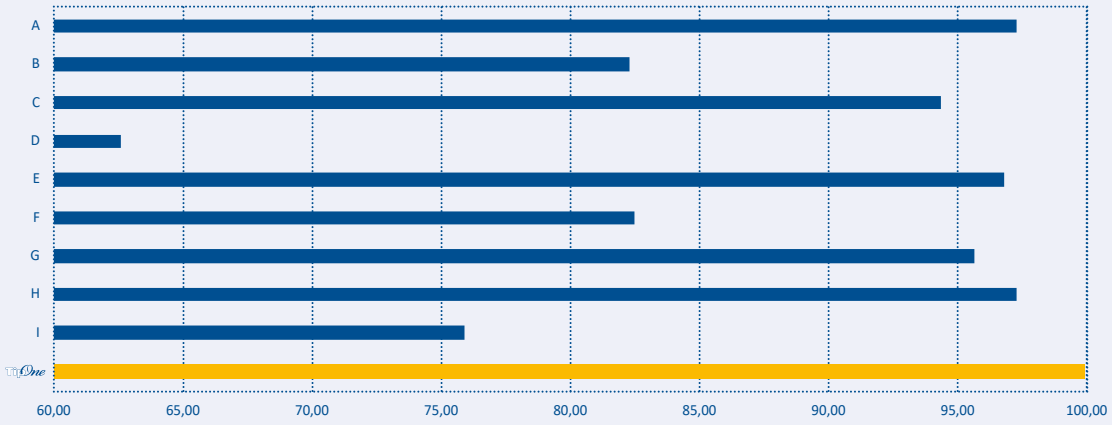
TipOne® filter tips contain no additives to interfere with your samples and are one of the best filters available on the market. They are proven* to block >99 % of aerosols. The results, shown below, speak for themselves!

Filter Tip features

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

FREE SAMPLE TRY before you BUY available on request

Blocking of Particles (diam. approx. 100 nm) [%]
TipOne® filter tips compared to other manufacturers' filter tips*



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

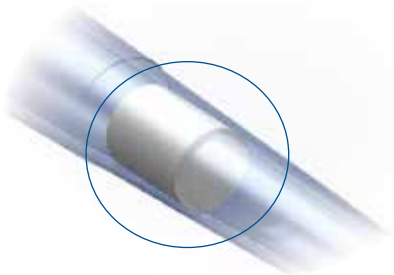
TipOne®

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

FILTER TIPS (STERILE)	RACKED	FILTER REFILL	COLOUR CODING
ALL TIPS SHOWN ACTUAL SIZE.	96-Tip Sterile Racks	96-Tip Sterile Refills	
10 µl Graduated Filter Tip (Sterile) (Graduations: 2.5 µl, 10 µl)	**S1121-3810** (960 Tips)	**S1121-2710** (960 Tips)	
	S1121-3810-C (7680 Tips)	**S1121-2710-C** (7680 Tips)	
10/20 µl XL Graduated Filter Tip (Sterile) (Graduations: 1 µl, 5 µl, 10 µl, 20 µl)	**S1120-3810** (960 Tips)	**S1120-3710** (960 Tips)	
	S1120-3810-C (7680 Tips)	**S1120-3710-C** (7680 Tips)	
20 µl Bevelled Filter Tip (Sterile)	**S1120-1810** (960 Tips)	**S1120-1710** (960 Tips)	
	S1120-1810-C (7680 Tips)	**S1120-1710-C** (7680 Tips)	
20 µl UltraPoint Graduated Filter Tip (Sterile) (Graduation: 10 µl)	**S1123-1810** (960 Tips)	**S1123-1710** (960 Tips)	
	S1123-1810-C (7680 Tips)	**S1123-1710-C** (7680 Tips)	
50 µl Bevelled Filter Tip (Sterile)	**S1120-2810** (960 Tips)	**S1120-2710** (960 Tips)	
	S1120-2810-C (7680 Tips)	**S1120-2710-C** (7680 Tips)	
100 µl Bevelled Filter Tip (Sterile)	**S1120-1840** (960 Tips)	**S1120-1740** (960 Tips)	
	S1120-1840-C (7680 Tips)	**S1120-1740-C** (7680 Tips)	
100 µl UltraPoint Graduated Filter Tip (Sterile) (Graduations: 10 µl, 50 µl, 100 µl)	**S1123-1840** (960 Tips)	**S1123-1740** (960 Tips)	
	S1123-1840-C (7680 Tips)	**S1123-1740-C** (7680 Tips)	
200 µl Graduated Filter Tip (Sterile) (Graduations: 50 µl, 100 µl, 200 µl)	**S1120-8810** (960 Tips)	**S1120-8710** (960 Tips)	
	S1120-8810-C (7680 Tips)	**S1120-8710-C** (7680 Tips)	
300 µl Graduated Filter Tip (Sterile) (Graduations: 100 µl, 200 µl, 300 µl)	**S1120-9810** (960 Tips)	**S1120-9710** (960 Tips)	
	S1120-9810-C (7680 Tips)	**S1120-9710-C** (7680 Tips)	
1000 µl XL Filter Tip (Sterile)	**S1126-7810** (960 Tips)	**S1126-7710** (960 Tips)	
	S1126-7810-C (3840 Tips)	**S1126-7710-C** (3840 Tips)	
1000 µl XL Graduated Filter Tip (Sterile) (Graduations: 100 µl, 250 µl, 500 µl, 1000 µl)	**S1122-1830** (960 Tips)	**S1122-1730** (960 Tips)	
	S1122-1830-C (3840 Tips)	**S1122-1730-C** (3840 Tips)	

TipOne® Filters

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



TipOne® RPT

Leading manufacturer's low retention tip with green food dye

TipOne® RPT with green food dye

RPT: A technical breakthrough!

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

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

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

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

TipOne® tips are designed to fit all popular pipettes without any loss of accuracy or precision.
TipOne® RPT tips are supplied in the same style packaging as other TipOne® tips. Therefore, the RPT refills and filter refills can be used in the racks from all other TipOne® tips, and vice versa!

RPT Tip Features

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

FREE SAMPLE TRY before you BUY available on request

TipOne RPT

RPT TIPS	RACKED	REFILL
All Tips shown actual size. n/a = not available	96-Tip Racks	96-Tip Refills
10 µl RPT Graduated Tip (Graduations: 2.5 µl, 10 µl)	n/a	**S1161-3700** (960 Tips)
		S1161-3700-C (9600 Tips)
10/20 µl RPT XL Graduated Tip (Graduations: 1 µl, 5 µl, 10 µl, 20 µl)	**S1160-3800** (960 Tips)	**S1160-3700** (960 Tips)
	S1160-3800-C (7680 Tips)	**S1160-3700-C** (9600 Tips)
200 µl RPT Bevelled Tip	**S1161-1800** (960 Tips)	**S1161-1700** (960 Tips)
	S1161-1800-C (7680 Tips)	**S1161-1700-C** (9600 Tips)
200 µl RPT UltraPoint Graduated Tip (Graduations: 10 µl, 50 µl, 100 µl)	**S1163-1800** (960 Tips)	**S1163-1700** (960 Tips)
	S1163-1800-C (7680 Tips)	**S1163-1700-C** (9600 Tips)
300 µl RPT Graduated Tip (Graduations: 100 µl, 200 µl, 300 µl)	**S1160-9800** (960 Tips)	**S1160-9700** (960 Tips)
	S1160-9800-C (7680 Tips)	**S1160-9700-C** (9600 Tips)
1250 µl RPT XL Graduated Tip (Graduations: 100 µl, 250 µl, 500 µl, 1000 µl)	**S1161-1820** (960 Tips)	**S1161-1720** (960 Tips)
	S1161-1820-C (3840 Tips)	**S1161-1720-C** (9600 Tips)

RPT FILTER TIPS (STERILE)	RACKED	FILTER REFILL
All Tips shown actual size.	96-Tip Sterile Racks	96-Tip Sterile Refills
10 µl RPT Graduated Filter Tip (Sterile) (Graduations: 2.5 µl, 10 µl)	**S1181-3810** (960 Tips)	**S1181-3710** (960 Tips)
	S1181-3810-C (7680 Tips)	**S1181-3710-C** (7680 Tips)
10/20 µl RPT XL Graduated Filter Tip (Sterile) (Graduations: 1 µl, 5 µl, 10 µl, 20 µl)	**S1180-3810** (960 Tips)	**S1180-3710** (960 Tips)
	S1180-3810-C (7680 Tips)	**S1180-3710-C** (7680 Tips)
20 µl RPT Bevelled Filter Tip (Sterile)	**S1180-1810** (960 Tips)	**S1180-1710** (960 Tips)
	S1180-1810-C (7680 Tips)	**S1180-1710-C** (7680 Tips)
20 µl RPT UltraPoint Graduated Filter Tip (Sterile) (Graduation: 10 µl)	**S1183-1810** (960 Tips)	**S1183-1710** (960 Tips)
	S1183-1810-C (7680 Tips)	**S1183-1710-C** (7680 Tips)
100 µl RPT Bevelled Filter Tip (Sterile)	**S1180-1840** (960 Tips)	**S1180-1740** (960 Tips)
	S1180-1840-C (7680 Tips)	**S1180-1740-C** (7680 Tips)
100 µl RPT UltraPoint Graduated Filter Tip (Sterile) (Graduations: 10 µl, 50 µl, 100 µl)	**S1183-1840** (960 Tips)	**S1183-1740** (960 Tips)
	S1183-1840-C (7680 Tips)	**S1183-1740-C** (7680 Tips)
200 µl RPT Graduated Filter Tip (Sterile) (Graduations: 50 µl, 100 µl, 200 µl)	**S1180-8810** (960 Tips)	**S1180-8710** (960 Tips)
	S1180-8810-C (7680 Tips)	**S1180-8710-C** (7680 Tips)
300 µl RPT Graduated Filter Tip (Sterile) (Graduations: 100 µl, 200 µl, 300 µl)	**S1180-9810** (960 Tips)	**S1180-9710** (960 Tips)
	S1180-9810-C (7680 Tips)	**S1180-9710-C** (7680 Tips)
1000 µl RPT XL Graduated Filter Tip (Sterile) (Graduations: 100 µl, 250 µl, 500 µl, 1000 µl)	**S1182-1830** (960 Tips)	**S1182-1730** (960 Tips)
	S1182-1830-C (3840 Tips)	**S1182-1730-C** (3840 Tips)

TipOne® Recycling

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

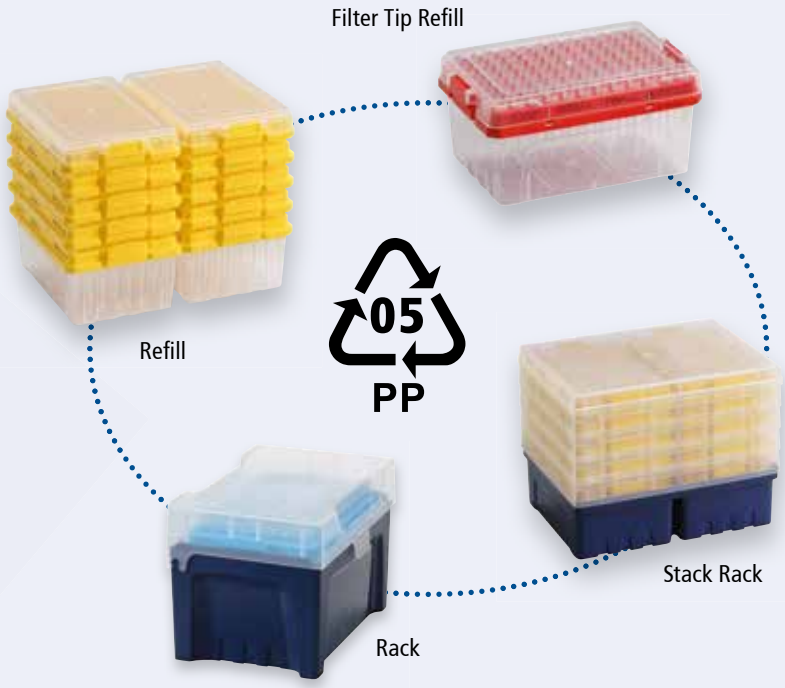
- **Reuse the TIP RACKS with the REFILL**
  TipOne® is desgined as a reusable system and all racks within the system (standard tips, filter tips and TipOne® RPT) can be reused with both the standard and filter tip refills.

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

What WE do to help the enviroment ...

As a manufacturer, STARLAB has control over the design and manufacture of its products. Our green ideas start at the design stage, and our research and development team is constantly looking at ways to more efficiently manufacture greener products. As a innovative company, STARLAB has become a green leader in its field, setting the environmental standard for others to follow.

www.starlab.click/recycling



Extended Length Tips

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

www.starlab.click/**specialitytips**

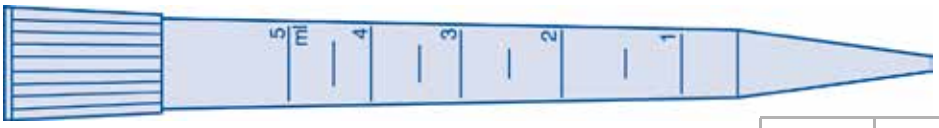
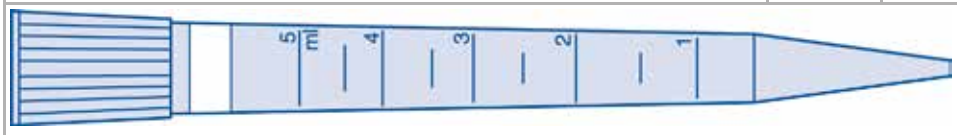
384-Format Tips

ORDER INFORMATION				
All tips are certified and natural in colour. Tips shown actual size.	**Pack Type**	**Sterile**	**Pack Size**	**Cat. No.**
30 µl CAPP-Style 384-Format Tip For use with but not limited to: CAPP® 16-Channel	384-Tip Rack	No	10 x 384	E3840-3000

Individually Wrapped Tips

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

Large Volume Tips

ORDER INFORMATION				
All tips are certified and natural in colour (unless stated). Tips shown actual size.	**Pack Type**	**Sterile**	**Pack Size**	**Cat. No.**
5000 µl Biohit-Style Tip For use with: Biohit®, Eppendorf®, Genex®	Bag	No	250	E1009-7000
5000 µl Biohit-Style XL Tip For use with: Biohit®, Eppendorf®, Genex®	Bag	No	250	E1009-7001
 **5000 µl** Eppendorf-Style Graduated Macro Tip For use with: Eppendorf®, Biohit®, Socorex®	Bag	No	250	I1053-0000
	50-Tip Rack	No	10 x 50	I1053-0700
	50-Tip Rack	Yes	10 x 50	I1053-0710
 **5000 µl** Eppendorf-Style Graduated Filter Macro Tip For use with: Eppendorf®, Biohit®	50-Tip Rack	Yes	2 x 50	I1053-0728
5000 µl Finn-Style Tip For use with: ErgoOne® E, Finnpipette®, Brand®, SMI®, Socorex®	Bag	No	200	E1070-2596[1)]
	Bag	No	5 x 200	E1070-2601[1)]
	28-Tip Rack	No	1 x 28	E1070-2607
5000 µl Finn-Style Tip For use with: ErgoOne® E, Brand®, Finnpipette®, Socorex®, SMI®	Bag	No	250	I1009-5000

[1)]not certified.

FREE SAMPLE TRY before you BUY available on request

ORDER INFORMATION

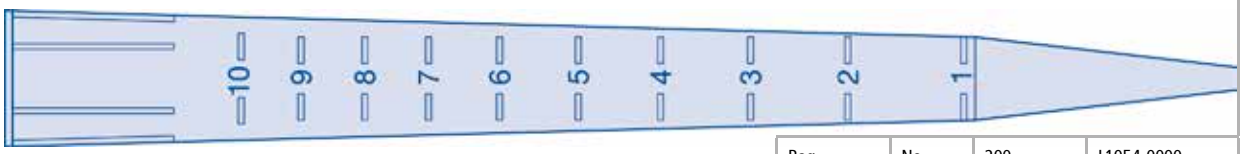
All tips are certified and natural in colour (unless stated). Tips shown actual size.

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

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

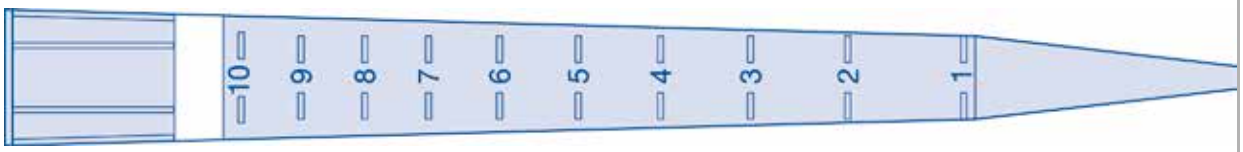
5000 µl Gilson-Style Graduated Macro Filter Tip
For use with: ErgoOne®, Gilson®, Nichiryo®, StarPet, Volac®

Pack Type	Sterile	Pack Size	Cat. No.
50-Tip Rack	Yes	10 x 50	I1050-0718
50-Tip Rack	Yes	2 x 50	I1050-0728



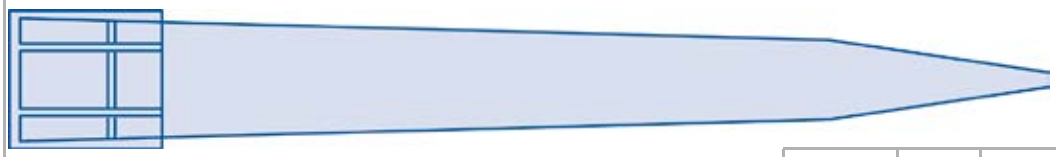
10 ml Gilson-Style Graduated Macro Tip
For use with: Gilson®, Eppendorf®, Rainin®, Socorex®, StarPet

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



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

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



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

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

www.starlab.click/**specialitytips**

Wide Orifice Tips

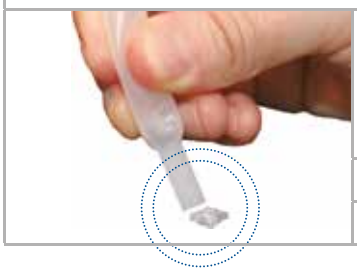
ORDER INFORMATION				
All tips are certified and natural in colour. Tips shown actual size.	**Pack Type**	**Sterile**	**Pack Size**	**Cat. No.**
200 µl Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, MLA®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, StarPet E, Titertek®, Volac®	Bag	No	1000	I1011-8000
200 µl Graduated Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Fisherbrand®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, StarPet E, Titertek®, Volac®	Bag	No	1000	E1011-8000
	96-Tip Rack	No	10 x 96	E1011-8400
	96-Tip Rack	Yes	10 x 96	E1011-8410
1000 µl Graduated Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Costar®, Eppendorf®, Finnpipette®, Fisherbrand®, Nichiryo®, Oxford-Benchmate®, Rainin®, SMI®, Socorex®, StarPet, Titertek®, Volac®	Bag	No	1000	E1011-9000

TipOne® RPT

Are you working with ´sticky´ liquids? Then try STARLAB's TipOne® RPT tips. The optimised conventional polypropylene surface improves the flow of 'sticky' liquids. For more information see pages 16–17.

FREE SAMPLE TRY before you BUY available on request

Gel Extraction Tool

ORDER INFORMATION			
	Perform DNA sample extractions with great accuracy and precision in a rapid, four-step process. The disposable polyethylene tool cleanly cuts and picks up uniform slices of gel, eliminating possible cross-contamination from razor blades and other gel-cutting methods.		
	Description	**Pack Size**	**Cat. No.**
	X-Tracta™ Gel Extraction Tool	100	N2000-0100

Gel-Loading Tips

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

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

www.starlab.click/**specialitytips**

TipOne® **Repeat** Dispenser Tips

Dispenser Tips you'll want to use again!

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

Features

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

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
Non-Sterile		
0.1 ml TipOne® Repeat Tips	100	S4751-0010
0.5 ml TipOne® Repeat Tips	100	S4751-0050
1.0 ml TipOne® Repeat Tips	100	S4751-0100
2.5 ml TipOne® Repeat Tips	100	S4751-0250
5.0 ml TipOne® Repeat Tips	100	S4751-0500
10 ml TipOne® Repeat Tips	100	S4751-1000
25 ml TipOne® Repeat Tips[1)]	100	S4751-2500
50 ml TipOne® Repeat Tips[1)]	100	S4751-5000
Adapter for 25 ml Dispenser Tips	1	S4756-2500
Adapter for 50 ml Dispenser Tips	1	S4756-5000
Sterile, Individually Wrapped		
0.1 ml TipOne® Repeat Tips (Sterile)	100	S4761-0010
0.5 ml TipOne® Repeat Tips (Sterile)	100	S4761-0050
1.0 ml TipOne® Repeat Tips (Sterile)	100	S4761-0100
2.5 ml TipOne® Repeat Tips (Sterile)	100	S4761-0250
5.0 ml TipOne® Repeat Tips (Sterile)	100	S4761-0500
10 ml TipOne® Repeat Tips (Sterile)	100	S4761-1000
25 ml TipOne® Repeat Tips (Sterile)[1)]	100	S4761-2500
50 ml TipOne® Repeat Tips (Sterile)[1)]	100	S4761-5000
Adapter for 25 ml Dispenser Tips (Sterile)	7	S4765-2500
Adapter for 50 ml Dispenser Tips (Sterile)	7	S4765-5000

[1)] 25ml and 50ml tips are supplied with four adapters.
Note: TipOne® Repeat Dispenser Tips are not autoclavable.

COMPATIBILITY	
STARLAB	RepeatOne®
Brand	Handystep® Manual. Handystep® S. HandyStep® Electronic
Denville	Fastsepper®
Eppendorf	Multipette® 4780. Multipette®Plus[1)]. Multipette® stream / Xstream[2)]
Gilson	Distriman®. Pipetman®. Repetman®
Labnet	Labpette®
Nichiryo / Oxford	Nichimate® Stepper
Rainin	AutoRep® E. AutoRep® S. Autorep® M
Ritter	Ripette®. Ripette® Pro. Ripette® genX
Sartorius	Biohit® Mechanical Stepper. Biohit® eLine® Pro. Biohit® eLine® Lite
Scilogex	Stepmate®
Thermo Fisher	Fisherbrand® Repeat Stepper. Finnpipette® Stepper

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

TipOne Repeat

Repeat Dispenser

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

www.starlab.click/**dispensertips**

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[1)]	**48**	**23**	**15**	**11**	**8**

[1)]Number of steps may vary according to dispenser manufacturer.

OVERVIEW 26

TIP–ROBOT COMPATIBILITY 27

TIPS FOR BECKMAN COULTER®
Biomek® i-series, Biomek® 3000 & 4000 28–29
Biomek® FX & NX 28–29
Multimek® 28–29

TIPS FOR PACKARD®
MultiProbe® II 30
MultiProbe® IIHT/EX 30

TIPS FOR TECAN®
Freedom EVO® 31
Genesis & MiniPrep 31

TIPS FOR PERKIN ELMER®
Janus® 32
Evolution® P³, MiniTrak™ & PlateTrak™ 32

TIPS FOR QIAGEN®
QIAgility® (formerly Corbett CAS-1200) 32

ROBOTIC RESERVOIRS 32

Robotic Tips Overview

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

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

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

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

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

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

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

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

Tip–Robot Compatibility

GO TO:	Page 28	Page 29	Page 30	Page 31	Page 32
Aurora Biomed® Versa™: 8-Channel			✓	✓	
Biomek® i-Series: 300 & 1200 µl Multichannel-96 Heads & Span-8 Pod	✓	✓			
Beckman® Biomek® 3000: AP96, MP20, MP200	✓	✓			
Beckman® Biomek® 4000: AP96, MP20, MP200	✓	✓			
Beckman® Biomek® FX: AP96, MP20, MP200	✓	✓			
Beckman® Biomek® FX: SPAN-8	✓	✓			
Beckman® Biomek® NX: AP96, MP20, MP200	✓	✓			
Beckman® Biomek® NX: SPAN-8	✓	✓			
Beckman® Multimek®: AP96, MP20, MP200	✓	✓			
Corbett® CAS-1200: Single-Channel Head			✓	✓	
Gilson® Cyberlab®	✓				
Packard® Multiprobe® II: Varispan 4 or 8 head probe			✓		
Packard® Multiprobe® IIHT/EX: Varispan 4 or 8 head probe			✓		
Perkin Elmer® Evolution® P3: MDT-96 P50					✓
Perkin Elmer® Janus®: MDT-96 P50					✓
Perkin Elmer® MiniTrak™: MDT-96 P50					✓
Perkin Elmer® PlateTrak™: MDT-96 P50					✓
Qiagen® QiAgility®: Single-Channel Pipette			✓	✓	✓
Tecan® Freedom EVO®: LiHa-1, -4 & -8				✓	✓
Tecan® Genesis: LiHa-1, -4 & -8				✓	✓
Tecan® MiniPrep: LiHa-1, -4 & -8				✓	✓

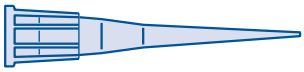
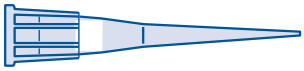
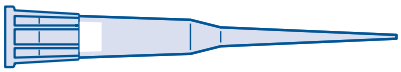
This chart is intended as a guide only. Please check the relevant page to ensure a specific tip's compatibility with your robotic system and the head type. Contact us for a free sample rack of tips to ensure compatibility with your robotic system.

FREE SAMPLE TRY before you BUY available on request

Tips for Beckman Coulter®

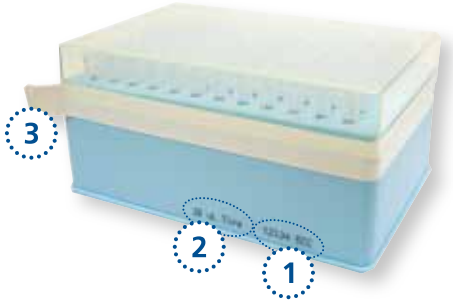
Biomek® i-Series • Biomek® FX • Biomek® NX • Biomek® 3000 • Biomek® 4000 • Multimek®

- No programming or software changes required!
- Ensured tip compatibility and consistent fit
- AP96 and SPAN-8 Compatible
- You can recycle the empty racks with your other plastic recycling (see page 18)
- Certified RNase, DNase, DNA and PCR Inhibitor free

ORDER INFORMATION			
	Rack Style / Head	**Non-Sterile**	**Sterile**
		10 x 96-Tip Racks	**10 x 96-Tip Racks**
 **20 µl** Tip	Pale Blue SBS Rack AP96, SPAN-8, MP20	**E1076-4400**	**E1076-4410**
 **20 µl** Filter Tip	Pale Blue SBS Rack AP96, SPAN-8, MP20	**n/a**	**E1076-4418**
50 µl Tip	Orange SBS Rack AP96, SPAN-8, MP20, MP200	**E1076-2400**	**E1076-2410**
50 µl Filter Tip	Orange SBS Rack AP96, SPAN-8, MP20, MP200	**n/a**	**E1076-2418**
250 µl Tip	Green SBS Rack AP96, SPAN-8, MP200	**E1076-0400**	**E1076-0410**
 **175 µl** Filter Tip	Green SBS Rack AP96, SPAN-8, MP200	**n/a**	**E1076-0418**

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

www.starlab.click/**robotictips**



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

Economical, eco-friendly and space saving refill system!

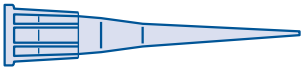
- Refillable racks and space-saving refill stacks
- Refills take up 40% less space!
- AP96 and SPAN-8 compatible
- Reusable racks means less waste and less cost
- No programming or software changes required
- You can recycle the used refills with your other plastic recycling (see page 18)
- Certified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

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

Beckmann Coulter®

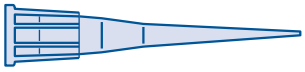
Refillable racks

Buy the refillable racks first, to get yourself started.

ORDER INFORMATION		
Refillable Racks	**Rack Style / Head**	**Non-Sterile**
		10 x 96-Tip Refillable Racks
 **20 µl** Tip	Pale Blue Refillable Rack AP96, SPAN-8	**E1076-4800**
250 µl Tip	Green Refillable Rack AP96, SPAN-8	**E1076-0800**

Refills

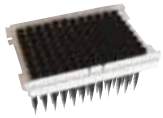
When the tips are used, reuse the racks with these refills, to save both money and plastic waste!

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

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

Tips for Packard®

MultiProbe® II • MultiProbe® IIHT/EX



ORDER INFORMATION			
	Rack Style / Head	**Non-Sterile**	**Sterile**
		24 x 96-Tip Racks	**24 x 96-Tip Racks**
10 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-3700**	**R1081-3700**
10 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-3810**	**R1028-3810**
50 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-5700**	**R1081-5700**
50 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-5810**	**R1028-5810**
200 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-0700**	**R1081-0700**
200 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-0810**	**R1028-0810**
1000 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-2700**	**R1081-2700**
1000 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-2810**	**R1028-2810**
10 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-3709**	**R1081-3709**
10 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-3819**	**R1028-3819**
50 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-5709**	**R1081-5709**
50 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-5819**	**R1028-5819**
200 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-0709**	**R1081-0709**
200 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-0819**	**R1028-0819**
1000 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-2709**	**R1081-2709**
1000 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-2819**	**R1028-2819**

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

Racks supplied in individual blister packs.

Tips for Tecan® (with LiHa)

Freedom EVO® • Genesis • MiniPrep

ORDER INFORMATION			
	Rack Style / Head	**Non-Sterile**	**Sterile**
		24 x 96-Tip Racks	**24 x 96-Tip Racks**
10 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-3700**	**R1081-3700**
10 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-3810**	**R1028-3810**
50 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-5700**	**R1081-5700**
50 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-5810**	**R1028-5810**
200 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-0700**	**R1081-0700**
200 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-0810**	**R1028-0810**
1000 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-2700**	**R1081-2700**
1000 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-2810**	**R1028-2810**
10 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-3709**	**R1081-3709**
10 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-3819**	**R1028-3819**
50 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-5709**	**R1081-5709**
50 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-5819**	**R1028-5819**
200 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-0709**	**R1081-0709**
200 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-0819**	**R1028-0819**
1000 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-2709**	**R1081-2709**
1000 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-2819**	**R1028-2819**

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

Racks supplied in individual blister packs.

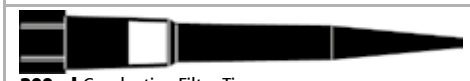
Tips for Perkin Elmer®

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

ORDER INFORMATION			
	Rack Style / Head	**Non-Sterile**	**Sterile**
		10 x 96-Tip Racks	**10 x 96-Tip Racks**
20 µl Tip	Green SBS Rack MDT-96 P50	**E1078-2400**	**n/a**
50 µl Tip	Green SBS Rack MDT-96 P50	**E1078-5400**	**n/a**

Tips for Qiagen®

QIAgility® (formerly CAS-1200)

ORDER INFORMATION			
	Rack Style / Head	**Non-Sterile**	**Sterile**
		10 x 96-Tip Racks	**10 x 96-Tip Racks**
50 µl Conductive Filter Tip	Clear Hanging Rack Single-Channel Pipette	**n/a**	**E1172-1418**
 **200 µl** Conductive Filter Tip	Clear Hanging Rack Single-Channel Pipette	**n/a**	**E1173-2418**

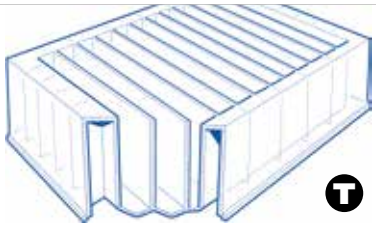
Also compatible with Tecan® robotic systems: Freedom EVO® Genesis® series and MiniPrep®

Robotic Reservoirs

High quality for high throughput!

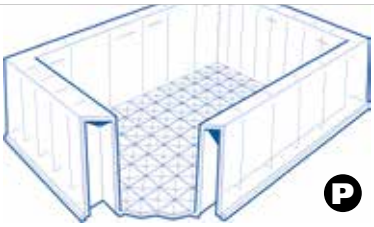
STARLAB reservoirs conform to the standard SBS footprint for compatibility with most robotic systems. They have virtually no dead volume. The sturdy polypropylene construction ensures rigidity during automation and excellent chemical resistance.

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



Multi-Well
12-Channel
High Profile

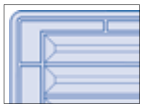
84 ml Reservoir,
Multi-Well
with 12 x 7.0 ml Troughs
E2999-8412
Pack 25



Single-Well
96 Pyramid Bottoms
High Profile

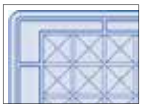
240 ml Reservoir,
Single-Well
with 96 pyramid wells
E2999-2496
Pack 25

www.starlab.click/**roboticreservoirs**



TROUGH

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



PYRAMID

Pyramid-shaped collection pools to help minimise dead volume

Low-maintenance!

Reduces the need for parts

MANUAL PIPETTES
ErgoOne® Pipettes: Overview 34–35
ErgoOne® Single-Channel Pipettes 36
ErgoOne® Multi-Channel Pipettes 37

ELECTRONIC PIPETTES
ErgoOne® E Electronic Pipettes 38–39

PIPETTE CONTROLLERS
ErgoOne® FAST (Electronic) 40–41
StarPet Filler (Manual) 41

PIPETTE STANDS 42

POLYSTYRENE PIPETTES
Serological Pipettes 43
Aspiration Pipettes 43

REPEAT DISPENSER
RepeatOne® Dispenser 44

ErgoOne® Pipettes: Overview

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

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

Lightweight and extremely easy to use, ErgoOne® can be trusted to provide accurate and precise pipetting all day, every day. Use with STARLAB's TipOne® pipette tips for the perfect pipetting partnership.

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

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

ErgoOne® Features
- Minimal operating forces
- Lightweight ergonomic design
- Colour coded
- Volume lock
- Universal tip fit

1. Easily removable lower part for fast cleaning
2. Wear-resistant polymer tip holders
3. Tip ejector with integrated cascade to lower the tip ejection force

www.starlab.click/**manualpipettes**

product design award 2010

CE*

ErgoOne®

1. Colour coding - matches the colour coding of TipOne Tips
2. Ergonomically designed - Finger rest ensures comfort and ease during use
3. Contoured chemically-resistant PP handle
4. Lightweight
5. Fully autoclavable - Can also be UV sterilised
6. Easily removable tip ejector for fast cleaning
7. Universal tip fit!
8. Integral, rust-free tip ejector
9. Reduced diameter tip ejector - For easy access into small tubes
10. Volume display - Positioned so it is visible during pipetting, 4-digit volume display for greater accuracy, for right and left-handed
11. Smooth action tip ejector
12. Volume lock - Prevents drift during use

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

ErgoOne® Single-Channel Pipettes

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

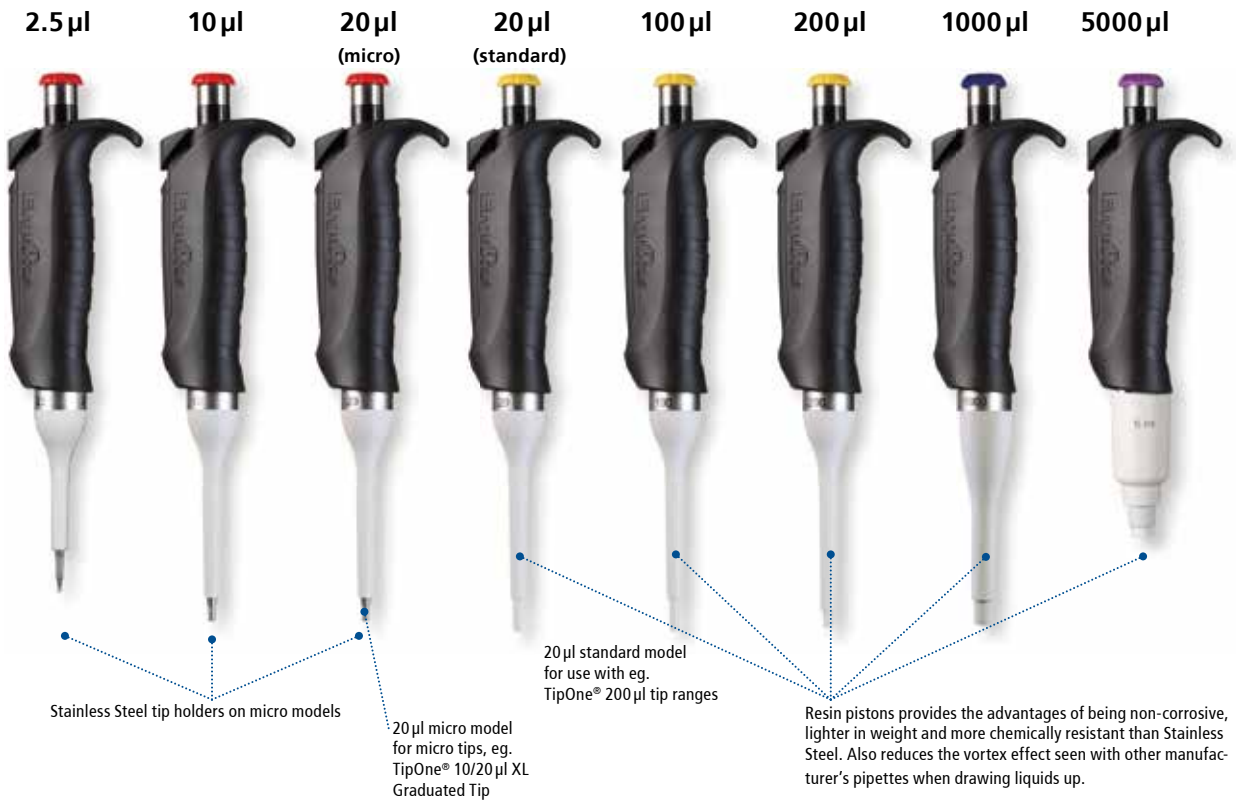
Setting the new standard in pipetting

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

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

Product features

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



ErgoOne® Multi-Channel Pipettes

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

www.starlab.click/**manualpipettes**

A great tool to speed up your pipetting process

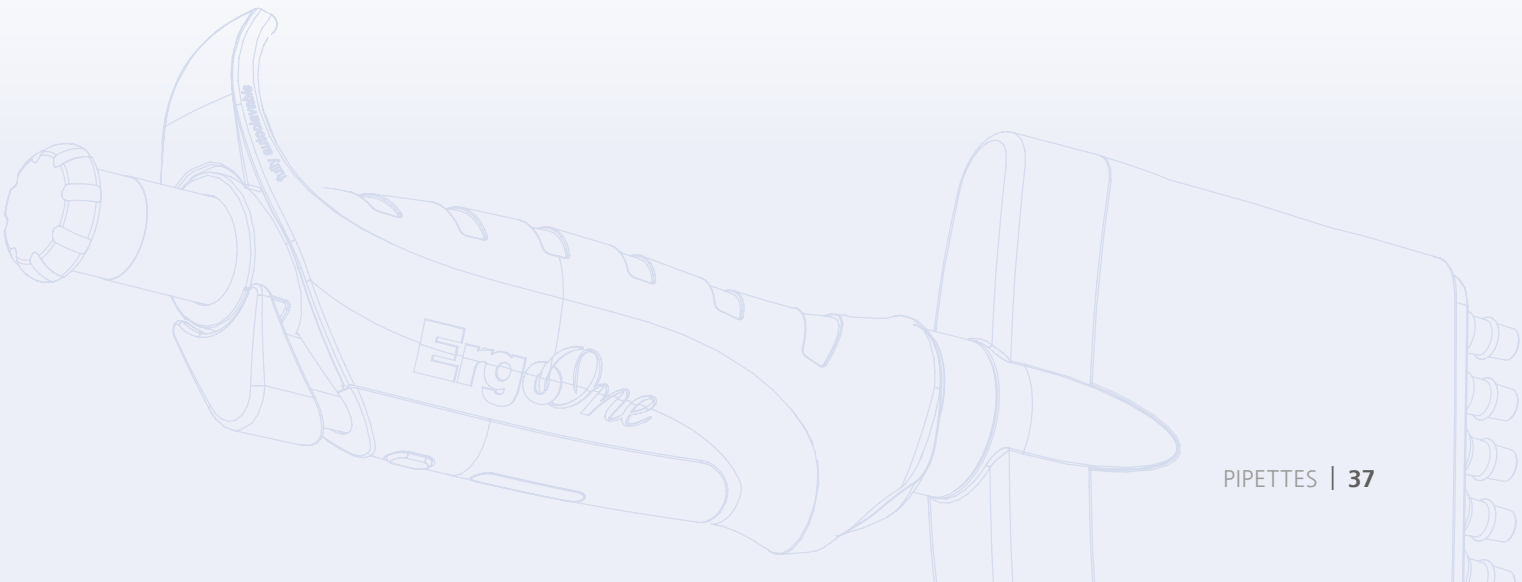
ErgoOne® multi-channel pipettes are designed in accordance with the latest ergonomic principles. The pipette is extremely easy to use and has minimal operating forces to help prevent hand fatigue. ErgoOne® multi-channel pipettes provide accurate and precise pipetting in a variety of volume ranges.

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

Product features

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

DEMO MODELS TRY before you BUY available on request



ErgoOne® E Electronic Pipettes

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

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

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

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

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

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

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

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

ACCESSORIES		
Description	**Pack Size**	**Cat. No.**
AC Adapter for Europe/UK (230V/50 Hz)	1	G9999-1000
Charging Stand with AC Adapter for Europe/UK (230V/50 Hz) for 3 Single-Channel Pipettes up to 1000 µl	1	G9999-1001
Individual Stand (for Single-Channel Pipettes, 10 µl to 1000 µl)	1	G9999-1002
Individual Stand (for 5000 µl Single-Channel Pipette)	1	G9999-1003
Individual Stand (for all Multi-Channel Pipettes)	1	G9999-1004
Replacement Battery	1	G9999-1005
Silicone Oil for Piston (for Single-Channel Pipettes, 10 µl to 1000 µl)	1	G9999-1006
Silicone Oil for Piston (for 5000 µl Single-Channel Pipette and all Multi-Channels)	1	G9999-1007
Fluorstatic Grease for Guiding Axis (for Multi-Channel Pipettes)	1	G9999-1008

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

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

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

G9999-1001

G9999-1002

G9999-1004

www.starlab.click/**electronicpipettes**

ErgoOne® FAST Pipette Controller

P7166-6306
Benchtop Support

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 four seconds!

Ergonomy meets modernity

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

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

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

Product features

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

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

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

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

Precise handling of pipettes
ErgoOne® FAST with serological pipette

www.starlab.click/**pipettecontroller**

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

[1)]ErgoOne® FAST is supplied with a battery, a power supply, 0.2 µl filter, 0.45 µl filter and a wall mount. 2-year warranty.

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

P7166-6306
Benchtop Support

A perfect match –
Serological Pipettes

More details:
see page 43 or visit
www.starlab.click/**serologicals**

StarPet Filler (Manual)

DEMO MODELS
TRY before you BUY
available on request

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

Product features

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

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

ORDER INFORMATION

	Description	Cat. No.
	ErgoOne® Universal Carousel Stand for up to 8 pipettes (UV Resistant) *For use with:* ErgoOne®, Biohit®, Finn®, Gilson®, Rainin® single or multi-channel pipettes	S7200-0000
	ErgoOne® Self-Adhesive Shelf Holder for 1 pipette (UV Resistant) *For use with:* ErgoOne® single or multi-channel pipettes	E3099-0001
	ErgoOne® E Individual Stand for single-channel pipettes *For use with:* ErgoOne® E single-channel pipettes	For 10 µl to 1000 µl pipettes G9999-1002 For 5000 µl pipettes G9999-1003
	ErgoOne® E Charging Stand - for up to 3 pipettes *For use with:* ErgoOne® E single-channel pipettes	G9999-1001

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

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

Serological Pipettes

New!

Discover the possibilities!
The pipettes are constructed from polystyrene for sterile serological and tissue culture applications. Colour-coding on both the pipettes and the packaging provides easy identification. The black printed, easy to read ascending and descending graduations simplify fluid measuring and dispensing, and all pipettes (excl. 100 ml) feature negative graduations for extra working volume. Perfect for use with all popular pipette controllers, including ErgoOne® FAST.

Product features

- Accuracy ±2%
- Bidirectional graduations provide added applicability
- Non-cytotoxic and non-haemolytic USP Class VI polystyrene
- Gamma sterilized to SAL 10^{-6} (ISO11137)
- Certified RNase, DNase, latex and pyrogen free

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

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

www.starlab.click/**serologicalpipettes**

Aspiration Pipettes

New!

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

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

www.starlab.click/**aspirationpipettes**

RepeatOne® Dispenser

DEMO MODELS TRY before you BUY available on request

Rapid dispensing!

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

Compatibility

RepeatOne® can be used with the following dispenser tips:

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

Product features

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

RepeatOne®

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
RepeatOne® Dispenser	1	S4026-1500
Accessories		
25 ml Adapter for TipOne® Repeat Dispenser Tips (Non-Sterile)	1	S4756-2500
50 ml Adapter for TipOne® Repeat Dispenser Tips (Non-Sterile)	1	S4756-5000
25 ml Adapter for TipOne® Repeat Dispenser Tips (Sterile)	7	S4765-2500
50 ml Adapter for TipOne® Repeat Dispenser Tips (Sterile)	7	S4765-5000

Note: RepeatOne® Dispenser is not autoclavable. 2-year warranty.

A perfect match –
TipOne® Repeat Tips

More details:
see page 24 or visit
www.starlab.click/**dispensertips**

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

www.starlab.click/**repeatdispenser**

We are happy to serve you at your place!

On-Site service protects the environment, minimize "down-time" of your pipette and saves charges for freight.

PIPETTE SERVICING 46

SERVICE LEVELS
Servicing & Calibration ..... 46 – 47

ORDER FORM 48

STARLAB Pipette Servicing

Accredited pipette service and repair services

Our Pipette Service for all brands of pipettes offers competent "all-round service" from one source.

High-ranking satisfaction of our customers is based on our superior quality and speediness as well as a result of 10 years experience in calibration and repair services.

Your benefits at a glance:

- DAkkS accreditation according to ISO 17025
- Certification according to ISO 9001, 14001 and 13485
- High quality and swift turnaround for all brands of pipettes
- Single and multi-channel pipettes, manual and electronic, dispensers, pipette controllers and bottle-top dispensers
- Certificates of Calibration as hard copy or electronically on request
- On-Site service

Services & Solutions

- Pipette disassambly and inspection
- Leak test
- Replacement of worn parts
- Internal & external cleaning
- Calibration according to ISO 8655 and DKD-R-8-1
- Certificate of Calibration

		STANDARD SERVICE LEVELS							
		2 Star Easy ✷✷		2 STAR ✷✷		3 STAR ✷✷✷		GLP 3 STAR ✷✷✷	
		Standard Check		Quality Check		Conformity Check in compliance with EN ISO 8655 and DKD-R 8-1		Conformity Check in compliance with EN ISO 8655 and DKD-R 8-1 including As found measurement	
	Recommended for:	Laboratories who wish to keep costs down or for check between Service intervals		Laboratories without regulated QM-System		Laboratories with ISO/DKD regulations		Laboratories with GMP, GLP or GCLP regulations (As Found measurement)	
Service	Pipette disassembled and inspected, leak test, worn parts replaced,* Internal cleaning	✓		✓		✓		✓	
	External cleaning	✓		✓		✓		✓	
Calibration	Number of test volumes	2**		3		3**		3**	
	Readings of test volume	4		4		10		10	
	Calibration Certificate with actual value	✓		✓		✓		✓	
	Entrance (As Found) measurement with Calibration Certificate of actual value	n/a		n/a		n/a		✓	
		ISO 8655 Specifications (standard)	Manufacturer Specifications	ISO 8655 Specifications (standard)	Manufacturer Specifications	ISO 8655 Specifications (standard)	Manufacturer Specifications	ISO 8655 Specifications (standard)	Manufacturer Specifications
	Single-channel fixed volume	✓	✓	n/a	n/a	✓	✓	✓	✓
	Single-channel variable volume, manual / electronic, dispenser	✓	✓	✓	✓	✓	✓	✓	✓
	8-Channel, manual / electronic	✓	✓	✓	✓	✓	✓	✓	✓
	12-Channel, manual / electronic	✓	✓	✓	✓	✓	✓	✓	✓
	Bottle-top dispenser	n/a	✓	n/a	✓	n/a	✓	n/a	✓
	Further services/ special requirements	On request							

n/a = not available. 16-Channel Pipettes and other services on request.
*Parts are charged at extra cost. Should you need an estimate of costs contact us accordingly.
** For single-channel fixed volume pipettes 1 test volume only. Optionally manufacturer's specifications or to ISO 8655 (standard).

All measurements are carried out with TipOne® pipette tips.
If you prefer the calibration to be carried out with the original manufacturer's tips, please provide us with a sufficient quantities.

Accredited calibration laboratory

The precise and accurate function of pipettes and dispensers are irreplaceable in your daily laboratory routine. In order to meet our quality standards, our calibration laboratory of STARLAB International GmbH has been accredited according to ISO 17025 by the Deutsche Akkreditierungsstelle (DAkkS). You can be utterly sure that this accreditation meets the highest international standards.

Moreover, STARLAB International GmbH is certified according to ISO 9001, 14001 and 13485 and we conduct regular internal and external audits.

DAkkS
Deutsche Akkreditierungsstelle
D-K-20788-01-00

		SERVICE LEVELS					
		As Found measurement		**As Returned measurement**		**As Found and As Returned Measurement**	
	Recommended for:	Accredited and certified laboratories requiring verification of traceability (As Found measurement only)		Accredited and certified laboratories requiring verification of traceability (As Returned measurement only)		Accredited and certified laboratories requiring verification of traceability (As Found and As Returned)	
Calibration	Number of test volumes	3**		3**		3**	
	Readings of test volume	10		10		10	
	Calibration Certificate with actual value	✓		✓		✓	
	Entrance (As Found) measurement with Calibration Certificate of actual value	✓		-		✓	
		ISO 8655 Specifications (standard)	Manufacturer Specifications	ISO 8655 Specifications (standard)	Manufacturer Specifications	ISO 8655 Specifications (standard)	Manufacturer Specifications
	Single-channel fixed volume	✓	✓	✓	✓	✓	✓
	Single-channel variable volume, manual / electronic, dispenser	✓	✓	✓	✓	✓	✓
	8-Channel, manual / electronic	✓	✓	✓	✓	✓	✓
	12-Channel, manual / electronic	✓	✓	✓	✓	✓	✓
	Further services/ special requirements	On request					

** For single-channel fixed volume pipettes 1 test volume only. Optionally manufacturer's specifications or to ISO 8655 (standard).

All measurements are carried out with TipOne® pipette tips.
If you would prefer the calibration to be carried out with the original manufacturer's tips, please provide us with a sufficient quantities.

Do you have any questions?

For further information please see our order form and visit our website at www.starlab.click/pipetteservice. Did you find our service offer comprehensive? In case you have any further questions, please do not hesitate to contact us by e-mail at service@starlab.de, by phone at +49 (0)40 675 99 39 12 or simply use our pipette service order form at www.starlab.click/**pipetteservice**.

Service form

Delivery Address	Invoice Address
	Please only fill in if deviates from delivery address.

Sender's information					
customer number	your order number	contact	telephone	fax	e-mail

Calibration interval (please tick one)					
annually		twice a year		quarterly	

Estimate of costs (please tick one)			
from 30,- €*		from 50,- €*	

* per pipette

Specifications according to (please tick one)					
ISO 8655 (standard)		manufacturer		customer's SOP	

Service Level (please tick one)	☐ 2 STAR ☐ 2 STAR easy ☐ 3 STAR ☐ GLP 3 STAR ☐ DAkkS input measurement ☐ DAkkS service & calibration

Please note: Our Standard 2 Star calibration according to to ISO 8655 with a yearly test interval will be performed, if the above boxes not be ticked.

Pipette information / Calibration requirements			
Manufacturer	Volume	Serial No.	Comment / identified problem
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

Declaration of Decontamination		
Please be aware that our technicians only accept decontaminated/non-hazardous pipettes. Please confirm your pipettes are safe for us to work on by completing and signing the declaration below. If you don´t complete the declaration we cannot process your pipettes. Thank you for your assistance.		
Was decontamination of the pipette(s) necessary?	☐ Yes ☐ No	
If yes, what type of contamination?		
Method of decontamination:		
We confirm that our pipettes have been cleaned and decontaminated of any microbiological, chemical or radioactive contamination and that they are safe to handle.	Date	Signature

STARLAB International GmbH / Pipette Service
Neuer Höltigbaum 38 · 22143 Hamburg
T: +49 40 675 99 39 12 · F: +49 40 675 99 39 20
service@starlab.de · www.starlabgroup.com

Buy in Bulk!

Reduce packing materials and multiple deliveries

TUBES
Microcentrifuge Tubes 50–54
Microcentrifuge Tube Accessories 55
Preparation Tubes 55
Screw Cap Microtubes 56–57
Cryogenic Vials 58
Centrifuge Tubes 15 ml & 50 ml 59
Culture Tubes 59
Microtubes in Rack 60

PCR CONSUMABLES
PCR Tubes 61
PCR Strips 62–65
PCR Disks 65
Non-Skirted PCR Plates 66–67
Semi-Skirted PCR Plates 68
Skirted PCR Plates 69
PCR Plate-Sealing Overview 70

PLATES
PlateOne® Deepwell Plates 71
PlateOne® Microplates 72

PLATE SEALING
Sealing Films & Foils 73–74
Sealing Accessories 73

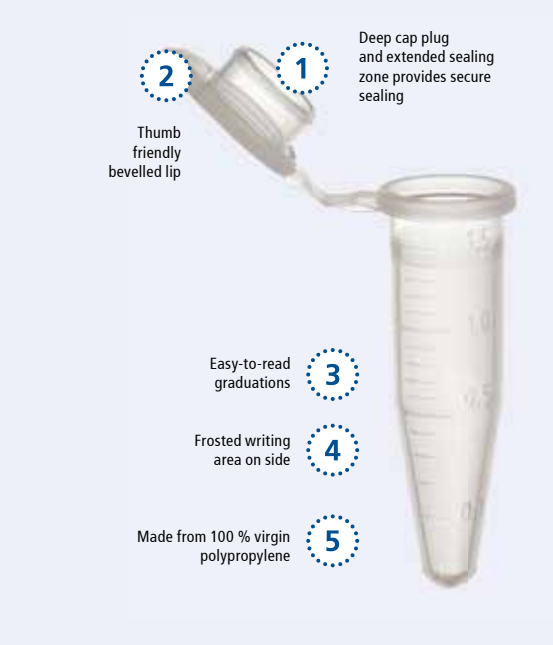
PARAFILM®
Parafilm® Sealing Film 75

FILTRATION FUNNELS 75

REAGENT RESERVOIRS 76–77

LABELLING
Laboratory Labels 78
Laboratory ID Tape 79
BMP™ 21 - LAB Label Printer 80
Label Cartrigdes for BMP™ 21 Printer Series 81
Label Cartridges for LabPal™ & LabXpert™ 82

Microcentrifuge Tubes



TubeOne® microcentrifuge tubes

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

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

Features

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

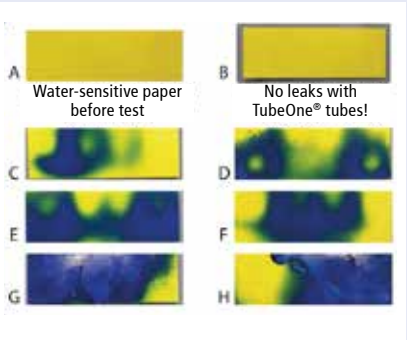
ORDER INFORMATION			
Description / Tube Colour	**Sterile**	**Pack Size**	**Cat. No.**
0.5 ml TubeOne® Microcentrifuge Tubes			
0.5 ml TubeOne® Microcentrifuge Tube, Natural	No	5 x 200	S1605-0000
0.5 ml TubeOne® Microcentrifuge Tube, Mixed[1)]	No	5 x 200	S1605-0099
1.5 ml TubeOne® Microcentrifuge Tubes			
1.5 ml TubeOne® Microcentrifuge Tube, Natural	No	500	S1615-5500
1.5 ml TubeOne® Microcentrifuge Tube, Natural	No	5 x 100	S1615-5550
1.5 ml TubeOne® Microcentrifuge Tube, Natural	Yes	5 x 100	S1615-5510
1.5 ml TubeOne® Microcentrifuge Tube, Mixed[1)]	No	5 x 100	S1615-5599
2.0 ml TubeOne® Microcentrifuge Tubes			
2.0 ml TubeOne® Microcentrifuge Tube, Natural	No	500	S1620-2700
2.0 ml TubeOne® Microcentrifuge Tube, Mixed[1)]	No	5 x 100	S1620-2799

[1)]Mixed packs contain following colour tubes: blue, green, red, violet and yellow.

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

Microcentrifuge tube leak test

Does your tube maintain a seal while heating? Although a tube may remain closed, evaporation can occur when a seal is incomplete. TubeOne® passes the test with no leaks!
Water-sensitive paper has a special-coated yellow surface that turns blue when exposed to moisture. This indicating paper (A) was placed across the top of TubeOne® (B) and other brands of tube (C–H), all containing 1.0 ml of 50 % ethanol and incubated at 95 °C for 15 minutes in a dry bath with a tightly closed lid. Tubes C – H showed varying levels of failure.

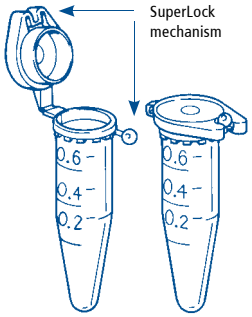


www.starlab.click/**tubeone**

Crystal Clear Tubes – The difference is clear!

- ´Crystal Clear´ polypropylene tubes for the ultimate in sample visibility
- Ultra smooth tube bottoms for 100% visibility
- Frosted writing surface
- Autoclavable
- Thin cap membrane for easy sample access with a syringe needle
- Rated at 14,000–20,000 x g
- Certified RNase, DNase and Pyrogen free

ORDER INFORMATION			
Description	**Sterile**	**Pack Size**	**Cat. No.**
0.6 ml Crystal Clear Microcentrifuge Tube	No	2 x 500	E1405-0600
0.6 ml Crystal Clear Microcentrifuge Tube	Yes	5 x 100	E1405-0610
1.5 ml Crystal Clear Microcentrifuge Tube	No	500	E1415-1500
1.5 ml Crystal Clear Microcentrifuge Tube	Yes	5 x 50	E1415-1510
2.0 ml Crystal Clear Microcentrifuge Tube	No	500	E1420-2000
2.0 ml Crystal Clear Microcentrifuge Tube	Yes	5 x 50	E1420-2010
NOTE: Due to the sterilisation process, sterile tubes are not quite as clear as the non-sterile tubes.			



Super safe, SuperLock tubes

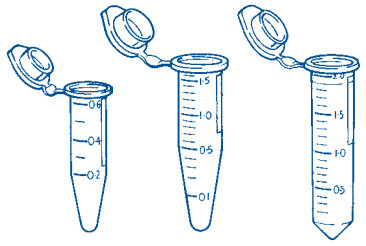
- Locking tubes for high security.
- Pierceable cap and frosted writing area
- Rated at 17,000 x g
- Certified RNase and DNase free

ORDER INFORMATION			
Description	**Sterile**	**Pack Size**	**Cat. No.**
0.5 ml SuperLock Microcentrifuge Tube, Natural	No	1000	E1405-5100
1.5 ml SuperLock Microcentrifuge Tube, Natural	No	500	I1415-5100
2.0 ml SuperLock Microcentrifuge Tube, Natural	No	500	E1420-5100
2.0 ml SuperLock Microcentrifuge Tube, Mixed[1)]	No	500	E1420-5108
[1)]Mixed packs contain following colour tubes: blue, green, orange, pink, violet and yellow.			

FREE SAMPLE TRY before you BUY available on request

www.starlab.click/**microcentrifugetubes**

Microcentrifuge Tubes



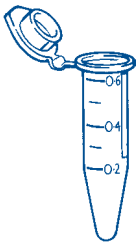
Ultra high recovery tubes

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

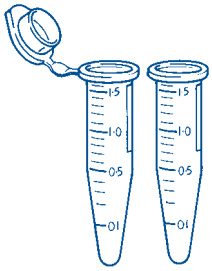
ORDER INFORMATION			
Description	**Colour**	**Pack Size**	**Cat. No.**
0.5 ml Ultra High Recovery Microcentrifuge Tube	Natural	500	E1405-2600
1.5 ml Ultra High Recovery Microcentrifuge Tube	Natural	250	E1415-2600
2.0 ml Ultra High Recovery Microcentrifuge Tube	Natural	250	I 1420-2600

High speed tubes

- Solidly constructed for high speed centrifugation of max. 35,000 x g (not routinely tested at this force)
- 1.5 ml or 2.0 ml
- Temperature range: -90 °C to 121 °C
- Autoclavable
- Certified RNase, DNase & DNA free

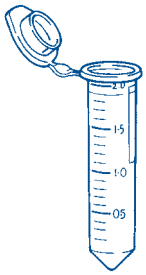


ORDER INFORMATION			
Description	**Colour**	**Pack Size**	**Cat. No.**
0.5 ml Homopolymer Microcentrifuge Tube	Natural	1000	I1405-1500
0.5 ml Homopolymer Microcentrifuge Tube	Blue	1000	I1405-1501
0.5 ml Homopolymer Microcentrifuge Tube	Green	1000	I1405-1502
0.5 ml Homopolymer Microcentrifuge Tube	Orange	1000	I1405-1503
0.5 ml Homopolymer Microcentrifuge Tube	Red	1000	I1405-1504
0.5 ml Homopolymer Microcentrifuge Tube	Violet	1000	I1405-1505
0.5 ml Homopolymer Microcentrifuge Tube	Yellow	1000	I1405-1506
0.5 ml Homopolymer Microcentrifuge Tube	Amber	1000	I1405-1507
0.5 ml Homopolymer Microcentrifuge Tube	Mixed	1000	I1405-1508



ORDER INFORMATION			
Description	**Colour**	**Pack Size**	**Cat. No.**
1.5 ml Homopolymer Microcentrifuge Tube	Natural	500	I1415-1000
1.5 ml Homopolymer Microcentrifuge Tube	Blue	500	I1415-1001
1.5 ml Homopolymer Microcentrifuge Tube	Green	500	I1415-1002
1.5 ml Homopolymer Microcentrifuge Tube	Orange	500	I1415-1003
1.5 ml Homopolymer Microcentrifuge Tube	Red	500	I1415-1004
1.5 ml Homopolymer Microcentrifuge Tube	Violet	500	I1415-1005
1.5 ml Homopolymer Microcentrifuge Tube	Yellow	500	I1415-1006
1.5 ml Homopolymer Microcentrifuge Tube	Amber	500	I1415-1007
1.5 ml Homopolymer Microcentrifuge Tube	Mixed	500	I1415-1008
1.5 ml Homopolymer Microcentrifuge Tube (no Cap	Natural	500	E1415-2850

ORDER INFORMATION			
Description	**Colour**	**Pack Size**	**Cat. No.**
Microcentrifuge Tube 1.5 ml	Natural	500	I1415-2500
Microcentrifuge Tube 1.5 ml	Blue	500	I1415-2501
Microcentrifuge Tube 1.5 ml	Green	500	I1415-2502
Microcentrifuge Tube 1.5 ml	Orange	500	I1415-2503
Microcentrifuge Tube 1.5 ml	Red	500	I1415-2504
Microcentrifuge Tube 1.5 ml	Violet	500	I1415-2505
Microcentrifuge Tube 1.5 ml	Yellow	500	I1415-2506
Microcentrifuge Tube 1.5 ml	Mixed	500	I1415-2508



ORDER INFORMATION			
Description	**Colour**	**Pack Size**	**Cat. No.**
2.0 ml Homopolymer Microcentrifuge Tube	Natural	500	I1420-2700
2.0 ml Homopolymer Microcentrifuge Tube	Blue	500	I1420-2701
2.0 ml Homopolymer Microcentrifuge Tube	Green	500	I1420-2702
2.0 ml Homopolymer Microcentrifuge Tube	Orange	500	I1420-2703
2.0 ml Homopolymer Microcentrifuge Tube	Red	500	I1420-2704
2.0 ml Homopolymer Microcentrifuge Tube	Violet	500	I1420-2705
2.0 ml Homopolymer Microcentrifuge Tube	Yellow	500	I1420-2706
2.0 ml Homopolymer Microcentrifuge Tube	Amber	500	I1420-2707
2.0 ml Homopolymer Microcentrifuge Tube	Mixed	500	I1420-2799
2.0 ml Homopolymer Microcentrifuge Tube, no Cap	Natural	500	E1420-2850

Microcentrifuge Tubes

Single wrapped microcentrifuge tubes

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

ORDER INFORMATION			
Description	**Colour**	**Pack Size**	**Cat. No.**
Microcentrifuge Tube 0.6 ml Single Wrap, Sterile	Natural	500	I1405-0510
Microcentrifuge Tube 1.5 ml Single Wrap, Sterile	Natural	250	I1415-5510

Capless microcentrifuge tube

ORDER INFORMATION			
Description	**Colour**	**Pack Size**	**Cat. No.**
Microcentrifuge Tube (No Cap) 1.5 ml	Natural	1000	I1414-5500

Microcentrifuge tube with cap

- Volume: 0.4 ml
- Rated at: 25,000 x g
- Low density polyethylene
- LDPE is soft and easily cut to remove pellets
- Autoclavable

ORDER INFORMATION			
Description	**Colour**	**Pack Size**	**Cat. No.**
Microcentrifuge Tube/attached Cap 0.4 ml	Natural	1000	I1404-1000

Microcentrifuge Tube Accessories

ORDER INFORMATION				
		For Use with	**Pack Size**	**Cat. No.**
	Cap Locks: Reusable cap locks to securely seal tubes for rigorous boiling/ freezing. Assorted colours for easier sample identification. Compatible with 'Crystal Clear' Microcentrifuge Tubes.	0.5 ml Tubes	100	E1405-9000
		1.5/2.0 ml Tubes	100	I1415-1508
	Tube Openers: For use with all microcentrifuge tubes, 0.5 ml to 2.0 ml. Also aids the safe opening of glass ampules.	0.5 ml to 2.0 ml Tubes	100	I1400-1008
	Microtube Pestles: Disposable polypropylene pestles. Ideal for homo-genising cells or resuspending DNA or protein pellets. Certified RNase, DNase and DNA free.	0.5 ml Tubes	10	I1405-4390
		1.5/2.0 ml Tubes	10	I1415-5390
All Cap Locks, Microtube Openers and Microtube Pestles are suplied in mixed packs of blue, green, orange, red, pink and yellow.				

FREE SAMPLE TRY before you BUY available on request

Preparation Tubes

Do you need to prepare samples up to 5.0 ml but don't want to use 15 ml tubes? Then use our 5.0 ml preparation tubes!

- 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
- Frosted writing areas on 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

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

ORDER INFORMATION			
Description	**Colour**	**Pack Size**	**Cat. No.**
Conical Tubes			
5.0 ml Preparation Tube, Conical	Natural	200	E1450-1100
5.0 ml Preparation Tube, Conical	Blue	200	E1450-1101
5.0 ml Preparation Tube, Conical	Green	200	E1450-1102
5.0 ml Preparation Tube, Conical	Red	200	E1450-1104
5.0 ml Preparation Tube, Conical	Yellow	200	E1450-1106
5.0 ml Preparation Tube, Conical	Black	200	E1450-1108
Dimensions (HxØ): 60 x 18 mm (tube) / 30 mm (cap at widest point).			

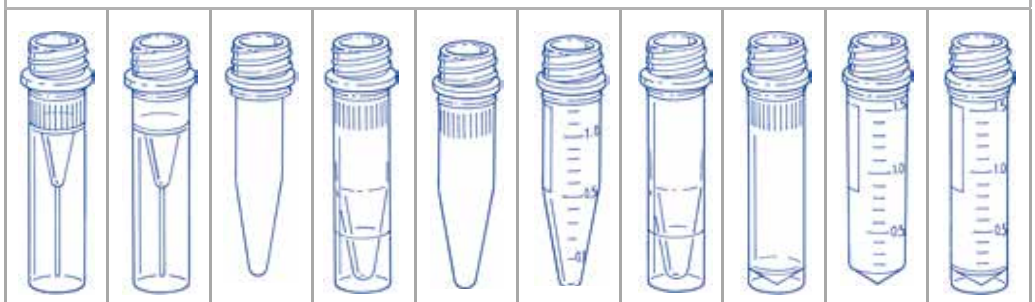
www.starlab.click/**preparationtubes**

Screw Cap Microtubes

Mix and match – tubes and caps!

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

ORDER INFORMATION



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 Pack 500	E1405-2140 Pack 500	E1405-2130 Pack 500	E1415-2220 Pack 500	E1415-2210 Pack 500	E1415-2230 Pack 500	E1415-2240 Pack 500	E1420-2320 Pack 500	E1420-2330 Pack 500	E1420-2340 Pack 500
Amber Tubes 100% polypropylene Suitable for light sensitive samples.	E1405-2127 Pack 500	n/a	n/a	E1415-2227 Pack 500	n/a	E1415-2237 Pack 500	n/a	n/a	E1420-2337 Pack 500	E1420-2347 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[1] polypropylene cap with a coloured seal/grip made from inert TPE. One-piece construction ensures a leak-free seal that will never fall out!	E1480-0300 Pack 500	E1480-0301 Pack 500	E1480-0302 Pack 500	E1480-0303 Pack 500	E1480-0304 Pack 500	E1480-0305 Pack 500	E1480-0306 Pack 500	E1480-0309 Pack 500	E1480-0399 Pack 500

[1]except E1480-0300 which is clear.

STANDARD & TETHERED CAPS ONLY

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

Screw Cap Microtubes (Sterile)

Sterile product is supplied in convenient, resealable mini pouches

	ORDER INFORMATION				
Tube Volume:	**0.5 ml**	**1.5 ml**	**1.5 ml**	**2.0 ml**	**2.0 ml**
Tube Style:	**Plain**	**Graduated**	**Plain**	**Graduated**	**Graduated**
Tube Base:	**Skirted**	**Conical**	**Skirted**	**Conical**	**Skirted**
with Natural Standard Caps (Sterile) Ready-assembled tubes and natural standard caps with o-ring seal.	E1405-2141 Pack 5 x 50	E1415-2231 Pack 5 x 50	E1415-2241 Pack 5 x 50	E1420-2331 Pack 5 x 50	E1420-2341 Pack 5 x 50
with Natural Tethered Caps (Sterile) Ready-assembled tubes and natural tethered caps wtih o-ring seal.	E1405-2142 Pack 5 x 50	E1415-2232 Pack 5 x 50	E1415-2242 Pack 5 x 50	E1420-2332 Pack 5 x 50	E1420-2342 Pack 5 x 50
with Natural/White EasyGrip Caps (Sterile) Ready-assembled tubes and natural EasyGrip Caps with white integral grip/seal.	E1405-2143 Pack 5 x 50	E1415-2233 Pack 5 x 50	E1415-2243 Pack 5 x 50	E1420-2333 Pack 5 x 50	E1420-2343 Pack 5 x 50
with White/Colour EasyGrip Caps (Sterile)[1)] Ready-assembled tubes and opaque white EasyGrip Caps with coloured, integral grip/seal.	E1405-030# Pack 5 x 50	E1415-030# Pack 5 x 50	E1415-031# Pack 5 x 50	E1420-030# Pack 5 x 50	E1420-031# Pack 5 x 50
[1)]To order colour of grip/seal required, replace # as last digit of Cat. No. with:	1 for Blue	2 for Green	4 for Red	6 for Yellow	

Assembled sterile tubes & caps

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

Ready-assembled sterile tubes and EasyGrip Caps

E1420-0314

High Impact Screw Cap Microtubes

High impact tube specially formulated for bead-beating applications

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

Supplied ready assembled.

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

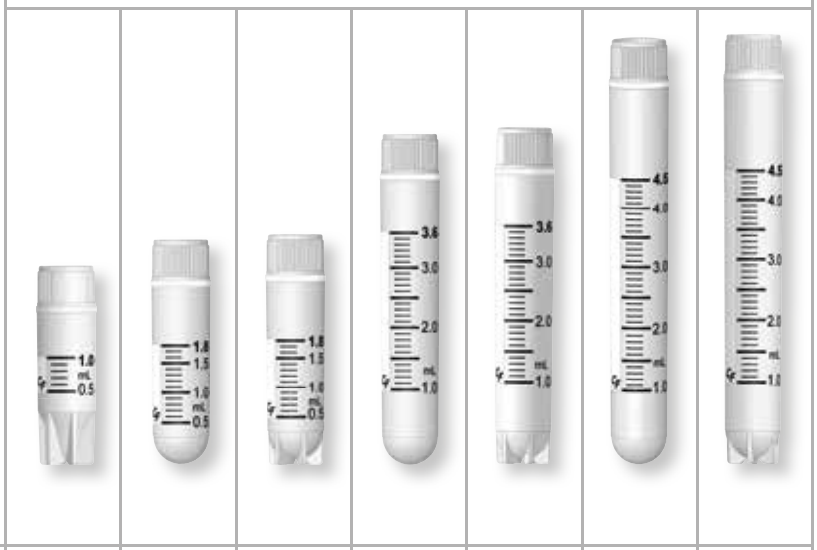
ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
2.0 ml Graduated, High Impact Screw Cap Microtube	200	E1420-2641

Cryogenic Vials

Cryogenic Vials for the storage and transportation of biological material.

- Made from 100 % polypropylene
- For storage down to -196 °C; **should only be used in the gas phase of liquid nitrogen**
- Internal threaded vials with a silicone seal in cap for the highest possible impermeability
- Skirted vials lock into racks for easy single-handed work
- White writing area and highly-visible black graduations at 100 µl increments
- Sterile and certified RNase, DNase, DNA, PCR Inhibitor and Endotoxin free

ORDER INFORMATION



	Tube Volume	1.0 ml	1.8 ml	1.8 ml	3.6 ml	3.6 ml	4.5 ml	4.5 ml
	Tube Style	**Skirted**	**Conical**	**Skirted**	**Conical**	**Skirted**	**Conical**	**Skirted**
External Threaded Tube Self-Sealing Cap, Sterile		E3090-6212 Pack Size: 10 x 50 Height: 41 mm	E3090-6321 Pack Size: 10 x 50 Height: 43 mm	E3090-6222 Pack Size: 10 x 50 Height: 48 mm	n/a	n/a	n/a	E3090-6242 Pack Size: 6 x 50 Height: 91 mm
Internal Threaded Tube Silicone Seal in Cap, Sterile		E3110-6112 Pack Size: 10 x 50 Height: 42 mm	E3110-6121 Pack Size: 10 x 50 Height: 46 mm	E3110-6122 Pack Size: 10 x 50 Height: 49 mm	E3110-6131 Pack Size: 8 x 50 Height: 70 mm	E3110-6132 Pack Size: 8 x 50 Height: 71 mm	E3110-6141 Pack Size: 6 x 50 Height: 90 mm	E3110-6142 Pack Size: 6 x 50 Height: 91 mm

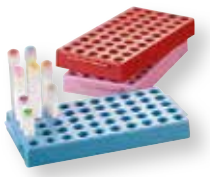
The caps of the cryogenic vials can be colour coded with coloured cap inserts.

ORDER INFORMATION

E1494-6###[1] Pack Size: 500

[1]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



See pages 102 – 103 for cryogenic storage boxes

50-PLACE LOCK RACKS

Description	Pack Size	Cat. No.
50-Place Lock Rack, Blue	4	E2350-4001
50-Place Lock Rack, Red	4	E2350-4004
50-Place Lock Rack, Violet	4	E2350-4005

CRYOGENIC ACCESSORIES

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

Centrifuge Tubes

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

- Clear, polypropylene tubes with blue HDPE screw caps
- Clearly marked graduations
- White writing surface
- Sterile
- Centrifugation rates (swing bucket / fixed angle rotors): 4,000 / 15,000 x g (15 ml) 3,200 / 9,500 x g (50 ml)
- Certified RNase, DNase, DNA and pyrogen free

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
15 ml Centrifuge Tubes		
15 ml Centrifuge Tube, Conical, Loose (Sterile)	10 x 50-Tube Bags	E1415-0200
15 ml Centrifuge Tube, Conical, Racked (Sterile)	10 x 50-Tube Racks	E1415-0800
50 ml Centrifuge Tubes		
50 ml Centrifuge Tube, Conical, Loose (Sterile)	10 x 50-Tube Bags	E1450-0200
50 ml Centrifuge Tube, Conical, Racked (Sterile)	20 x 25-Tube Racks	E1450-0800
Dimensions incl. cap (HxØ): 15 ml: 120.5 x 22 mm. 50 ml: 115.5 x 34.9 mm.		

FREE SAMPLE TRY before you BUY available on request

Skirted 50 ml centrifuge tubes

- Clear polypropylene tubes with blue High-Density Polyethylene screw caps
- Centrifugation rate (swing bucket / fixed angle rotors): 2,800 / 11,500 x g
- Clearly marked graduations and white writing area
- Sterile and certified RNase, DNase, DNA and Pyrogen free

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
50 ml Centrifuge Tube, Skirted, Loose (Sterile)	10 x 50-Tube Bags	E1450-0500
Dimensions incl. cap (HxØ): 116.5 x 34.9 mm.		

Culture Tubes

Polypropylene or polystyrene

These disposable sterile tubes can be used for most routine laboratory procedures. They are made from polypropylene (PP) or polystyrene (PS), biologically inert and exempt from mold release agents. High resistance to breakage reduces danger in handling infectious or other potentially harmful cultures. The dual position polyethylene caps can be left loose for aerobic work or sealed for anaerobic culture.

- 14 ml capacity
- White writing area
- Graduations marked at 0.25 ml increments
- Centrifugation rates: 3000 x g (PP), 1400 x g (PS)
- Temperature use: -190 °C to 120 °C (PP) / -10 °C to 70 °C (PS)
- Sterile

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
Polypropylene Culture Tube with Cap (Sterile)	20 x 25-Tube Bags	I1485-0810
Polystyrene Culture Tube with Cap (Sterile)	20 x 25-Tube Bags	I1485-2810
Dimensions (HxØ) 95 x 17 mm. PP tubes are autoclavable, but only without the cap.		

Microtubes in Rack

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

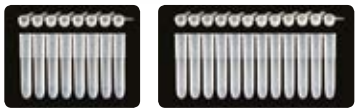
Microtubes in rack with removable base

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 in temperatures down to -80 °C.

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
1.2 ml Microtubes in Rack	10	I 1412-7400
1.2 ml Microtubes in Rack (Sterile)	10	I 1412-7410
8-Strip Caps for 1.2 ml Microtubes	120	I 1494-1400
8-Strip Caps for 1.2 ml Microtubes (Sterile)	120	I 1494-1410
NOTE: PP tubes and racks are autoclavable, but the PE strip caps can not be autoclaved. Rack dimensions with lid (W x D x H): 85 x 127 x 41 mm.		

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
- Interchangeable system offering a wide choice of configurations
- Rack has clear, printed matrix and transparent lid
- Temperature use: -80 °C to 121 °C
- Certified RNase, DNase, DNA and Pyrogen free

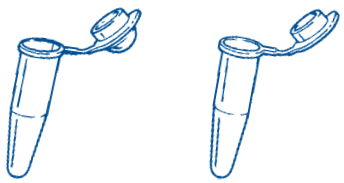


ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
Racks / Individual Tubes		
1.2 ml Reaction Tubes in Rack (96 Individual Tubes)	10	E1750-0400
1.2 ml Reaction Tubes in Rack (96 Individual Tubes) (Sterile)	10	E1750-0410
1.2 ml Individual Reaction Tubes	1000	E1710-0000
Racks / 8-Strip Tubes		
1.2 ml Reaction Tubes in Rack (12 x 8-Strip Tubes)	10	E1760-8400
1.2 ml Reaction Tubes in Rack (12 x 8-Strip Tubes) (Sterile)	10	E1760-8410
1.2 ml 8-Strip Reaction Tubes	125	E1720-8000
Racks / 12-Strip Tubes		
1.2 ml Reaction Tubes in Rack (8 x 12-Strip Tubes)	10	E1770-9400
1.2 ml Reaction Tubes in Rack (8 x 12-Strip Tubes) (Sterile)	10	E1770-9410
1.2 ml 12-Strip Reaction Tubes	80	E1730-9000
Strip Caps		
8-Strip Caps for 1.2 ml Reaction Tubes	125	E1702-8400
8-Strip Caps for 1.2 ml Reaction Tubes (Sterile)	125	E1702-8410
12-Strip Caps for 1.2 ml Reaction Tubes	80	E1703-9400
12-Strip Caps for 1.2 ml Reaction Tubes (Sterile)	80	E1703-9410
NOTE: PP tubes and racks are autoclavable, but the PE strip caps can not be autoclaved. Rack dimensions with lid (W x D x H): 128 x 85.5 x 47.25 mm.		

PCR Tubes

Single tubes

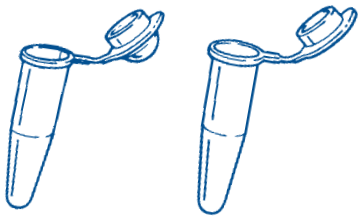
- 0.2 ml and 0.5 ml polypropylene tubes for PCR
- Natural or mixed
- 0.2 ml tube with 'Xtra-Clear' flat cap for qPCR
- 0.5 ml option with pierceable cap
- Positive click on closing gives assurance tubes are fully closed
- Compatible with most thermal cyclers
- Supplied in resealable bags
- Autoclavable
- Certified RNase, DNase, DNA and PCR Inhibitor free
- Endotoxin-free



ORDER INFORMATION			
Description	**Colour**	**Pack Size**	**Cat. No**
Domed Caps			
0.2 ml PCR Tube, Domed Cap	Natural	1000	I1402-4300
0.2 ml PCR Tube, Domed Cap	Mixed[1)]	5 x 200	I1402-4308
Flat Caps			
0.2 ml PCR Tube, Flat Cap	Natural	1000	I1402-8100
0.2 ml PCR Tube, Flat Cap	Mixed[1)]	5 x 200	I1402-8108
0.2 ml PCR Tube, Flat Cap (Xtra-Clear)	Natural	1000	I1402-8200
[1)]Mixed packs contain: blue, green, red, violet and yellow.			

These tubes have an integral shield on the cap which prevents accidental finger contamination with the surface of the lid.

ORDER INFORMATION			
Description	**Colour**	**Pack Size**	**Cat. No**
Domed Caps			
0.2 ml PCR Tube, Domed Shielded Cap	Natural	1000	S1602-4300
Flat Caps			
0.2 ml PCR Tube, Flat Shielded Cap	Natural	1000	B1402-5500



ORDER INFORMATION			
Description	**Colour**	**Pack Size**	**Cat. No**
Domed Caps			
0.5 ml PCR Tube, Domed Cap	Natural	1000	I1405-8200
Flat Caps			
0.5 ml PCR Tube, Flat Cap	Natural	1000	I1405-8100
0.5 ml PCR Tube, Flat Cap	Mixed[1)]	5 x 200	I1405-8108
0.5 ml PCR Tube, Flat Piercable Cap	Natural	1000	B1408-3300
[1)]Mixed packs contain: blue, green, red, violet and yellow.			

get GREEN with STARLAB

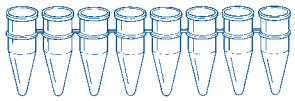
Larger pack sizes reduce packing materials and transport emissions

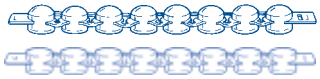
www.starlab.click/**pcrtubes**

PCR Strips

Strip tubes and strip caps

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





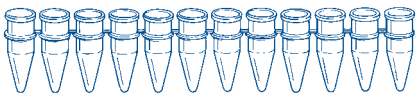
FREE SAMPLE TRY before you BUY available on request

get GREEN with STARLAB

Larger pack sizes reduce packing materials and transport emissions

ORDER INFORMATION			
Description	**Colour**	**Pack Size**	**Cat. No**
Strip Tubes			
0.2 ml 8-Strip PCR Tubes	Natural	125	I 1402-3500
0.2 ml 8-Strip PCR Tubes	Natural	10 x 125	I 1402-3500-C
0.2 ml 8-Strip PCR Tubes	Mixed[1)]	5 x 25	I 1402-3508
0.2 ml 8-Strip PCR Tubes	White	125	I 1402-3509
0.1 ml 8-Strip PCR Tubes, Low-Profile	Natural	125	I 1402-3600
0.1 ml 8-Strip PCR Tubes, Low-Profile	White	125	I 1402-3609
Strip Caps			
8-Strip PCR Caps, Domed	Natural	125	I 1400-0800
8-Strip PCR Caps, Domed	Natural	10 x 125	I 1400-0800-C
8-Strip PCR Caps, Domed	Mixed[1)]	5 x 25	I 1400-0808
8-Strip PCR Caps, Domed, Perfect Seal	Natural	125	I 1400-0810
8-Strip PCR Caps, Domed, Perfect Seal	Mixed[1)]	5 x 25	I 1400-0818
8-Strip PCR Caps, Flat (Xtra-Clear)	Natural	125	I 1400-0900
8-Strip Tube & Cap Combo Packs			
0.1 ml 8-Strip PCR Tubes, Low-Profile and 8-Strip PCR Caps, Flat (Xtra-Clear)	Natural	125	I1402-4700
0.2 ml 8-Strip PCR Tubes and 8-Strip PCR Caps, Flat (Xtra-Clear)	Natural	125	I1402-5700
0.2 ml 8-Strip PCR Tubes and 8-Strip PCR Caps, Domed	Natural	125	I1402-6700
0.1 ml 8-Strip PCR Tubes, Low-Profile, White and 8-Strip PCR Caps, Flat (Xtra-Clear)	White / Natural	125	I1409-4700
0.2 ml 8-Strip PCR Tubes, White and 8-Strip PCR Caps, Flat (Xtra-Clear)	White / Natural	125	I1409-5700

[1)]Mixed packs contain: blue, green, red, violet and yellow.

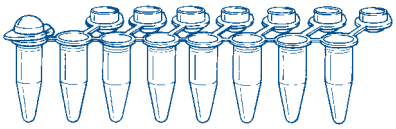


ORDER INFORMATION			
Description	**Colour**	**Pack Size**	**Cat. No**
Strip Tubes			
0.2 ml 12-Strip PCR Tubes	Natural	80	I 1402-1200
0.2 ml 12-Strip PCR Tubes	Natural	10 x 80	I 1402-1200-C
0.2 ml 12-Strip PCR Tubes	Mixed[1)]	5 x 16	I 1402-1208
Strip Caps			
12-Strip PCR Caps, Domed	Natural	80	I 1400-1200
12-Strip PCR Caps, Domed	Natural	10 x 80	I 1400-1200-C
12-Strip PCR Caps, Domed	Mixed[1)]	5 x 16	I 1400-1208
12-Strip PCR Caps, Domed, Perfect Seal	Natural	80	I 1400-1300
12-Strip PCR Caps, Flat (Xtra-Clear)	Natural	80	I 1400-1290

[1)]Mixed packs contain: blue, green, red, violet and yellow.

Tube Strips with attached caps

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



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

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

ORDER INFORMATION			
Description	**Colour**	**Pack Size**	**Cat. No**
Domed Caps			
0.2 ml 8-Strip PCR Tubes, Individually Attached Domed Caps	Natural	120	I1402-2900
0.2 ml 8-Strip PCR Tubes, Individually Attached Domed Caps	Mixed[1)]	5 x 24	I1402-2908
Xtra-Clear Flat Caps, Low-Profile			
0.1 ml 8-Strip PCR Tubes, Individually Attached Flat Caps (Xtra-Clear), Low-Profile	Natural	120	A1402-3800
Xtra-Clear Flat Caps			
0.2 ml 8-Strip PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	Natural	120	A1402-3700
0.2 ml 8-Strip PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	Natural	10 x 120	A1402-3700-C

[1)]Mixed pack contains: blue, green, red, violet and yellow.

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

ORDER INFORMATION			
Description	**Colour**	**Pack Size**	**Cat. No**
Domed Caps			
0.2 ml 8-Strip PCR Tubes, Attached Domed Cap Strip	Natural	125	I1402-2800
Xtra-Clear Flat Caps			
0.2 ml 8-Strip PCR Tubes, Attached Flat Cap Strip (Xtra-Clear)	Natural	125	I1402-2700
0.2 ml 8-Strip White PCR Tubes, Attached, Flat Cap Strip (Xtra-Clear)	White / Natural	125	I1409-2700

White Tubes with X-Clear Caps!

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

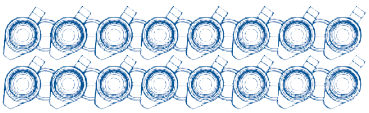
PCR Strips

Non-Flex Strips – stronger strips for easier handling!

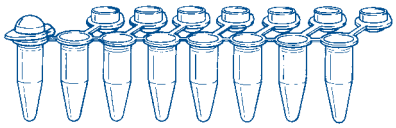
Non-flex tubes have a robust, triple link between each tube making them less flexible and easier to handle.

Individually attached caps eliminate the possibility of cross-contamination through accidental cap–tube mix

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



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



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

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

FREE SAMPLE TRY before you BUY available on request

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

ORDER INFORMATION			
Description	**Colour**	**Pack Size**	**Cat. No**
Xtra-Clear Flat Caps, Low-Profile			
0.1 ml 8-Strip Low-Profile Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	Natural / Natural	120	I1402-3800
0.1 ml 8-Strip Low-Profile White Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	White / Natural	120	I1409-3800
Xtra-Clear Flat Caps			
0.2 ml 8-Strip Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	Natural / Natural	120	I1402-3700
0.2 ml 8-Strip Mixed Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	Mixed[1)] / Natural	120	I1402-3708
0.2 ml 8-Strip White Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	White / Natural	120	I1409-3700
[1)]Mixed pack contains: blue, green, red, violet and yellow.			

www.starlab.click/**pcrstrips**

get GREEN with STARLAB

Larger pack sizes reduce packing materials and transport emissions

Rotor-Gene® Style PCR Strips

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

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

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

www.starlab.click/**pcrstrips**

PCR Discs

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

One pack of **100-well discs** provides 3000 reactions

Rotor-Gene® Style Discs

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

Two versions are available:

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

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

Product features

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

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

www.starlab.click/**pcrdisks**

Non-Skirted PCR Plates

Non-Skirted PCR Plates

- Low profile and standard height
- Opaque black or white available for qPCR
- Non-skirted plates for a universal fit, suitable for most thermal cyclers
- Convenient, small pack sizes
- Autoclavable
- Certified RNase, DNase, DNA and PCR Inhibitor free
- Endotoxin-free

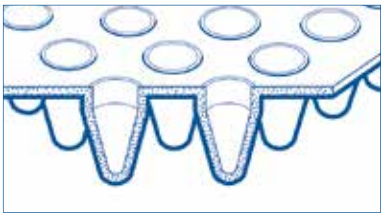
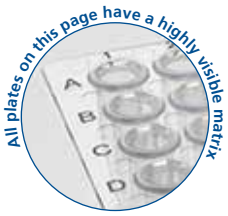


Plate Capacities:
Approximate maximum capacity for all 96-well plates is 350 µl for standard height plates, or 200 µl for low-profile plates.



ORDER INFORMATION					
Description	**Cut Corner**	**Matrix[1]**	**Colour**	**Pack Size**	**Cat. No.**
Low-Profile					
96-Well PCR Plate, Non-Skirted, Low-Profile	H12	P	Natural	20	E1403-0200
96-Well PCR Plate, Non-Skirted, Low-Profile	H12	P	Black	20	E1403-0208
96-Well PCR Plate, Non-Skirted, Low-Profile	H12	P	White	20	E1403-0209
Strip Caps for 24- and 48-Well-Plates					
8-Strip PCR Caps, Domed			Natural	125	B1401-4400
8-Strip PCR Caps, Flat, Pierceable			Natural	125	B1401-3300
96-Well PCR Plate, Non-Skirted	A12	P	Natural	10	E1403-1200
96-Well PCR Plate, Non-Skirted	A12	P	Natural	10 x 10	E1403-1200-C
96-Well PCR Plate, Non-Skirted	A12	P	White	10	E1403-1209
Sealing Mat					
Silicone Sealing Mat (Autoclavable)[2]			Natural	5	E1403-0000

[1] **Matrix:** P = Printed
[2] **NOTE:** Sealing mat is not suitable for qPCR. Above plates can also be sealed with PCR strip caps (p. 62) or the plate seals suitable for PCR/qPCR on page 73 – 74.

get GREEN with STARLAB

Cuttable PCR Plate

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

ORDER INFORMATION					
Description	**Cut Corner**	**Matrix[1]**	**Colour**	**Pack Size**	**Cat. No.**
Standard Height					
96-Well PCR Plate, Non-Skirted (Cuttable)	A12	P	Natural	10	E1403-0100
Sealing Mat					
Silicone Sealing Mat (Autoclavable)[2]			Natural	5	E1403-0000

[1] **Matrix:** P = Printed
[2] **NOTE:** Sealing mat is not suitable for qPCR. Above plates can also be sealed with PCR strip caps (p. 62) or the plate seals suitable for PCR/qPCR on page 73 – 74.

www.starlab.click/**pcrplates**

FREE SAMPLE TRY before you BUY available on request

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

ORDER INFORMATION					
Description	**Cut Corner**	**Matrix[1)]**	**Colour**	**Pack Size**	**Cat. No.**
96-Well PCR Plate, Non-Skirted, Elevated Wells	H12	P	Natural	10	E1403-2200
48-Well PCR Plate, Non-Skirted, Elevated Wells		P	Natural	20	E1403-3200
24-Well PCR Plate, Non-Skirted, Elevated Wells		P	Natural	40	E1403-4200
Sealing Mat					
Silicone Sealing Mat (Autoclavable)[2)]			Natural	5	E1403-0000

[1)]**Matrix:** P = Printed
[2)]Please choose any of our qPCR Sealing Foils for the use of the plate inside qPCR instruments (see table on page 73).
NOTE: Sealing mat E1403-0000 is not suitable for qPCR. Above plates can also be sealed with PCR strip caps (page 62), or the plate seals suitable for PCR (page 73 – 74). For an overview of all PCR Plate Sealing Options, see page 73 – 74.

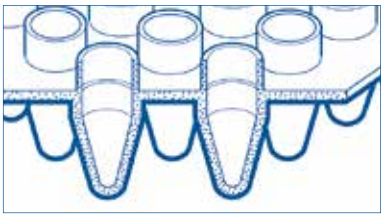


Plate Capacities:
Approximate maximum capacity for all standard height 96-well plates is 350 µl.

ORDER INFORMATION					
Description	**Cut Corner**	**Matrix[1)]**	**Colour**	**Pack Size**	**Cat. No.**
96-Well PCR Plate, Non-Skirted, 3 mm Elevated Wells (Robbins® Style)	A1	M	Natural	10	B1402-9200
Sealing Mat					
Cap Mat for 96-Well PCR Plates (Autoclavable)[2)]			Blue	5	B1494-1005

[1)]**Matrix:** M = Moulded
[2)]**NOTE:** Sealing mat is not suitable for qPCR. Above plates can also be sealed with PCR strip caps (p. 62) or the plate seals suitable for PCR/qPCR on page 73 – 74.

Semi-Skirted PCR Plates

get GREEN with STARLAB

Larger pack sizes reduce packing materials and transport emissions

I1402-9700

Semi-Skirted PCR Plates

- Low profile and standard height
- Opaque black or white available in most styles
- Specialist plates (for FAST® Systems, qPCR)
- Convenient, small pack sizes
- Autoclavable
- Certified RNase, DNase, DNA and PCR Inhibitor free
- Endotoxin-free

FREE SAMPLE TRY before you BUY available on request

I1402-9800

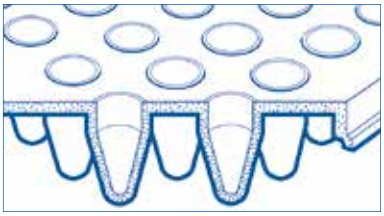
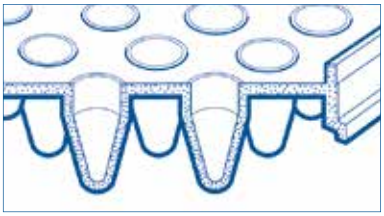


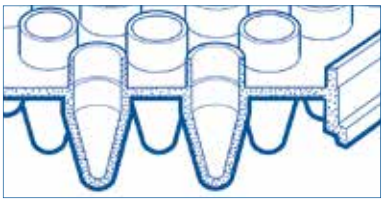
Plate Capacities:
Approximate maximum capacity for all 96-well plates is 350 µl for standard height plates, or 200 µl for low-profile plates.

ORDER INFORMATION					
Description	**Cut Corner**	**Matrix[1)]**	**Colour**	**Pack Size**	**Cat. No.**
Low-Profile					
96-Well PCR Plate, Semi-Skirted, Low-Profile	A12	P	Natural	10	E1403-6200
96-Well PCR Plate, Semi-Skirted, Low-Profile	A12	P	White	10	E1403-6209
Standard Height					
96-Well PCR Plate, Semi-Skirted	A12	P	Natural	10	I1402-9700
96-Well PCR Plate, Semi-Skirted	A12	P	Natural	10 x 10	I1402-9700-C
96-Well PCR Plate, Semi-Skirted	A12	P	White	10	I1402-9709
96-Well PCR Plate, Semi-Skirted, Straight Edges	A12	P	Natural	10	I1402-9800
96-Well PCR Plate, Semi-Skirted, Straight Edges, with Barcode	A12	P	Natural	10 x 10	I1402-9800-BC
96-Well PCR Plate, Semi-Skirted, Straight Edges	A12	P	White	10	I1402-9809
96-Well PCR Plate, Semi-Skirted, for Roche® LightCycler®	H12	P	White	10	I1402-9909
Sealing Mat					
Silicone Sealing Mat (Autoclavable)[2)]			Natural	5	E1403-0000

E1403-7700



ORDER INFORMATION					
Description	**Cut Corner**	**Matrix[1)]**	**Colour**	**Pack Size**	**Cat. No.**
TAQMan®-Style Plate					
96-Well PCR Plate, Semi-Skirted, Raised Rim	A12	P	Natural	10	E1403-8200
Plate for FAST® Systems					
96-Well PCR Plate, Semi-Skirted, Raised Rim, Low Profile (for FAST® Systems)	A1	P	Natural	10	E1403-7700
96-Well PCR Plate, Semi-Skirted, Raised Rim, Low Profile (for FAST® Systems)	A1	P	White	10	E1403-7709
Sealing Mat					
Silicone Sealing Mat (Autoclavable)[2)]		P	Natural	5	E1403-0000



ORDER INFORMATION					
Description	**Cut Corner**	**Matrix[1)]**	**Colour**	**Pack Size**	**Cat. No.**
96-Well PCR Plate, Semi-Skirted, Raised Rim (3 mm Elevated Wells, Corning® Style)	A1	M	Natural	10	B1402-9300
Sealing Mat					
Cap Mat for 96-Well PCR Plates (Autoclavable)[2)]			Blue	5	B1494-1005

[1)] **Matrix:** P = Printed, M = Moulded.
[2)] Sealing mats E1403-0000 and B1494-1005 are not suitable for qPCR. Plates seals suitable for PCR/qPCR can be found on page 73–74. All plates on this page can also be sealed with the PCR Strip Caps on p. 62.

www.starlab.click/**pcrplates**

Skirted PCR Plates

get GREEN with STARLAB

Larger pack sizes reduce packing materials and transport emissions

FREE SAMPLE TRY before you BUY available on request

E1403-5200

96-Well Skirted PCR Plates

- Natural, opaque black or white plate available
- Holes on sides for robotics handling
- Highly-visible printed matrix
- Convenient, small pack sizes
- Autoclavable
- Certified RNase, DNase, DNA and PCR Inhibitors free
- Endotoxin-free

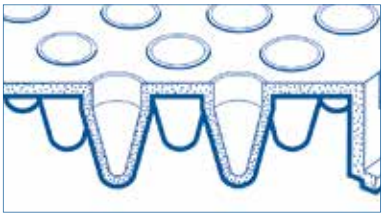


Plate Capacity:
Approximate maximum capacity for all 96-well, low-profile plates is 350 µl.

ORDER INFORMATION					
Description	**Cut Corner**	**Matrix[1]**	**Colour**	**Pack Size**	**Cat. No.**
Low-Profile					
96-Well PCR Plate, Skirted, Low-Profile	A12	P	Natural	10	E1403-5200
96-Well PCR Plate, Skirted, Low-Profile, with Barcode	A12	P	Natural	10 x 10	E1403-5200-BC
96-Well PCR Plate, Skirted, Low-Profile	A12	P	White	10	E1403-5209
Sealing Mat					
Silicone Sealing Mat (Autoclavable)[2]			Natural	5	E1403-0000

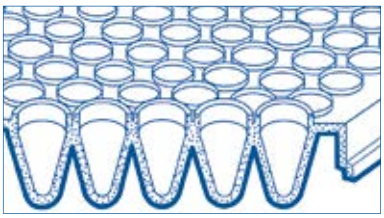
[1]**Matrix:** P = Printed
[2]Sealing mat E1403-0000 is not suitable for qPCR. Plates seals suitable for PCR/qPCR can be found on page 73 – 74. These plates can also be sealed with the PCR Strip Caps on page 62.

E1403-5200

384-Well Skirted PCR Plates

- Opaque white plates available for qPCR
- Holes on sides for robotics handling
- Convenient, small pack sizes
- Autoclavable
- Certified RNase, DNase and DNA free

E1042-3840



ORDER INFORMATION					
Description	**Cut Corner**	**Matrix[1]**	**Colour**	**Pack Size**	**Cat. No.**
384-Well PCR Plate, ABI®/Universal-Style, Skirted	A24	P	Natural	10	E1042-3840
384-Well PCR Plate, ABI®/Universal-Style, Skirted	A24	P	White	10	E1042-3849
384-Well PCR Plate for Roche LightCycler®, Skirted	A24, P24	P	White	10	E1042-9909
384-Well PCR Plate, Skirted (40 µl)	A1	M	Natural	10	B2323-3840
384-Well PCR Plate, Skirted (40 µl)	A1	M	Black	10	B2323-3848
384-Well PCR Plate, Skirted (35 µl)	A1	M	White	10	B2323-3849
384-Well PCR Plate, Skirted (40 µl)	A24, P24	M	Natural	10	E1042-2500
384-Well PCR Plate, Skirted (50 µl)	A24	M	Natural	10	E1042-3000
Sealing Mat					
Silicone Sealing Mat for 384-Well Plates[2]			Natural	10	E1042-2350

Volumes stated are approximate only. [1]**Matrix:** P = Printed, M = Moulded.
[2]Sealing mat E1042-2350 is not suitable for qPCR. Plates seals suitable for PCR/qPCR can be found on page 73 – 74.

PCR Plate-Sealing Overview

What are my options?

24- and 48-Well Plates
- 8-Strip Caps
- PCR Sealing Film Strips

96-Well Plates
- 8-Strip Caps
- 12-Strip Caps
- Sealing Mats for 96-Well Plates
- Plate Seals (unless plate has raised wells)

384-Well Plates
- Sealing Mats for 384-Well Plates
- Plate Seals

8- and 12-Strip Caps

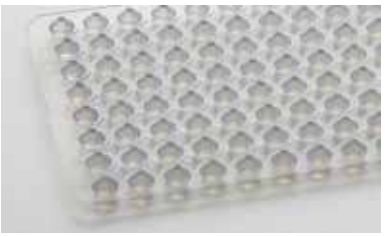
8- and 12-strip caps are manufactured from pure polypropylene, are available flat or domed, and are suitable for use with all 96-well PCR plate. (8-strip caps only can be used on 24- and 48-well plates).

Strip caps allow the convenience of unsealing one row of plate wells at a time. Flat caps enable labelling while domed caps provide the most secure seal when using thermal cyclers with a screw down lid. The 'Perfect Seal' strip caps give easier attachment to plates without affecting the tightness. 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 62.

Sealing Mats

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



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

For best results, we recommend using only the dedicated mat for your plate. The recommended sealing mat is listed in the ordering table under each plate on pages 66–69.

Sealing Films & Foils

Self-Adhesive

Three self-adhesive seals offered by STARLAB are suitable for standard PCR (aluminium, clear polypropylene and clear polyolefin).
The Xtra-Clear Advanced Polyolefin Seal is suitable for Real-Time PCR and the seal's superior optical clarity yields consistent results. **For an optimum and consistent seal across the whole plate, use the seal applicator or sealing brayer on page 73–74.**

Heat Seals

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

See page 73 for each seal's specifications and ordering details.

FREE SAMPLE TRY before you BUY available on request

Important Note for Real-Time PCR (qPCR)

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

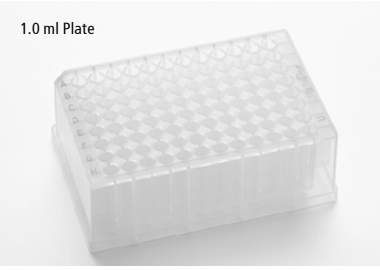
Plates: Please visit www.starlab.click/cycler-compatibility to see which plate is suitable for your Real-Time Cycler.

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

Plate Seals: Only those seals with superior optical clarity can be used for Real-Time applications. Choose between a self-adhesive seal or a heat seal (page 73).

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

PlateOne® Deepwell Plates

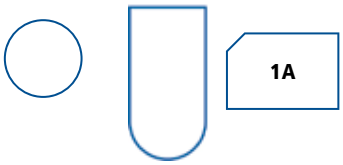


Features

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

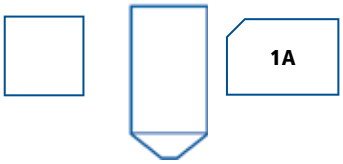
0.5 ml & 1.0 ml 96-Well Plates

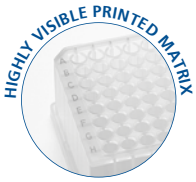
WELL SHAPE | WELL BOTTOM | CORNER CUT



2.0 ml 96-Well Plate

WELL SHAPE | WELL BOTTOM | CORNER CUT



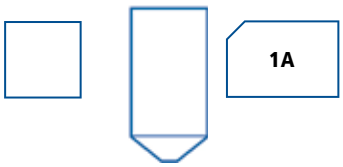


ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
0.5 ml, Round Wells, Round Bottom		
0.5 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms	4 x 8	S1896-5800
0.5 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Bulk)	32	S1896-5000
0.5 ml PlateOne® 96 Deepwell Plate,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

Plate dimensions (WxDxH): 0.5 ml: 127.8 x 85.5 x 27.10 mm. 1.0 & 2 ml: 127.8 x 85.5 x 44.10 mm.
All PlateOne® Plates can be sealed with the designated Sealing Mats listed, or with the Plate Seals on page 73–74.

200 µl 384-Well Plate

WELL SHAPE | WELL BOTTOM | CORNER CUT



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

Plate dimensions (WxDxH): 127.8 x 85.5 x 25.10 mm.
All PlateOne® Plates can be sealed with the designated Sealing Mats listed, or with the Plate Seals on page 73–74.

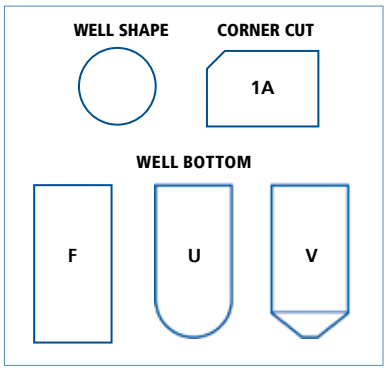
PlateOne® Microplates

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
- Certified RNase, DNase and DNA free
- Sterile plates are also Pyrogen free



96-WELL MICROPLATES		
Description	**Pack Size**	**Cat. No.**
Flat Bottom (F) Plates, max. Working Volume 370 µl		
PlateOne® 96-Well Microplate, Round Wells with Flat Bottoms,	4 x 20	S1837-9600
PlateOne® 96-Well Microplate, Round Wells with Flat Bottoms (Sterile)	4 x 20	S1837-9610
Round Bottom (U) Plates, max. Working Volume 320 µl		
PlateOne® 96-Well Microplate, Round Wells with Round Bottoms	4 x 20	S1830-9600
PlateOne® 96-Well Microplate, Round Wells with Round Bottoms (Sterile)	4 x 20	S1830-9610
Conical Bottom (V) Plates, max. Working Volume 320 µl		
PlateOne® 96-Well Microplate, Round Wells with Conical Bottoms	4 x 20	S1833-9600
PlateOne® 96-Well Microplate, Round Wells with Conical Bottoms (Sterile)	4 x 20	S1833-9610
Sealing Mat		
DMSO Resistant Polyolefin Sealing Mat for 96-Well with Round Wells	24	B1494-1224
Plate dimensions: (WxDxH): 127.8 x 85.5 x 14.35 mm All PlateOne® can be sealed with the designated Sealing Mat listed, or with the Plate Seals on page 73–74.		

get GREEN with STARLAB

Larger pack sizes reduce packing materials and transport emissions

www.starlab.click/**plateone**

Sealing Films & Foils

	SELF-ADHESIVE							HEAT SEALING			
	PCR			OTHER APPLICATIONS				PCR			
	Alu-minium StarSeal (PCR)	Clear Poly-olefin StarSeal (PCR)	Xtra-Clear Advanced Polyolefin StarSeal (qPCR)[1]	Polyester Seal	Polyester Seal (Sterile)	Breath-able Film	Breath-able Film (Sterile)	Peelable Film (PCR)	Thermo Seal Film (PCR)	Easy Pierce Film (PCR)	Optically Clear Film (qPCR)
Pack Size:	100	100	100	100	100	100	2 x 25	100	100	100	100
Cat. No:	E2796-9792	E2796-9793	E2796-9795	E2796-0794	E2796-0714	E2796-3005	E2796-3015	E2796-3060	E2796-3070	E2796-3090	E2796-3020
Colour	Silver	Clear	Clear	Clear	Clear	Natural	Natural	White	Silver	Silver	Clear
Opaque	✓					✓	✓	✓	✓	✓	
Optically Clear		✓	✓	✓	✓						✓
Superior Optical Clarity											✓
Suitable for PCR	✓	✓	✓					✓	✓	✓	✓
Certified free of RNase, DNase, DNA and Pyrogens	CERTIFIED FREE OF	CERTIFIED FREE OF	CERTIFIED FREE OF								
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					✓		✓				
Breathable						✓	✓				
Gas Permeable						✓	✓				
Plate type compatibility*	PP, PS, PC	PP, PS, PC	PP, PS, PC	PP, PS	PP, PS	PP, PS	PP, PS	PP,PE	PP	PP, PE	PP, PS, PE
Minimum Temp. Use	-70 °C**	-70 °C**	-70 °C**	-40 °C	-40 °C	4 °C	4 °C	-196 °C	-80 °C	-80 °C	-80 °C
Maximum Temp. Use	110 °C	110 °C	110 °C	65 °C	65 °C	40 °C	40 °C	90 °C	120 °C	80 °C	120 °C

*PP = Polypropylene; PS = Polystyrene, PC = Polycarbonate; PE = Polyethylene
**StarSeals have a minimum temperature use specification of -70 °C but they can be used at -80 °C for short-term storage.

[1] Xtra-Clear Advanced Polyolefin StarSeal
E2796-9795 has a low tack-to-touch adhesive. This means that it does not feel sticky when handled, making it is easier to handle so the seal sticks to your plate, not your gloves. The adhesive is pressure-sensitive, so it is only once you have correctly positioned the seal on the plate and you then apply pressure that the seal adheres to the plate. Once bonded, the seal strength is unbeatable.

See the STARLAB website for copy of the Data Sheet detailing the seal's outstanding performance during qPCR against another leading brand.

Sealing Accessories

Seal Applicator
Polyethylene applicator for use with self-adhesive plate seals
I2928-7355 Pack of 5

Sealing Brayer
Soft rubber roller for use with self-adhesive plate seals
E9127-2940

Self-Adhesive Plate Seals

New!

Polypropylene PCR Sealing Film Strips, Clear

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

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

New!

Polyester PCR Sealing Film, Clear

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

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

New!

Aluminium PCR Sealing Foil, Silver

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

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

Parafilm® Sealing Film

I 3080-1075

I 3080-5075

Colourless and moisture proof!

A colourless and moisture proof film that moulds to the surface. Stretch film tight to seal beakers, flasks, tubes and petri dishes. Suitable for use in temperatures -45 °C to 50 °C.

PARAFILM®		
Description	**Pack Size**	**Cat. No.**
Parafilm® Sealing Film, 50 mm Wide x 75 m Long	1 Roll	I 3080-5075
Parafilm® Sealing Film, 100 mm Wide x 38 m Long	1 Roll	I 3080-1038
Parafilm® Sealing Film, 100 mm Wide x 75 m Long	1 Roll	I 3080-1075

Filtration Funnels

New!

Versatile!

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

Available with three different types of membrane (PES, Nylon, and PTFE), two different pore sizes (0.2 µm and 0.45 µm) and two funnel holding volumes (500 ml and 1000 ml).

Product features

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

www.starlab.click/**filtrationfunnel**

ORDER INFORMATION			
Description	**Color**	**Pack Size**	**Cat. No.**
PES Membrane			
Filtration Funnel PP, 0.2 µm PES membrane, 500 ml	Clear	12	E4111-5226
Filtration Funnel PP, 0.2 µm PES membrane, 1000 ml	Clear	12	E4111-6226
Nylon Membrane			
Filtration Funnel PP, 0.2 µm Nylon membrane, 500 ml	Clear	12	E4111-5222
Filtration Funnel PP, 0.22 µm, Nylon membrane, 1000 ml	Clear	12	E4111-6222
Filtration Funnel PP, 0.45 µm Nylon membrane, 500 ml	Clear	12	E4111-5452
Filtration Funnel PP, 0.45 µm Nylon membrane, 1000 ml	Clear	12	E4111-6452
PTFE Membrane			
Filtration Funnel PP, 0.45 µm PTFE membrane, 500 ml	Clear	12	E4111-5454
Filtration Funnel PP, 0.45 µm PTFE membrane, 1000 ml	Clear	12	E4111-6454

Reagent Reservoirs

get GREEN with STARLAB
Saves both waste and storage space!

ChannelMate™ Reservoirs

Reagent reservoir refills save both waste and storage space. ChannelMate™ combines a sturdy reusable base with ultra-clear inserts to create a unique refillable reservoir system.

RNase, DNase and pyrogen free. Sterile.

Features

- Non-tipping, durable base features high-contrast volume graduations
- Skirtless polystyrene inserts require up to 40% less plastic and create minimal waste
- Nested inserts save up to 65% of the storage space required with other reservoirs
- Two systems: 25 ml & 100 ml (bases and inserts can be purchased separately)

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
ChannelMate™ 25 ml System		
ChannelMate™ Reservoir System, 25 ml (Sterile)	200[1)]	E1306-2510
ChannelMate™ Insert, 25 ml (Sterile)	50	E1346-2510
ChannelMate™ Base, 25 ml	10	E1306-2590
ChannelMate™ 100 ml System		
ChannelMate™ Reservoir System, 100 ml (Sterile)	200[1)]	E1306-1010
ChannelMate™ Insert, 100 ml (Sterile)	50	E1346-1010
ChannelMate™ Base, 100 ml	10	E1306-1090
[1)]1 pack contains 1 base plus 200 inserts		

CAPP® Origami Reservoirs

Made from durable polypropylene, these reservoirs are shipped and stored flat, ready to be flicked into shape. They are designed to the exact thickness to ensure that the reservoir remains standing once it has been folded into shape.

Features

- V-shaped bottom helps prevent bubbles forming in the pipette tips and also helps to avoid waste as more accurate amounts of reagent can be used
- Two capacities: 30 ml and 40 ml

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
CAPP® Origami Reagent Reservoir, 30 ml	50	E2310-0505
CAPP® Origami Reagent Reservoir, 40 ml	50	E2310-0510

StarTub PP

These high quality reagent reservoirs are made from autoclavable polypropylene (PP) so they can be reused again and again.

Features

- Sturdy polypropylene
- V-shaped bottom
- Autoclavable
- For multiple use
- Capacity: 50 ml to 60 ml

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
StarTub Reagent Reservoir (PP)	10	S4026-5806

StarTub PVC

- Clear PVC reservoir
- V-shaped bottom
- For single use
- Capacity: 55 ml

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
StarTub Reagent Reservoir (PVC)	100	E2310-1000

StarTub PS

- White polystyrene (PS) reservoir
- Sterile, Individually wrapped
- For single use
- Capacity: 55 ml

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
StarTub Reagent Reservoir (PS), (Sterile), Individually Wrapped, 25 ml	50	E2310-1025
StarTub Reagent Reservoir (PS), (Sterile), Individually Wrapped, 55 ml	50	E2310-1010
StarTub Reagent Reservoir (PS), (Sterile), Individually Wrapped, 100 ml	50	E2310-1100

Laboratory Labels

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

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

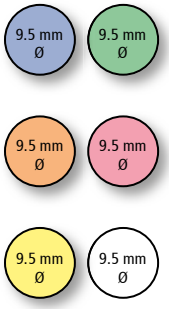
Features

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

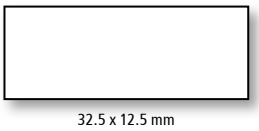
All labels shown actual size

SPOTS for the tops of tube caps

for 1.5/2.0 ml tubes



LARGE for 1.5 ml/2.0 ml tubes



32.5 x 12.5 mm

MEDIUM for 0.5 ml/0.65 ml tubes

24 x 12.5 mm

SMALL for 0.2 ml tubes

20 x 6 mm

StarTags CRYO for use down to -196 °C

38 x 15 mm

ORDER INFORMATION				
Description	**Colour**	**Pack Type**	**Labels per Pack**	**Cat. No.**
9.5 mm diam. Spots	Blue	Roll	2000	E9185-0001
9.5 mm diam. Spots	Green	Roll	2000	E9185-0002
9.5 mm diam. Spots	Orange	Roll	2000	E9185-0003
9.5 mm diam. Spots	Red	Roll	2000	E9185-0004
9.5 mm diam. Spots	Yellow	Roll	2000	E9185-0006
9.5 mm diam. Spots	White	Roll	2000	E9185-0009
Large (32.5 x 12.5 mm)	White	Roll	1000	E9187-1009
Large (32.5 x 12.5 mm)	White	A4 Laser Sheets	1980	E9187-2016
Medium (24 x 12.5 mm)	White	Roll	1000	E9188-1009
Medium (24 x 12.5 mm)	White	A4 Laser Sheets	2016	E9185-2240
Small (20 x 6.0 mm)	White	Roll	1000	E9188-8699
StarTags Cryo				
StarTags Cryo (38 x 15 mm)	White	Roll	1000	E9189-3009

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

StarTags dispenser

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

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
StarTags Acrylic Dispenser	1	E9199-0000

ORDER INFORMATION	
Label Size / Dimensions	**Cat. No.**
Fine Point Pen for use with all StarTags	E9186-9987

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 ensure the dispenser stays firmly on the bench, even when using one hand to dispense the tape
- Core inserts for 55 m long tape available separately

ORDER INFORMATION	
Description	**Cat. No.**
ID Tape Dispenser (Pack comprises 1 Dispenser & 5 Core Inserts)	E9026-0000
ID Tape Core Inserts, Pack of 5 (For use with 55 m long tapes)	E9026-2005
Dispenser dimensions (WxDxH): 205 x 185 x 125 mm.	

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

ID Tape Features

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

		ORDER INFORMATION								8-PACK
TAPE LENGTH	**TAPE WIDTH**	**Blue**	**Green**	**Orange**	**Red**	**Violet**	**Yellow**	**Pink**	**White**	**Mixed[2)]**
12.7 m	12.7 mm	E9127-1271	E9127-1272	E9127-1273	E9127-1274	E9127-1275	E9127-1276	E9127-1270	E9127-1279	E9127-1278
	19.0 mm	E9127-1911	E9127-1912	E9127-1913	E9127-1914	E9127-1915	E9127-1916	E9127-1910	E9127-1919	E9127-1918
	25.4 mm	E9127-2501	E9127-2502	E9127-2503	E9127-2504	E9127-2505	E9127-2506	E9127-2500	E9127-2509	E9127-2508
55 m[1)]	12.7 mm	E9055-1271	E9055-1272	E9055-1273	E9055-1274	E9055-1275	E9055-1276	E9055-1270	E9055-1279	E9055-1278
	19.0 mm	E9055-1911	E9055-1912	E9055-1913	E9055-1914	E9055-1915	E9055-1916	E9055-1910	E9055-1919	E9055-1918
	25.4 mm	E9055-2501	E9055-2502	E9055-2503	E9055-2504	E9055-2505	E9055-2506	E9055-2500	E9055-2509	E9055-2508

[1)]55 m long tape requires a core insert for use in the STARLAB dispenser.
[2)]Mixed packs contain one of each colour.

BMP™ 21-LAB Label Printer

Faster labelling!

Simple to operate and quick to print, the BMP™ 21-LAB label printer is an economical, must-have labelling tool especially designed for laboratory usage. With this thermal transfer printer you can create your labels just once – knowing they'll stay stuck and stay legible.

PRINTER SPECIFICATIONS	
Print Method	Thermal Transfer (Durable. Non-Smearing)
Display	LCD
Max. Label Width	19 mm
Max. Print Width	16 mm
Print resolution (dpi)	203
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 AC (optional adaptor)
Agency Approval	Printer: FCC Class B Approved Labels: UL and CSA Approved
Weight	0.75 kg
Dimensions	125 x 50 x 235 mm

Features

- Smudge-resistant thermal transfer printing
- Preprogrammed vial sizes (0.6; 1.5; 2.0; 15; 50 ml)
- Time/date stamp
- 44 symbols including greek letters and lab-specific 3-line, safety signs
- Barcoding
- Automated data serialisation (including multiple copy and increment options)
- Font options: six sizes (6, 9, 14, 20, 28 & 40 pt) plus auto sizing, and bold
- Ergonomic cutter on both sides which holds the label until you need it
- Internal memory for storing, retrieving and deleting label files
- Quick and easy cartridge loading
- Six languages
- Different label materials are available (Vinyl, Polyester, Polypropylene and Nylon)
- Backlit LCD display
- Automatic shut-off saves batteries

Easy to load cartridge.
Just drop, lock and go!

ORDER INFORMATION	
Description	**Cat. No.**
BMP™ 21-LAB Label Printer	N3000-2000
AC Adaptor (optional)	N3000-2002

The printer is supplied with a 19.1 mm 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.

Label Cartridges for BMP™21 Printer Series

LABEL CARTRIDGES*				LABEL APPLICATIONS								
Description	**Colour**	**Label Width**	**Cat. No.**	**Freezer (-80 °C)**	**Liquid Nitrogen (-196 °C)**	**Auto-clave (121°C)**	**Hot Water Baths (100°C)**	**Low-Profile** (extremely thin)	**Vial Labelling**	**Slide Labelling**	**Plate Labelling**	**General Labelling**
B-595 Vinyl	Blue	9.5 mm	N3795-4391	✓							✓	✓
B-595 Vinyl	Green	9.5 mm	N3795-4392	✓							✓	✓
B-595 Vinyl	Orange	9.5 mm	N3795-4393	✓							✓	✓
B-595 Vinyl	Red	9.5 mm	N3795-4394	✓							✓	✓
B-595 Vinyl	Yellow	9.5 mm	N3795-4396	✓							✓	✓
B-595 Vinyl	White	9.5 mm	N3795-4399	✓							✓	✓
B-461 Polyester[1]	White	9.5 mm	N3795-4619	✓	✓	✓	✓	✓	✓		✓	✓
B-488 Polyester	White	9.5 mm	N3795-4889	✓		✓				✓	✓	✓
B-499 Nylon	White	9.5 mm	N3795-4999	✓	✓	✓				✓	✓	✓
B-7425 Polypropylene	White	9.5 mm	N3795-7425	✓	✓	✓	✓		✓	✓	✓	✓
B-461 Polyester[1]	White	12.7 mm	N5127-4619	✓	✓	✓	✓	✓	✓		✓	✓
B-488 Polyester	White	12.7 mm	N5127-4889	✓		✓				✓	✓	✓
B-499 Nylon	White	12.7 mm	N5127-4999	✓	✓	✓				✓	✓	✓
B-7425 Polypropylene	White	12.7 mm	N5127-7425	✓	✓	✓	✓		✓	✓	✓	✓
B-461 Polyester[1]	White	19.1 mm	N7519-4619	✓	✓	✓	✓	✓	✓		✓	✓
B-488 Polyester	White	19.1 mm	N7519-4889	✓		✓				✓	✓	✓
B-499 Nylon[1]	White	19.1 mm	N7519-4999	✓	✓	✓				✓	✓	✓
B-7425 Polypropylene	White	19.1 mm	N7519-7425	✓	✓	✓	✓		✓	✓	✓	✓

* Suitable for the following label printers: BMP™ 21-LAB, BMP™ 21 Plus, BMP™ 21
[1] B-461 is acceptable for use in liquid nitrogen only if the ends of the label overlap. All labels 6.4 m long, except N7519-4999 which is 4.8 m long.

Coloured labels (B-595) for general labelling

LABEL MATERIAL SPECIFICATIONS	
B-461 Polyester	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-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-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-7425 Polypropylene	Resistant to extremly low and high temperatures, withstand even the transfer from liquid nitrogen to boiling water. Uses: • Liquid-Nitrogen (-196°C) • Freezer (-80°C) • Hot water bath (100°C) • Autoclave (121°C)
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)

Label Cartridges for LabPal™ & LabXpert™

Label cartridges for LabPal™ printer

ORDER INFORMATION				LABEL APPLICATIONS								
Description	Colour	Label Width	Cat. No.	Freezer (-80 °C)	Liquid Nitrogen (-196 °C)	Auto-clave (121°C)	Hot Water Baths (100°C)	Low-Profile (extremely thin)	Vial Label-ling	Slide Label-ling	Plate Label-ling	General Labelling
B-595 Vinyl	Blue	9.5 mm	N3795-4391	✓							✓	✓
B-595 Vinyl	Green	9.5 mm	N3795-4392	✓							✓	✓
B-595 Vinyl	Orange	9.5 mm	N3795-4393	✓							✓	✓
B-595 Vinyl	Red	9.5 mm	N3795-4394	✓							✓	✓
B-595 Vinyl	Yellow	9.5 mm	N3795-4396	✓							✓	✓
B-595 Vinyl	White	9.5 mm	N3795-4399	✓							✓	✓
B-461 Polyester[1]	White	9.5 mm	N3795-4619	✓	✓	✓	✓	✓	✓		✓	✓
B-488 Polyester	White	9.5 mm	N3795-4889	✓		✓				✓	✓	✓
B-499 Nylon	White	9.5 mm	N3795-4999	✓	✓	✓				✓	✓	✓
B-7425 Polypropylene	White	9.5 mm	N3795-7425	✓	✓	✓	✓		✓	✓	✓	✓
B-461 Polyester[1]	White	12.7 mm	N5127-4619	✓	✓	✓	✓	✓	✓		✓	✓
B-488 Polyester	White	12.7 mm	N5127-4889	✓		✓				✓	✓	✓
B-499 Nylon	White	12.7 mm	N5127-4999	✓	✓	✓				✓	✓	✓
B-7425 Polypropylene	White	12.7 mm	N5127-7425	✓	✓	✓	✓		✓	✓	✓	✓
B-461 Polyester[1]	White	19.1 mm	N7519-4619	✓	✓	✓	✓	✓	✓		✓	✓
B-488 Polyester	White	19.1 mm	N7519-4889	✓		✓				✓	✓	✓
B-7425 Polypropylene	White	19.1 mm	N7519-7425	✓	✓	✓	✓		✓	✓	✓	✓

[1] B-461 is acceptable for use in liquid nitrogen only if the ends of the label overlap. All labels are 6.4 m long.

Label cartridges for LabXpert™ printer

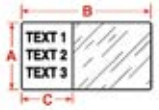
ORDER INFORMATION									FOR USE WITH							
Label Style	Label Material	Label Type	Colour	Labels per Cartridge	Label Dimensions (mm) A	B	C	Cat. No.	0.2 ml Tubes	0.5 / 0.65 ml Tubes	1.5/2.0 ml Tubes	1–8 ml Tubes	15 ml Tubes	50 ml Tubes	Plates	Slides
1	B-461 Polyester[1]	Long Tail	White	500	4.75	38.10	17.78	N0108-4619	✓							
1	B-461 Polyester[1]	Long Tail	White	225	12.70	44.45	19.05	N0072-4619		✓						
1	B-461 Polyester[1]	Long Tail	White	175	12.70	55.88	19.05	N0074-4619			✓	✓				
1	B-461 Polyester[1]	Long Tail	White	150	15.24	66.68	25.40	N0086-4619			✓	✓				
2	B-499 Nylon	Free Standing	White	350	25.40	9.53	9.53	N0118-4999		✓	✓	✓				
2	B-499 Nylon	Free Standing	White	300	25.40	12.70	11.18	N0117-4999			✓	✓				
3	B-499 Nylon	Free Standing	White	300	9.53			N0082-4999			✓					
3	B-499 Nylon	Free Standing	Orange	300	9.53			N0082-4993			✓					
3	B-499 Nylon	Free Standing	Yellow	300	9.53			N0082-4996			✓					
4	B-461 Polyester[1]	Long/Short Tail*	White	100	38.10	95.25	31.75	N0119-4619					✓	✓		
4	B-461 Polyester[1]	Free Standing	White	200	48.26	6.35		N0081-4889							✓	
5	B-461 Polyester[1]	Free Standing	White	400	22.86	22.86		N0097-4889								✓

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

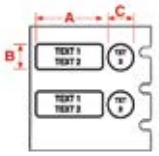
www.starlab.click/**labelling**

Label Styles for LabXpert™

LABEL STYLE 1

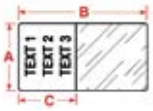


LABEL STYLE 2



LABEL STYLE 3

LABEL STYLE 4



LABEL STYLE 5

Efficient Filtration!

Low hold-up limits the waste of expensive media

CELL CULTURE
CytoOne® Overview 84

CELL CULTURE DISHES
CytoOne® Dishes 85

CELL CULTURE PLATES
CytoOne® Multiwell Plates 86–87

CELL CULTURE FLASKS
CytoOne® Flasks
with Two-Position Plug Seal Caps 88
CytoOne® Flasks
with Vented Filter Caps 89

CELL SCRAPERS 90

CENTRIFUGE TUBES
15 ml and 50 ml Centrifuge Tubes 91

CELL STRAINERS 92

SYRINGE FILTERS 93

CELL CULTURE FILTRATION
CytoOne® Bottle Top Filtration Units 94–95
CytoOne® Centrifuge Tube
Filtration System 96–97
CytoOne® Media Bottles (Sterile) 98

CytoOne® – for optimum cell growth and handling

Cell culture performance ware – your cells deserve the best!
CytoOne® offers certified testing and consistent surfaces made from optically clear, premium grade polystyrene.

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

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

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

CytoOne®

Cell Culture

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

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

CytoOne® products are put through stringent testing:

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

Outfit your cells for true performance with CytoOne®.

www.starlab.click/**cytoone**

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

CytoOne® Dishes

Secure handling

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

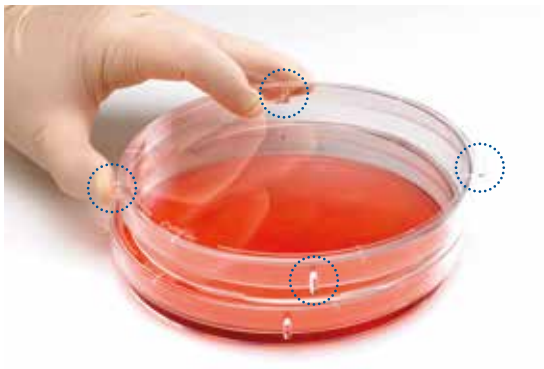
Product features

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

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

www.starlab.click/**dishes**

TECHNICAL SPECIFICATIONS			
Outer Dimensions x Height	**Growth area**	**Inner dimension**	**Working volume**
35 x 10 mm	9.6 cm²	35 mm	2.0 ml
60 x 15 mm	21 cm²	52 mm	5.0 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 pick up these small dishes without accidentally losing the lower shell

CytoOne® Multiwell Plates

Premium plates

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

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

Product features

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

Tissue culture treated plates

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

Non-treated plates

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

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

One-way fit lids with condensation rings prevent cross contamination

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
TC Treated		
6-Well CytoOne® Plate, TC-Treated	50	CC7682-7506
12-Well CytoOne® Plate, TC-Treated	50	CC7682-7512
24-Well CytoOne® Plate, TC-Treated	50	CC7682-7524
48-Well CytoOne® Plate, TC-Treated	50	CC7682-7548
96-Well CytoOne® Plate, TC-Treated	50	CC7682-7596
Non-Treated		
6-Well CytoOne® Plate, Non-Treated	50	CC7672-7506
12-Well CytoOne® Plate, Non-treated	50	CC7672-7512
24-Well CytoOne® Plate, Non-Treated	50	CC7672-7524
48-Well CytoOne® Plate, Non-Treated	50	CC7672-7548
96-Well CytoOne® Plate, Non-Treated	50	CC7672-7596

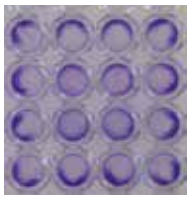
TECHNICAL SPECIFICATIONS			
Number of wells	**Growth area**	**Working volume**	**Well diameter**
6 wells	9.4 cm²	2.0 ml	3.46 cm
12 wells	3.8 cm²	1.5 ml	2.21 cm
24 wells	1.9 cm²	1.0 ml	1.55 cm
48 wells	0.76 cm²	0.5 ml	0.98 cm
96 wells	0.32 cm²	0.2 ml	0.64 cm

www.starlab.click/**multiwellplates**

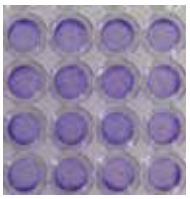
Minimising the ‘edge effect’ with CytoOne®

CytoOne® plates have chimney wells with a complete 360° open channel around each well. Filling the channels with medium during incubation helps reduce clumping of cells towards the edges, resulting in a more uniform cell layer.

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



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



Media Volumes to add to each plate:

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

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

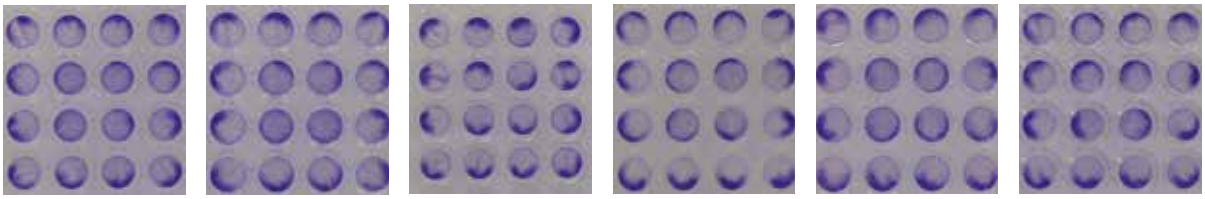


Plate A | Plate B | Plate C | Plate D | Plate E | Plate F

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

A perfect match –
ErgoOne® Pipettes

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

More details:
see pages 34–37 or visit www.starlab.click/**manualpipettes**

CytoOne® Flasks with 2-Position Plug Seal Caps

Pressure tested

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

Product features

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

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

www.starlab.click/**flasks**

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

T-75 flasks with two-position plug seal caps

Non-treated flasks can be identified by their white caps

CytoOne® Flasks with Vented Filter Caps

Leak-free assurance

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

Product features

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

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

ORDER INFORMATION			
Description	**Pack Size**	**Cat. No.**	
TC Treated			
T-25 CytoOne® Flask, TC-Treated, Vented	30 × 10	CC7682-4825	
T-75 CytoOne® Flask, TC-Treated, Vented	20 × 5	CC7682-4875	
T-150 CytoOne® Flask, TC-Treated, Vented	8 × 5	CC7682-4815	
T-225 CytoOne® Flask, TC-Treated, Vented	5 × 5	CC7682-4822	
Non-Treated			
T-25 CytoOne® Non-Treated Flasks, Vented	30 × 10	CC7672-4825	*New!*
T-75 CytoOne® Non-Treated Flasks, Vented	20 × 5	CC7672-4875	*New!*
T-150 CytoOne® Non-Treated Flasks, Vented	8 × 5	CC7672-4815	*New!*
T-225 CytoOne® Non-Treated Flasks, Vented	5 × 5	CC7672-4822	*New!*

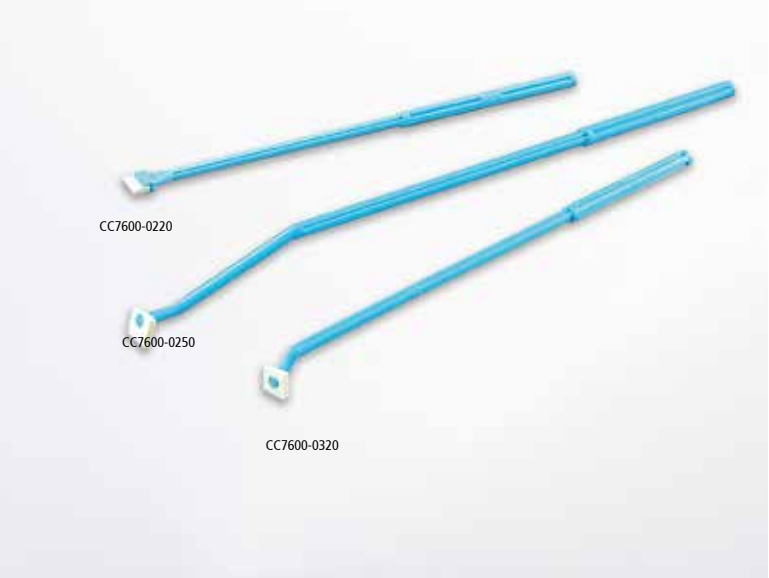
All flasks supplied in easy-open, resealable zip top bags to protect unused flasks

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

www.starlab.click/**flasks**

CERTIFIED FREE OF RNASE, DNASE, DNA, PYROGENS

Cell Scrapers



Rich harvest!

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

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

Product features

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

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

FREE SAMPLE TRY before you BUY available on request

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

www.starlab.click/**cellscrapers**

15 ml and **50 ml** Centrifuge Tubes

New!

STARLAB's new centrifuge tubes are designed for the centrifugation of cells, but can be used for standard centrifugation, preparation and storage applications. USP Class VI polymers and certified non-toxicity ensure the viability and integrity of cells. The sterility of assurance level (SAL) of 10^{-6} fulfills the highest demands on sterility, meeting EN 556-1 standard (Sterilisation of Medical Devices). Racked tubes are delivered in recyclable cardboard racks.
Maximum centrifugation rates: Conical Tubes 15 & 50 ml: 12,000 x g and Skirted Tube 50 ml: 6,000 x g

Product features

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

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
15 ml Centrifuge Tube, Conical, Loose (Sterile)	10 × 50	E1415-0100
15 ml Centrifuge Tube, Conical, Racked (Sterile)	20 × 25	E1415-0700

Racked tubes are supplied in recyclable cardboard trays

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
Conical Tubes		
50 ml Centrifuge Tube, Conical, Loose (Sterile)	10 × 50	E1450-0100
50 ml Centrifuge Tube, Conical, Racked (Sterile)	20 × 25	E1450-0700
Skirted Tubes		
50 ml Centrifuge Tubes, Skirted, Loose (Sterile)	20 × 25	E1450-0400

www.starlab.click/**centrifugetubes**

Cell Strainers (Sterile)

New!

STARLAB Cell Strainers are intended as a fast, easy, and simple alternative to traditional filtration when dissociating stem cells and other tissue-derived primary cells. They yield consistently uniform, single-cell suspensions that are ideal for preparation of samples for flow cytometry, Fluorescence-Activated Cell Sorting (FACS), and other applications related to cell separation. Available in 40 µm, 70 µm, and 100 µm color-coded mesh variants. Cell strainers are made from USP Class VI materials.

Product features

- Uniform nylon mesh size of 40 µm, 70 µm, and 100 µm (colour-coded)
- Extended lip on the strainer enables aseptic handling with forceps
- Designed to fit into a 50 ml conical centrifuge tube
- RNase, DNase and Pyrogen free
- Gamma sterilised

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
40 µm Cell Strainer, Blue (Sterile)	50 × 1	CC8111-0042
70 µm Cell Strainer, Yellow (Sterile)	50 × 1	CC8111-0072
100 µm Cell Strainer, White (Sterile)	50 × 1	CC8111-0102

www.starlab.click/**cellstrainer**

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

A perfect match –
Serological Pipettes

More details:
see page 43 or visit www.starlab.click/**serologicals**

Syringe Filters (Sterile)

Nearly half the hold up volume of some other syringes on the market!

STARLAB's Syringe Filters are an economical choice due to the maximum recovery of your solution. Manufactured using the latest technology, these 33 mm diameter filters are suitable for volumes 10–200 ml. Use for cell culture media and additives, biological solutions and buffers.

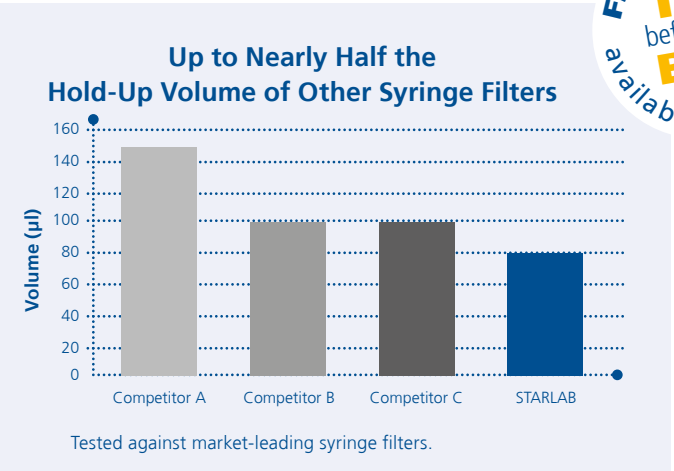
Product features

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

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

www.starlab.click/**syringefilters**

FREE SAMPLE TRY before you BUY available on request



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

CytoOne® Bottle Top Filtration Units

Easy going!

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

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

CytoOne® is compatible with the patented CytoOne® Pedestal and Cradle Ring. These optional docking stations provide hands-free filtering and a stationary vacuum hose connection, allowing for efficient set-up and quick use while preventing spills and contamination features in the hood.

Product features

- Suitable for the sterile filtration of tissue culture and microbial media, buffers, reagents and other laboratory solutions
- Available as a complete system or funnel-only
- Patented SECUREgrasp™ cap provides a convenient gripping surface plus a frosted area for labeling
- Ergonomic bottle shape with moulded finger grips
- Sterile (SAL 10^{-6}) and certified non-cytoxic and pyrogen free

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

ORDER INFORMATION			
Description	**Pack Size**	**Cat. No.**	
0.2 µm PES Membrane			
CytoOne® Bottle Top Filtration Unit, Full Assembly, 0.2 µm, 250 ml	12	CC6032-7233	
CytoOne® Bottle Top Filtration Unit, Full Assembly, 0.2 µm, 500 ml	12	CC6032-8233	
CytoOne® Bottle Top Filtration Unit, Full Assembly, 0.2 µm, 1000 ml	12	CC6032-9233	
0.45 µm PES Membrane			
CytoOne® Bottle Top Filtration Unit, Full Assembly, 0.45 µm, 250 ml	12	CC6034-1141	*New!*
CytoOne® Bottle Top Filtration Unit, Full Assembly, 0.45 µm, 500 ml	12	CC6034-1142	*New!*
CytoOne® Bottle Top Filtration Unit, Full Assembly, 0.45 µm, 1000 ml	12	CC6034-1143	*New!*

ORDER INFORMATION			
Description	**Pack Size**	**Cat. No.**	
0.2 µm PES Membrane			
CytoOne® Bottle Top Filtration Unit, Funnel Only, 0.2 µm, 250 ml	12	CC6062-1233	
CytoOne® Bottle Top Filtration Unit, Funnel Only, 0.2 µm, 500 ml	12	CC6062-2233	
CytoOne® Bottle Top Filtration Unit, Funnel Only, 0.2 µm, 1000 ml	12	CC6062-3233	
0.45 µm PES Membrane			
CytoOne® Bottle Top Filtration Unit, Funnel Only, 0.45 µm, 500 ml	12	CC6064-1162	*New!*
CytoOne® Bottle Top Filtration Unit, Funnel Only, 0.45 µm, 1000 ml	12	CC6064-1163	*New!*

www.starlab.click/**filtration**

250 ml

500 ml

1000 ml

250 ml

500 ml

1000 ml

Accessories		
Description	**Pack Size**	**Cat. No.**
CytoOne® Vacuum Filtration Cradle Ring	1	CC6000-1122
CytoOne® Quick-Connect™ Vacuum Filtration Pedestal	1	CC6000-1116

Cradle Ring for use with all filtration units for hands-free filtration

Quick-Connect Vacuum Filtration Pedestal shown with 500 ml Bottle Top Filtration Unit. Use for easy, hands-free filtration.

CytoOne® Centrifuge Tube Filtration System

Freedom!
STARLAB has developed the world's first hands-free centrifuge tube filtration system. Each filtration unit includes a sterile centrifuge tube and cap, 50 ml funnel with PES membrane, funnel adapter (for the 15 ml tube assembly), vacuum hose adapter, and dual centrifuge tube stand.

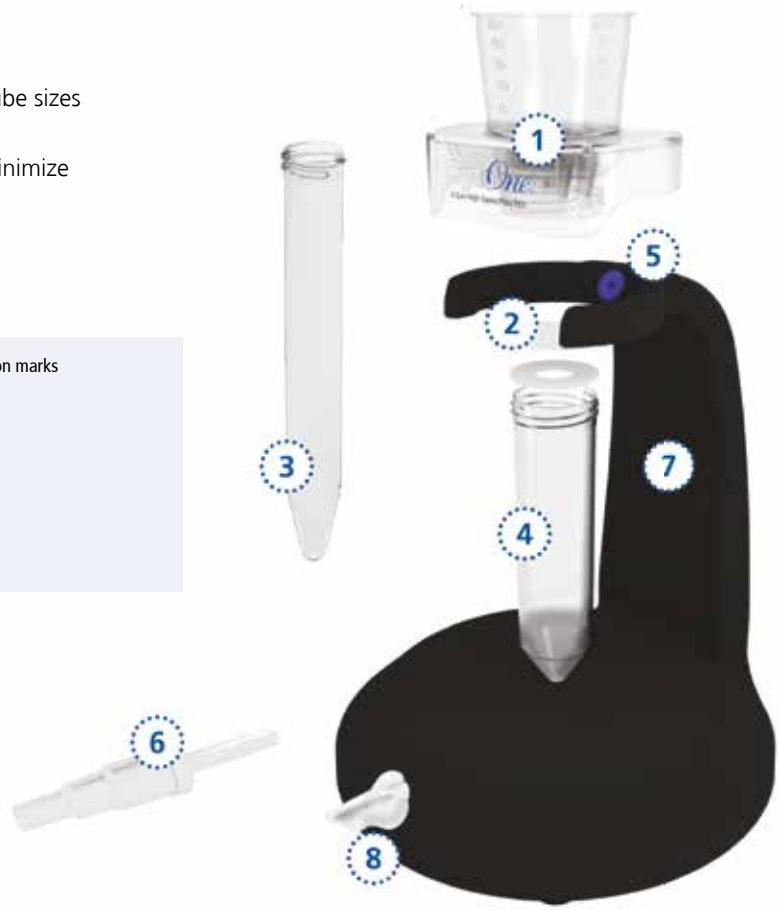
The CytoOne® Centrifuge Tube Filtration System is used for the sterilization of tissue culture and microbiological media, FBS, buffers, reagents, and other laboratory solutions. This system avoids potential contamination by eliminating any unnecessary fluid transfer to the centrifuge tube poststerilization, and also reduces the risk of spills.

This hands-free filtration system works in conjunction with the Quick-Connect™ Pedestal or Cradle Ring which provides on/off vacuum flow control. Quick-Connect™ Pedestal and Cradle Ring provide a permanent vacuum hose connection. A time-consuming change of the vacuum hose connection from one unit to the next is not necessary. Both CytoOne® Centrifuge Tube Filtration Units are offered as ready to use full assemblies including centrifuge tubes.

Product features

- Available in 15 ml and 50 ml centrifuge tube sizes
- 0.2 µm or 0.45 µm membrane
- Permanent vacuum hose connection to minimize set-up time
- Certified non-cytotoxic and pyrogen-free
- Sterile (SAL 10^{-6})

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



ORDER INFORMATION			
Description	**Pack Size**	**Cat. No.**	
0.2 µm PES Membrane			
CytoOne® Centrifuge Tube Filtration System, 0.2 µm, 15 ml	24	CC6032-1411	
CytoOne® Centrifuge Tube Filtration System, 0.2 µm, 50 ml	24	CC6032-1402	
0.45 µm PES Membrane			
CytoOne® Centrifuge Tube Filtration System, Full Assembly, 0.45 µm, 15 ml	24	CC6034-1412	*New!*
CytoOne® Centrifuge Tube Filtration System, Full Assembly, 0.45 µm, 50 ml	24	CC6034-1403	*New!*

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

15 ml 50 ml

www.starlab.click/**filtration**

CytoOne® Filtration Docking Units

Pedestal shown with 500 ml Bottle Top Filtration Unit

Cradle Ring shown with 50 ml Centrifuge Tube Filtration System (Stand not included)

Perfect docking!

All Bottle Top Filtration Units and both the Centrifuge Tube Filtration Systems can be used with either the Pedestal or the Cradle Ring for hands-free filtration. The Pedestal is made from powder-coated aluminum and can be left under the hood. The Cradle Ring is made from Stainless Steel.

Product features

- Allows hands-free filtration
- Provides on/off vacuum flow control
- Permanent hose connection to minimize set-up time
- Works in conjunction with CytoOne® Filtration system in 15 ml, 50 ml, 250 ml, 500 ml, and 1000 ml
- Sterile (SAL 10^{-6})

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
CytoOne® Vacuum Filtration Cradle Ring	1	CC6000-1122
CytoOne® Quick-Connect™ Vacuum Filtration Pedestal	1	CC6000-1116

www.starlab.click/**cytoone**

CC6000-1116

CC6000-1122

CytoOne® Media Bottles (Sterile)

New!

Safe storage!

CytoOne® Media Bottles are ideal for the storage of sterile solutions such as tissue culture media, serum, and buffers. All media bottles are sterile and manufactured from USP Class VI polystyrene in an ISO 13485 clean room, FDA regulated facility. CytoOne® Media Bottles are fully compatible with the CytoOne® Bottle Top Filtration system. Available in 250 ml, 500 ml and 1000 ml sizes with additional head-space to allow 15% dilutions.

Product features

- Suitable for sterile solutions such as tissue culture media, serum and buffers
- Ergonomic bottle shape, stackable, with molded finger grips
- Patented SECUREgrasp™ cap provides a convenient gripping surface plus a frosted area for labeling
- Made with USP Class VI materials in a class 100,000 cleanroom
- Sterile

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
CytoOne® Media Bottles 250 ml (Sterile)	24	CC6027-1171
CytoOne® Media Bottles 500 ml (Sterile)	24	CC6027-1172
CytoOne® Media Bottle 1000 ml (Sterile)	24	CC6027-1173

www.starlab.click/**filtration**

Get organised, save space!

Sample storage solutions for optimal freezer efficiency

STORAGE BOXES & RACKS

Polypropylene Storage Boxes ..... 100 – 101
Cardboard Storage Boxes 102
Cryogenic Storage Boxes ..... 102 – 103
Centrifuge Tube Storage 104
Storage Boxes & Racks 105
Multi-Tube Racks ..... 106 – 108
PCR Sample Racks ..... 108 – 109

BENCHTOP COOLERS

Chiller Racks 110
Ice Bath / Floating Rack 110
Transport Cases & Coolers 111

FREEZER RACKING SYSTEMS

Stainless Steel Freezer Racking 112–114
Aluminium Freezer Racking 114

Polypropylene Storage Boxes

The StarStore 130 x 130 mm range for freezer storage

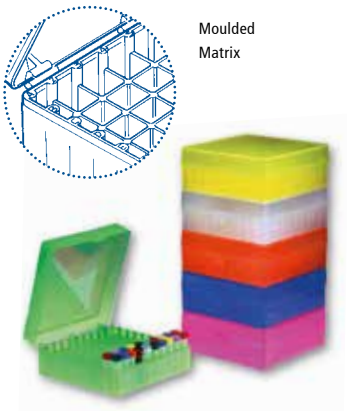
This range of StarStore storage boxes all have the same, standard 130 x 130 mm footprint. The non-hinged, lift-off lids enable tubes of varying heights to be stored inside. All boxes are made from rigid polypropylene and are suitable for use in temperatures -90 °C to 121 °C. Autoclavable.

ORDER INFORMATION				
	Description	**Rack Colour**	**Pack Size**	**Cat. No**
	StarStore 81 Fixed 13 x 13 mm dividers for the storage of 81 x 1.5/2.0 ml microcentrifuge tubes or screw cap microtubes Transparent lift-off lid with frosted writing panel on side Vent holes in base to aid draining and lid removal Printed reference grid on base Dimensions (WxDxH): 130 x 130 x 45 mm Max. tube height: 60 mm	Natural	5	I 2381-5040
		Black	5	I 2381-5049
		Neon Blue	5	I 2381-5041
		Neon Green	5	I 2381-5042
		Neon Orange	5	I 2381-5043
		Neon Pink	5	I 2381-5044
		Neon Yellow	5	I 2381-5046
		Neon Mixed[1)]	5	I 2381-5048
	StarStore 49 Fixed 16 x 16 mm dividers for the storage of 49 tubes up to 16 mm diameter Transparent lift-off lid with frosted writing panel on side. Vent holes in base to aid draining and lid removal Dimensions (WxDxH): 130 x 130 x 46 mm Max. tube height: 60 mm	Natural	5	E2349-5009
	StarStore 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	5	E2300-5005
Tubes not included. [1)]Mixed pack contains one of each neon colour.				

www.starlab.click/**starstore**

The 130 x 130 mm Storage Boxes above can be used in all the Stainless Steel Freezer Racking featured on pages 112–114 or the Aluminum Freezer Racking on p. 114

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

ORDER INFORMATION				
	Description	**Colour**	**Pack Size**	**Cat. No**
	**StarStore 100** Fixed 13 x 13 mm dividers for the storage of 100 x 1.5/2.0ml 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	5	I 2310-5800
		Neon Blue	5	I 2310-5841
		Neon Green	5	I 2310-5842
		Neon Orange	5	I 2310-5843
		Neon Pink	5	I 2310-5844
		Neon Yellow	5	I 2310-5846
		Neon Mixed[1)]	5	I 2310-5848
	StarStore 100 can be used inside the Stainless Steel Freezer Racking on pages 113			

Tubes not included. [1)]Mixed pack contains one of each neon colour.

ORDER INFORMATION				
	Description	**Rack Colour**	**Pack Size**	**Cat. No**
	StarStore 50 Neon (Hinged) 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	5	I 2350-5800
		Neon Blue	5	I 2350-5841
		Neon Green	5	I 2350-5842
		Neon Orange	5	I 2350-5843
		Neon Pink	5	I 2350-5844
		Neon Yellow	5	I 2350-5846
		Mixed Neon[1)]	5	I 2350-5848
	StarStore 50 Fixed 13 x 13 mm 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	5	E2450-5000
		Blue	5	E2450-5001
		Green	5	E2450-5002
		Pink	5	E2450-5004
		Yellow	5	E2450-5006
	StarStore 50 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	5	E2350-5009
	StarStore 50 Jr. Fixed 10 x 10 mm dividers for the storage of 50 x 0.5 ml 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	5	E2305-6009

Tubes not included. [1)]Mixed pack contains one of each neon colour.

Cardboard Storage Boxes

ORDER INFORMATION				
	Description	**Box Height**	**Pack Size**	**Cat. No**
White cardboard boxes with moisture-resistant coating for use down to -80°C.	**16-Place** cardboard storage boxes, available in 3 heights Removable dividers for tubes up to 31 mm diameter	50 mm	1	A9023-1616
		75 mm	1	A9025-1616
		100 mm	1	A9027-1616
	25-Place cardboard storage boxes, available in 3 heights Removable dividers for tubes up to 24.5 mm diameter	50 mm	1	A9023-2525
		75 mm	1	A9025-2525
		100 mm	1	A9027-2525
	49-Place cardboard storage boxes, available in 3 heights Removable dividers for tubes up to 16.5 mm diameter	50 mm	1	A9023-4949
		75 mm	1	A9025-4949
		100 mm	1	A9027-4949
50 mm high boxes can be used in the Stainless Steel Freezer Racks on page 112. All box heights can be used in the Aluminum Freezer Rack on page 114	**81-Place** cardboard storage boxes, available in 3 heights Removable dividers for tubes up to 13 mm diameter	50 mm	1	A9023-8181
		75 mm	1	A9025-8181
		100 mm	1	A9027-8181
All boxes have the same footprint: 133 x 133 mm (incl. lid). Max. tube diam. stated includes tube cap.	**100-Place** cardboard storage boxes, available in 3 heights Removable dividers for tubes up to 12 mm diameter	50 mm	1	A9023-3100
		75 mm	1	A9025-3100
		100 mm	1	A9027-3100

ORDER INFORMATION				
	Description	**Box Type**	**Pack Size**	**Cat. No**
	Cardboard storage boxes for centrifuge tubes Manilla cardboard box with lift-off lid Removable dividers Moisture resistant coating Dimensions (WxDxH): 145 x 145 x 80 mm Max. tube height: 140 mm	36-Place for 15 ml Tubes	1	I 9023-1615
		16-Place for 50 ml Tubes	1	I 9023-1650
Tubes not included.				

Cryogenic Storage Boxes

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

ORDER INFORMATION				
	Description	**Box Type**	**Pack Size**	**Cat. No**
Can be used in the Stainless Steel Freezer Racks on page 112 as well as in the Aluminum Freezer Rack on page 114	**Cryogenic storage boxes** White polycarbonate base with transparent, keyed (one-way) lift-off lid with printed reference grid Drain holes for venting and safety Dimensions (WxDxH): 130 x 130 x 55 mm	81-Place	5	I 2381-2305
		100-Place	5	I2510-5005

Cryogenic Storage Boxes

Coloured cryogenic storage boxes

A range of coloured polycarbonate storage boxes for use in ultra-low temperatures. Boxes can be submerged in LN_2. A choice of different colour bases allows you to colour coordinate your samples for easy identification. Temperature use: -196 °C to 121 °C. Autoclavable.

ORDER INFORMATION				
	Description	**Base Colour**	**Pack Size**	**Cat. No**
	25-Place 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	5	E2381-5001
		Green	5	E2381-5002
		Orange	5	E2381-5003
		Red	5	E2381-5004
		Yellow	5	E2381-5006
		Mixed[1)]	5	E2381-5099
	81-Place 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 Can be used in the Stainless Steel Freezer Racks on page 112 or the Aluminium Rack on page 114	Blue	5	E2382-5001
		Green	5	E2382-5002
		Orange	5	E2382-5003
		Red	5	E2382-5004
		Yellow	5	E2382-5006
		Mixed[1)]	5	E2382-5099
	81-Place, Tall 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: 91 mm Can be used in the Aluminium Rack on page 114	Blue	5	E2382-6001
		Green	5	E2382-6002
		Orange	5	E2382-6003
		Red	5	E2382-6004
		Yellow	5	E2382-6006
		Mixed[1)]	5	E2382-6099
	100-Place 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 Can be used in the Stainless Steel Freezer Racks on page 112 or the Aluminium Rack on page 114	Blue	5	E2383-5001
		Green	5	E2383-5002
		Orange	5	E2383-5003
		Red	5	E2383-5004
		Yellow	5	E2383-5006
		Mixed[1)]	5	E2383-5099

[1)]Mixed pack contains one of each colour.

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

ORDER INFORMATION				
	Description	**Colour**	**Pack Size**	**Cat. No**
Can be used in the Stainless Steel Freezer Racks on page 112 or the Aluminum Freezer Rack on page 114	**StarStore 81Z** zylar resin storage box Fixed 13 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 Dimensions (WxDxH): 130 x 130 x 45 mm	Natural	5	E2301-5309

Centrifuge Tube Storage

A range of storage solutions specifically for centrifuge tubes.

ORDER INFORMATION				
	Description	**Colour**	**Pack Size**	**Cat. No**
	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 °C to 121 °C. Autoclavable Dimensions (WxDxH): 145 x 145 x 127 mm	Green, for 36 x 15 ml	2	E9025-3615
		Blue, for 16 x 50 ml	2	E9025-1650
	Centrifuge tube storage boxes Clear polypropylene boxes. One holds 25 x 15 ml tubes, the other holds 2 x 15 ml tubes and 10 x 50 ml tubes. Clear lift-off lid For use in temperatures -90 °C to 121 °C. Autoclavable Dimensions (WxDxH): 130 x 130 x 130 mm	Natural, for 25 x 15 ml	1	E9025-2515
		Natural, for 2 x 15 ml & 10 x 50 ml	1	E9025-1550
	Wire racks for 15 ml or 50 ml tubes Chemically resistant epoxy coated wire racks Ideal for use with conical tubes 15-place rack for 15 ml tubes (max. tube diameter: 20 mm) Dimensions (WxDxH): 127 x 76 x 176 mm 8-place rack for 50 ml tubes (max. tube diameter: 30 mm) Dimensions (WxDxH): 147 x 80 x 89 mm Both racks are autoclavable	Blue, for 15 x 15 ml	1	E2396-1515
		Blue, for 8 x 50 ml	1	E2396-1550
	StarRack Multi for 15 ml or 50 ml 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 they will sink to the bottom without toppling over! Dimensions (WxDxH): 293 x 115 x 65 mm	**60-Place Rack**		
		Blue	1	E2396-9711
		Green	1	E2396-9712
		Orange	1	E2396-9713
		Violet	1	E2396-9715
		Yellow	1	E2396-9716
		18-Place Rack		
		Blue	1	E2396-9721
		Green	1	E2396-9722
		Orange	1	E2396-9723
		Violet	1	E2396-9725
		Yellow	1	E2396-9726
Tubes not included.				

www.starlab.click/**tubestorage**

www.starlab.click/**wireracks**

See also Cardboard Storage Boxes on page 112, plus many of the multi-tube racks on pages 106–108 will accommodate centrifuge tubes

SEE ALSO:
Stainless Steel Freezer Racks for the direct storage of Centrifuge Tubes on page 113

Storage Boxes & Racks

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

ORDER INFORMATION				
	Description	**Colour**	**Pack Size**	**Cat. No**
	100-Place polypropylene storage box, ideal for the storage of taller tubes, up to 53 mm high such as the Screw Cap Microtubes on pages 68 and 69. Fixed 12.5 x 12.5 mm dividers Moulded reference grid inside (A–J, 1–10) Hinged lid with positioning lugs for stable stacking Completely black box available for light sensitive samples Dimensions (WxDxH): 140 x 155 x 64 mm	Natural	5	E2100-5000
		Green	5	E2100-5002
		Red	5	E2100-5004
		Yellow	5	E2100-5006
		Black[1)]	5	E2100-5008
Tubes not included. [1)]Black base and lid				

ORDER INFORMATION				
	Description	**Colour**	**Pack Size**	**Cat. No**
	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 it does have an optional storage box into which it fits for extra security during freezer storage Dimensions (WxDxH): 226 x 67 x 28 mm	Natural	5	E2380-5000
The StarRack 80 does not have a lid, but an optional storage box is available		Neon Blue	5	E2380-5041
		Neon Green	5	E2380-5042
		Neon Orange	5	E2380-5043
		Neon Pink	5	E2380-5044
		Neon Yellow	5	E2380-5046
		Neon Mixed[1)]	5	E2380-5048
	StarRack 80 Storage Box Polypropylene storage box for StarRack 80 Transparent, hinged lid with natural or coloured base Dimensions (WxDxH): 236 x 85 x 52 mm	Natural	5	E2390-5000
[1)]Neon mixed pack contains one of each neon colour.				

Multi-Tube Racks

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

ORDER INFORMATION				
	Description	**Colour**	**Pack Size**	**Cat. No**
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 (without lid) 170 x 80 x 50 mm (with lid)	Natural	1	E2340-4000
		Neon Blue	1	E2340-4041
		Neon Green	1	E2340-4042
		Neon Orange	1	E2340-4043
		Neon Pink	1	E2340-4044
		Neon Yellow	1	E2340-4046
		Mixed Neon[1)]	5	E2340-3099
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 (without lid), 130 x 130 x 50 mm (with lid) StarRack 64 racks fit inside the Stainless Steel Freezer Racks on page 112 or the Aluminum Freezer Rack on page 114	Natural	1	E2364-1010
		Neon Blue	1	E2364-1041
		Neon Green	1	E2364-1042
		Neon Orange	1	E2364-1043
		Neon Pink	1	E2364-1044
		Neon Yellow	1	E2364-1046
		Mixed Neon[1)]	5	E2364-6048
Double-sided!	**StarRack 96** double-sided polypropylene rack with moulded matrix on both sides (A–H, 1–12) Holds: 96 x 0.5 ml 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 (without lid), 222 x 120 x 50 mm (with lid)	Natural	1	E2396-0010
		Black	1	E2396-0018
		Neon Blue	1	E2396-0041
		Neon Green	1	E2396-0042
		Neon Orange	1	E2396-0043
		Neon Pink	1	E2396-0044
		Neon Yellow	1	E2396-0046
		Mixed Neon[1)]	5	I2396-5048

[1)]Neon Mixed packs contain one of each neon colour.

www.starlab.click/**starrack**

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

ORDER INFORMATION

	Description	Colour	Pack Size	Cat. No
	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	1	E2345-1000
		Neon Blue	1	E2345-1041
		Neon Green	1	E2345-1042
		Neon Orange	1	E2345-1043
		Neon Pink	1	E2345-1044
		Neon Yellow	1	E2345-1046
		Mixed Neon[1)]	5	E2345-1099
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	1	E2346-1000
		Neon Blue	1	E2346-1041
		Neon Green	1	E2346-1042
		Neon Orange	1	E2346-1043
		Neon Pink	1	E2346-1044
		Neon Yellow	1	E2346-1046
		Mixed Neon[1)]	5	E2346-1099
	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	1	E2347-1001
		Green	1	E2347-1002
		Orange	1	E2347-1003
		Red	1	E2347-1004
		Violet	1	E2347-1005
		Mixed[1)]	5	E2347-1099

Tubes not included. [1)]Mixed packs contain one of each neon colour.

ORDER INFORMATION

	Description	Colour	Pack Size	Cat. No
 	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 Each complete unit (4 colour sections) holds up to: 50 ml tubes (max. 30 mm ø) x 2 per section 15 ml tubes (max. 18 mm ø) x 8 per section 1.5/2.0 ml tubes (max. 11 mm ø) x 12 per section 0.5 ml tubes (max. 8 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 0.2 ml PCR tubes x 48 per section Dimensions (WxDxH): 257 x 108 x 108 mm (complete unit) 69 x 108 x 108 mm (each section)	Yellow Blue Green Red	1	E2344-1099

Tubes/Plates not included.

ORDER INFORMATION

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

Tubes not included.

Multi-Tube Racks

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

ORDER INFORMATION				
	Description	**Colour**	**Pack Size**	**Cat. No**
Double-sided!	**Connect-A-Rack** polypropylene double-sided rack Can be connected side by side, or one on top of the other Holds 80 x tubes up to 12 mm diameter on one side 60 x 0.2/0.5 ml tubes on the other Frosted writing area on sides of rack Very small footprint to save valuable bench space Supplied with two removable handles and connecting pins Dimensions (WxDxH): 223 x 67 x 27 mm (without lid) Lid supplied separately	Blue	5	E2380-6001
		Green	5	E2380-6002
		Orange	5	E2380-6003
		Pink	5	E2380-6004
		Yellow	5	E2380-6006
	Transparent Lid for use with Connect-A-Rack	Clear	5	E2380-6000

ORDER INFORMATION				
	Description	**Colour**	**Pack Size**	**Cat. No**
	Three-Tier Multi Tube Rack Polypropylene racks that can be connected side by side Each tier 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 each of Blue, Green, Violet, Yellow, Orange and Natural)	6	E2313-1009

ORDER INFORMATION				
	Description	**Colour**	**Pack Size**	**Cat. No**
	StarRack Multi 84-place rack, ideal for taller tubes e.g. cryogenic storage vials 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 they will sink to the bottom without toppling over! Dimensions (WxDxH): 293 x 115 x 65 mm	Blue	1	E2396-9701
		Green	1	E2396-9702
		Orange	1	E2396-9703
		Violet	1	E2396-9705
		Yellow	1	E2396-9706
Tubes not included. NOTE: This rack is not suitable for use with microcentrifuge tubes.				

PCR Sample Racks

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

PCR Sample Racks

PCR Workstation

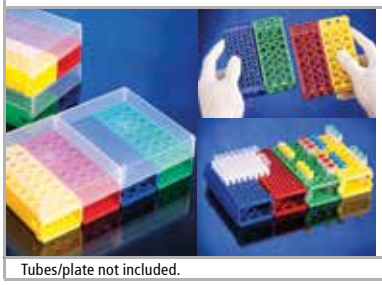
Polypropylene racks for the storage of PCR tubes, PCR strips and PCR plates, as well as 0.5 ml and 1.5/2.0 ml microcentrifuge tubes. Moulded, alpha-numeric matrix. The two different sized racks (Rack A and Rack B) can be combined to form the complete PCR Workstation. Racks can either be purchased separately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

ORDER INFORMATION

	Description	Colour	Pack Size	Cat. No
	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 transparent, lift-off lid Dimensions (WxDxH): 127 x 87 x 33 mm (with lid)	Neon Blue[1)]	1	E2396-1651
		Neon Green[1)]	1	E2396-1652
		Neon Orang[1)]	1	E2396-1653
		Neon Pink[1)]	1	E2396-1654
		Neon Yellow[1)]	1	E2396-1656
		Mixed Neon[2)]	5	E2396-9659
	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 transparent, lift-off lid Dimensions (WxDxH): 215 x 115 x 50 mm (with lid) **Rack**	Neon Blue[1)]	1	E2396-1641
		Neon Green[1)]	1	E2396-1642
		Neon Orange[1)]	1	E2396-1643
		Neon Pink[1)]	1	E2396-1644
		Neon Yellow[1)]	1	E2396-1646
		Mixed Neon[2)]	5	E2396-9649
	Racks A & B (Complete Workstation) Rack A (without lid) can be inserted into the designated area of Rack B Supplied with lid for Rack B only	Neon Blue[1)]	1+1	E2396-9691
		Neon Green[1)]	1+1	E2396-9692
		Neon Orange[1)]	1+1	E2396-9693
		Neon Pink[1)]	1+1	E2396-9694
		Neon Yellow[1)]	1+1	E2396-9696
		Mixed Neon[3)]	5+5	E2396-9669

[1)]Pack contains one rack with lid. [2)] Pack contains one rack of each colour and five lids. [3)] Pack contains five Rack A (one of each colour), five Rack B (one of each colour) and five lids for Rack B.
Tubes not included.

ORDER INFORMATION

	Description	Colour	Pack Size	Cat. No
	**PCR Lock-Rack** Polypropylene racks which lock together to make larger/smaller 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 sect. with lid)	Mixed (one section each of blue, green, red, yellow)	4 Sections, 2 Lids	E2344-2099

Tubes/plate not included.

ORDER INFORMATION

	Description	Colour	Pack Size	Cat. No
	Double-Sided PCR Work Rack Double-sided polypropylene rack with transparent (detachable), hinged lid which has: 168 x 0.2 ml wells AND 12 x 1.5 ml wells on one side, and 40 x 0.5 ml wells AND 12 x 1.5 ml wells on the other Dimensions (WxDxH): 206 x 131 x 54 mm	Mixed (one each of blue, green, orange pink, yellow)	5	E2396-0599

Tubes not included.

Chiller Racks

StarChill. High performance chiller racks

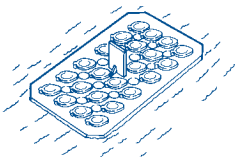
Maintain a fridge environment on the benchtop or on your robot! The centre section of StarChill racks changes colour when frozen. It then gradually turns back to its original colour as it warms up, thus giving an instant, visual-indication of the temperature.

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

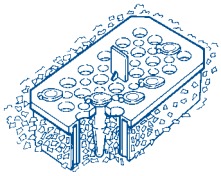
[1)]Time will vary, depending on ambient temperature. All StarChill racks must be frozen for a minimum of 8 hours at -20 °C before use. Not Autoclavable.

www.starlab.click/**starchill**

Ice Bath / Floating Rack



Used in the waterbath, the rack insert floats with great stability



Or you can pack ice around each tube inside the rack

A versatile rack that can be used as a self-contained ice bath or used in the waterbath. Use the rack in the hinged storage box supplied and pack with ice; or take it out to float in the water bath – the moulded-in buoys give the racks exceptional stability.

- Holds 24 x 1.5/2.0 ml tubes, or 14 x 0.5 ml tubes, or a combination of both
- Temperature use: -80 °C to 121 °C. Autoclavable

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
Ice Bath / Floating Rack	5	I 2324-5000
Tubes not included.		

Transport Cases & Coolers

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

Tubes not included.

Benchtop Coolers

Stainless Steel Freezer Racking

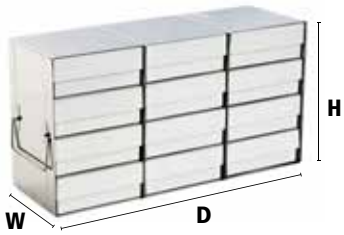
Freezer racking for standard storage boxes up to 136 x 136 x 55mm

These Stainless Steel (SS) racks for upright or chest freezers are designed for use with standard storage boxes and racks.

The freezer racks on this page are suitable for use with:

- The StarStore 130 x 130 mm range of storage boxes on page 100
- The 50 mm high cardboard storage boxes on page 102
- The cryogenic storage boxes specified on pages 102–103
- StarRack 64 on page 106
- Any storage box up to 136 x 136 x 55mm

Measuring upright freezer racking



I 2602-3400

Racks with side access have a handle on either end

ORDER INFORMATION				
Description	**Boxes Deep**	**Boxes High**	**Dimensions (WxDxH)**	**Cat. No.**
9-Place SS Rack	3	3	139 x 419 x 168 mm	I 2602-3300
12-Place SS Rack	3	4	139 x 419 x 221 mm	I 2602-3400
15-Place SS Rack	3	5	139 x 426 x 276 mm	I 2602-3500
12-Place SS Rack	4	3	139 x 558 x 168 mm	I 2602-4300
16-Place SS Rack	4	4	139 x 558 x 221 mm	I 2602-4400
20-Place SS Rack	4	5	139 x 558 x 276 mm	I 2602-4500
Boxes not included.				

I 2632-3400

Racks with pull-out shelves provides front access so there is no need to remove the complete unit when unloading all or one of the boxes from the freezer

ORDER INFORMATION				
Description	**Boxes Deep**	**Boxes High**	**Dimensions (WxDxH)**	**Cat. No.**
9-Place SS Rack, Pull Out Shelves	3	3	140 x 421 x 171 mm	I 2632-3300
12-Place SS Rack, Pull Out Shelves	3	4	140 x 421 x 228 mm	I 2632-3400
16-Place SS Rack, Pull Out Shelves	4	4	140 x 558 x 228 mm	I 2632-4400
Boxes not included.				

I 2602-1100

I 2602-6000

Racks for chest freezers have a handle on the top, plus a locking bar to prevent boxes from slipping out when lifting the rack in or out of the freezer

ORDER INFORMATION		
Description	**Dimensions (WxDxH)**	**Cat. No.**
6-High SS Rack	140 x 140 x 335 mm	I 2602-6000
7-High SS Rack	140 x 140 x 390 mm	I 2602-7000
8-High SS Rack	140 x 140 x 445 mm	I 2602-8000
9-High SS Rack	140 x 140 x 500 mm	I 2602-9000
10-High SS Rack	140 x 140 x 555 mm	I 2602-1000
11-High SS Rack	140 x 140 x 610 mm	I 2602-1100
12-High SS Rack	140 x 140 x 665 mm	I 2602-1200

www.starlab.click/**freezerracking**

Freezer racking for StarStore 100 storage boxes (140 x 155 mm)

These Stainless Steel (SS) racks for upright and chest freezers are designed specifically for use with our popular StarStore 100 storage boxes (page 101).

The racks for upright freezers have a handle on either end. The racks for chest freezers have a handle on the top, plus a locking bar to prevent the boxes slipping out when lifting the rack in or out of the freezer.

The StarStore 100 storage boxes to fit the racks above are on page 101

ORDER INFORMATION				
Description	**Boxes Deep**	**Boxes High**	**Dimensions (WxDxH)**	**Cat. No.**
8-Place SS Rack	2	4	149 x 318 x 235 mm	I 2610-0800
12-Place SS Rack	3	4	149 x 476 x 235 mm	I 2610-1200
15-Place SS Rack	3	5	149 x 476 x 294 mm	I 2610-1500
Boxes not included.				

ORDER INFORMATION		
Description	**Dimensions (WxDxH)**	**Cat. No.**
8-High SS Rack	149 x 159 x 469 mm	I 2610-1800
9-High SS Rack	149 x 159 x 527 mm	I 2610-1900
10-High SS Rack	149 x 159 x 586 mm	I 2610-2000
11-High SS Rack	149 x 159 x 644 mm	I 2610-2100
12-High SS Rack	149 x 159 x 703 mm	I 2610-2200
13-High SS Rack	149 x 159 x 761 mm	I 2610-2300
Boxes not included.		

Upright freezer racking for 15 ml and 50 ml centrifuge tubes

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

ORDER INFORMATION			
Description	**Drawers**	**Dimensions (WxDxH)**	**Cat. No.**
60-Place SS Rack for 15 ml Tubes	1	140 x 419 x 126 mm	I 2615-1000
120-Place SS Rack for 15 ml Tubes	2	140 x 419 x 252 mm	I 2615-3600
60-Place SS Rack for 50 ml Tubes	2	140 x 419 x 252 mm	I 2650-3600
78-Place SS Rack for 50 ml Tubes	2	140 x 559 x 252 mm	I 2650-2600
Image for illustrative purposes only to show storage of 15 ml and 50 ml tubes. Tubes not supplied.			

Stainless Steel Freezer Racking

Freezer racks for plates

Stainless Steel (SS) racks for upright freezers, ideal for storing a variety of plates. The racks have handles on either end, plus locking bars to prevent the plates slipping out.

ORDER INFORMATION				
Description	**Plates[1)]**	**Plates[1)] with lid**	**Dimensions (WxDxH)**	**Cat. No.**
10 Compartment SS Rack	80	70	140 x 467 x 233 mm	I 2652-0957
10 Compartment SS Rack, Extended	120	96	140 x 467 x 280 mm	I 2652-1157
12 Compartment SS Rack	96	84	140 x 559 x 233 mm	I 2662-0957
12 Compartment SS Rack, Extended	144	112	140 x 559 x 280 mm	I 2662-1157

[1)]Approx. number of standard sized plates
Size of each aperture (WxDxH): 90 x 132 x 113 mm (Extended Racks 136 mm high).

Aluminium Freezer Racking

Flexibility and freedom for your freezer!

These aluminium racks are recommended for all applications where a flexible storage solution is needed. The adjustable shelves allow the rack to be used for all heights of storage boxes with a maximum footprint of 138 x 138 mm.

Each rack is supplied with the number of shelves stated in the table below and a locking rod for securing the boxes in the rack. Additional shelves are available separately so you have the flexibility of purchasing only the shelves that you need, according to the number and height of the boxes you want to store in your chest freezer.

ORDER INFORMATION			
Description	**Shelves**	**Dimensions (WxDxH)**	**Cat. No.**
Flexible Rack for Chest Freezers	1	145 x 140 x 340 mm	I 2603-0110
Flexible Rack for Chest Freezers	2	145 x 140 x 395 mm	I 2603-0112
Flexible Rack for Chest Freezers	2	145 x 140 x 450 mm	I 2603-0114
Flexible Rack for Chest Freezers	2	145 x 140 x 505 mm	I 2603-0116
Flexible Rack for Chest Freezers	3	145 x 140 x 560 mm	I 2603-0118
Flexible Rack for Chest Freezers	3	145 x 140 x 615 mm	I 2603-0120
Flexible Rack for Chest Freezers	4	145 x 140 x 670 mm	I 2603-0122
Flexible Rack for Chest Freezers	4	145 x 140 x 725 mm	I 2603-0124
Extra Shelf for Flexible Racks	1		I 2603-0130

Multi Functional

Only one device for a variety of applications

MIXER HC 116–117

ASPIRATOR 118–119

MIXERS
Rotator Mixer Multi 1 120
Microplate Mixer 121
Tube Roller 122

VORTEXERS
Vortex 123
Vortex IR 124

SHAKERS
Orbital Shaker 125
Rocking & Rocking 3D Shaker 126

STIRRERS
Magnetic Stirrer 127
Magnetic Stirrer with Heating 127

DRY BATH INCUBATORS
Mini Dry Bath 128
Single & Dual Block Dry Baths.....129

CENTRIFUGES
Mini Fuge Plus 130
Plate Centrifuge 131

PCR CABINETS
Airclean® PCR Cabinets 132–133

Mixer HC

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

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

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

Product features

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

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

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

www.starlab.click/**mixerhc**

ORDER INFORMATION

	Description	Pack Size	Cat. No.
	Mixer HC[1]	1	S8012-0000
	Accessories		
	Thermoblock 24 x 0.5 ml Microcentrifuge Tubes[2]	1	S8012-0010
	Thermoblock 24 x 1.5 ml Microcentrifuge Tubes[3]	1	S8012-0011
	Thermoblock 24 x 2.0 ml Microcentrifuge Tubes[3][4]	1	S8012-0012
	Thermoblock 24 x 2.0 ml Microcentrifuge Tubes Ø 12 mm[5]	1	S8012-0013
	Thermoblock 8 x 5.0 ml Preparation Tubes	1	S8012-0014
	Thermoblock 8 x 15 ml Conical Centrifuge Tubes	1	S8012-0015
	Thermoblock 4 x 50 ml Conical Centrifuge Tubes	1	S8012-0016
	Thermoblock 24 x 1.5/2.0 ml Cryo Tubes	1	S8012-0017
	Thermoblock for Micro/Deepwell Plates, with Lid	1	S8012-0018
	Adapter Plate 96 x 0.2 ml (for use with Thermoblock S8012-0018)	1	S8012-0019
	ISO-Rack for 24 x 0.5 ml Microcentrifuge Tubes	1	S8012-0020
	ISO-Rack for 24 x 1.5/2.0 ml Microcentrifuge Tubes	1	S8012-0021

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

2-year warranty

TECHNICAL SPECIFICATIONS

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

[1] Find more information at www.starlab.click/mixerhc

A perfect match –
TubeOne® microcentrifuge tubes

TubeOne® tubes stay sealed during boiling, freezing or centrifuging, and are still easy to open afterwards! Optically clear, the tubes also feature a frosted writing surface. Visit www.starlab.click/**tubeone** or see page 50 for more information

Aspirator

Use two hand controllers without any loss of performance

The STARLAB Aspirator is designed for the safe and efficient aspiration of fluids. The vacuum level and suction power is adjustable in eight steps, ranging from 150 to 850 mbar for safe and reproducible working. The chemically-resistant pump automatically switches on/off to reduce noise level in the workplace. The ergonomically-designed hand controller is fully autoclavable. Collection containers are available in two options; 4 L polypropylene and 2 L glass bottles. Additionally, the Aspirator can be used as a mobile vacuum source for sterile filtration and solid phase extraction.

Product features

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

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

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

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

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

ORDER INFORMATION			
	Description	**Pack Size**	**Cat. No.**
	Aspirator incl. 4l bottle & handcontroller	1	N2400-9000
	Accessories		
	Hand controller for Aspirator[1)]	1	N2400-9001
	1-channel tip adapter for controller	1	N2400-9002
	8-channel tip adapter for controller[2)]	1	N2400-9003
	Stand for hand controller	1	N2400-9004
	Tubing for handcontroller, 2.5 m	1	N2400-9005
	Connection Kit for 2nd hand controller	1	N2400-9006
	Protection filter with connective tubing	1	N2400-9007
	Quick coupling hand controller to bottle	1	N2400-9008
	Quick coupling bottle to pump	1	N2400-9009
	4l PP-bottle with filter & inlet pipe	1	N2400-9010
	4l PP-bottle with screw cap	1	N2400-9011
	2l glass bottle with filter & inlet pipe	1	N2400-9012
	Adapter for 2l glass bottle	1	N2400-9013
	Mobile underframe	1	N2400-9014
	Tool for diaphragm change	1	N2400-9015

[1)] Includes one adapter for pipettes, one adapter for pipette tips, a wall mount and 2.5m of tubing. [2)] Includes a stand.

N2400-9000 is supplied with 4L PP bottle, handcontroller, adapters for pipettes and pipette tips (200, 300 and 1000 µl) and a wall mount for handcontroller.
Want to set up a second hand controller on your Aspirator? This is what you will need to purchase:
N2400-9001 + N2400-9006 or N2400-9008 (N2400-9008 is recommended)
1-year warranty

TECHNICAL SPECIFICATIONS	
Max. pumping speed	16.7 l/min
Adjustable range of vacuum	150 - 850 mbar
Max. permissible inlet/ outet pressure	1.1 bar
Noise level	45 dB(A)
Power supply	230 V + 10 %, 50/60 Hz
Max. power consumption	40 W
Permissible ambient temperature	10 to 40 °C
Permissible relative humidity	30 - 85 %
Dimensions (W × D × H)	408 × 194 × 500 mm
Weight	7.3 kg

www.starlab.click/**aspirator**

A perfect match –
CytoOne® Bottle Top Filtration Units

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

More details:
see pages 94-98 or visit
www.starlab.click/**cytoone**

Rotator Mixer Multi 1

Product features

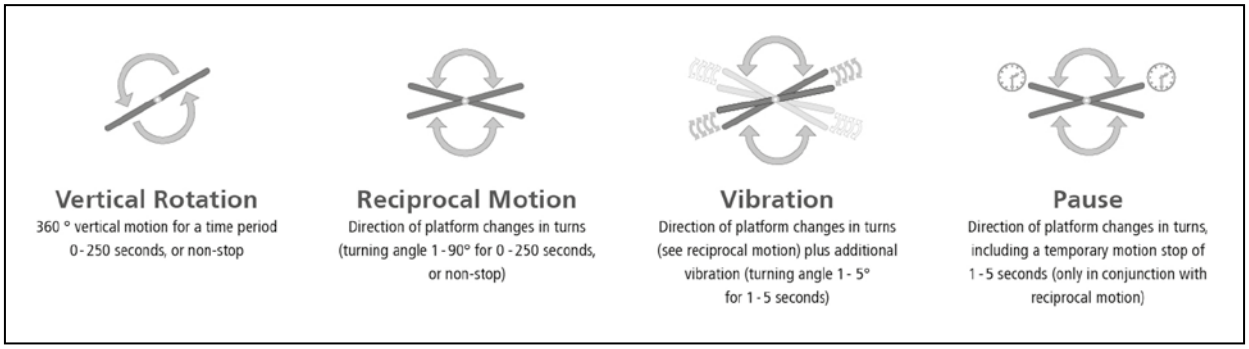
- Controlled sample inverting
- Programmable
- Three different motions
- Variable speed and timer
- Low profile and small footprint

Mix it up!

Compact and multifunctional, the programmable Rotator Mixer Multi 1 provides thorough mixing of microtubes with consistent results. The rotator is designed for mixing applications including cell suspensions, incubations, extraction procedures, gel washing and precipitations.

The three different motions – vertical rotation, reciprocal motion and vibration – can be used separately or combined, as well as variable speed and timer functions.

Supplied with a standard platform for 26 tubes up to 15 mm diameter (eg. 1.5 ml, 2.0 ml and 15 ml tubes), STARLAB's Rotator Mixer is a practical aid for your daily mixing tasks. An optional platform, for five tubes up to 30 mm diameter (eg. 50 ml tubes) and 12 tubes up to 15 mm diameter, is available separately.



ORDER INFORMATION			
	Description	**Pack Size**	**Cat. No.**
	Rotator Mixer Multi 1	1	N2400-5000
Accessories			
	Platform for 5x50ml + 12x1.5-15ml tubes	1	N2400-5103
	Platform for 26 tubes up to 15mm diameter	1	N2400-5104

N2400-5000 is supplied with platform N2400-5104
2-year warranty

TECHNICAL SPECIFICATIONS	
Speed Range	1-100 rpm (increment 1 rpm)
Max. Load	0.5 kg
Timing capacity	Auto switch-off: 1 minute - 24 hours. Vertical or Reciprocal Mode: 0 - 250 seconds, or non-stop. Vibration mode: 0 - 5 seconds
Permissible ambient temperature	4 – 40 °C
Dimensions (W × D × H)	365 × 195 × 155 mm
Weight	1.8 kg
Output	1.25 A

www.starlab.click/**rotatormixer**

Microplate Mixer

Compact and versatile!
This microplate mixer is ideal for the mixing and shaking of any skirted plate (PCR, Cell Culture, Deepwell, Microtitre and Microplates). The mixer can hold either one or two plates, depending on the attachment being used, and can also mix tubes with the special tube adapter accessories. The stepless, variable vibration speed is excellent for applications such as the resuspending of pellets. The small footprint saves space on your bench.

Product features

- Suitable for use with all skirted plates with SBS footprint
- Wide range of speed from 0 to 1500 rpm
- Small footprint
- Stepless speed control
- Various accessories for microtitre plates and tubes

ORDER INFORMATION			
	Description	**Pack Size**	**Cat. No.**
	Microplate Mixer	1	N2400-8040
Accessories			
	Attachment for one microtiterplate	1	N2400-8041
	Attachment for two microtiterplates	1	N2400-8042
	Tube Adapter for 15 x 1.5/ 2.0ml Tubes[1]	1	N2400-6012
	Microplate Mixer Adapter Plate	1	N2400-8043
	Tube Adapter for 8 x 15ml Centrifuge Tubes[1]	1	N2400-6013

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

Microplate Mixer is supplied with an attachment for one plate (N2400-8041) as shown in main image. N2400-8041 and N2400-8042 suitable for use with all skirted SBS footprint plates (127.8 x 85.5 mm). N2400-6012 and N2400-6013 can also be used with the Vortex (page 123) in combination with its adapter N2400-6043.
2-year warranty

TECHNICAL SPECIFICATIONS	
Speed Range	0 – 1500 rpm[1]
Max. Load	0.5 kg
Type of movement	Orbital
Orbital Diameter	4.5 mm
Power supply	100 – 240 V, 50/60 Hz
Max. power consumption	20 W
Permissible ambient temperature	4 – 40 °C
Dimensions (W × D × H)	150 × 260 × 80 mm
Weight	3 kg
Permissible Relative Humidity	< 80 %

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

www.starlab.click/**microplate-mixer**

A perfect match –
Deepwell and microplates

More details:
see page 71 or visit www.starlab.click/**plates**

Mixers

Tube Roller

Rock and roll!
Simultaneous rolling and tilting movements ensures thorough mixing. The tube roller is built for continuous operation and is suitable for applications such as hybridisation. The unit offers variable speed control and features a sturdy and robust construction.

Product features

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

ORDER INFORMATION			
	Description	**Pack Size**	**Cat. No.**
	Tube Roller	1	N2400-7010

2-year warranty

TECHNICAL SPECIFICATIONS	
Speed Range	0 – 70 rpm
Max. Load	4 kg
Type of movement	Orbital
Unit Material	Polyoxymethylene
No. of rollers	6
Power supply	100 – 240 V, 50/60 Hz
Max. power consumption	25 W
Permissible ambient temperature	4 – 40 °C
Dimensions (W × D × H)	260 × 460 × 120 mm
Weight	4.5 kg
Permissible Relative Humidity	< 80 %
Size of rollers	280 x 30 mm

www.starlab.click/**tuberoller**

Mixers

A perfect match –
Centrifuge Tubes

For more details:
see page 59 or visit
www.starlab.click/**centrifugetubes**

Vortex

Simple and smart!
An economical vortex for quick and convenient mixing of small sample volumes. Supplied with a universal cup for tubes or vessels up to 30 mm, the vortex also has a range of accessories to allow the mixing of various tube sizes as well as skirted plates.

The variable speed provides the gentle mixing of samples up to higher speeds for vigorous mixing and resuspending cells or pellets. Anti-slip feet ensures stability on the bench during mixing.

Product features

- Variable speed control up to 2500 rpm
- Two operating modes: continuous and touch
- Wide range of accessories
- Anti-slip, vacuum suction feet
- Small footprint

ORDER INFORMATION			
	Description	**Pack Size**	**Cat. No.**
	Vortex	1	N2400-6010
Accessories			
	Vortex Replacement Universal Cup	1	N2400-6011
	Tube Adapter for 15 x 1.5/ 2.0ml Tubes[1]	1	N2400-6012
	Tube Adapter for 8 x 15ml Centrifuge Tubes[1]	1	N2400-6013
	Adapter for 96 Well Microplates	1	N2400-6014
	Vortex Adapter Plate	1	N2400-6015

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

Vortex is supplied with an universal cup for tubes (N2400-6011) as shown in main image. N2400-6012 and N2400-6013 can also be used as an attachment on the Microplate Mixer (see page 66) in combination with its adapter N2400-8043.
2-year warranty

TECHNICAL SPECIFICATIONS	
Speed Range	0 – 2500 rpm[1]
Max. Load	0.5 kg
Type of movement	Orbital
Orbital Diameter	4 mm
Operation	Two: touch and continuous
Unit Material	Epoxy painted zinc alloy
Power supply	110 – 230 V, 50/60 Hz
Max. power consumption	60 W
Permissible ambient temperature	4 – 40 °C
Dimensions (W × D × H)	127 × 130 × 160 mm
Weight	3.5 kg
Permissible Relative Humidity	< 80 %

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

www.starlab.click/**vortex**

Vortex IR

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

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

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

Product features

- Variable speed control up to 3000 rpm
- Continuous mode, or sensor mode that automatically starts vibration
- No pressure needed to maintain vibration
- Low-profile design
- Wide range of accessories

ORDER INFORMATION			
	Description	**Pack Size**	**Cat. No.**
	Vortex IR	1	N2400-0001
Accessories			
	Foam Attachment for 19 x 1.5 ml Tubes	1	N2400-1001
	Foam Attachment for 5 x 15 ml Tubes (16 mm)	1	N2400-1002
	Foam Attachment for 4 x 50 ml Tubes (29 mm)	1	N2400-1003
	Foam Attachment for Micro-titre Plate	1	N2400-1004
	Universal Rubber Attachment	1	N2400-1005
	Customizable Soft Foam Attachment	1	N2400-1006
	Replacement Cup for Single Test Tube	1	N2400-1008

The Vortex IR is supplied with a cup (N2400-1008) for single test tube (see main image).
2-year warranty

TECHNICAL SPECIFICATIONS	
Speed Range	0 – 3000 rpm [1]
Max. Load	0.5 kg
Type of movement	Orbital
Orbital Diameter	4.5 mm
Operation	Two: sensor and continuous
Unit Material	Epoxy painted zinc alloy
Power supply	90 – 260 V, 50/60 Hz
Max. power consumption	15 W
Permissible ambient temperature	4 – 40 °C
Dimensions (W × D × H)	180 × 220 × 70 mm
Weight	2.4 kg
Permissible Relative Humidity	< 80 %
Output	1.25 A

[1] Maximum speed 3000 rpm only when using the cup head supplied with the unit. Max. speed use for all other attachments is 1200 rpm, except for N2400-1004 attachment for plates, where max. speed is 800 rpm

www.starlab.click/**vortexir**

Orbital Shaker

Shake it all about!
The orbital shaker has two operating modes: continuous or timer. The digital speed and timer displays ensure ease of use. It provides the orbital shaking of your samples from a gentle agitation up to a vigorous orbital motion. The orbital shaker is suitable for a wide range of molecular biology or immunology applications.

The Orbital Shaker is NOT supplied with a platform. Two platforms are available and sold separately so you can customise your shaker to your requirements.

Product features

- Gentle agitation up to vigorous orbital motion
- LCD displays for speed and time
- Two operating modes: continuous and timer
- Choice of two platforms available
- Holds load up to 7.5 kg

ORDER INFORMATION			
	Description	**Pack Size**	**Cat. No.**
	Orbital Shaker (without platform)	1	N2400-8030
Accessories			
	Universal Platform with Clamping Rolls	1	N2400-8011
	Universal Platform with Rubber Mat and Bungee Cords	1	N2400-8021

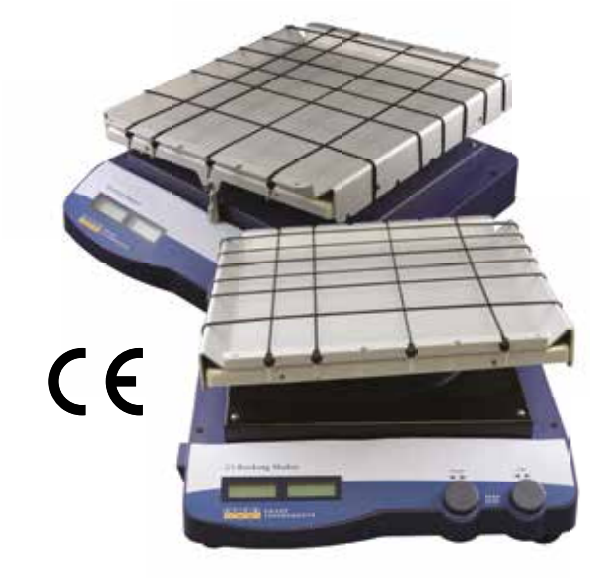
IMPORTANT: N2400-8030 is NOT supplied with a platform. A platform must be purchased separately. N2400-8011 and N2400-8021 can also be used on the Rocking & 3D Rocking Shaker (N2400-8010 / N2400-8020) page 126.
2-year warranty

TECHNICAL SPECIFICATIONS	
Speed Range	100 – 500 rpm
Max. Load	7.5 kg
Type of movement	Orbital
Orbital Diameter	10 mm
Operation	Two: timer and continuous
Display	LCD
Platform Dimensions	300 x 300 mm
RS232-Interface	yes
Timing capacity	1 – 1199 mins (19 hrs 59 mins)
Power supply	100 – 240 V, 50/60 Hz
Max. power consumption	30 W
Permissible ambient temperature	4 – 40 °C
Dimensions (W × D × H)	420 × 370 × 100 mm
Weight	13.5 kg
Permissible Relative Humidity	< 80 %

www.starlab.click/**orbitalshaker**

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

Rocking & 3D Rocking Shakers



Shaken, not stirred!
STARLAB offers two similar shakers but with different movements: see-saw rocking or 3D. Both shakers have a fixed tilt angle and provide two shaking modes: continuous or timer. The digital speed and timer displays ensure ease of use. Both shakers are supplied with a platform with bungee cords.

An alternative platform with clamping rolls is available separately, making these shakers suitable for a wide range of applications including blotting, cultivation and incubation techniques.

Product features

- See-saw rocking or 3D mixing
- Easy to use
- LCD displays for speed and time
- Two operating modes: continuous and timer
- Alternative platform available

ORDER INFORMATION			
	Description	**Pack Size**	**Cat. No.**
	3D Rocking Shaker	1	N2400-8020
	Rocking Shaker	1	N2400-8010
Accessories			
	Universal Platform with Clamping Rolls	1	N2400-8011
	Universal Platform with Rubber Mat and Bungee Cords	1	N2400-8021

Rocking & 3D Rocking Shakers are both supplied with a universal platform with rubber mat and bungee cords (N2400-8021) as shown in main image. N2400-8011 and N2400-8021 can also be used on the orbital shaker (N2400-8030) on page 125.
2-year warranty

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

www.starlab.click/**shakers**

Magnetic Stirrer

Simple but effective!
Ideal for applications such as buffer preparation, this value for money magnetic stirrer has a compact footprint. Easy to use and built to last, the sturdy construction guarantees reliable stirring with the adjustable stirring speed. The unit is supplied with a 40 mm magnetic stir bar.

Product features

- Variable speed range 100 - 1500 rpm
- Stirring volume up to 3 litres
- Includes 40 mm stir bar
- Compact design
- Easy to Clean

ORDER INFORMATION			
	Description	**Pack Size**	**Cat. No.**
	Magnetic Stirrer	1	N2400-2010

2-year warranty

TECHNICAL SPECIFICATIONS	
Speed Range	100 – 1500 rpm (10 rpm steps)
Max. stirring volume	3 l
Plate Diameter	135 mm
Power supply	100 – 240 V, 50/60 Hz
Max. power consumption	15 W
Permissible ambient temperature	4 – 40 °C
Dimensions (W × D × H)	155 × 215 × 75 mm
Weight	0.9 kg
Permissible Relative Humidity	< 80 %

Magnetic Stirrer with Heating

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

Product features

- Fast temperature ramping saves time
- Speed and temperature LED Display
- Hotplate safety warning light
- Chemically-resistant ceramic-coated plate
- Includes 40mm stir bar

ORDER INFORMATION			
	Description	**Pack Size**	**Cat. No.**
	Magnetic Stirrer with Heating	1	N2400-3010
Accessories			
	Temperature sensor PT1000	1	N2400-3011

2-year warranty

TECHNICAL SPECIFICATIONS	
Speed Range	0 – 1500 rpm
Max. stirring volume	3 l
Plate Diameter	135 mm
Power supply	200 – 240 V, 50/60 Hz
Permissible ambient temperature	4 – 40 °C
Dimensions (W × D × H)	155 × 215 × 75 mm
Weight	1.4 kg
Permissible Relative Humidity	< 80 %
Temperature range	Ambient to 280 °C with 1 °C increments

www.starlab.click/**magnetic-stirrer**

Mini Dry Bath Incubator

Tiny, but powerful!

A very small yet powerful unit suitable for a range of applications. The digital microprocessor controls the preset temperature of the metal block and the fast ramping of temperature saves your valuable time. Supplied with a transparent lid for temperature uniformity, the unit can also be used as a mini water bath or bead bath.

Product features

- Microprocessor controlled temperature and timer
- Very small footprint
- Easy, user calibration
- Digital display
- Can also be used as a mini water or bead bath

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

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

Metal Blocks are not included and must be purchased separately.
All metal blocks are supplied with a screw-in handle for easy insertion and removal.
2-year warranty

TECHNICAL SPECIFICATIONS	
Unit Material	Block Material: Aluminium alloy heating chamber Material: Moulded aluminium alloy coated with PTFE
Safety Device	Leak-proof heating chamber and over-heating alarm protection
Controller	Digital microprocessor
Display	digital
Temp. Control Range - Dry Bath	5 °C above ambient to 100 °C
Temp. Control Range - Water Bath	5 °C above ambient to 90 °C
Temperature increase	0.1 °C
Temperature calibration	yes
Temperature uniformity	±0.2 °C at 37 °C
Temperature accuracy	±0.25 °C at 37 °C
Water bath volume	85 ml (approx.)
Fuse	2 A
Timing capacity	0 – 999 mins, continuous
Power supply	100 – 240 V, 50/60 Hz
Max. power consumption	50 W
Operating temperature	Ambient to 40 °C (0.1°C increments)
Dimensions (W × D × H)	125 × 153 × 97 mm
Weight	0.6 kg

www.starlab.click/**mini-dry-bath**

Dry Bath System (Single and Dual)

Dry bath, wet bath!

Designed for a wide variety of applications. Additional function of a water bath. Available as single or dual block units, these systems offer great value and convenience for the user.

Product features

- Microprocessor controlled timer and temperature
- Easy user calibration
- Digital display
- Single or dual block units available
- Use as mini water bath or bead bath possible

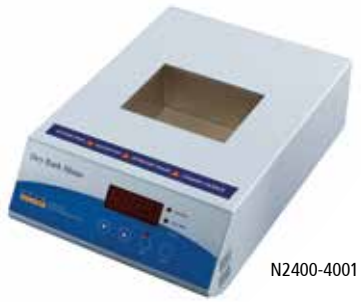
ORDER INFORMATION			
	Description	**Pack Size**	**Cat. No.**
	Dry Bath System (Single Block)[1]	1	N2400-4001
	Dry Bath System (Dual Block)[1]	1	N2400-4002
Accessories			
	Metal Block for 64 x 0.2ml Tubes	1	N2400-4100
	Metal Block for 20 x 1.5ml or 2.0ml Tube	1	N2400-4101
	Metal Block for 12 x 15ml Centrifuge Tube	1	N2400-4102
	Metal Block for 4 x 50ml Centrifuge Tubes	1	N2400-4103
	Metal Block for 20 x 1.5ml Tubes (V-Bottom)	1	N2400-4104
	Metal Block for 20 x 0.5 ml Tubes	1	N2400-4105
	Metal Block for 20 Tubes up to 13mm Diameter	1	N2400-4106
	Metal Block for 96-Well PCR Plates (Single)	1	N2400-4107
	Metal Block for 96-Well PCR Plates (Dual)	1	N2400-4108

[1] Metal Blocks are not included and must be purchased separately.
All metal blocks are supplied with a screw-in handle for easy insertion and removal.

2-year warranty

TECHNICAL SPECIFICATIONS		
Model	**Dry Bath System (Single Block)**	**Dry Bath System (Dual Block)**
Unit Material	Aluminium	
Safety Device	Leak-proof heating chamber	
Controller	Digital Microprocessor	
Display	digital	
Temperature increase	0.1 °C	
Temperature calibration	yes	
Temperature uniformity	±0.2 °C	
Temperature accuracy	±0.2 °C	
Water bath volume	400 ml	800 ml
Block Dimensions	80 x 105 x 50 mm (except N2400-4108)	
Timing capacity	0-999 minutes	
Power supply	220 V	
Operating temperature	5 °C above ambient to 150 °C	
Dimensions (W × D × H)	200 × 270 × 80 mm	200 × 290 × 80 mm
Weight	2.6 kg	2.8 kg

www.starlab.click/**dry-bath-systems**



N2400-4001

Mini Fuge PLUS

Every bench should have one!
The Mini Fuge PLUS centrifuge is ideal for quick spin down of condensate, vortexed or thawed samples. Microfiltration and cell seperation with a speed of 2000 x g is also possible.

Product features

- 8-place rotor for 0.2/0.5/1.5/2.0 ml tubes, including screw cap tubes
- 32-place strip rotor for 0.2 ml tubes or strips
- Quick, easy rotor change without the need for tools
- Option of electronic braking or gradual spin stop
- Second lid switch for added safety

ORDER INFORMATION			
	Description	**Pack Size**	**Cat. No.**
	Mini Fuge PLUS	1	N2631-0017

Mini Fuge PLUS is supplied with two rotors – 'Standard' for use with 1.5/2.0 ml tubes, and 'Strip' for use with 0.2 ml tubes. Includes adapters to convert the Standard rotor for use with 0.2 and 0.5 ml tubes.
2-year warranty

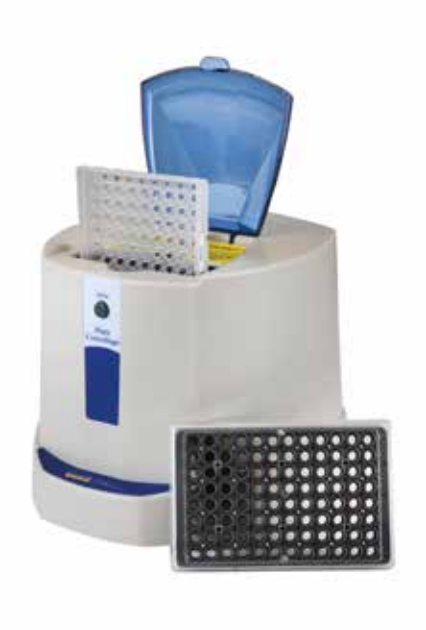
TECHNICAL SPECIFICATIONS	
Speed	6000 rpm
Fuse	0.35 A
Power supply	100 – 240 V, 50/60 Hz
Permissible ambient temperature	5 – 40 °C
Dimensions (W × D × H)	15 × 15 × 11.6 cm
Weight	1.2 kg
Permissible Relative Humidity	>80%
RCF	2000 × g

www.starlab.click/**minifuge-plus**

A perfect match –
PCR Strips and Tubes

For more details:
see pages 61–64 or visit
www.starlab.click/**pcrtubes**
www.starlab.click/**pcrstrips**

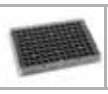
Plate Centrifuge



You spin me round!
The plate centrifuge makes the safe and quick spin down of droplets and condensation very easy. Sealed plates are loaded vertically and surface tension keeps samples in place so there is no danger of spilling samples. The centrifuge accepts all plates up to 25 mm high. An optional adaptor is available for centrifuging 48-well PCR plates and 0.2 ml PCR tubes or strips.

Product features

- Less than quarter the size of most plate centrifuges
- Accommodates two plates
- Rapid start to stop
- Use before and after thermal cycling to increase PCR yield
- Accepts *skirted, semi-skirted* and *non-skirted* plates

ORDER INFORMATION			
	Description	**Pack Size**	**Cat. No.**
	Plate Centrifuge	1	N2631-0008
Accessories			
	Adapter for 1/2 plates, strips and tube	1	N2631-0018

2-year warranty

TECHNICAL SPECIFICATIONS	
Speed	2500 rpm
Rotor capacity	Two plates, any style, up to 25 mm high
Fuse	0.5 AT
Power supply	230 V, 50/60 Hz
Permissible ambient temperature	4 – 30 °C
Dimensions (W × D × H)	190 × 210 × 193 mm
Weight	1.5 kg
Permissible Relative Humidity	< 85%
RCF	500 × g

www.starlab.click/**platecentrifuge**

A perfect match –
PCR Plates

STARLAB offers a comprehensive range of high-quality PCR plates that provide reproducible results.

For full details:
See pages 66–69 or visit
www.starlab.click/**pcrplates**

PCR Cabinets

Get results – not background!

AirClean® Systems PCR Workstations are designed as application solutions for the manipulation and amplification of RNA and DNA. Cross-contamination during amplification of RNA and DNA can lead to results that are inaccurate — results that cost you valuable time and consume expensive reagents.

AirClean® Systems PCR Workstations offer a controlled environment for PCR applications to improve the odds for getting accurate results.

Product features

- UVTect™ microprocessor monitors the life of the consumables so you know they are working effectively
- Polycarbonate design to reflect UV energy
- Folding sash for full and easy access
- One piece construction ensures no UV energy can escape
- Supplied ready-assembled – just plug and play!

AirClean® Systems
"THE FUME CONTROL EXPERTS"

Pre-filtration
Pre-filtration of gross particles via the electrostatic prefilter prolongs the life of the HEPA filter (Laminar Flow models only).

HEPA filter
HEPA filter for Class 100 (ISO 5) particulate-free environment (Laminar Flow models only)

AirClean display
UVTect™ microprocessor controller monitors the life of the consumables so you can be sure both your filter and UV bulb is working effectively

Sash overlap
Sash overlap eliminates potential exposure to harmful shortwave UV irradiation

Built-in safety
Built-in safety switch automatically shuts off the UV light (and turns on the blower when the sash is opened - Laminar Flow models only)

UV reflection
Constructed from polycarbonate which reflects UV light to efficiently irradiate all surfaces and objects within the cabinet. Polycarbonate does not turn yellow and crack over time in the way cabinets made from acrylic often do

Internal shelf
Shelf situated directly under UV lamp so your critical items are close to the UV energy source

Flat polypropylene base
Flat polypropylene base for easy and comfortable use during pipetting – no uncomfortable ledges to lean on!

Slip hatch
Convenient slip hatch for equipment leads; keeps them tidy and away from your working area

Trolley stand
Optional trolley stand available (Height:32")

PCR CABINETS		
Description	**Pack Size**	**Cat. No.**
Dead Air Cabinets		
Dead Air Cabinet 32" [1]	1	N2540-8400
Dead Air Cabinet 48" [1]	1	N2540-8500
Laminar Flow Cabinets		
Laminar Flow Cabinet 32" [2]	1	N2530-8200
Laminar Flow Cabinet 48" [2]	1	N2530-8300

[1] These cabinets do not have a filter system. They provide a circulation-free environment with UV light sterilisation.
[2] Pre- and HEPA filters provide a Class 100 (ISO 5) vertical laminar flow environment in combination with UV light sterilisation.

1-year warranty

PCR CABINET ACCESSORIES		
Description	**Pack Size**	**Cat. No.**
Trolley Stand		
Trolley for 32" Workstations[1]	1	N2520-3200
Trolley for 48" Workstations[1]	1	N2520-4800
UV Bulbs		
UV Bulbs (Pack of 4)[1]	4	N2530-1500
Pre-Filters		
Pre-Filters for 32" Laminar Flow (Pack of 12)	12	N3942-7500
Pre-Filters for 48" Laminar Flow (Pack of 12)	12	N3952-7518
HEPA Filters		
HEPA Filter for 32" Laminar Flow	1	N3942-7000
HEPA Filter for 48" Laminar Flow (2 required)	1	N3952-7018

[1] For use with both Dead Air and Laminar Flow units.

A perfect match –
PCR Plates

STARLAB offers a comprehensive range of high-quality PCR plates that provide reproducible results.
For full details: See pages 66–69 or visit www.starlab.click/**pcrplates**

A perfect match -
Multi-Tube Racks

More details:
See pages 106–108 for our range of racks, ideal for use in the hood or visit www.starlab.click/**tuberacks**

TECHNICAL SPECIFICATIONS				
Model	**Dead Air Cabinet 32"**	**Dead Air Cabinet 48"**	**Laminar Flow Cabinet 32"**	**Laminar Flow Cabinet 48"**
Power supply	220 V			
Dimensions (W × D × H)	813 mm × 610 cm × 762 mm	1219 mm × 610 cm × 813 mm	813 mm × 610 cm × 762 mm	1219 mm × 610 cm × 813 mm
Weight	46 kg		82 kg	
Air velocity	n/a		digital	
Fluorescent bulb	yes			
HEPA Filter	no		yes	
HEPA Filter Life Monitor	no		yes	
Lab Event Timer	yes			
Pre-Filter	no		yes	
UV Bulb	1 x 15 W, 254 nm		2 x 15 W, 254 nm	
UV Bulb Life Monitor	yes			
UV Light Timer	0 – 60 mins (digital)			
UV Safety Interlock Switch	yes			
UVTect Controller	yes			
Variable Speed Blow Control	n/a		yes	

www.starlab.click/**airclean**

StarGuard®, ErgoOne®, TipOne® & TubeOne®
- The perfect match

1

StarGuard® Gloves

STARLAB is committed to providing the best hand protection available. Regardless of the application and user preferences, our four StarGuard® disposable gloves offer daily protection in the laboratory without sacrificing comfort.

www.starlab.click/**starguard**

2

ErgoOne® Pipettes

ErgoOne® provides you with accuracy and precision you can trust, and a stylish new look you will love. Lightweight and extremely easy to use, ErgoOne® can be trusted to provide accurate and precise pipetting all day, every day. Use with STARLAB's TipOne® Tips for the perfect pipetting partnership.
ErgoOne® is designed to fit all popular pipette tips without any loss of accuracy or precision.

www.starlab.click/**manualpipettes**

3

TipOne® Pipette Tips

TipOne® is the original refillable, reusable and recyclable pipette tip system. Recent improvements to the design of the system, based on customer-feedback, is why TipOne® is one of the leading tips for research labs.
Convenience and quality are at the heart of the system and TipOne® remains the same tip that you have used and trusted over the years.

www.starlab.click/**tipone**

4

TubeOne® Tubes

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

www.starlab.click/**tubeone**

DISPOSABLE GLOVES

Your Personal Protection 136
Guidelines and Standards 137
StarGuard® Nitrile gloves 138–140
StarGuard® Latex gloves 141
StarGuard® Specifications 142
StarGuard*select* 143
Glove Box Dispenser 143
Microflex® Gloves 144–147

Your Personal Protection

STARLAB is committed to providing the best hand protection available. Regardless of the application and user preferences, our four StarGuard® disposable gloves offer daily protection in the laboratory without sacrificing comfort.
Choose the StarGuard® glove best suited to your daily demands:

COMFORT – for enhanced nitrile comfort and dexterity

PROTECT – for nitrile strength and durability

SENSITIVE – comfortable nitrile protection that is clinically proven to reduce the potential of contact dermatitis

TOUCH – if you prefer the secure grip and tactile sensitivity of latex

Providing certified protection

Our range of StarGuard® gloves are in compliance with the highest EN safety standards. For the newest EN ISO 374-1, all gloves are classified as Type B and therefore belong to a high protection class against chemicals and micro-organisms. Two of our gloves have an **Acceptable Quality Level (AQL) of 0.65**.
All gloves have been tested against a variety of chemicals to EN16523-1:2015 standards *(see Chemical Breakthrough Times available separately)*. For EN ISO 374-5, they also fulfill the ISO 16604:2004 which states the protection against bacteria, fungi and virus.

CE 0321
EU Regulation 2016/425

EN420

EN ISO 374-5
VIRUS

EN ISO 374-1/Type B
XXX

Manufactured to the highest standards

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

ALL StarGuard® gloves are in compliance with:

- EU Regulation 2016/425, PPE Category III.
- European Medical Device Directive 93/42/EEC, Class I Medical Device
- EN 420:2003 General requirements for protective gloves
- EN ISO 374-1:2016 Protection against chemicals and micro-organisms
- EN 374-2:2014 Protection against penetration by micro-organisms
- EN 16523-1:2015 Permeation by liquid chemicals under conditions of continuous contact
- EN 374-4:2013 Determination of resistance to degradation
- EN ISO 374-5:2016 Requirements for micro-organisms risks
- ISO 16604:2004 Protection against penetration by blood-borne pathogens
- EN 455 Parts 1, 2 & 3 Medical gloves for single use
- ISO 11193-1 Single-use medical gloves
- ISO 21171 / ASTM D6124 Determination of removable surface powder

www.starlab.click/**protection**

Guidelines and standards

Personal Protective Equipment

In Europe, Personal Protective Equipment (PPE) is either a device, clothing, glove or appliance, worn or held by a person at work, which is designed to protect that person against one or more health and/or safety hazards.
There are three categories of PPE:

- Category I (Simple Design) – for use against minimal or minor risks
- Category II (Intermediate Design) – for use against intermediate or reversible risks
- Category III (Complex Design) – for use against mortal or irreversible risks

PPE meeting the basic requirements of the EU Regulation 2016/425 is considered safe to be sold in Europe, and can be recognised as such by the CE Mark and other relevant information. The type of markings, pictograms and information provided with a particular PPE will vary depending on what the PPE is designed for. Where disposable gloves are concerned, the following is generally used (see table below):

Who's certifying your gloves for PPE Compliance? Where is the Notified Body's ID Number on the box for the gloves you're wearing?

Without a number under the CE mark to identify the Third Party Registrar, the glove manufacturer is self-declaring the glove's EN credentials.

PROTECTIVE GLOVES AGAINST DANGEROUS CHEMICALS AND MICRO-ORGANISMS

European Standard	Pictogram	Performance Ranking	Description
EN 374-1:2016 Terminology and performance requirements for chemical risks	EN ISO 374-1:2016/Type A XXXXXX	**Type A** Minimum breakthrough time for at least 6 reference chemicals >30 min.	List of 18 test (or "reference") chemicals which are used for glove classification **Code letter / Chemical / CAS number / Class** A / Methanol / 67-56-1 / Primary alcohol B / Acetone / 67-64-1 / Ketone C / Acetonitrile / 75-05-8 / Nitrile compound D / Dichloromethane / 75-09-2 / Chlorinated paraffin E / Carbon disulphide / 75-15-0 / Organic compound containing sulphur F / Toluene / 108-88-3 / Aromatic hydrocarbon G / Diethylamine / 109-89-7 / Amine H / Tetrahydrofuran / 109-99-9 / Heterocyclic and ether compound I / Ethyl acetate / 141-78-6 / Ester J / n-heptane / 142-82-5 / Saturated hydrocarbon K / 40 % Sodium hydroxide / 1310-73-2 / Inorganic base L / 96 % Sulphuric acid / 7664-93-9 / Inorganic mineral acid M / 65 % nitric acid / 7697-37-2 / Inorganic mineral acid N / 99 % acetic acid / 64-19-7 / Organic acid O / 25 % ammonium hydroxide / 1336-21-6 / Organic base P / 30 % hydrogen peroxide / 7722-84-1 / Peroxide S or Q / 40 % hydrofluoric acid / 7664-39-3 / Inorganic mineral acid T or R / 37 % formaldehyde / 50-00-0 / Aldehyde The "reference chemicals" shall be identified by their code letter under the flask pictogram.
	EN ISO 374-1:2016/Type B XXX	**Type B** Minimum breakthrough time for at least 3 reference chemicals >30 min.	
	EN ISO 374-1:2016/Type C X	**Type C** Minimum breakthrough time for one reference chemical >10 min.	
EN 374-2:2014 Determination of resistance to penetration	no official pictogram	Level 1: AQL of 4.0 Level 2: AQL of 1.5 Level 3: AQL of 0.65	Tested for protection against liquid penetration and micro-organisms. Freedom from holes tested by air or water leak test for Acceptable Quality Level (AQL). PPE Gloves must be at least Level 2.
EN 16523-1:2015 Permeation by liquid chemicals under conditions of continuous contact	no official pictogram	Level 1: >10 min Level 2: >30 min Level 3: >60 min Level 4: >120 min Level 5: >240 min Level 6: >480 min	Performance Levels which describes the resistance to permeation by chemicals. Chemical Breakthrough is the time from the start of the test to the time the chemical is detected moving through the material at a defined rate of 1µg per cm^2 per minute. Three measurements are taken and the minimum breakthrough time is stated.
EN 374-4:2013 Determination of resistance to degradation by chemicals	no official pictogram	no performance requirements	Degradation is the change of puncture resistance after chemical contact with the claimed "reference chemicals" noted below the pictogram of EN ISO 374-1.
EN 374-5:2016 Terminology and performance requirements for micro-organisms risks	EN ISO 374-5:2016	Minimum AQL of 1.5	Protection against bacteria and fungi.
	EN ISO 374-5:2016 VIRUS	< 1 PFU* within Assay titer *Plaque-Forming Unit	ISO 16604:2004 (part B) Clothing for protection against contact with blood and body fluids - Determination of resistance of protective clothing materials to penetration by blood-borne pathogens - Test method using Phi-X 174 bacteriophage.

StarGuard® Comfort

UNITED STATES CERTIFIED ERGONOMICS

CE 0321 EU Regulation 2016/425

EN ISO 374-1/Type B KPR

EN420

EN ISO 374-5:2016 VIRUS

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
- Comfort and chemical protections needs to combinate
- Testing or handling food stuffs

Combating hand fatigue

Hand fatigue not only severely impacts the work you do today, it can also have long-term ramifications. StarGuard® Comfort is recognised as an **Ergonomic Certified** glove that provides measurable ergonomic benefits to the user by improving comfort and fit, and minimising the risk factors that may contribute to ergonomic injuries.[2)]

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
StarGuard® Comfort, Nitrile Gloves, XS	10 × 250	SG-C-XS
StarGuard® Comfort, Nitrile Gloves, S	10 × 250	SG-C-S
StarGuard® Comfort, Nitrile Gloves, M	10 × 250	SG-C-M
StarGuard® Comfort, Nitrile Gloves, L	10 × 250	SG-C-L
StarGuard® Comfort, Nitrile Gloves, XL[1)]	10 × 230	SG-C-XL

[1)] 230 gloves per box XL, [2)] www.us-ergo.com

Enhanced comfort by improved fit

An extremely soft and strong glove that provides improved tactile sensitivity to help reduce the risk of hand fatigue.

- Certified to minimise the risk of ergonomic hand injuries
- A thinner-feel nitrile glove, ideal for work that requires great dexterity
- Larger pack size helps the environment by reducing packing materials and transportation

PPE Cat. III Complex Design
Light Blue Nitrile Glove. Textured Fingers
Length: 245 mm. 250 Gloves per Box[1)]

Improved fit and longer length

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

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

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

www.starlab.click/**sg-comfort**

StarGuard® Protect

CE 0321 EU Regulation 2016/425 | EN ISO 374-1/Type B JKPR | EN420 | EN ISO 374-5:2016 VIRUS | AQL 0.65

Strength and durability for reliable protection

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

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

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

Recommended for use when:

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

Everyday protection from hazards

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

Outstanding chemical breakthrough times

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

For everyday, reliable protection

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

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
StarGuard® Protect, Nitrile Gloves, XS	10 × 100	SG-P-XS
StarGuard® Protect, Nitrile Gloves, S	10 × 100	SG-P-S
StarGuard® Protect, Nitrile Gloves, M	10 × 100	SG-P-M
StarGuard® Protect, Nitrile Gloves, L	10 × 100	SG-P-L
StarGuard® Protect, Nitrile Gloves, XL	10 × 100	SG-P-XL

www.starlab.click/**sg-protect**

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

Strength and durability
hand protection you can rely on everyday

StarGuard® Sensitive

CE 0321 EU Regulation 2016/425

EN ISO 374-1/Type B KPR

EN420

EN ISO 374-5:2016 VIRUS

AQL 1.5

Accelerator-free hand protection for sensitive skin

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

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

PPE Cat. III Complex Design
Blue Nitrile Glove. Textured Fingers
Length: 250 mm. 200 Gloves per Box

Recommended for use when:

- Concerns with glove contaminants interfering with experiments or sensitive products must be eliminated
- Working in wet conditions
- The everyday use of small instruments demands a dexterous, lightweight glove
- Users have concerns regarding hand health
- Testing or handling food stuffs

Low Dermatitis Potential glove

StarGuard® Sensitive gloves have been clinically shown to **reduce the incidence of the redness and itching associated with contact dermatitis.**

They carry the US Food & Drug Administration (FDA) authorised claim for 'Low Dermatitis Potential'. StarGuard® Sensitive are extremely strong and comfortable, and an excellent choice for everyday use. You don't have to be susceptible to allergies to appreciate the quality and comfort of these gloves!

Excellent grip in wet conditions

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

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
StarGuard® Sensitive, Nitrile Gloves, XS	10 × 200	SG-N-XS
StarGuard® Sensitive, Nitrile Gloves, S	10 × 200	SG-N-S
StarGuard® Sensitive, Nitrile Gloves, M	10 × 200	SG-N-M
StarGuard® Sensitive, Nitrile Gloves, L	10 × 200	SG-N-L
StarGuard® Sensitive, Nitrile Gloves, XL	10 × 200	SG-N-XL

www.starlab.click/**sg-sensitive**

Comfortable
A lightweight glove that also provides exceptional strength

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

StarGuard® Touch

Secure grip and tactile sensitivity

StarGuard® Touch is a comfortable, fully-textured latex glove that provides a secure, consistent grip and excellent tactile sensitivity.

- Excellent grip in both wet and dry conditions
- Great elasticity for comfort during long periods of wear
- Ideal for work that requires great dexterity

CE 0321 EU Regulation 2016/425 | EN ISO 374-1/Type B KMP | EN420 | EN ISO 374-5:2016 VIRUS | AQL 1.5

PPE Cat. III Complex Design
Natural Latex Glove. Fully Textured
Length: 245 mm. 100 Gloves per Box*

Recommended for use when:

- Durable comfort is required for lasting wear
- Working with blood-borne pathogens
- Secure and consistent grip is necessary for handling small instruments
- Tactile sensitivity is a must for working with a range of different instruments

Latex gloves provide the best elasticity in a disposable glove, as well as excellent barrier protection against blood-borne pathogens and other biohazards, water miscible substances, weak acids, and alkalis (pH 4 – 10).

Secure, latex grip

Latex gloves are ideal for work with small instruments. StarGuard® Touch are fully textured for a secure, consistent grip with the tactile sensitivity of latex.

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
StarGuard® Touch, Latex Gloves, XS	10 × 100	SG-T-XS
StarGuard® Touch, Latex Gloves, S	10 × 100	SG-T-S
StarGuard® Touch, Latex Gloves, M	10 × 100	SG-T-M
StarGuard® Touch, Latex Gloves, L	10 × 100	SG-T-L
StarGuard® Touch, Latex Gloves, XL[1)]	10 × 90	SG-T-XL
[1)] 90 gloves per box XL		

www.starlab.click/**sg-touch**

Natural rubber
for tactile sensitivity

Fully textured
for a secure grip

StarGuard® Glove Specifications

	StarGuard® **COMFORT**	StarGuard® **PROTECT**	StarGuard® **SENSITIVE**	StarGuard® **TOUCH**
Gloves per Case	10 x 250 (XL 230)	10 x 100	10 x 200	10 x 100 (XL 90)
Glove Type	Nitrile	Nitrile	Nitrile	Latex
Type	Powder-Free, Ambidextrous, Single Use, Non-Sterile			
Colour	Light-Blue	Violet-Blue	Blue	Natural
Cuff	Beaded	Beaded	Beaded	Beaded
Texture	Fingers	Fingers	Fingers	Fully
Weight (g)	3.5	5.2	4.2	6
Length (mm)	245	250	240	245
Cuff Thickness (mm)	0.06	0.09	0.06	0.10
Palm Thickness (mm)	0.07	0.11	0.07	0.13
Finger Thickness (mm)	0.11	0.18	0.10	0.16
Minimum Elongation before Aging (%)	500	500	500	650
Elongation after Aging (%)	400	400	400	600
Tensile Strength before Aging (MPa)	33	30	29	22
Tensile Strength after Aging (MPa)	31	29	14	20
Force at Break before Aging (N)	7	10	7	9
Force at Break after Aging (N)	7	11	7	6
Shelf Life (years)	3	3	3	4
AQL	0.65	0.65	1.5	1.5
PPE EU Regulation 2016/425	Personal Protective Equipment (PPE) Category III			
MDD 93/42/EEC	Medical Device Class I			
EN420	In compliance, Sizing for special purpose			
EN 374-1	Type B	Type B	Type B	Type B
EN374-2	Level 3	Level 3	Level 2	Level 2
EN16523-1	In compliance, splash protection			
EN 374-4	In compliance, determination of resistance to degradation			
EN 374-5	In compliance, requirements for micro-organism risks			
EN455	In compliance with Parts 1,2,3			
ISO 11193-1	In compliance, single-use medical examination glove			
ISO 21171	In compliance, determination of removable surface powder			
ISO 16604	In compliance, protection against penetration by blood-borne pathogens			
ASTM D6319	✓	✓	✓	not applicable
ASTM D5712	not applicable	not applicable	not applicable	✓

www.starlab.click/**starguard**

STARGUARD*select*

How to find the right protection for each application

If you are concerned which gloves are the right ones to use for your laboratory work, then we can help.

STARGUARD*select* can help you make the right decision quickly.

STARGUARD*select* will provide you with your personal protection solution in just a few clicks.
Go to www.starlabgroup.com/**starguardselect**

How it works:
A page will open with a list of chemicals that have been tested against our StarGuard® gloves. Select the chemicals which pose the most hazard to you, and click on Next.
A list of the optimal gloves for the chemicals selected will be shown. You can also request your StarGuard® sample.

Glove Box Dispenser

Free up your valuable bench space by mounting the glove dispenser to the wall. The epoxy-coated steel wire rack holds three boxes of gloves and is suitable for use with most brands and sizes of box. Supplied with fixings for wall mounting.

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
Wire Glove Dispenser	1	E3099-3100

www.starlab.click/**glove-dispenser**

Microflex® Gloves

Glove overview

STARLAB is committed to supplying the best hand protection to its customers. To provide a wider choice for our customers, we also sell a range of high quality Microflex gloves for use in the laboratory to help you select the best glove for the job in hand.

XCEED®
Ergonomic
Blue Nitrile

SUPRENO®
Blue
Nitrile

93-853
Extended
Blue Nitrile

93-243
Extra Extended
Blue Nitrile

73-847
Ergonomic
Neoprene

93-260
Chemical Resistant
Triple Layered

GLOVE	Material	Interior	Exterior	Colour	Length	Thickness (palm)	AQL	PPE Cat III	High Risk	Pack Size
XCEED®	Nitrile	Powder-free	Textured Fingers	Blue	Strandard 240 mm	0.070mm	0.65	✓	×	10 x 250[1]
SUPRENO®	Nitrile	Powder-free	Textured Fingers	Blue	Standard 245 mm	0.110mm	0.65	✓	×	10 x 100
93-853	Nitrile	Powder-free	Textured Fingers	Blue	Extended 295 mm	0.140mm	0.65	✓	×	10 x 50
93-243	Nitrile	Powder-free	Textured Palm and Fingers	Blue	Extra extended 400 mm	0.120mm	1.5	✓	×	10 x 100
73-847	Neoprene	Powder-free	Textured Fingers	Dark Green	Standard 245 mm	0.100mm	1.5	✓	×	10 x 100
93-260	Nitrile and Neoprene	Powder-free	Textured Fingers	Green outside, Blue inside	Extended 300 mm	0.198mm	0.65	✓	✓	10 x 50

Microflex gloves conform to the following standards

- PPE Category III, regulation (EU) 2016/425
- EN 420
- EN 374-1 Requirements for chemical risks
- EN 374-2 Protection against penetration by micro-organisms
- EN 16523 Protection against chemical permeation
- EN 374-4 Degradation
- EN 374-5 Requirements for micro-organisms risks
- ISO 16604 (part B) Protection against viruses
- ASTM D6978 Use with chemotherapy drugs (Supreno & Microflex 93-853)
- EN 1149 (Part 1. 2 & 3) Anti-static behavior (Microflex 93-853 & 73-847)
- EN 388 Mechanical requirements (Microflex 93-260)
- EN 421 Protective gloves against ionizing radiation and radioactive contamination (Microflex 93-260 & 73-847)
- EN 388 (93-260 only)
- European Medical Device Directive 93/42/EEC, CE Class 1
- EN 455 Parts 1, 2 & 3
- ASTM F1671 protection against penetration by blood-borne pathogens

IMPORTANT: See individual product information for full list of standards that apply to each specific glove.

Microflex® Gloves

CE 0493 EU Regulation 2016/425 | EN420 | EN ISO 374-1/Type B KPT | EN ISO 374-5.2016 VIRUS

AQL 0.65

XCEED – Comfortable ergonomic nitrile protection

A combination of exceptional comfort and strength.
Recommended for use when:

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

PPE Cat. III Complex Design
Blue Nitrile Glove. Textured Fingers
Length: 240 mm. 250 Gloves per Box[1)]

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
XCEED® Nitrile Gloves, XS	10 × 250	XC-INT-XS
XCEED® Nitrile Gloves, S	10 × 250	XC-INT-S
XCEED® Nitrile Gloves, M	10 × 250	XC-INT-M
XCEED® Nitrile Gloves, L	10 × 250	XC-INT-L
XCEED® Nitrile Gloves, XL[1)]	10 × 230	XC-INT-XL
[1)] XL 230 gloves		

www.starlab.click/**xceed**

CE 0493 EU Regulation 2016/425 | EN420 | EN ISO 374-1/Type B KPT | EN ISO 374-5.2016 VIRUS

AQL 0.65

SUPRENO – Everyday nitrile protection

Comfortable nitrile protection for everyday use.
Recommended for use when:

- Contact with chemicals is a standard activity each day - SUPRENO® provides excellent chemical splash protection
- Strength and protection are of great importance
- Working in environments that demand consistent grip and reliability

PPE Cat. III Complex Design
Blue Nitrile Glove. Textured Fingers
Length: 245 mm. 100 Gloves per Box

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
SUPRENO®, Nitrile Gloves, XS	10 × 100	SU-INT-XS
SUPRENO®, Nitrile Gloves, S	10 × 100	SU-INT-S
SUPRENO®, Nitrile Gloves, M	10 × 100	SU-INT-M
SUPRENO®, Nitrile Gloves, L	10 × 100	SU-INT-L
SUPRENO®, Nitrile Gloves, XL	10 × 100	SU-INT-XL

www.starlab.click/**supreno**

Microflex® Gloves

CE 0493 EU Regulation 2016/425 | EN420 | EN ISO 374-1/Type B KPT | EN ISO 374-5.2016 VIRUS | AQL 0.65

93-853 – Reliable hazard protection

Extended cuff provides additional protection over the wrist for hazardous environments. Advanced nitrile formulation offers up to three times the puncture resistance of latex or vinyl disposable gloves.

- Excellent chemical breakthrough resistance
- Over wrist protection against laboratory hazards; glove length 295 mm
- Very high barrier properties (AQL 0.65)
- Anti-static behavior
- Approved for use with chemotherapy drugs
- Medical examination glove

PPE Cat. III Complex Design
Blue Nitrile Glove. Textured Fingers
Length: 295 mm. 50 Gloves per Bag

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
Microflex 93-853 Nitrile Glove, Ext. Cuff, XS	10 x 50	93-853-XS
Microflex 93-853 Nitrile Glove, Ext. Cuff, S	10 x 50	93-853-S
Microflex 93-853 Nitrile Glove, Ext. Cuff, M	10 x 50	93-853-M
Microflex 93-853 Nitrile Glove, Ext. Cuff, L	10 x 50	93-853-L
Microflex 93-853 Nitrile Glove, Ext. Cuff, XL	10 x 50	93-853-XL

www.starlab.click/**93-853**

CE 0493 EU Regulation 2016/425 | EN420 | EN ISO 374-1/Type B JKT | EN ISO 374-5.2016 VIRUS | AQL 1.5

93-243 – Superior forearm protection

Soft durable nitrile material ensures extended protection up to the elbow with a comfortable feel.

- Provides extra security over the wrist and forearm
- Unique cuff design prevents roll-down
- Textured palm and fingers for a confident secure grip

PPE Cat. III Complex Design
Blue Nitrile Glove. Textured Fingers
Length: 400 mm. 100 Gloves per Bag

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
Microflex 93-243, Extra Long, XS	10 × 100	93-243-XS
Microflex 93-243, Extra Long, S	10 × 100	93-243-S
Microflex 93-243, Extra Long, M	10 × 100	93-243-M
Microflex 93-243, Extra Long, L	10 × 100	93-243-L
Microflex 93-243, Extra Long, XL	10 × 100	93-243-XL
Microflex 93-243, Extra Long, XXL	10 × 100	93-243-XXL

www.starlab.click/**93-243**

400 mm glove length for superior forearm protection

73-847 – Ergonomically certified

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

- Ergonomically certified for excellent comfort during use
- Excellent grip in both wet or dry conditions
- Textured fingers
- Anti-static behavior

UNITED STATES CERTIFIED ERGONOMICS

CE 0321 EU Regulation 2016/425

EN420

EN ISO 374-1/Type B KPT

EN ISO 374-5:2016 VIRUS

AQL 1.5

EN 421:2010

PPE Cat. III Complex Design
Green Neoprene Glove. Textured Fingers
Length: 245 mm. 100 Gloves per Box

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
Microflex 73-847, Neoprene Glove, Ergonomic, XS	10 × 100	73-847-XS
Microflex 73-847, Neoprene Glove, Ergonomic, S	10 × 100	73-847-S
Microflex 73-847, Neoprene Glove, Ergonomic, M	10 × 100	73-847-M
Microflex 73-847, Neoprene Glove, Ergonomic, L	10 × 100	73-847-L
Microflex 73-847, Neoprene Glove, Ergonomic, XL	10 × 100	73-847-XL

www.starlab.click/**73-847**

93-260 – Chemical protection and comfort

Innovative three layered glove design comprising nitrile and neoprene that provides superior protection against harsh chemicals, whilst still providing comfort and dexterity for the user.

- Ergonomic design for excellent comfort during use
- Lower acceptable pinhole rate (0.65 AQL) for reliable protection against hazardous substances
- Longer length for even greater protection
- Type A classification

CE 0321 EU Regulation 2016/425

EN420

EN ISO 374-1:2016/Type A JKLOPST

EN ISO 374-5:2016 VIRUS

EN 388:2016 2000

AQL 0.65

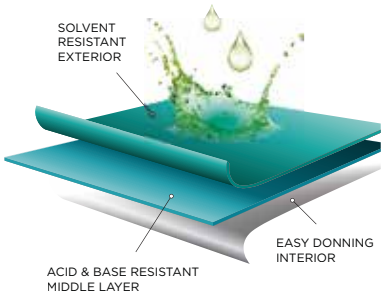
EN 421:2010

PPE Cat. III Complex Design
Green Nitrile/Neoprene Glove. Textured Fingers
Length: 300 mm. 50 Gloves per Box

ORDER INFORMATION		
Description	**Pack Size**	**Cat. No.**
Microflex 93-260 Nitrile/Neoprene Glove, Chemical Resistant, XS	10 × 50	93-260-XS
Microflex 93-260 Nitrile/Neoprene Glove, Chemical Resistant, S	10 × 50	93-260-S
Microflex 93-260, Nitrile/Neoprene Glove, Chemical Resistant, M	10 × 50	93-260-M
Microflex 93-260 Nitrile/Neoprene Glove, Chemical Resistant, L	10 × 50	93-260-L
Microflex 93-260 Nitrile/Neoprene Glove, Chemical Resistant, XL	10 × 50	93-260-XL
Microflex 93-260 Nitrile/Neoprene Glove, Chemical Resistant, XXL	10 × 50	93-260-XXL

www.starlab.click/**93-260**

Innovative three layer design



Alphabetical Index

A
Accredited calibration laboratory ... 46–47
AirClean® PCR Cabinets ... 132–133
Alphabetical Index ... 148
Aluminium Freezer Racking ... 114
Aspiration Pipettes ... 43
Aspirator ... 118–119

B
Benchtop Coolers ... 111
Block Dry Baths ... 128–129
BMP™ 21-LAB Label Printer ... 80
Boxes and Racks ... 100–110

C
Calibration Pipettes ... 46–47
Cardboard Storage Boxes ... 102
Centrifuge Tubes 15 ml & 50 ml ... 59, 91
Centrifuge
- Mini ... 130
- Plate ... 131

Centrifuge Tubes ... 59, 91
Centrifuge Tube Storage ... 100–102, 104–108
Cell Culture Consumables ... 83–98
Chiller Racks ... 110
Coolers ... 111
Cryogenic Storage Boxes ... 102–103
Cryogenic Vials ... 58
Culture Tubes ... 59
CytoOne®
- Bottle Top Filtration Units ... 94–95, 97, 119
- Centrifuge Tube Filtration System ... 96–97
- Centrifuge Tubes 15 ml & 50 ml ... 91
- Cell Scrapers ... 90
- Cell Strainers ... 92
- Dishes ... 85
- Flasks with Two-Position Plug Seal Caps ... 88
- Flasks with Vented Filter Caps ... 89
- Media Bottles (Sterile) ... 98
- Multiwell Plates ... 86–87
- Syringe Filters ... 93

D
DAkkS ... 47
Deepwell Plates PlateOne® ... 71
Dispenser Tips ... 24
Disposable Gloves ... 135–147
Dry Bath Incubator ... 128–129

E
ErgoOne® E Electronic Pipettes ... 38–39
ErgoOne® FAST Pipette Controller ... 40–41
ErgoOne® Multi-Channel Pipettes ... 37
ErgoOne® Pipettes: Overview ... 34–35
ErgoOne® Pipette Stands ... 42
ErgoOne® Single-Channel Pipettes ... 36

F
Filter Tips (Specialty Tips) ... 19–21, 23
Filter Tips, TipOne® ... 10, 14–17
Filtration
- Bottle Top Filtration Units ... 94–95
- Cell Strainers ... 92
- Centrifuge Tube Filtration System ... 96–97
- Filtration Funnels ... 75
- Syringe Filters ... 93

Freezer Racking ... 112–114

G
Gel-Xtraction Tool ... 22
Gel-Loading Tips ... 23
Get Green with STARLAB ... 2-3
Gloves
- Guidelines and standards ... 137
- StarGuard® Comfort ... 138
- StarGuard® SENSITIVE ... 140
- StarGuard® Protect ... 139
- StarGuard® TOUCH ... 141
- StarGuard® Glove Specifications ... 142
- STARGUARDselect ... 143
- Your Personal Protection ... 136

Glove Box Dispenser ... 143
Glove Microflex ... 144–147
- Supreno ... 145
- XCEED ... 145
- 93-853 ... 146
- 93-243 ... 146
- 73-847 ... 147
- 93-260 ... 147

H
Heat Sealing Films ... 73
High Impact Screw Cap Microtubes ... 57

I
ID Tape ... 79–82
Instruments ... 115–133
Ice Bath / Floating Rack ... 110
Index by Catalogue Number ... 149–151
Individually Wrapped tips ... 19
ISO-Rack (Mixer HC) ... 117

L
Label Cartridges for BMP™21 Printer Series ... 81
Label Cartridges for LabPal™ & LabXpert™ ... 82
Labelling ... 78–82
Laboratory ID Tape ... 79
Laboratory Labels ... 78
Large Volume tips ... 20–21

M
Magnetic Stirrer ... 127
Magnetic Stirrer with Heating ... 127
Microcentrifuge ... 130–131
- Mini Fuge Plus ... 130
- Plate Centrifuge ... 131

Microplates PlateOne® ... 72
Microcentrifuge Tubes ... 50–54
Microcentrifuge Tube Accessories ... 55
Microflex® Nitrile Gloves ... 144–147
Microplate Mixer ... 121
Microtubes in Rack ... 60
Minicentrifuge ... 130
Mini Dry Bath ... 128
Mixer HC ... 116–117
Multi-Tube Racks ... 106–108

N
Non-Skirted PCR Plates ... 66–67
Notes ... 152–154

O
Orbital Shaker ... 125
Order form pipette-service ... 48

P
Parafilm® Sealing Film ... 75
PCR Discs ... 65
PCR Plate-Sealing Overview ... 70, 73–74
PCR Strips ... 62–65
PCR Tubes ... 61
Pipette Tips
- Extended Length ... 19
- Gel-Loading ... 23
- Large Volume ... 20–21
- TipOne® ... 6–18
- Wide Orifice ... 22

Pipettes
- Aspiration ... 43
- Calibration ... 46–47
- Electronic ... 38–39
- Manual ... 34–37
- Multi-Channel ... 37, 39
- Repeat Dispenser ... 44
- Serological ... 43
- Service ... 46–47
- Single-Channel ... 36, 39
- Stands ... 42

Pipette Controllers ... 40–41
Plate Centrifuge ... 131
PlateOne® Deepwell Plates ... 71
PlateOne® Microplates ... 72
Polystyrene Pipettes ... 43
Preparation Tubes ... 55
Polypropylene Storage Boxes ... 100–101, 105
PCR Sample Racks ... 108–109

R
Racks and Storage Boxes ... 99–114
Reagent Reservoirs ... 76–77
RepeatOne® Dispenser ... 44
Robotic Reservoirs ... 32
Robotic Tips
- for Beckman Coulter® ... 28–29
- for Packard® ... 30
- for Perkin Elmer® ... 32
- for Qiagen® ... 30–32
- for Tecan® ... 31
- Tip–Robot Compatibility ... 27

Rocking Shaker & 3D Rocking Shaker ... 126
Rotator Mixer RM-Multi 1 ... 120
Rotor Gene® Style
- Discs ... 65
- PCR Strips ... 65

RPT Tips, TipOne® ... 16–17

S
Screw Cap Microtubes ... 56–57
Sealing Accessories ... 73
Sealing Films & Foils ... 73–74
Self-Adhesive
- Lab Labels ... 78–79, 81–82
- Plate Seals ... 73–74

Serological Pipettes ... 43
Semi-Skirted PCR Plates ... 68
Service levels ... 46-47
Shaker ... 125–126
Single & Dual Block Dry Bath ... 129
Skirted PCR Plates ... 69
Smart Instruments ... 115–133
Stainless Steel
- Freezer Racking ... 112–114

StarChill ... 110
StarGuard® ... 136–143
StarPet Filler (Manual) ... 41
StarRacks ... 104–106, 108
StarSeals ... 73
StarStore Storage Boxes ... 100–101, 103
StarTags ... 78
Stirrers, Magnetic ... 127
StarGuard® Gloves ... 136–142
STARGUARDselect ... 143
Storage Boxes & Racks ... 105
Syringe Filters ... 93

T
Thermoblock (Mixer HC) ... 116–117
TipOne®
- The Trusted Tip ... 6–7
- A System with a System ... 8
- The Perfect Rack ... 9
- The Clever Refill ... 10
- The Unique Filter Tip Refill ... 10
- The Compact Stack Rack ... 11
- The Self-Standing Bag ... 11

TipOne® Pipette Tips ... 12–17
TipOne® Recycling ... 18
TipOne® Repeat Dispenser Tips ... 24
Tips for Beckman Coulter® ... 28–29
Tips for Packard® ... 30
Tips for Perkin Elmer® ... 32
Tips for Qiagen® ... 30–32
Tips for Tecan® ... 31
Tip–Robot Compatibility ... 27
Total Liquid Handling ... 4
Tubes
- Centrifuge ... 59, 91
- Cryogenic Storage ... 58
- Culture ... 59
- Labels ... 78
- Microcentrifuge ... 50–54
- Microtubes in Racks ... 60
- PCR ... 61
- Preperation ... 55
- Screw Cap Microtubes ... 56–57
- Storage Boxes & Racks ... 100–114

Tube Roller ... 122
Transport Cases & Coolers ... 111
TwisStar Rack ... 107

V
Vortex ... 123
Vortex IR ... 124

W
Wide Orifice Tips ... 22

Index by Catalogue Number

▶7
73-847-L....147
73-847-M....147
73-847-S....147
73-847-XL....147
73-847-XS....147

▶9
93-243-L....146
93-243-M....146
93-243-S....146
93-243-XL....146
93-243-XS....146
93-243-XXL....146
93-260-L....147
93-260-M....147
93-260-S....147
93-260-XL....147
93-260-XS....147
93-260-XXL....147
93-853-L....146
93-853-M....146
93-853-S....146
93-853-XL....146
93-853-XS....146

▶A
A1402-3700....63
A1402-3700-C....63
A1402-3800....63
A9023-1616....102
A9023-2525....102
A9023-3100....102
A9023-4949....102
A9023-8181....102
A9025-1616....102
A9025-2525....102
A9025-3100....102
A9025-4949....102
A9025-8181....102
A9027-1616....102
A9027-2525....102
A9027-3100....102
A9027-4949....102
A9027-8181....102

▶B
B1401-3300....66
B1401-4400....66
B1402-5500....61
B1402-9200....67
B1402-9300....68
B1408-3300....61
B1494-1005....67, 68
B1494-1024....71
B1494-1124....71
B1494-1224....71, 72

▶C
CC6000-1116....95, 97
CC6000-1122....95, 97
CC6027-1171....98
CC6027-1172....98
CC6027-1173....98
CC6032-1402....97
CC6032-1411....97
CC6032-7233....95
CC6032-8233....95
CC6032-9233....95
CC6034-1141....95
CC6034-1142....95
CC6034-1143....95
CC6034-1403....97
CC6034-1412....97
CC6062-1233....95
CC6062-2233....95
CC6062-3233....95
CC6064-1162....95
CC6064-1163....95
CC7600-0220....90
CC7600-0250....90
CC7600-0320....90
CC7672-3340....85
CC7672-3359....85
CC7672-3394....85
CC7672-3614....85
CC7672-4175....88
CC7672-4225....88
CC7672-4325....88
CC7672-4415....88
CC7672-4815....89
CC7672-4822....89
CC7672-4825....89
CC7672-4875....89
CC7672-7506....86
CC7672-7512....86
CC7672-7524....86
CC7672-7548....86
CC7672-7596....86
CC7682-3340....85
CC7682-3359....85
CC7682-3394....85
CC7682-3614....85
CC7682-4175....88
CC7682-4225....88
CC7682-4325....88
CC7682-4415....88
CC7682-4815....89
CC7682-4822....89
CC7682-4825....89
CC7682-4875....89
CC7682-7506....86
CC7682-7512....86
CC7682-7524....86
CC7682-7548....86
CC7682-7596....86
CC8111-0042....92
CC8111-0072....92
CC8111-0102....92

▶E
E1009-7000....20
E1009-7001....20
E1011-0921....19
E1011-1002....19
E1011-1008....19
E1011-1430....19
E1011-8000....22
E1011-8400....22
E1011-8410....22
E1011-9000....22
E1021-0618....23
E1022-0008....23
E1042-2350....69
E1042-2500....69
E1042-3000....69
E1042-3840....69
E1042-3849....69
E1042-9909....69
E1070-2607....20
E1070-2596....20
E1070-2601....20
E1076-0400....28
E1076-0410....28
E1076-0418....28
E1076-0700....29
E1076-0800....29
E1076-2400....28
E1076-2410....28
E1076-2418....28
E1076-4400....28
E1076-4410....28
E1076-4418....28
E1076-4700....29
E1076-4800....29
E1078-2400....32
E1078-5400....32
E1172-1418....32
E1173-2418....32
E1306-1010....76
E1306-1090....76
E1306-2510....76
E1306-2590....76
E1346-1010....76
E1346-2510....76
E1403-0000....66-69
E1403-0100....66
E1403-0200....66
E1403-0208....66
E1403-0209....66
E1403-1200....66
E1403-1200-C....66
E1403-1208....66
E1403-1209....66
E1403-2200....67
E1403-3200....67
E1403-4200....67
E1403-5200....69
E1403-5200-BC....69
E1403-5208....69
E1403-5209....69
E1403-6200....68
E1403-6209....68
E1403-7700....68
E1403-7709....68
E1403-8200....68
E1403-8209....68
E1405-0301....57
E1405-0302....57
E1405-0304....57
E1405-0306....57
E1405-0600....51
E1405-0610....51
E1405-2120....56
E1405-2127....56
E1405-2130....56
E1405-2140....56
E1405-2141....57
E1405-2142....57
E1405-2143....57
E1405-2600....52
E1405-5100....51
E1405-9000....55
E1415-0100....91
E1415-0200....59
E1415-0301....57
E1415-0302....57
E1415-0304....57
E1415-0306....57
E1415-0311....57
E1415-0312....57
E1415-0314....57
E1415-0316....57
E1415-0700....91
E1415-0800....59
E1415-1500....51
E1415-1510....51
E1415-2210....56
E1415-2220....56
E1415-2227....56
E1415-2230....56
E1415-2231....57
E1415-2232....57
E1415-2233....57
E1415-2237....56
E1415-2240....56
E1415-2241....57
E1415-2242....57
E1415-2243....57
E1415-2600....52
E1415-2850....53
E1420-0301....57
E1420-0302....57
E1420-0304....57
E1420-0306....57
E1420-0311....57
E1420-0312....57
E1420-0314....57
E1420-0316....57
E1420-2000....51
E1420-2010....51
E1420-2320....56
E1420-2330....56
E1420-2331....57
E1420-2332....57
E1420-2333....57
E1420-2337....56
E1420-2340....56
E1420-2341....57
E1420-2342....57
E1420-2343....57
E1420-2347....56
E1420-2641....57
E1420-2850....53
E1420-5100....51
E1420-5108....51
E1450-0100....91
E1450-0200....59
E1450-0400....91
E1450-0500....59
E1450-0700....91
E1450-0800....59
E1450-1100....55
E1450-1101....55
E1450-1102....55
E1450-1104....55
E1450-1106....55
E1450-1108....55
E1480-0100....56
E1480-0101....56
E1480-0102....56
E1480-0103....56
E1480-0104....56
E1480-0105....56
E1480-0106....56
E1480-0107....56
E1480-0108....56
E1480-0109....56
E1480-0199....56
E1480-0200....56
E1480-0201....56
E1480-0202....56
E1480-0203....56
E1480-0204....56
E1480-0205....56
E1480-0206....56
E1480-0207....56
E1480-0208....56
E1480-0209....56
E1480-0299....56
E1480-0300....56
E1480-0301....56
E1480-0302....56
E1480-0303....56
E1480-0304....56
E1480-0305....56
E1480-0306....56
E1480-0309....56
E1480-0399....56
E1494-6001....58
E1494-6002....58
E1494-6003....58
E1494-6004....58
E1494-6005....58
E1494-6006....58
E1494-6007....58
E1494-6009....58
E1494-6099....58
E1494-6104....58
E1494-6108....58
E1702-8400....60
E1702-8410....60
E1703-9400....60
E1703-9410....60
E1710-0000....60
E1720-8000....60
E1730-9000....60
E1750-0400....60
E1750-0410....60
E1760-8400....60
E1760-8410....60
E1770-9400....60
E1770-9410....60
E2005-5000....58
E2100-5000....105
E2100-5002....105
E2100-5004....105
E2100-5006....105
E2100-5008....105
E2300-5005....100
E2301-5309....103
E2305-6009....101
E2310-0505....76
E2310-0510....76
E2310-1000....77
E2310-1010....77
E2310-1025....77
E2310-1100....77
E2313-1009....108
E2340-3099....106
E2340-4000....106
E2340-4041....106
E2340-4042....106
E2340-4043....106
E2340-4044....106
E2340-4046....106
E2344-1099....107
E2344-2099....109
E2345-1000....107
E2345-1041....107
E2345-1042....107
E2345-1043....107
E2345-1044....107
E2345-1046....107
E2345-1099....107
E2346-1000....107
E2346-1041....107
E2346-1042....107
E2346-1043....107
E2346-1044....107
E2346-1046....107
E2346-1099....107
E2347-1001....107
E2347-1002....107
E2347-1003....107
E2347-1004....107
E2347-1005....107
E2347-1099....107
E2349-5009....100
E2350-4001....58
E2350-4004....58
E2350-4005....58
E2350-5009....101
E2364-1010....106
E2364-1041....106
E2364-1042....106
E2364-1043....106
E2364-1044....106
E2364-1046....106
E2364-6048....106
E2380-5000....105
E2380-5041....105
E2380-5042....105
E2380-5043....105
E2380-5044....105
E2380-5046....105
E2380-5048....105
E2380-6000....108
E2380-6001....108
E2380-6002....108
E2380-6003....108
E2380-6004....108
E2380-6006....108
E2381-5001....103
E2381-5002....103
E2381-5003....103
E2381-5004....103
E2381-5006....103
E2381-5099....103
E2382-5001....103
E2382-5002....103
E2382-5003....103
E2382-5004....103
E2382-5006....103
E2382-5099....103
E2382-6001....103
E2382-6002....103
E2382-6003....103
E2382-6004....103
E2382-6006....103
E2382-6099....103
E2383-5001....103
E2383-5002....103
E2383-5003....103
E2383-5004....103
E2383-5006....103
E2383-5099....103
E2390-5000....105
E2396-0010....106
E2396-0018....106
E2396-0041....106
E2396-0042....106
E2396-0043....106
E2396-0044....106
E2396-0046....106
E2396-0599....109
E2396-1515....104
E2396-1550....104
E2396-1641....109
E2396-1642....109
E2396-1643....109
E2396-1644....109
E2396-1646....109
E2396-1651....109
E2396-1652....109
E2396-1653....109
E2396-1654....109
E2396-1656....109
E2396-2004....110
E2396-2006....110
E2396-3008....110
E2396-5240....108
E2396-5634....110
E2396-5636....110
E2396-5654....110
E2396-5656....110
E2396-9649....109
E2396-9659....109
E2396-9669....109
E2396-9691....109
E2396-9692....109
E2396-9693....109
E2396-9694....109
E2396-9696....109
E2396-9701....108
E2396-9702....108
E2396-9703....108
E2396-9705....108
E2396-9706....108
E2396-9711....104
E2396-9712....104
E2396-9713....104
E2396-9715....104
E2396-9716....104
E2396-9721....104
E2396-9722....104
E2396-9723....104
E2396-9725....104
E2396-9726....104
E2450-5000....101
E2450-5001....101
E2450-5002....101
E2450-5004....101
E2450-5006....101
E2796-0100....74
E2796-0714....73
E2796-0794....73
E2796-1100....74
E2796-2850....74
E2796-3005....73
E2796-3015....73
E2796-3020....73
E2796-3060....73
E2796-3070....73
E2796-3090....73
E2796-9792....73
E2796-9793....73
E2796-9795....73
E2896-1801....71
E2999-2496....32
E2999-8412....32
E3090-6212....58

Index by Catalogue Number

E3090-6222 58
E3090-6242 58
E3090-6321 58
E3099-0000 42
E3099-0001 42
E3099-0002 42
E3099-3100 143
E3110-6112 58
E3110-6121 58
E3110-6122 58
E3110-6131 58
E3110-6132 58
E3110-6141 58
E3110-6142 58
E3840-3000 19
E4111-5222 75
E4111-5226 75
E4111-5452 75
E4111-5454 75
E4111-6222 75
E4111-6226 75
E4111-6452 75
E4111-6454 75
E4266-0040 41
E4780-1221 93
E4780-1223 93
E4780-1226 93
E4780-1451 93
E4780-1453 93
E4780-1456 93
E4860-0001 43
E4860-0002 43
E4860-0005 43
E4860-0010 43
E4860-0025 43
E4860-0050 43
E4860-1100 43
E4861-0002 43
E4861-0005 43
E4861-0010 43
E4866-2000 41
E9025-1550 104
E9025-1650 104
E9025-2515 104
E9025-3615 104
E9026-0000 79
E9026-2005 79
E9055-1270 79
E9055-1271 79
E9055-1272 79
E9055-1273 79
E9055-1274 79
E9055-1275 79
E9055-1276 79
E9055-1278 79
E9055-1279 79
E9055-1910 79
E9055-1911 79
E9055-1912 79
E9055-1913 79
E9055-1914 79
E9055-1915 79
E9055-1916 79
E9055-1918 79
E9055-1919 79
E9055-2500 79
E9055-2501 79
E9055-2502 79
E9055-2503 79
E9055-2504 79
E9055-2505 79
E9055-2506 79
E9055-2508 79
E9055-2509 79
E9127-1270 79
E9127-1271 79
E9127-1272 79
E9127-1273 79
E9127-1274 79
E9127-1275 79
E9127-1276 79
E9127-1278 79
E9127-1279 79
E9127-1910 79
E9127-1911 79
E9127-1912 79
E9127-1913 79
E9127-1914 79
E9127-1915 79
E9127-1916 79
E9127-1918 79
E9127-1919 79
E9127-2500 79
E9127-2501 79
E9127-2502 79
E9127-2503 79
E9127-2504 79
E9127-2505 79
E9127-2506 79
E9127-2508 79
E9127-2509 79
E9127-2940 73
E9185-0001 78
E9185-0002 78
E9185-0003 78
E9185-0004 78
E9185-0006 78
E9185-0009 78
E9185-2240 78
E9186-9987 78
E9187-1009 78
E9187-2016 78
E9188-1009 78
E9188-8699 78
E9189-3009 ..... 58, 78
E9199-0000 78

▶G

G9001-0010 39
G9001-0020 39
G9001-0200 39
G9001-1000 39
G9001-5000 39
G9008-0010 39
G9008-0020 39
G9008-0100 39
G9008-0300 39
G9012-0010 39
G9012-0020 39
G9012-0100 39
G9012-0300 39
G9999-1000 39
G9999-1001 ..... 39, 42
G9999-1002 ..... 39, 42
G9999-1003 ..... 39, 42
G9999-1004 ..... 39, 42
G9999-1005 39
G9999-1006 39
G9999-1007 39
G9999-1008 39

▶I

I1009-5000 20
I1010-3000 23
I1010-3600 23
I1010-3610 23
I1010-3800 23
I1011-0016 19
I1011-0020 19
I1011-0070 19
I1011-0830 19
I1011-0920 19
I1011-2011 19
I1011-2600 23
I1011-3010 19
I1011-4600 23
I1011-5830 19
I1011-8000 22
I1012-2600 23
I1012-3600 23
I1012-3610 23
I1012-4600 23
I1022-0000 23
I1022-0600 23
I1022-0610 23
I1022-0810 23
I1022-2600 23
I1022-4600 23
I1026-7810 19
I1050-0000 21
I1050-0700 21
I1050-0710 21
I1050-0718 21
I1050-0728 21
I1052-0000 21
I1052-0001 21
I1052-0010 21
I1053-0000 20
I1053-0700 20
I1053-0710 20
I1053-0728 20
I1054-0000 21
I1054-0001 21
I1054-0011 21
I1054-0028 21
I1400-0800 62
I1400-0800-C 62
I1400-0808 62
I1400-0810 62
I1400-0818 62
I1400-0900 62
I1400-1008 55
I1400-1200 62
I1400-1200-C 62
I1400-1208 62
I1400-1290 62
I1400-1300 62
I1402-0400 65
I1402-0500 65
I1402-0600 65
I1402-1200 62
I1402-1200-C 62
I1402-1208 62
I1402-2700 63
I1402-2800 63
I1402-2900 63
I1402-2908 63
I1402-3500 62
I1402-3500-C 62
I1402-3508 62
I1402-3509 62
I1402-3600 62
I1402-3609 62
I1402-3700 64
I1402-3708 64
I1402-3800 64
I1402-4300 61
I1402-4308 61
I1402-4700 62
I1402-5700 62
I1402-6700 62
I1402-8100 61
I1402-8108 61
I1402-8200 61
I1402-9700 68
I1402-9700-C 68
I1402-9708 68
I1402-9709 68
I1402-9800 68
I1402-9800-BC 68
I1402-9809 68
I1402-9909 68
I1404-1000 54
I1405-0510 54
I1405-1500 52
I1405-1501 52
I1405-1502 52
I1405-1503 52
I1405-1504 52
I1405-1505 52
I1405-1506 52
I1405-1507 52
I1405-1508 52
I1405-4390 55
I1405-8100 61
I1405-8108 61
I1405-8200 61
I1409-2700 63
I1409-3700 64
I1409-3800 64
I1409-4700 62
I1409-5700 62
I1412-7400 60
I1412-7410 60
I1414-5500 54
I1415-1000 53
I1415-1001 53
I1415-1002 53
I1415-1003 53
I1415-1004 53
I1415-1005 53
I1415-1006 53
I1415-1007 53
I1415-1008 53
I1415-1508 55
I1415-2500 53
I1415-2501 53
I1415-2502 53
I1415-2503 53
I1415-2504 53
I1415-2505 53
I1415-2506 53
I1415-2508 53
I1415-5100 51
I1415-5390 55
I1415-5510 54
I1420-2600 52
I1420-2700 53
I1420-2701 53
I1420-2702 53
I1420-2703 53
I1420-2704 53
I1420-2705 53
I1420-2706 53
I1420-2707 53
I1420-2799 53
I1485-0810 59
I1485-2810 59
I1494-1400 60
I1494-1410 60
I2310-5800 101
I2310-5841 101
I2310-5842 101
I2310-5843 101
I2310-5844 101
I2310-5846 101
I2310-5848 101
I2312-2720 111
I2312-2721 111
I2324-5000 110
I2344-1000 107
I2344-1040 107
I2350-5800 101
I2350-5841 101
I2350-5842 101
I2350-5843 101
I2350-5844 101
I2350-5846 101
I2350-5848 101
I2381-2305 102
I2381-5040 100
I2381-5041 100
I2381-5042 100
I2381-5043 100
I2381-5044 100
I2381-5046 100
I2381-5048 100
I2381-5049 100
I2396-5048 106
I2510-5005 102
I2602-1000 112
I2602-1100 112
I2602-1200 112
I2602-3300 112
I2602-3400 112
I2602-3500 112
I2602-4300 112
I2602-4400 112
I2602-4500 112
I2602-6000 112
I2602-7000 112
I2602-8000 112
I2602-9000 112
I2603-0110 114
I2603-0112 114
I2603-0114 114
I2603-0116 114
I2603-0118 114
I2603-0120 114
I2603-0122 114
I2603-0124 114
I2603-0130 114
I2610-0800 113
I2610-1200 113
I2610-1500 113
I2610-1800 113
I2610-1900 113
I2610-2000 113
I2610-2100 113
I2610-2200 113
I2610-2300 113
I2615-1000 113
I2615-2600 113
I2615-3600 113
I2632-3300 112
I2632-3400 112
I2632-4400 112
I2650-2600 113
I2650-3600 113
I2652-0957 114
I2652-1157 114
I2662-0957 114
I2662-1157 114
I2928-7355 73
I3080-1038 75
I3080-1075 75
I3080-5075 75
I6308-1515 111
I6342-4270 111
I6348-1515 111
I9023-1615 102
I9023-1650 102

▶N

N0072-4619 82
N0074-4619 82
N0081-4889 82
N0082-4993 82
N0082-4996 82
N0082-4999 82
N0086-4619 82
N0097-4889 82
N0108-4619 82
N0117-4999 82
N0118-4999 82
N0119-4619 82
N2000-0100 22
N2400-0001 124
N2400-1001 124
N2400-1002 124
N2400-1003 124
N2400-1004 124
N2400-1005 124
N2400-1006 124
N2400-1008 124
N2400-2010 127
N2400-3010 127
N2400-3011 127
N2400-4001 129
N2400-4002 129
N2400-4020 128
N2400-4021 128
N2400-4022 128
N2400-4023 128
N2400-4024 128
N2400-4025 128
N2400-4026 128
N2400-4100 129
N2400-4101 129
N2400-4102 129
N2400-4103 129
N2400-4104 129
N2400-4105 129
N2400-4106 129
N2400-4107 129
N2400-4108 129
N2400-5000 120
N2400-5103 120
N2400-5104 120
N2400-6010 123
N2400-6011 123
N2400-6012 ..... 121, 123
N2400-6013 ..... 121, 123
N2400-6014 123
N2400-6015 123
N2400-7010 122
N2400-8010 126
N2400-8011 ..... 125, 126
N2400-8020 126
N2400-8021 ..... 125, 126
N2400-8030 125
N2400-8040 121
N2400-8041 121
N2400-8042 121
N2400-8043 121
N2400-9000 119
N2400-9001 119
N2400-9002 119
N2400-9003 119
N2400-9004 119
N2400-9005 119
N2400-9006 119
N2400-9007 119
N2400-9008 119
N2400-9009 119
N2400-9010 119
N2400-9011 119
N2400-9012 119
N2400-9013 119
N2400-9014 119
N2400-9015 119
N2520-3200 133
N2520-4800 133
N2530-1500 133
N2530-8200 133
N2530-8300 133
N2540-8400 133
N2540-8500 133
N2631-0008 131
N2631-0017 130
N2631-0018 131
N3000-2000 80
N3000-2002 80
N3795-4391 ..... 81, 82
N3795-4392 ..... 81, 82
N3795-4393 ..... 81, 82
N3795-4394 ..... 81, 82
N3795-4396 ..... 81, 82
N3795-4399 ..... 81, 82
N3795-4619 ..... 81, 82
N3795-4889 ..... 81, 82
N3795-4999 ..... 81, 82
N3795-7425 ..... 81, 82
N3942-7000 133
N3942-7500 133
N3952-7018 133
N3952-7518 133
N5127-4619 ..... 81, 82
N5127-4889 ..... 81, 82
N5127-4999 ..... 81, 82
N5127-7425 ..... 81, 82
N7519-4619 ..... 81, 82
N7519-4889 ..... 81, 82
N7519-4999 81
N7519-7425 ..... 81, 82

▶P

P7166-6002 41
P7166-6103 41
P7166-6109 41
P7166-6200 41
P7166-6306 ..... 41, 42

P7166-6402 41
P7166-6501 41
P7166-6605 41
P7166-6701 41
P7166-6800 41
P7166-6904 41

▶R

R1028-0810 ..... 30, 31
R1028-0819 ..... 30, 31
R1028-2810 ..... 30, 31
R1028-2819 ..... 30, 31
R1028-3810 ..... 30, 31
R1028-3819 ..... 30, 31
R1028-5810 ..... 30, 31
R1028-5819 ..... 30, 31
R1081-0700 ..... 30, 31
R1081-0709 ..... 30, 31
R1081-2700 ..... 30, 31
R1081-2709 ..... 30, 31
R1081-3700 ..... 30, 31
R1081-3709 ..... 30, 31
R1081-5700 ..... 30, 31
R1081-5709 ..... 30, 31
R1128-0810 ..... 30, 31
R1128-0819 ..... 30, 31
R1128-2810 ..... 30, 31
R1128-2819 ..... 30, 31
R1128-3810 ..... 30, 31
R1128-3819 ..... 30, 31
R1128-5810 ..... 30, 31
R1128-5819 ..... 30, 31
R1181-0700 ..... 30, 31
R1181-0709 ..... 30, 31
R1181-2700 ..... 30, 31
R1181-2709 ..... 30, 31
R1181-3700 ..... 30, 31
R1181-3709 ..... 30, 31
R1181-5700 ..... 30, 31
R1181-5709 ..... 30, 31

▶S

S1110-3000 13
S1110-3000-C 13
S1110-3700 12
S1110-3700-C 12
S1110-3800 12
S1110-3800-C 12
S1110-3810 12
S1110-3810-C 12
S1110-9000 13
S1110-9000-C 13
S1110-9700 12
S1110-9700-C 12
S1110-9800 12
S1110-9800-C 12
S1110-9810 12
S1110-9810-C 12
S1111-0000 13
S1111-0000-C 13
S1111-0006 13
S1111-0006-C 13
S1111-0200 13
S1111-0200-C 13
S1111-0206 13
S1111-0206-C 13
S1111-0210 13
S1111-0210-C 13
S1111-0700 12
S1111-0700-C 12
S1111-0706 12
S1111-0706-C 12
S1111-0800 12
S1111-0800-C 12
S1111-0806 12
S1111-0806-C 12
S1111-0810 12
S1111-0810-C 12
S1111-0816 12
S1111-0816-C 12
S1111-1000 13
S1111-1000-C 13
S1111-1006 13
S1111-1006-C 13
S1111-1200 13
S1111-1200-C 13
S1111-1206 13
S1111-1206-C 13
S1111-1210 13
S1111-1210-C 13
S1111-1700 12
S1111-1700-C 12
S1111-1706 12
S1111-1706-C 12
S1111-1800 12
S1111-1800-C 12
S1111-1806 12
S1111-1806-C 12
S1111-1810 12
S1111-1810-C 12
S1111-1816 12
S1111-1816-C 12
S1111-3000 13
S1111-3000-C 13
S1111-3200 13
S1111-3200-C 13
S1111-3210 13
S1111-3210-C 13
S1111-3700 12
S1111-3700-C 12
S1111-3800 12
S1111-3800-C 12
S1111-3810 12
S1111-3810-C 12
S1111-6000 13
S1111-6000-C 13
S1111-6001 13
S1111-6001-C 13
S1111-6700 12
S1111-6700-C 12
S1111-6701 12
S1111-6701-C 12
S1111-6800 12
S1111-6800-C 12
S1111-6801 12
S1111-6801-C 12
S1111-6810 12
S1111-6810-C 12
S1111-6811 12
S1111-6811-C 12
S1112-1020 13
S1112-1020-C 13
S1112-1720 12
S1112-1720-C 12
S1112-1820 12
S1112-1820-C 12
S1112-1830 12
S1112-1830-C 12
S1113-1000 13
S1113-1000-C 13
S1113-1006 13
S1113-1006-C 13
S1113-1200 13
S1113-1200-C 13
S1113-1206 13
S1113-1206-C 13
S1113-1216 13
S1113-1216-C 13
S1113-1700 12
S1113-1700-C 12
S1113-1706 12
S1113-1706-C 12
S1113-1800 12
S1113-1800-C 12
S1113-1806 12
S1113-1806-C 12
S1113-1810 12
S1113-1810-C 12
S1113-1816 12
S1113-1816-C 12
S1120-1710 15
S1120-1710-C 15
S1120-1740 15
S1120-1740-C 15
S1120-1810 15
S1120-1810-C 15
S1120-1840 15
S1120-1840-C 15
S1120-2710 15
S1120-2710-C 15
S1120-2810 15
S1120-2810-C 15
S1120-3710 15
S1120-3710-C 15
S1120-3810 15
S1120-3810-C 15
S1120-8710 15
S1120-8710-C 15
S1120-8810 15
S1120-8810-C 15
S1120-9710 15
S1120-9710-C 15
S1120-9810 15
S1120-9810-C 15
S1121-2710 15
S1121-2710-C 15
S1121-3810 15
S1121-3810-C 15
S1122-1730 15
S1122-1730-C 15
S1122-1830 15
S1122-1830-C 15
S1123-1710 15
S1123-1710-C 15
S1123-1740 15
S1123-1740-C 15
S1123-1810 15
S1123-1810-C 15
S1123-1840 15
S1123-1840-C 15
S1126-7710 15
S1126-7710-C 15
S1126-7810 15
S1126-7810-C 15
S1160-3700 17
S1160-3700-C 17
S1160-3800 17
S1160-3800-C 17
S1160-9700 17
S1160-9700-C 17
S1160-9800 17
S1160-9800-C 17
S1161-1700 17
S1161-1700-C 17
S1161-1720 17
S1161-1720-C 17
S1161-1800 17
S1161-1800-C 17
S1161-1820 17
S1161-1820-C 17
S1161-3700 17
S1161-3700-C 17
S1163-1700 17
S1163-1700-C 17
S1163-1800 17
S1163-1800-C 17
S1180-1710 17
S1180-1710-C 17
S1180-1740 17
S1180-1740-C 17
S1180-1810 17
S1180-1810-C 17
S1180-1840 17
S1180-1840-C 17
S1180-3710 17
S1180-3710-C 17
S1180-3810 17
S1180-3810-C 17
S1180-8710 17
S1180-8710-C 17
S1180-8810 17
S1180-8810-C 17
S1180-9710 17
S1180-9710-C 17
S1180-9810 17
S1180-9810-C 17
S1181-3710 17
S1181-3710-C 17
S1181-3810 17
S1181-3810-C 17
S1182-1730 17
S1182-1730-C 17
S1182-1830 17
S1182-1830-C 17
S1183-1710 17
S1183-1710-C 17
S1183-1740 17
S1183-1740-C 17
S1183-1810 17
S1183-1810-C 17
S1183-1840 17
S1183-1840-C 17
S1602-2900 63
S1602-4300 61
S1605-0000 50
S1605-0099 50
S1615-5500 50
S1615-5510 50
S1615-5550 50
S1615-5599 50
S1620-2700 50
S1620-2799 50
S1830-9600 72
S1830-9610 72
S1833-9600 72
S1833-9610 72
S1837-9600 72
S1837-9610 72
S1884-2000 71
S1884-2400 71
S1884-2410 71
S1896-1000 71
S1896-1110 71
S1896-1800 71
S1896-2000 71
S1896-2110 71
S1896-2800 71
S1896-5000 71
S1896-5110 71
S1896-5800 71
S4026-5806 77
S4026-1500 44
S4751-0010 24
S4751-0050 24
S4751-0100 24
S4751-0250 24
S4751-0500 24
S4751-1000 24
S4751-2500 24
S4751-5000 24
S4756-2500 ..... 24, 44
S4756-5000 ..... 24, 44
S4761-0010 24
S4761-0050 24
S4761-0100 24
S4761-0250 24
S4761-0500 24
S4761-1000 24
S4761-2500 24
S4761-5000 24
S4765-2500 ..... 24, 44
S4765-5000 ..... 24, 44
S7100-0125 36
S7100-0220 36
S7100-0221 36
S7100-0510 36
S7100-1100 36
S7100-2200 36
S7108-0510 37
S7108-1100 37
S7108-3300 37
S7110-1000 36
S7112-0510 37
S7112-1100 37
S7112-3300 37
S7150-5000 36
S4765-2500 44
S4765-5000 44
S7166-0010 41
S7200-0000 42
S7200-0001 42
S8012-0000 117
S8012-0010 117
S8012-0011 117
S8012-0012 117
S8012-0013 117
S8012-0014 117
S8012-0015 117
S8012-0016 117
S8012-0017 117
S8012-0018 117
S8012-0019 117
S8012-0020 117
S8012-0021 117
SG-C-L 138
SG-C-M 138
SG-C-S 138
SG-C-XL 138
SG-C-XS 138
SG-N-L 140
SG-N-M 140
SG-N-S 140
SG-N-XL 140
SG-N-XS 140
SG-P-L 139
SG-P-M 139
SG-P-S 139
SG-P-XL 139
SG-P-XS 139
SG-T-L 141
SG-T-M 141
SG-T-S 141
SG-T-XL 141
SG-T-XS 141
SU-INT-L 145
SU-INT-M 145
SU-INT-S 145
SU-INT-XL 145
SU-INT-XS 145

▶X

XC-INT-L 145
XC-INT-M 145
XC-INT-S 145
XC-INT-XL 145
XC-INT-XS 145

Notes

Notes

© March 2019. All rights reserved. Every effort has been made to ensure the content of this publication is correct. STARLAB can not take responsibility for any errors or omissions. All prices exclude VAT.

CytoOne, ErgoOne, PlateOne, TubeOne, RepeatOne, Starlab, TipOne, StarGuard are registered Trademarks and owned by **STARLAB Group**. MiniFuge PLUS, StarChill, StarPet Filler, StarRack, StarSeal, StarStack, StarStore, StarTags, StarTub, Rotator Mixer, Single & Dual Block Dry Bath, Vortex IR, TipOne Repeat and TwisStar are Trademarks of **STARLAB Group**.

Trademarks or registered Trademarks of other manufacturers or distributors are acknowledged as the property of their respective owners. Trademarks as mentioned in this publication include:

AirClean is a registered Trademark of **AirClean Systems**. Parafilm is a Trademark of **American National Can Company**. Microflex, XCEED, SUPRENO and SUPRENO PLUS are Trademarks of **Ansell**. Aurora Biomed Versa is a Trademark of **Aurora Biomed**. Biohit is a registered Trademark of **Biohit Oy**. Beckman Coulter, Beckman Biomek 1000, Beckman Biomek 2000, Beckman Biomek 3000, Beckman Biomek FX, Beckman Biomek NX, Beckman Multimek and Sagian are Trademarks of **Beckman Coulter**. Biotek is a Trademark of **BioTek Instruments**. LabPal, LabXpert and BMP21-LAB are Trademarks of **Brady**. Brand and Brand HandyStep are Trademarks of **BRAND**. CAPP and CappOrigami are Trademarks of **CAPP, DK**. Corning and Costar are Trademarks of **Corning Inc**. Faststepper is a registered trademark **Denville**. Duran is a registered Trademark of **Duran group**. Dynamic Devices Oasis LM is a Trademark of **Dynamic Devices**. Eppendorf and Multipette are registered Trademarks of **Eppendorf AG**. Cyberlab, Distriman, Gilson and Pipetman are registered Trademarks of **Gilson Instruments**. SmartSpatula is a Trademark of **Heathrow Scientific.** Chemgene is a Trademark of **Medimark.** Nichiryo is a Trademark of **Nichiryo**. Oxford-Benchmate is a Trademark of **Oxford Group**. Perkin Elmer Evolution P3, Perkin Elmer Janus, Perkin Elmer MiniTrak, Perkin Elmer Multiprobe, Packard, PlateTrak and Perkin Elmer are Trademarks of **Perkin Elmer**. CAS-4200, Colibra, Corbett, Qiagen, QIAgility and Rosys Qiagen are Trademarks of **Qiagen**. Rainin LTS is a Trademark of **Rainin**. Ripette, Ripette Pro and Ripette genX are Trademarks of **Ritter**. Biohit and Mechanical Steppe are Trademarks of **Sartorius**. SciClone is a Trademark of **SciClone Pharmaceutical**. SMI is a Trademark of **SMI**. Stepmate is a Trademark of **Scilogex**. Socorex is a Trademark of **Socorex Instruments**. Cryo Secure is a Trademark of **STARLAB, CH**. Aquarius, Freedom EVO, Tecan Freedom SE, Genesis and MiniPrep are Trademarks of **Tecan**. Finnpipette, Fisherbrand, Labsystems and Matrix are Trademarks of **Thermo Fisher**. Titertek is a Trademark of **Titertek.** Distel is a Trademark of **Tristel.** ChannelMate is a Trademark of **USA Scientific Inc**. Volac is a Trademark of **Volac.**

Climate neutral
Print product
ClimatePartner.com/11242-1901-1003

FSC
www.fsc.org
RECYCLED
Paper made from recycled material
FSC® C011814

www.starlabgroup.com

STARLAB International GmbH
Neuer Höltigbaum 38
22143 Hamburg
Germany

T: +49 (0)40 675 99 39 0
F: +49 (0)40 675 99 39 20
info@starlab.de
www.starlabgroup.com

STARLAB GmbH
Neuer Höltigbaum 38
22143 Hamburg
Germany

T: +49 (0)40 675 99 39 0
F: +49 (0)40 675 99 39 20
info@starlab.de
www.starlab.de

STARLAB (UK), Ltd
5 Tanners Drive
Milton Keynes MK14 5BU
United Kingdom

T: +44 (0)1908 283800
F: +44 (0)1908 283802
infoline@starlab.co.uk
www.starlab.co.uk

STARLAB FRANCE SARL
30 Rue Jean Rostand
91400 Orsay
France

T: +33 (0)1 60 13 71 70
F: +33 (0)1 69 41 48 65
info@starlab.fr
www.starlab.fr

STARLAB S.r.l.
Via Pinturicchio 1
20133 Milano
Italy

T: +39 02 7020 1040
F: +39 02 7020 1033
info@starlab.it
www.starlab.it

© 03/2019. Technical specifications subject to change without notice.