



LIQUID HANDLING TECHNOLOGIE

TipOne[®] *Next Generation*



The Same Trusted Tip

The original

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

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

In summary, TipOne® remains "The Original" tip you have used and trusted over the years; it has simply evolved into the fresh and innovative next generation.

Latest Technology!

Manufacture

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

Intensive!

Quality Control

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

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

New!

Unique collar

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

Proven!

Material

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

Excellent!

Filter

The TipOne® filter is one of the best on the market and protects against aerosol cross-contamination without trapping your valuable samples. The filters contain no additives to interfere with samples. For more information see pages 16-17.

TipOne®

ORIGINAL

New!**Thin-walled tip cone**

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

**Universal!****Tip Fit**

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

New!**Green tip design**

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

New!**Thin-walled tip**

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

New!**UltraPoint orifice**

Prevents sample 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 18-19.

Curious?**TipOne®**

For more information see pages 14-15.

TipOne® Tips of the New Generation

All four Tips offer the following benefits

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

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

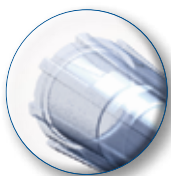
Secure and ergonomic: Engineered to provide both an optimal tip fit and to reduce loading and ejection forces.

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

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



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



New!

New!

New!

New!

TipOne®

10/20 µl XL Graduated TipOne® Tip

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

200 µl UltraPoint Graduated TipOne® Tip

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

300 µl Graduated TipOne® Tip

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

1000 µl Graduated TipOne® Tip

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

A system with a system!

Improved by You

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

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

The following pages describe all the improvements in detail.

Compact, durable and green design

Thanks to the compact design, a reduction by up to 60 % volume and up to 50 % weight (1 ml refill without tips) has been achieved, resulting in less consumption of resources and lowering CO₂ emissions during production and transportation. Not only is this more environmentally-friendly, it also helps save valuable storage space in your lab. At the same time, we have maintained the remarkable durability of our refillable and reusable system to withstand repeated autoclaving without the loss of stability or shape. Additionally, all components are now made of pure polypropylene (PP) for easy recycling as the separation of different materials is not required.



Intelligent Quality

For us, improving quality is not restricted to optimising the rack construction and choice of material, it also includes an intelligent way of providing you, the user, with all the information you need while pipetting at the bench. Therefore, our new wafer now contains all the information on the tips it holds. The new 2D matrix code on each wafer allows full traceability of item and lot number, which is ideal for labs using Laboratory Information Management Systems (LIMS). Experience tells us that our racks are refilled many times, so having the information on the wafer rather than on the rack avoids errors when racks are refilled with a different type or volume of tip.

How can you identify deliveries containing new system items?

New shelf boxes

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



The perfect Rack

- Simple! The system comprises 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 XL
- Quick and easy tip identification via colour-coded wafers with laser printed information and transparent lid
- Stackable
- Reusable
- Autoclavable



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

Overview System Components



The clever Refill

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



The self-standing Bag

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



The compact Stack Rack

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

The unique Filter Tip Refill

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

The Perfect Rack

The Perfect Rack

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

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

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



The transparent Lid

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



Stackable

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



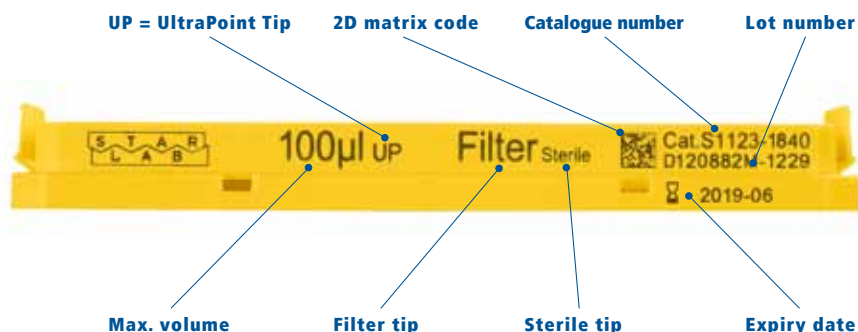
The new Lid Clip

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



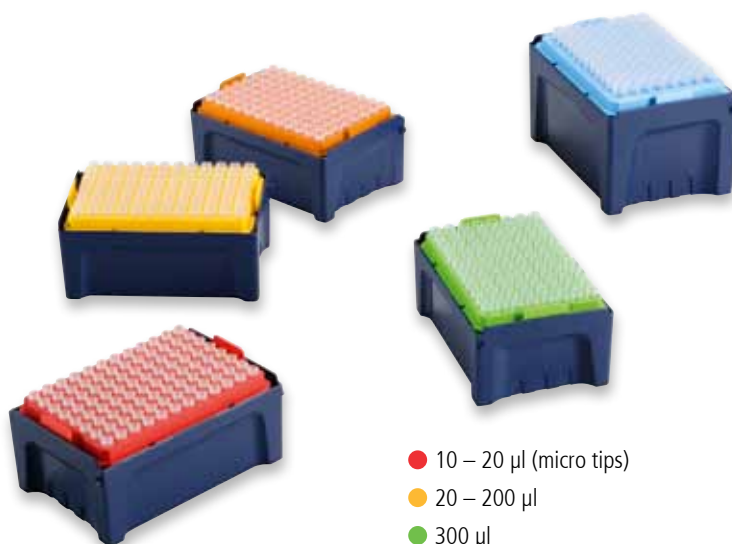
The new Wafer

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



Colour-coded wafers for easy volume identification

We listened to your needs and have introduced colour-coded wafers for fast and easy volume identification at a glance.



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

Ideal for multi-channel pipettes

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



Autoclavable

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

The clever Refill

The clever Refill

The 10/20 µl XL, 300 µl and 1000 µl pipette tips are not nestable due to their shape. Therefore, to be able to offer space-saving refills for these tips we developed a unique spacer which sits between each layer of tips. This provides a compact refill that saves on valuable storage space both in the lab and during transportation. Additionally, we have significantly reduced the use of material compared to our previous refill system by up to 50 % (weight) and 60 % (volume), thus providing a more eco-friendly refill which uses less resources.

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

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

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

The two-part label

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



The spacers

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

How it works:



Separating the refill

The two-part label can be easily split into two, individually-sealed stacks.



Removing wafers from the refill

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



Refill the rack

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



Close the lid, refilling is complete

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



Recover the partially used stack

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



Save space in the lab

Comparing the old and new refill clearly shows the saving on both space and material used, for a more eco-friendly lab.



The Unique Filter Tip Refill

The unique Filter Tip Refill

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

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

New!



Minimising waste volume

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

How it works:



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



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



Remove the refill cover.



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



The Filter Tip Refill can be used in the new TipOne® racks only. New racks can be identified by the TipOne® logo on the front and three indentations on either side.

The compact Stack Rack

The compact Stack Rack

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

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

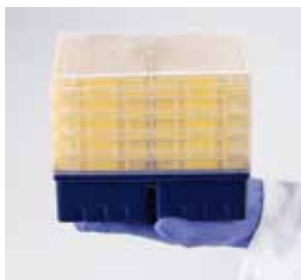
All tip information is printed on the wafers and can be read easily through the transparent lid without having to expose the tips.

The Stack Rack is autoclavable and fully recyclable.



New!

How it works:



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



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



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



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

The Self-Standing Bag

The self-standing Bag












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



New!

TipOne



PIPETTE TIPS	Racked	Racked (Sterile)	Refill	
	10 x 96-Tip Racks	10 x 96-Tip Sterile Racks	10 x 96-Tip Refills	
 10 µl Graduated Tip (Graduations: 2,5 µl, 10 µl)	S1111-3800 S1111-3800-C (8)*	S1111-3810 S1111-3810-C (8)	S1111-3700 S1111-3700-C (10)*	
 10/20 µl XL Graduated Tip (Graduations: 1 µl, 5 µl, 10 µl, 20 µl)	S1110-3800 S1110-3800-C (8)*	S1110-3810 S1110-3810-C (8)	S1110-3700 S1110-3700-C (10)*	<i>New!</i>
 200 µl Tip	S1111-0800 S1111-0800-C (8)*	S1111-0810 S1111-0810-C (8)	S1111-0700 S1111-0700-C (10)*	
 200 µl Yellow Tip	S1111-0806 S1111-0806-C (8)*	S1111-0816 S1111-0816-C (8)	S1111-0706 S1111-0706-C (10)*	
 200 µl Bevelled Tip	S1111-1800 S1111-1800-C (8)*	S1111-1810 S1111-1810-C (8)	S1111-1700 S1111-1700-C (10)*	
 200 µl Yellow, Bevelled Tip	S1111-1806 S1111-1806-C (8)*	S1111-1816 S1111-1816-C (8)	S1111-1706 S1111-1706-C (10)*	
 200 µl UltraPoint Graduated Tip (Graduations: 10 µl, 50 µl, 100 µl)	S1113-1800 S1113-1800-C (8)*	S1113-1810 S1113-1810-C (8)	S1113-1700 S1113-1700-C (10)*	<i>New!</i>
 200 µl UltraPoint Yellow Graduated Tip (Graduations: 10 µl, 50 µl, 100 µl)	S1113-1806 S1113-1806-C (8)*	S1113-1816 S1113-1816-C (8)	S1113-1706 S1113-1706-C (10)*	<i>New!</i>
 300 µl Graduated Tip (Graduations: 100 µl, 200 µl, 300 µl)	S1110-9800 S1110-9800-C (8)*	S1110-9810 S1110-9810-C (8)	S1110-9700 S1110-9700-C (10)*	<i>New!</i>
 1000 µl Graduated Tip (Graduations: 250 µl, 500 µl, 1000 µl)	S1111-6800 S1111-6800-C (4)*	S1111-6810 S1111-6810-C (4)	S1111-6700 S1111-6700-C (10)*	<i>New!</i>
 1000 µl Blue Graduated Tip (Graduations: 250 µl, 500 µl, 1000 µl)	S1111-6801 S1111-6801-C (4)*	S1111-6811 S1111-6811-C (4)	S1111-6701 S1111-6701-C (10)*	<i>New!</i>
 1250 µl XL Graduated Tip (Graduations: 100 µl, 250 µl, 500 µl, 1000 µl)	S1112-1820 S1112-1820-C (4)*	S1112-1830 S1112-1830-C (4)	S1112-1720 S1112-1720-C (10)*	



NOTES: All tips shown actual size "-" = not available.

Cat. Nos ending in -C are case sizes, the number in brackets = no. of packs per case.

*New case sizes! Optimised for safer transportation and handling, eg all cases now weigh less than 10 kg.

**New 1 ml tips fit the new blue 1 ml wafers only.

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

				
	Stack Rack	Stack Rack (Sterile)	Loose	Colour Coding
	1 x 960-Tip Stack	1 x 960-Tip Sterile Stack	1000 / Bag	
	S1111-3200 S1111-3200-C (10)	S1111-3210 S1111-3210-C (10)	S1111-3000 S1111-3000-C (50)*	●
	–	–	S1110-3000 S1110-3000-C (50)*	●
	S1111-0200 S1111-0200-C (10)	S1111-0210 S1111-0210-C (10)	S1111-0000 S1111-0000-C (25)*	●
	S1111-0206 S1111-0206-C (10)	–	S1111-0006 S1111-0006-C (25)*	●
	S1111-1200 S1111-1200-C (10)	S1111-1210 S1111-1210-C (10)	S1111-1000 S1111-1000-C (25)*	●
	S1111-1206 S1111-1206-C (10)	–	S1111-1006 S1111-1006-C (25)*	●
	S1113-1200 S1113-1200-C (10)	–	S1113-1000 S1113-1000-C (25)*	●
	S1113-1206 S1113-1206-C (10)	S1113-1216 S1113-1216-C (10)	S1113-1006 S1113-1006-C (25)*	●
	–	–	S1110-9000 S1110-9000-C (25)*	●
	–	–	S1111-6000** S1111-6000-C (20)	●
	–	–	S1111-6001** S1111-6001-C (20)	●
	–	–	S1112-1020 S1112-1020-C (20)*	●

Empty Racks for use with tips supplied in Refills, Filter Refills and Bags are available on request.

TipOne



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

TipOne® Filter Tips: pages 16-17.
TipOne® RPT: page 18-19.



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



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

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

TipOne® Filter Tips

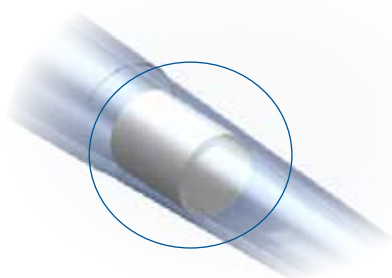


Nothing goes through!

Protect your samples against unwanted contamination by using TipOne® filter tips.

During pipetting it is not possible to see with the eye if fine aerosols are going into your pipette. If they are, those aerosols can contaminate other samples at a later date.

TipOne® filter tips are proven to block >99% of aerosols and are among the best filters on the market. The results, shown right, speak for themselves!



Why use TipOne® Filter Tips?

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

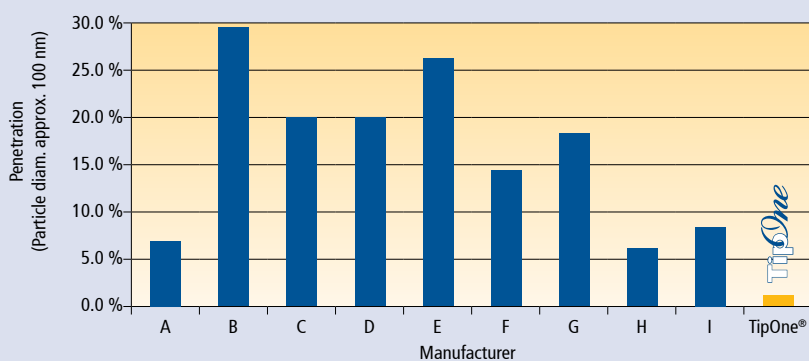
Safety! They contain no additives which can interfere with your samples.

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

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

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

Aerosol transmission of TipOne® Filter Tips compared to other manufacturers' Filter Tips



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

TipOne



FILTER TIPS (STERILE)	Racked (Sterile)	Filter Refill (Sterile)	Colour Coding
	10 x 96-Tip Sterile Racks	10 x 96-Tip Filter Refills	
10 µl Graduated Filter Tip (Sterile) (Graduations: 2,5 µl, 10 µl)	S1121-3810 S1121-3810-C (8)	S1121-2710 S1121-2170-C (8)	
10/20 µl XL Graduated Filter Tip (Sterile) (Graduations: 1 µl, 5 µl, 10 µl, 20 µl) <i>New!</i>	S1120-3810 S1120-3810-C (8)	S1120-3710 S1120-3710-C (8)	
20 µl Bevelled Filter Tip (Sterile)	S1120-1810 S1120-1810-C (8)	S1120-1710 S1120-1710-C (8)	
20 µl UltraPoint Graduated Filter Tip (Sterile) (Graduations: 10 µl) <i>New!</i>	S1123-1810 S1123-1810-C (8)	S1123-1710 S1123-1710-C (8)	
50 µl Bevelled Filter Tip (Sterile)	S1120-2810 S1120-2810-C (8)	S1120-2710 S1120-2710-C (8)	
100 µl Bevelled Filter Tip (Sterile)	S1120-1840 S1120-1840-C (8)	S1120-1740 S1120-1740-C (8)	
100 µl UltraPoint Graduated Filter Tip (Sterile) (Graduations: 10 µl, 50 µl, 100 µl) <i>New!</i>	S1123-1840 S1123-1840-C (8)	S1123-1740 S1123-1740-C (8)	
200 µl Graduated Filter Tip (Sterile) (Graduations: 50 µl, 100 µl, 200 µl)	S1120-8810 S1120-8810-C (8)	S1120-8710 S1120-8710-C (8)	
300 µl Graduated Filter Tip (Sterile) (Graduations: 100 µl, 200 µl, 300 µl) <i>New!</i>	S1120-9810 S1120-9810-C (8)	S1120-9710 S1120-9710-C (8)	
1000 µl Filter Tip (Sterile)	S1126-7810 S1126-7810-C (4)*	S1126-7710 S1126-7710-C (4)	
1000 µl XL Graduated Filter Tip (Sterile) (Graduations: 100 µl, 250 µl, 500 µl, 1000 µl)	S1122-1830 S1122-1830-C (4)	S1122-1730 S1122-1730-C (4)	

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

*New case sizes! Optimised for safer transportation and handling, eg all cases now weigh less than 10 kg

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

Empty Racks for use with tips supplied in Refills, Filter Refills and Bags are available on request.

FREE SAMPLE
TRY
before you
BUY
available on request

S T A R
L A B

TipOne® RPT



RPT: A technical breakthrough!

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

RPT Tip Features

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

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

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









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 the standard TipOne® tips, and vice versa!

Empty Racks for use with tips supplied in Refills, Filter Refills and Bags are available on request.

FREE SAMPLE
TRY
before you
BUY
available on request

TipOne RPT












RPT TIPS	Racked	Refill
	10 x 96-Tip Racks	10 x 96-Tip Refills
 10 µl RPT Graduated Tip (Graduations: 2,5 µl, 10 µl)	—	S1161-3700 S1161-3700-C (10)*
 10/20 µl RPT XL Graduated Tip (Graduations: 1 µl, 5 µl, 10 µl, 20 µl)	S1160-3800 S1160-3800-C (8)*	S1160-3700 S1160-3700-C (10)*
 200 µl RPT Bevelled Tip	S1161-1800 S1161-1800-C (8)*	S1161-1700 S1161-1700-C (10)*
 200 µl RPT UltraPoint Graduated Tip (Graduations: 10 µl, 50 µl, 100 µl)	S1163-1800 S1163-1800-C (8)*	S1163-1700 S1163-1700-C (10)*
 300 µl RPT Graduated Tip (Graduations: 100 µl, 200 µl, 300 µl)	S1160-9800 S1160-9800-C (8)*	S1160-9700 S1160-9700-C (10)*
 1250 µl RPT XL Graduated Tip (Graduations: 100 µl, 250 µl, 500 µl, 1000 µl)	S1161-1820 S1161-1820-C (4)*	S1161-1720 S1161-1720-C (10)*

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

*New case sizes! Optimised for safer transportation and handling, eg all cases now weigh less than 10 kg

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

RPT FILTER TIPS (STERILE)	Racked (Sterile)	Filter Refill (Sterile)
	10 x 96-Tip Sterile Racks	10 x 96 Sterile Filter Refills
 10 µl RPT Graduated Filter Tip (Sterile) (Graduations: 2,5 µl, 10 µl)	S1181-3810 S1181-3810-C (8)	S1181-3710 S1181-3710-C (8)
 10/20 µl RPT XL Graduated Filter Tip (Sterile) (Graduations: 1 µl, 5 µl, 10 µl, 20 µl)	S1180-3810 S1180-3810-C (8)	S1180-3710 S1180-3710-C (8)
 20 µl RPT Bevelled Filter Tip (Sterile)	S1180-1810 S1180-1810-C (8)	S1180-1710 S1180-1710-C (8)
 20 µl RPT UltraPoint Graduated Filter Tip (Sterile) (Graduations: 10 µl)	S1183-1810 S1183-1810-C (8)	S1183-1710 S1183-1710-C (8)
 100 µl RPT Bevelled Filter Tip (Sterile)	S1180-1840 S1180-1840-C (8)	S1180-1740 S1180-1740-C (8)
 100 µl RPT UltraPoint Graduated Filter Tip (Sterile) (Graduations: 10 µl, 50 µl, 100 µl)	S1183-1840 S1183-1840-C (8)	S1183-1740 S1183-1740-C (8)
 200 µl RPT Graduated Filter Tip (Sterile) (Graduations: 50 µl, 100 µl, 200 µl)	S1180-8810 S1180-8810-C (8)	S1180-8710 S1180-8710-C (8)
 300 µl RPT Graduated Filter Tip (Sterile) (Graduations: 100 µl, 200 µl, 300 µl)	S1180-9810 S1180-9810-C (8)	S1180-9710 S1180-9710-C (8)
 1000 µl RPT XL Graduated Filter Tip (Sterile) (Graduations: 100 µl, 250 µl, 500 µl, 1000 µl)	S1182-1830 S1182-1830-C (4)	S1182-1730 S1182-1730-C (4)

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

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