



α alpha laboratories
supplying quality to science

Quality Tips and Green Solutions

Alpha Laboratories is a leading liquid handling specialist with the expertise to support your needs.

This Pipette Tip Guide can help you find the best tip for your application, your workload or your budget

Ensure you get maximum performance and no interference in your assays!

Choose the Best Pipette Tips to Meet Your Needs

Alpha Laboratories is a leading liquid handling specialist with the expertise to support your needs. Our Pipette Tip Guide can help you find the best tip for your application, your workload or your budget.

Affordable Quality

Page 4-5



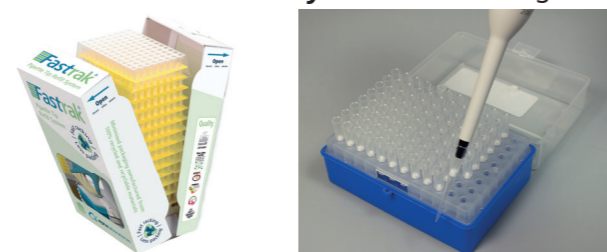
APEX® Non-Filter

APEX® Filter

The APEX range of filter and non-filter tips are designed for consistent sample dispensing with the highest accuracy and precision. This range includes the most popular volume tips in both standard and extended lengths, supplied in non-sterile or sterile formats. Choose the APEX brand for exceptional value without compromising on quality.

The Most Eco-Friendly

Page 6-9



Fastrak®

ZAP™

When it comes to saving the environment, ZAP and Fastrak work perfectly together to minimise the waste generated by your laboratory. Both ZAP and Fastrak are manufactured in the same environment using 61% renewable energy, including solar power. For the greenest lab solution, choose ZAP and Fastrak.

For Specialist Applications

Page 10-17



Paradigm™ Reload

Paradigm™ Aerogard®

The Paradigm Low-Retention range of Non-Filter Reload, and Filter tips featuring Aerogard® technology, truly epitomises the perfect pipetting experience. The minimised fluid retention combined with the tapered-tip design vastly improves pipetting efficiency. Choose Paradigm for the highest accuracy while reducing the loss of your precious samples.



Premium Surface

Nerbe Plus premium surface low retention pipette tips are optimised for the highest precision and reproducibility in a pipetting cycle. The ultra-smooth surfaces prevent loss of material through adsorption and reduced DNA denaturation. These qualities improve efficiencies of test sequences by cutting down on costs associated with expensive reagents.

Sartorius Quality & Variety

Page 18-19



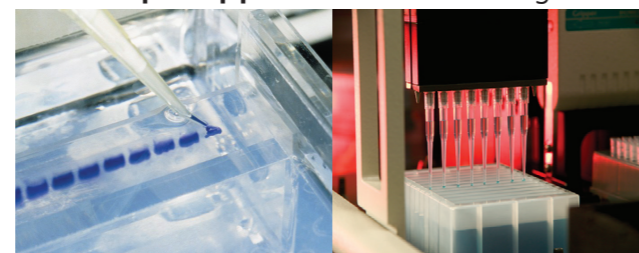
Optifit

SafetySpace™

The Sartorius range of tips offers the widest variety of high-quality packaging solutions to suit any laboratory requirements. Choose the best option for you from the Optifit range of non-filter tips, supplied bagged, in Flexibulk containers, in refill towers, refill blister-packs or in racks. The racked, sterile SafetySpace filter tips are securely packaged, guaranteeing the end-user is always the first to come in contact with the tips post-production.

For Unique Applications

Page 26-30



Gel Loading

Robotic

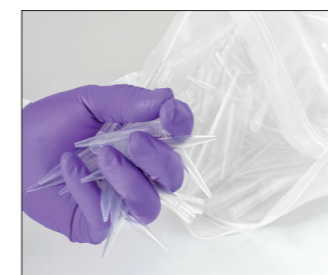
Using the right tip is crucial to the credibility of your results. Once you improvise, you introduce higher inaccuracy and imprecision in your application and increase the risk of contamination. Alpha offers a range of tips for unique applications requiring specific tips such as robotic tips, gel loading tips, and wide orifice tips.

Alpha also supplies a wide variety of general use, filter and non-filter tips, with universal or brand-specific tip fit, and suitable for use with most popular brands of pipettes.

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Packaging Formats

We offer a comprehensive choice of packaging formats to suit your needs.



Loose

Loose tips are supplied in durable, resealable, polythene bags for hand racking or use straight from the bag. access.



FlexiBulk

Also available is the FlexiBulk packaging that can be placed on the benchtop for easy access.



Racked

Pre-racked tips are available in **non-sterile** and **sterile** options. Most non-sterile tips are autoclavable. Sterile tips have been treated with e-beam or gamma radiation and each rack is individually wrapped and sealed.



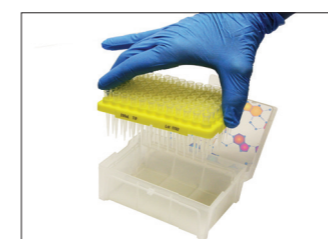
Rack Refill Stacks

Some tips, such as Sartorius (Biohit) tips, are available in space-saving refill towers which contain layers of tips in rack inserts, ready for transfer to empty tip boxes.



Fastrak® Refill System

Fastrak® is a unique, eco-friendly system for rapid refilling of racks with minimal packaging and waste.



Paradigm™ Reload

Lift-and-Load Reload system designed to simplify reloading empty racks without handling the tips preventing contamination.

Five Easy Steps to Tip Selection

By following the easy to use tip selection guide and packaging icon key below, you can make sure that the tip you require is available in the style and format that best suits your applications.

3

Check certification for suitable tips - see the details below

1

Find the make and model of your pipette

2

Find the tips which include the volume range of your pipette

4

Choose the packaging format you require

5

Select the Alpha catalogue number for your order

Tip Description and Volume Range µl		Non-Filter
		0.1-10µl Ultrafine
Coding and Certification		D,E,G,M,R
Pipette Make	Model	
Alpha+	Variable Volume	0.1-2.5, 0.5-10
	Fixed Volume	2.5, 5, 10
	Multi Channel	0.5-10
Sartorius (Biohit)	Plus®/Plus® Nxt Single Channel	0.2-10
	Plus®/Plus® Nxt Multi Channel	0.2-10
	mLINE®/Proline Plus®	0.5-10
	Proline® ¹	
Eppendorf®	Electronic	0.5-10
	Reference	0.1-2.5, 0.5-10
	Research Pro	0.5-10
	Research Plus	0.1-2.5, 0.5-10
Gilson	Pipetman	P2, 10
	Pipetman Ultra	U2, 10
	Pipetman Classic,G,L	0.2-2, 1-10
Rainin®	EDP3	
	EDP1	
Loose Non-Sterile		Cat. No. LW1154 Pack Size 1000
Racked Non-Sterile		Cat. No. LW1126 Pack Size 12 x 96
Racked Sterile		Cat. No. LW1136 Pack Size 12 x 96

Tip and Colour Coding for Easy Identification

The tip fit tables are colour-coded to indicate the maximum volume of your chosen tip.

White	10µl tip
Yellow	200µl tip
Blue	1000µl tip
Purple	Other volumes

- D** Tips are lot tested and certified for absence of detectable human DNA
- Ds** Sterile tips only are lot tested and certified for absence of detectable human DNA
- E** Tips are lot tested and certified for absence of detectable endotoxins (pyrogens)
- Es** Sterile tips only are lot tested and certified for absence of detectable endotoxins (pyrogens)
- G** Tips have graduations to visually check volume
- M** Tips are tested and certified for absence of heavy metals
- N** Low Retention Resin
- R** Tips are lot tested and certified for absence of detectable DNase and RNase
- T** Tips have reduced forces for mounting and ejection to avoid strain injuries
- U** Tips have a thin, flexible point which allows the last drop to be dispensed easily

APEX® Tips

You should never have to compromise on quality. With the APEX® range of pipette tips you don't have to.

Designed for consistent sample dispensing with the highest accuracy and precision.

The Affordable Choice

The APEX® range of pipette tips is the newest addition to Alpha Laboratories' wide selection of liquid handling consumables. Manufactured in a state of the art production facility, APEX® tips are an excellent choice for laboratories looking for quality and affordability.



Manufactured to Improve Pipetting Precision

Each tip is graduated for easy volume checking, while the conical tip opening prevents drop formation at the end of the tip. This minimises sample loss and further improves pipetting precision.









All the tips are manufactured from virgin polypropylene and filtered tips feature a hydrophobic polyethylene filter. The filter is manufactured from contaminant-free virgin resin with an average pore size of 5-20µm. This acts to block aerosols as well as vapour, radioactive, biohazardous or corrosive samples.

The tips have a universal fit with enhanced cone geometry. This ensures compatibility with a wide range of popular brand pipette models, including the **alpha+** range of pipettes.



Certified and Quality Assured

Every batch of tips is required to pass the highest level of Quality Assurance testing. The tips are certified metal free as well as RNase, DNase DNA, Pyrogen and PCR Inhibitor free. Sterile tips are further e-beam irradiated to ensure there is no contamination of your precious sample.

		Non-Filtered		
Tip Description and Volume Range µl		0.1-10µl	0.1-10µl XL	
Coding and Certification (see page 3)		D,G,M,R,T,U	D,G,M,R,T,U	
Pipette Make	Model	Pipette Volume Range µl		
Alpha	alpha+ Variable Volume	0.1-2.5, 0.5-10	0.1-2.5, 0.5-10	
	alpha+ Fixed Volume	2.5, 5, 10	2.5, 5, 10	
CAPP	CAPPBravo, ecopipette and CAPPaero Single Ch	0.2-2, 0.5-10	0.2-2, 0.5-10	
	CAPP electronic and CAPPaero Multi Ch	0.5-10, 2-20	0.5-10, 2-20	
Finnpipette	Finnpipette Digital	0.5-10	0.5-10	
Sartorius Biohit	Picus®/Picus NXT®	0.1-3, 0.5-10	0.1-3, 0.5-10	
	eLINE®	0.1-3, 0.5-10	0.1-3, 0.5-10	
	mLINE®	0.1-3, 0.5-10	0.1-3, 0.5-10	
	Proline® Plus	0.1-3, 0.5-10	0.1-3, 0.5-10	
	Proline®	0.1-3, 0.5-10	0.1-3, 0.5-10	
Brand	Transferpette®	0.5-10	0.5-10	
Eppendorf	Research® Plus	0.1-2.5, 0.5-10	0.1-2.5, 0.5-10	
Gilson	Pipetman®	0.2-2, 1-10	0.2-2, 1-10	
Rainin	Classic, universal shaft	0.1-2, 0.5-10	0.1-2, 0.5-10	
VWR, Labnet, HTL	Mechanical pipettes	0.1-2, 0.5-10	0.1-2, 0.5-10	
Tip Coding and Certification Key available - see page 3   (Non-filter only) 				
<i>All tips are actual size</i>				
Loose Non-Sterile		Product Code	AT0010L	AT0010XLL
		Pack Size	1000	1000
Racked Non-Sterile		Product Code	AT0010R	AT0010XLR
		Pack Size	10 x 96	10 x 96
Racked Sterile		Product Code	AT0010RS	AT0010XLRs
		Pack Size	10 x 96	10 x 96

Non-Filtered					Filtered				
1-200µl	1-200µl Yellow	100-1000µl	100-1000µl Blue	100-1250µl	0.1-10µl	0.1-10µl XL	1-200µl	100-1000µl	100-1250µl
D,G,M,R,T,U	D,G,M,R,T,U	D,G,M,R,T,U	D,G,M,R,T,U	D,G,M,R,T,U	D,G,M,R,T,U	D,G,M,R,T,U	D,G,M,R,T,U	D,G,M,R,T,U	D,G,M,R,T,U
Pipette Volume Range µl									
2-20, 5-50, 10-100, 20-200, 30-300	2-20, 5-50, 10-100, 20-200, 30-300	100-1000	100-1000	100-1000	0.1-2.5, 0.5-10	0.1-2.5, 0.5-10	10-100, 20-200, 30-300	100-1000	100-1000
20, 25, 40, 50, 100, 200	20, 25, 40, 50, 100, 200	500, 1000	500, 1000	500, 1000	2.5, 5, 10	2.5, 5, 10	200	500, 1000	500, 1000
2-20, 5-50, 10-100, 20-200	2-20, 5-50, 10-100, 20-200	100-1000	100-1000	100-1000	0.2-2, 0.5-10	0.2-2, 0.5-10	2-20, 5-50, 10-100, 20-200	100-1000	100-1000
5-50, 10-100, 20-200	5-50, 10-100, 20-200	100-1200	100-1200	100-1200	0.5-10, 2-20	0.5-10, 2-20	5-50, 10-100, 20-200	100-1200	100-1200
2-20, 5-50, 20-200	2-20, 5-50, 20-200	100-1000, 200-1000	100-1000, 200-1000	100-1000, 200-1000	0.5-10	0.5-10	5-50, 20-200	100-1000, 200-1000	100-1000, 200-1000
2-20, 10-100, 20-200	2-20, 10-100, 20-200	100-1000	100-1000	100-1000	0.1-3, 0.5-10	0.1-3, 0.5-10	10-100, 20-200	100-1000	100-1000
2-20, 10-100, 20-200	2-20, 10-100, 20-200	100-1000	100-1000	100-1000	0.1-3, 0.5-10	0.1-3, 0.5-10	10-100, 20-200	100-1000	100-1000
2-20, 10-100, 20-200	2-20, 10-100, 20-200	100-1000	100-1000	100-1000	0.1-3, 0.5-10	0.1-3, 0.5-10	10-100, 20-200	100-1000	100-1000
2-20, 10-100, 20-200	2-20, 10-100, 20-200	100-1000	100-1000	100-1000	0.1-3, 0.5-10	0.1-3, 0.5-10	10-100, 20-200	100-1000	100-1000
2-20, 10-100, 20-200	2-20, 10-100, 20-200	100-1000	100-1000	100-1000	0.1-3, 0.5-10	0.1-3, 0.5-10	10-100, 20-200	100-1000	100-1000
2-20, 10-100, 20-200	2-20, 10-100, 20-200	100-1000	100-1000	100-1000	0.5-10	0.5-10	20-200	100-1000	100-1000
2-20, 10-100, 20-200	2-20, 10-100, 20-200	100-1000	100-1000	100-1000	0.5-10	0.1-2.5, 0.5-10	20-200	100-1000	100-1000
2-20, 20-100, 50-200	2-20, 20-100, 50-200	100-1000, 200-1000	100-1000, 200-1000	100-1000, 200-1000	0.2-2, 1-10	0.2-2, 1-10	2-20, 10-100, 50-200, 20-200	100-1000, 200-1000	100-1000, 200-1000
2-20, 10-100, 20-200	2-20, 10-100, 20-200	100-1000	100-1000	100-1000	0.1-2, 0.5-10	0.1-2, 0.5-10	2-20, 10-100, 20-200	100-1000	100-1000
2-20, 10-100, 20-200	2-20, 10-100, 20-200	100-1000	100-1000	100-1000	0.1-2, 0.5-10	0.1-2, 0.5-10	2-20, 10-100, 20-200	100-1000	100-1000
AT0200L	AT0200YLL	AT1000L	AT1000BLL	AT1250L					
1000	1000	1000	1000	1000					
AT0200R		AT1000R		AT1250R					
10 x 96		8 x 96		8 x 96					
AT0200RS		AT1000RS		AT1250RS	AT0010RSF	AT0010XLRsF	AT0200RSF	AT1000RSF	AT1250RSF
10 x 96		8 x 96		8 x 96	10 x 96	10 x 96	10 x 96	8 x 96	8 x 96

APEX® Pipette Tips 10-1250µl

APEX® Pipette Tips 10-1250µl

Fastrak® Tip Rack Refill System – tip refills redefined

Fastrak® is an ingenious, pipette tip refill system, designed to reduce waste, save time and help you lower your carbon footprint. Compared with other refill systems, it is smaller, lighter and has less packaging.

- Simple to use
- Maximises storage space
- Eco-friendly – 95% renewable packaging materials
- Low packaging weight – reduces fuel used in transportation
- BioPolymer base and vegetable-based printing inks
- Uses quality Alpha tips made from 100% virgin polypropylene
- Made using 30% Solar Power



How Fastrak® works



1. Open Fastrak® and grasp transfer top. Lift straight up.



2. Align transfer top over rack and lower the refill into position.



3. Push down on transfer top to release refill plate. Return transfer top to Fastrak® refill stack and close.

Transfer top made of recycled PET

Tips are certified DNA/DNase/RNase free lot by lot

Stack base made from recyclable bioplastic

Minimal package weight reduces waste and transport energy consumption

Transfer top keeps tips clean and prevents tip wobble during refilling. You refill without having to touch the tips or racks so no worries about contamination.

When opened Fastrak® is extremely stable

Printed with soya inks to reduce heavy metal pollution

Box made from 100% recycled paper

Reclosable package with small footprint takes up less space in the lab

Tip Fit

Fastrak tips are compatible with a wide range of single and multi-channel pipettes including:

- alpha+
- Sartorius
- Gilson
- Eppendorf
- Thermo Finnpiptette
- Thermo Matrix
- Rainin
- Brand

Naturally it is vital to have a good tip fit for your particular pipette. The ability of a tip to fit a pipette can vary even for the same brand and model due to:

- tip cone wear
- manufacturers' use of different tip cones in various geographic locations
- new designs and improvements

The compatibility of our tips with new and existing models is checked on a regular basis and an up-to-date tip fit guide is available on our website. To download your copy, visit www.alphalabs.co.uk/fastrak-tip-fit. We do however recommend that you still test out the fit of your chosen tip on your particular pipette. Please contact us for samples.

Formats

- Autoclavable** – Fastrak tips and racks can be autoclaved at 121C for 15 minutes (15 PSI)
- Ultrafine** – Most of the Fastrak tips are 'Ultrafine' and feature a thin, flexible section at the end which is non-bevelled. This facilitates the dispensing of every drop of sample from the tip.
- Racks** – It is quick and easy to refill your used Alpha tip racks or alternatively, we can supply you with free empty racks to get you started. There is a choice of square or round-holed racks for tips up to 250µl. Round-holes are particularly good for multichannel pipettes as they have an anti-wobble feature.

samples available

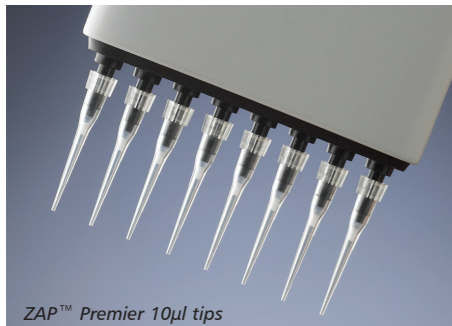
Empty Racks

Catalogue Number	Description	Colour	Compatibility Code	Pack Size
FR9200	Square-holed Racks for 10,20,200 & 250µl Tips	Blue	C	10
FR9500	Round-holed Racks for 10,20,200 Tips	Blue	A	10
FR9000	Square-holed Racks for 300,1000 & 1250µl Tips	Blue	B	6

Tip Cat No.	0.1-10µl Ultrafine Micro	0.1-10µl Ultrafine Extended	1-200µl Universal Bevel	1-200µl Reference Bevel	1-200µl Reference Ultrafine	1-300µl Ultrafine	100-1250µl Ultrafine	0.1-20µl Ultrafine Rainin LTS *	0.5-250µl Ultrafine Rainin LTS *	100-1000µl Ultrafine Rainin LTS *
Tip Fit Picus®/NXT Single Channel	0.1-10	0.2-10	5-120,10-300	5-120,10-300	5-120,10-300	5-120,10-300				
Tip Fit Picus®/NXT Multi Channel	0.2-10	0.2-10	5-120,10-300	5-120,10-300	5-120,10-300	5-120				
Tip Fit alpha+ Variable Volume	0.1-2.5, 0.5-10	0.1-2.5, 0.5-10	2-20, 5-50, 10-100, 20-200	2-20, 5-50, 10-100, 20-200	2-20, 5-50, 10-100, 20-200	2-20, 5-50, 10-100, 20-200	100-1000			
Tip Fit alpha+ Fixed Volume	2.5, 5, 10	2.5, 5, 10	20, 25, 40, 50, 100, 200	20, 25, 40, 50, 100, 200	20, 25, 40, 50, 100, 200	20, 25, 40, 50, 100, 200	250, 500, 1000			
Tip Fit alpha+ Multi Channel	0.5-10	0.5-10	5-50, 10-100, 20-200	5-50, 10-100, 20-200	5-50, 10-100, 20-200	5-50, 10-100, 20-200, 30-300	100-1000			
Non-Sterile	Cat. No. FR1015	FR1010	FR1200	FR2200	FR0250	FR1300	FR1250	FR3020	FR3250	FR3000
	Pack Size 13 x 96	14 x 96	10 x 96	10 x 96	10 x 96	6 x 96	5 x 96	11 x 96	10 x 96	5 x 96
	Rack Compatibility A / C	A / C	A / C	A / C	A / C	B	B	A / C	C	B

All tips illustrated are actual size unless otherwise stated *LTS (Lite Touch System) is a trademark of Mettler Toledo

ZAP™ Premier Filter Tips



- The ultimate in pipette and sample protection
- Perfect for PCR and other demanding applications

ZAP™ Premier filter tips give you ultimate protection for both your pipette and sample without making a big hole in your budget. There is a wide range to fit most brands of pipette.

Protect your Pipette

ZAP™ Premier filter tips feature a unique 10µm pore size filter. These pores are 100% smaller than those in most other filter tips and effectively trap aerosols containing DNA, radionucleotides and other contaminants, preventing them from entering the barrel of the pipette and keeping it clean.




Protect your Sample

The filter also works to protect your sample. It blocks fluid passage so that in the event of over-pipetting, your sample will not be absorbed and can be completely dispensed without any loss. Contamination of the sample by the filter is avoided as it is made from high purity polyethylene and inserted robotically into the tip. Every batch of tips is tested and certified to be free of RNase, DNase, Human DNA. They are also certified as non-pyrogenic including the filter.

Protect your Budget

ZAP™ Premier filter tips are sensibly priced to take account of restricted budgets and what's more, due to the high density of the filter, ZAP™ Premier filter tips are autoclavable. That means, if you don't use the entire box of tips, they need not be wasted. You can sterilise them again and the filters will not warp.



Tip Description and Volume Range µl		1-10 µl ZAP Premier Micro	1-10 µl ZAP Premier Extended	1-20 µl ZAP Premier LTS*	1-40 µl ZAP Premier Bevel	1-50 µl ZAP Premier Reference	1-100µl ZAP Premier Bevel
Coding and Certification (see page 3)		D,E,G,M,R,U	D,E,M,R,U	D,E,M,R,T,U	D,E,M,R	D,E,G,M,R,U	D,E,M,R
Pipette Make	Model	Pipette Volume Range µl					
alpha+	Variable Volume	0.1-2.5, 0.5-10	0.1-2.5, 0.5-10		5-50		10-100
	Fixed Volume	2.5, 5, 10	2.5, 5, 10		20, 40, 50		100
	Multi Channel	0.5-10	0.5-10		5-50	5-50	10-100
Sartorius (Biohit)	Picus®/N&T Single Channel	0.2-10	0.2-10		5-120	5-120, 10-300	5-120, 10-300
	Picus®/N&T Multi Channel	0.2-10	0.2-10		5-120	5-120, 10-300	5-120, 10-300
	eLINE®	0.2-10	0.2-10				
	Tacta	0.1-3, 0.5-10	0.1-3, 0.5-10		2-20	5-100, 10-100	10-100
	mLINE®/Proline+	0.1-3, 0.5-10	0.1-3, 0.5-10		2-20	5-100, 10-100	10-100
	Proline® 1	0.5-10	0.5-10				10-100
Eppendorf®	Electronic	0.2-10	0.2-10		5-100	5-100	5-100
	Reference	0.1-2.5	0.1-2.5		2-20	10-100	10-100
	Research Pro	0.5-10	0.5-10			5-100	5-100
	Research Plus	0.1-2.5, 0.5-10	0.1-2.5, 0.5-10		2-20	10-100	10-100
Gilson	Pipetman	0.2-2, 1-10	0.2-2, 1-10		2-20	20-100	20-100
	Pipetman Ultra	0.2-2, 1-10	0.2-2, 1-10		2-20	20-100	
	Pipetman Classic,G,L	0.2-2, 1-10	0.2-2, 1-10		2-20	20-100	20-100
Rainin®	EDP3	0.5-10	0.5-10	2-20	2-20		10-100
	EDP1	0.5-10	0.5-10	2-20	2-20		10-100
	Pipet Lite SL	0.1-2, 0.5-10	0.1-2, 0.5-10	0.1-2, 0.5-10, 2-20	2-20	10-100	
	Classic						
Thermo Electron Finnpipette™	Digital	0.2-10, 0.5-10	0.2-10, 0.5-10		2-20		
	Focus	0.2-2, 0.5-5, 1-10	0.2-2, 0.5-5, 1-10		2-20	10-100	10-100
	Biocontrol	0.3-3, 0.5-5, 1-10	0.3-3, 0.5-5, 1-10			10-100	10-100 (SC)
	Novus	1-10	1-10				
	Finnpipette 4500						
Tip Coding and Certification Key available - see page 3		  					
Racked Sterile	Cat. No.	ZP1015S	ZP1010S	ZP3020S	ZP1204S	ZP0250S	ZP2100S
	Pack Size	12 x 96	10 x 96	10 x 96	10 x 96	10 x 96	10 x 96

All tips illustrated are actual size unless otherwise stated

*LTS = Lite Touch System, a trademark of Rainin/Mettler Toledo

1-100µl ZAP Premier Ref. Bevel	1-100µl ZAP Premier Bevel	1-160µl ZAP Premier Bevel	1-200µl ZAP Premier	1-200µl ZAP Premier LTS*	1-300µl ZAP Premier Bevel	1-300µl ZAP Premier Extended	100-1000µl ZAP Premier	100-1000µl ZAP Premier Flextop	100-1000µl ZAP Premier LTS *	Tip Description and Volume Range µl	
D,E,G,M,R,U	D,E,M,R	D,E,M,R	D,E,M,R,U	D,E,M,R,T,U	D,E,M,R	D,E,M,R,U	D,E,M,R,U	D,E,M,R,T,U	D,E,M,R,T,U	Coding and Certification (see page 3)	
Pipette Volume Range µl										Model	Pipette Make
10-100	10-100	10-100	10-100, 20-200		20-200	20-200	100-1000	100-1000		Variable Volume	alpha+
100	100	100	100, 200		200	200	250, 500, 1000	250, 500, 1000		Fixed Volume	
5-50, 10-100	5-50, 10-100	5-50, 10-100	5-50, 10-100, 20-200		20-200, 30-300	20-200, 30-300	100-1000	100-1000		Multi Channel	
5-120, 10-300	5-120, 10-300	5-120, 10-300	10-300		10-300	10-300				Picus®/N&T Single Channel	Sartorius (Biohit)
5-120, 10-300	5-120, 10-300	10-300	10-300		10-300	10-300				Picus®/N&T Multi Channel	
		5-120					50-1000	50-1000		eLINE®	
10-100	10-100, 20-200(SC)		20-200		20-200					Tacta	
10-100	10-100, 20-200(SC)		20-200		20-200		100-1000	100-1000		mLINE®/Proline+	
10-100	10-100	5-50	50-200		10-250	50-200, 50-300	200-1000	200-1000		Proline® 1	
5-100	5-100									Electronic	Eppendorf®
10-100	10-100	50-200	5-100		50-200	50-200	100-1000	100-1000		Reference	
5-100	5-100	5-100	50-200			20-200(SC), 30-300(MC)	50-1000	50-1000		Research Pro	
10-100	10-100	20-200	20-200		20-200	20-200(SC), 30-300(MC)	100-1000	100-1000		Research	
10-100	10-100		20-200 (Not M/C)		20-200	20-200	100-1000	100-1000		Research Plus	
20-100	20-100	50-200	50-200		50-200	50-200	200-1000	200-1000		Pipetman	
20-100	20-100	20-200	20-200		20-200	20-200	200-1000	200-1000		Pipetman Ultra	Gilson
20-100	20-100		20-200		50-200	50-200	200-1000	200-1000		Pipetman Classic,G,L	
			20-200	5-50, 20-200	20-200	20-300	100-1000	100-1000	100-1000	EDP3	
			20-200	10-100, 20-200		20-300	100-1000	100-1000	100-1000	EDP1	Rainin®
10-100	10-100		20-200	10-100, 20-200	20-200	20-300	100-1000	100-1000	100-1000	Pipet Lite SL	
										Classic	
							100-1000	100-1000		Digital	Thermo Electron Finnpipette™
10-100	10-100						30-300(MC)	200-1000	200-1000	Focus	
10-100(SC)	10-100(SC)						30-300	100-1000	100-1000	Biocontrol	
								100-1000	100-1000	Novus	
										Finnpipette 4500	
ZP2200S	ZP1200S	ZP1210S	ZP2250S	ZP3250S	ZP3300S	ZP1300S	ZP1250S	ZP1100S	ZP3000S	Cat. No.	Racked Sterile
10 x 96	10 x 96	10 x 96	10 x 96	10 x 96	10 x 96	6 x 96	6 x 96	6 x 96	6 x 96	Pack Size	

*LTS = Lite Touch System, a trademark of Rainin/Mettler Toledo

Refill Your Empty Racks
ZAP™ Premier tip racks are compatible with the **Fastrak** tip refill system so you can re-use your filter racks once empty, for a greener solution. See page 6-7 for details.

Tip Fit
SC = Single Channel
M/C = Multichannel
We have indicated the tip compatibility with popular brands and models of pipette. Manufacturers can however change their pipette specifications without our knowledge, so it is always best to ask for samples and check tip fit with your particular pipettes. Likewise, if your pipette is not shown in the tip fit tables, please request samples or contact us for advice.
Please note that the tip's maximum volume must not be exceeded, regardless of the volume range of your pipette.

All tips illustrated are actual size unless otherwise stated

ZAP™ Premier Filter Tips 10-1200µl

ZAP™ Premier Filter Tips 10-1200µl



Paradigm™ Low Retention Tips

Paradigm™ Pipette Tips were created to improve pipetting accuracy while also increasing throughput. The innovation begins with a proprietary resin that ensures the sample will not bind to the tip so it is dispensed completely. Physical design characteristics like thin walls and a finely tapered tip point, facilitate sample release and eliminate the need to touch off the pipette tip.

Clean Liquid Release

Paradigm tips administer a virtually clean sample release, guaranteeing minimal time is spent waiting for the last drop to fall from the tip. Users will maintain complete control, even when working with smaller volumes, without compromising the accuracy and precision of their pipetting.

Low Retention

Considerably more hydrophobic than standard tips, Paradigm tips enable even viscous fluids to be dispensed more completely.

Filtered Tips

Paradigm filtered pipette tips offer an extra level of confidence and control by providing a barrier between the nose cone of the pipettor and the sample.

The Paradigm filter membrane:

- Composed of high-density polyethylene (HDPE)
- Contains no additives that can contaminate samples if encountered
- Provides a barrier against contamination, but will not impede airflow
- Hydrophobic properties prevent absorption of samples



Clean Liquid Release

Low Retention

Filtered Tips

Paradigm Reload System

The Paradigm Reload system was designed to simplify the process of refilling empty racks. No special alignment tools are required to quickly transfer a fresh set of tips to an empty rack - simply lift and load! Paradigm Reloads are also sympathetic of the environment and convenient to store, with stacked refills generating far less lab waste and requiring less shelf space than racked product.

The Paradigm Reload system is kept in paperboard packaging, making it widely accepted by most institutional recycling preferences and processes.



Empty Racks				
Catalogue Number	Description	Colour	Compatibility Code	Pack Size
4A202-000000-020	Rack for 10-300µl Reload Tips Paradigm™	Yellow	D	20
4A404-000000-020	Rack for 1250µl Reload Tips Paradigm™	Blue	E	20

		Paradigm™ Low Retention Tips		
Tip Description and Volume Range µl		0.5-10µl Extended Low Retention	1-200µl Low Retention	100-1250µl Low Retention
Coding and Certification (see page 3)		E,N	E,G,N	E,G,N
Pipette Make	Model			
alpha+	Variable Volume	0.1-2.5, 0.5-10	2-20, 5-50, 10-100, 20-200	100-1000
	Fixed Volume	2.5, 5, 10	20, 25, 40, 50, 100, 200	250, 500, 1000
	Multi Channel	0.5-10	5-50, 10-100, 20-200	
Sartorius (Biohit)	Plus®/Nxt Single Channel			
	Plus®/Nxt Multi Channel			
	eLINE®			
	Tacta/mLINE®/Proline+ Proline®¹	0.1-3,0.5-10	2-20, 10-100, 20-200 (5-100 M/C)	100-1000
Eppendorf®	Electronic Reference	0.1-2.5, 0.5-10, 2-20 micro	2-20,10-100, 50-200	
	Research Pro			
	Research			
	Research Plus	0.1-2.5, 0.5-10, 2-20 micro	2-20, 10-100,20-200 (M/C 10-100)	100-1000
Gilson	Pipetman			
	Pipetman Ultra			
	Pipetman Classic,G,L	0.2-2, 1-10	2-20, 20-100, 50-200	100-1000
Rainin®	EDP3			
	EDP1			
	Pipet Lite SL	0.1-2, 0.5-10	2-20,10-100, 20-200	100-1000
	Classic			
Thermo Electron Finnpipette™	Digital			
	Focus			
	Biocontrol			
	Novus			
	Finnpipette 4500	0.2-2, micro,0.5-5, micro	0.5-5, 2-20, 5-50, 10-100, 20-200, (M/C 5-50)	100-1000

Tip Fit

We have indicated the tip compatibility with popular brands and models of pipette. Manufacturers can however change their pipette specifications without our knowledge, so it is always best to ask for samples and check tip fit with your particular pipettes. Likewise, if your pipette is not shown in the tip fit tables, please request samples or contact us for advice.

Please note that the tip's maximum volume must not be exceeded, regardless of the volume range of your pipette.

All tips illustrated are actual size unless otherwise stated

		Filter Tips available	Filter Tips available	Filter Tips available
Loose Non-Sterile		Cat. No. RLD-10XLNS Pack Size 10x96	Cat. No. RLD-250NS Pack Size 10x96	Cat. No. RLD-1250NS Pack Size 8x96
Racked Reload				
Racked Sterile				
Rack Compatibility		D	D	E

Paradigm™ Aerogard Filter Tips



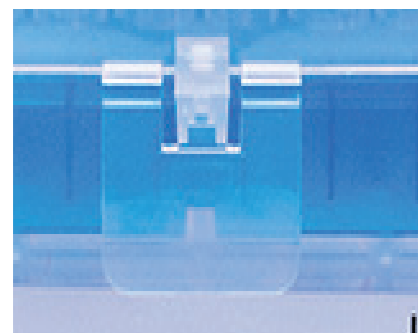
Paradigm racks are labelled with volume and lot information for easy identification



The racks are robustly designed to withstand multiple autoclave cycles



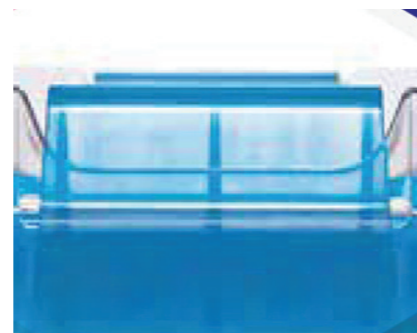
Paradigm Racks are designed to elevate the tips relative to the base in order to facilitate offset pipetting



Latch design enables easy one-handed operation as well as a secure close when not in use

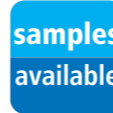





Sterile product is preserved in easy-to-open, tear-band shrink wrap



Tabs on the ends of reload grids are manufactured to the identical height of the box, and will not interfere with multi-channel pipettors



Tip Description and Volume Range µl		Paradigm™ Low Retention Filter Tips						
		1-10µl Aerogard® Reference	2-20µl Aerogard® Reference	10-100µl Aerogard® Reference	20-200µl Aerogard® Reference	200µl XL Aerogard® Reference	1-300µl Aerogard® Reference	100-1250µl Aerogard® Reference
Coding and Certification (see page 3)		D,E,G,M,N,R	D,E,G,M,N,R	D,E,G,M,N,R	D,E,G,M,N,R	D,E,G,M,N,R	D,E,G,M,N,R	D,E,G,M,N,R
Pipette Make	Model							
alpha+	Variable Volume	0.1-2.5, 0.5-10	2-20		5-50	2-20		10-100
	Fixed Volume	2.5, 5, 10	2-20		20, 40	2-20		100
	Multi Channel	0.5-10				5-120, 10-300	5-50	10-100
Sartorius (Biohit)	Picus®/Picus® N&T Single Channel	0.2-10	5-120, 10-300	10-300				
	Picus®/Picus® N&T Multi Channel	0.2-10						
	eLINE® Tacta/mLINE®/Proline Plus®	0.1-3, 0.5-10	2-20, 10-100	20-200	20-200	2-20, 10-100	2-20, 10-100, 20-200 (M/C 5-100, 30-300)	100-1000
	Proline® ¹	5-50	5-50	5-50, 50-200	50-200	5-50	2-20, 5-50, 10-100, 20-200 (M/C 5-50, 50-300)	100-1000
Eppendorf®	Electronic Reference	0.1-20	2-20, 10-100	1-100, 50-200		2-20, 10-100	2-20, 10-100, 50-200	
	Research Pro							
	Research	0.1-2.5, 0.5-10	2-200	1-100, 20-200		2-200		
	Research Plus						2-20, 10-100, 20-200 (M/C 10-100, 30-300)	100-1000
Gilson	Pipetman	P2, 10	P20, 100	P200	P200	P20, 100		
	Pipetman Ultra	U2, 10	U20, 100	U200	U200	U20, 100		
	Pipetman Classic, G, L						2-20, 20-100, 50-200	200-1000
Rainin®	EDP3							
	EDP1							
	Pipet Lite SL						2-20, 10-100, 20-200	100-1000
	Classic							
Thermo Electron Finnpipette™	Digital		5-40	5-200	40-200, 50-200	5-40		
	Focus	1-10	1-10, 10-100	10-100, 30-300	10-100, 30-300	1-10, 10-100		
	Biocontrol							
	Novus Finnpipette 4500						0.5-5, 2-20, 5-50, 10-100, 20-200, (M/C 5-50, 50-300)	100-1000
Tip Coding and Certification Key available - see page 3		  						
Paradigm Aerogard® Filter Tips provide excellent protection for your sample and instruments from cross-contamination due to aerosols. They are great for PCR as well as handling radioisotopes, serological samples and viruses. Volumes range from 10µl-1250µl ensuring a tip for any application.								
All tips illustrated are actual size unless otherwise stated								
Racked Sterile	Cat. No.	SRPT-10XLNSF	SRPT-250NSFA	SRPT-250NSFB	SRPT-250NSF	SRPT-200XLNSF	SRPT-300NSF	SRPT-1250NSF
	Pack Size	10 x 96	10 x 96	10 x 96	10 x 96	6 x 96	10 x 96	8 x 96

1. Also labelled as Jencons Sealpipette and as Genex.

Premium Surface Low Retention Pipette Tips

Nerbe plus Premium Surface low retention pipette tips are optimised for the highest precision and reproducibility in a pipetting cycle.

The ultra-smooth hydrophobic surfaces prevent loss of material through adsorption and reduce DNA denaturation. These qualities improve efficiencies of test sequences by cutting down on costs associated with expensive reagents.

The accuracy of these tips is not affected by the physical properties of your sample, enabling you to achieve perfect results in liquid handling, even when dealing with challenging solutions. Material loss of your valuable reagents and denaturation of DNA are therefore a thing of the past.

These tips will revolutionise your daily laboratory work with continuous residue-free pipetting. They provide you with maximum precision and accuracy when aspirating and dispensing your sample material, to ensure your results and success.

The viscosity, volatility, surface tension and temperature of the solution in particular can negatively influence pipetting quality. Viscous liquids such as glycerol leave residues in the tip during pipetting. This adversely affects the accuracy and precision of the desired result.

With Premium Surface tips this is no longer a problem.

Flexible tip collar fits all popular pipettes

Aerosol barrier (in filter tips) is made of sintered PE, without any chemical agents & additives

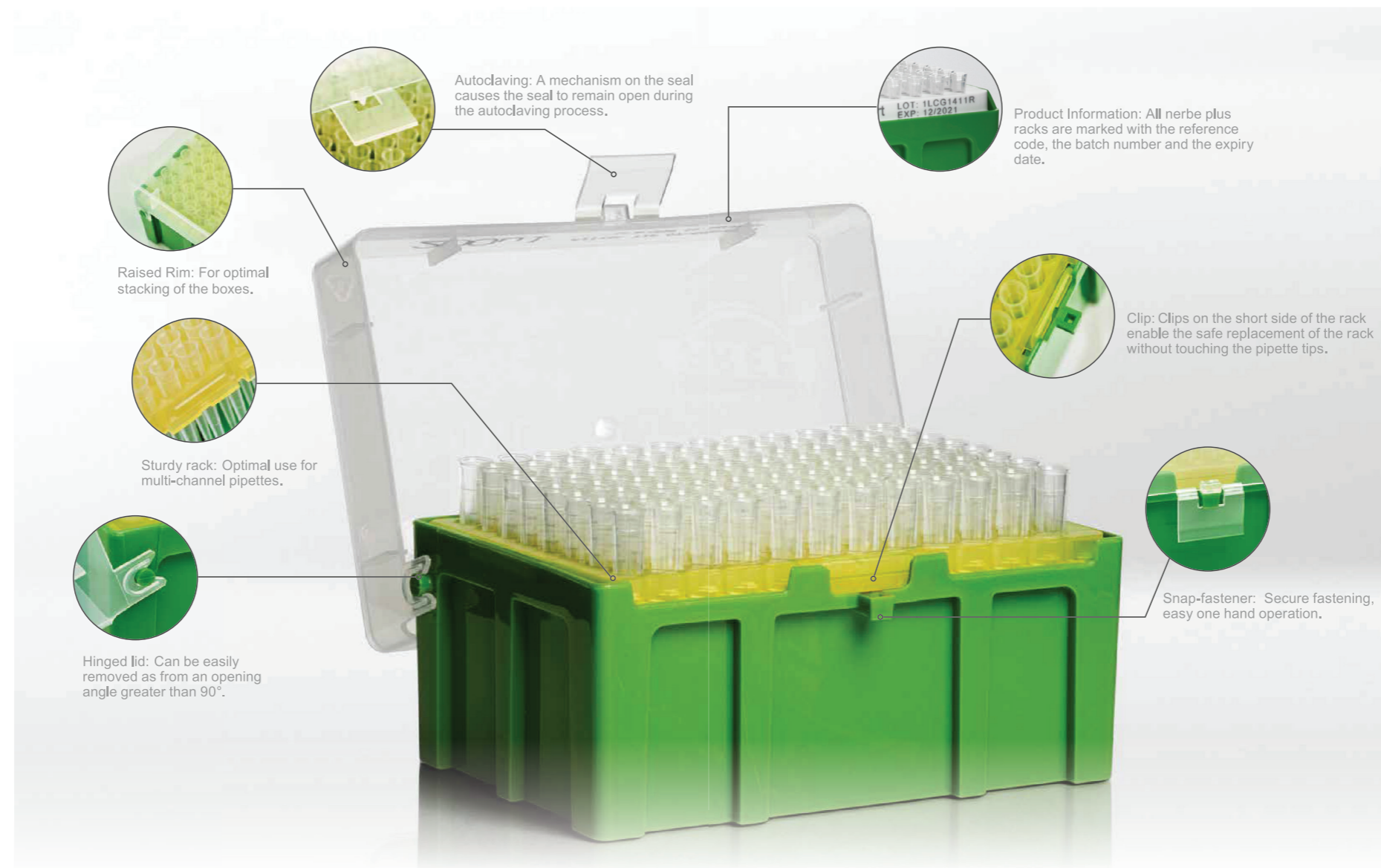
Perfect transparency for optimal sample visibility

Clearly visible, individual graduations for all filter tips

Sophisticated collar design allows easy loading and ejection

Compatible with multichannel applications

Optimised orifice



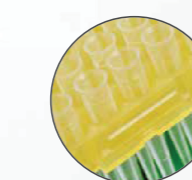
Raised Rim: For optimal stacking of the boxes.



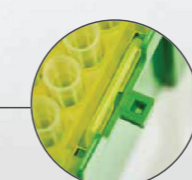
Autodaving: A mechanism on the seal causes the seal to remain open during the autoclaving process.



Product Information: All nerbe plus racks are marked with the reference code, the batch number and the expiry date.



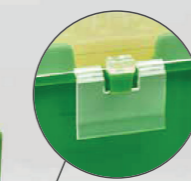
Sturdy rack: Optimal use for multi-channel pipettes.





Clip: Clips on the short side of the rack enable the safe replacement of the rack without touching the pipette tips.


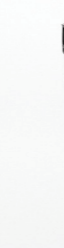

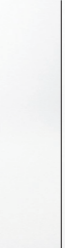




Hinged lid: Can be easily removed as from an opening angle greater than 90°.

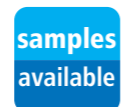


Snap-fastener: Secure fastening, easy one hand operation.

		Premium Surface Low Retention Filter Tips								
Tip Description and Volume Range μ l		0.1-10 μ l Short	0.1-10 μ l Super Slim	2-20 μ l	5-50 μ l	10-100 μ l	20-200 μ l	30-300 μ l	100-1000 μ l	100-1250 μ l
Coding and Certification (see page 3)		D,E,M,N,R	D,E,M,N,R	D,E,M,N,R	D,E,M,N,R	D,E,M,N,R	D,E,M,N,R	D,E,M,N,R	D,E,M,N,R	D,E,M,N,R
Alpha	alpha+ Variable Volume	0.2-2, 1-10	0.2-2, 1-10	2-20	5-50	5-50, 10-100	5-50, 10-100	5-50, 10-100, 20-200	100-1000	100-1000
	alpha+ Fixed Volume	10	10	20	20,25,40,50	20, 25, 40, 50, 100	20, 25, 40, 50, 100, 200		250, 500, 1000	250, 500, 1000
Sartorius Biohit	mLINE®		M10	M20	M100, M200	M100, M200	M100, M200	M100, M200	M1000	M1000
	Proline®	0.5-10, 2-20	0.5-10, 2-20		2-20, 5-50, 10-100, 20-200	2-20, 5-50, 10-100, 20-200	2-20, 5-50, 10-100, 20-200	2-20, 5-50, 10-100, 20-200	100-1000	100-1000
	Proline® Plus Picus®, Picus NXT®, Tacta	0.5-10, 2-20	0.5-10, 2-20	2-20					100-1000	100-1000
	eLINE®						5-120	5-120		
Brand	Transferpette®	0.5-10	0.5-10	2-20, 10-100, 20-200	20-200	20-200	20-200	20-200, 15-300	100-1000	100-1000
	Transferpette Electronic®	0.5-10	0.5-10	2-20, 10-100, 20-200	15-300	15-300	15-300	15-300		
CAPP	CAPPecopipette / Aero (singlechannel)	0.2-2, 1-10	0.2-2, 1-10	2-20	5-50	5-50, 10-100	5-50, 10-100	5-50, 10-100, 20-200	100-1000	100-1000
	CAPPelectronic / AERO multichannel	0.5-10, 2-20	0.5-10, 2-20		5-50	5-50, 10-100, 20-200	5-50, 10-100, 20-200	5-50, 10-100, 20-200	100-1000	100-1000
	CappBravo	0.2-2, 1-10	0.2-2, 1-10	2-20	5-50	5-50, 10-100	5-50, 10-100	5-50, 10-100, 20-200	100-1000	100-1000
Eppendorf	Reference	0.5-10	1-10	2-20, 10-100, 50-200	2-20, 10-100, 50-200	2-20, 10-100, 50-200	2-20, 10-100, 50-200	2-20, 10-100, 50-200	100-1000	100-1000
	Research	0.5-10	0.1-2.5, 0.5-10	2-20, 10-100, 50-200	2-20, 10-100, 50-200	2-20, 10-100, 50-200	2-20, 10-100, 50-200	2-20, 10-100, 50-200	100-1000	100-1000
	Research Plus	0.5-10	0.1-2.5, 0.5-10	2-20, 10-100	2-20, 10-100, 20-200, 30-300	2-20, 10-100, 20-200	2-20, 10-100, 20-200	2-20, 10-100, 20-200, 30-300	100-1000	100-1000
	Explorer & Explorer Plus	0.5-10	0.1-2.5, 0.5-10	2-20, 5-50, 20-200	20-200, 30-300	20-200, 30-300	20-200, 30-300	20-200, 30-300	100-1000	100-1000
Finnpipette	Electronic	1-10	1-10	30-300	30-300	30-300	30-300	30-300	100-1000	100-1000
	Digital, F1 & F2	0.5-10	0.5-10		5-50	5-50, 20-200	5-50, 20-200	5-50, 20-200, 30-300	100-1200	100-1200
	Focus	0.3-3, 0.5-5, 1-10 μ l	0.5-5, 1-10l						100-1000	100-1000
Gilson	Pipetman® Classic /G/L/M	P2, P2G, P2L, P2M, P10, P10G, P10L, P10M	P2, P2G, P2L, P2M, P10, P10G, P10L, P10M	P20, P20G, P20L, P20M	P200, P200G, P200L, P200M	P200, P200G, P200L, P200M	P200, P200G, P200L, P200M	P200, P200G, P200L, P200M		
	Pipetman Ultra®			U20	U200	U200	U200	U200		
Labnet	BioPette, BioPiette A, Labpette, ETM	0.1-2, 0.5-10	0.1-2, 0.5-10	2-20	2-20, 10-100, 20-200	2-20, 10-100, 20-200	2-20, 10-100, 20-200	2-20, 10-100, 20-200		
Labnet / HTL	Labpette Discovery Digital Pipette	0.2-2	0.2-2	2-20		10-100	20-200	20-200	100-1000	100-1000
Tips illustrated here are not to scale										
Racked Sterile	Cat. No.	06-602-5300	06-613-5300	06-622-5300	06-632-5300	06-642-5300	06-662-5300	06-672-5300	06-693-5300	06-695-5300
	Pack Size	10 x 96	10 x 96	10 x 96	10 x 96	10 x 96	10 x 96	10 x 96	6 x 96	6 x 96
Refill Pack Non-Sterile	Cat. No.									
	Pack Size									

		Premium Surface Low Retention Non-Filter Tips					
Tip Description and Volume Range μ l		0.1-10 μ l Short	2-20 μ l Super Slim	20-200 μ l	30-300 μ l	100-1000 μ l	100-1250 μ l
Coding and Certification (see page 3)		D,E,M,N,R	D,E,M,N,R	D,E,M,N,R	D,E,M,N,R	D,E,M,N,R	D,E,M,N,R
Alpha	alpha+ Variable Volume	0.2-2, 0.5-10	0.2-2, 0.5-10	2-20, 5-50, 10-100, 20-200	2-20, 5-50, 10-100, 20-200	100-1000	100-1000
	alpha+ Fixed Volume	10	10	20, 25, 40, 50, 100, 200		250, 500, 1000	250, 500, 1000
Sartorius Biohit	mLINE®		M10	M100, M200	M20, M100, M200	M1000	M1000
	Proline®	0.1-3, 0.5-10	0.1-3, 0.5-10	2-20, 10-100, 20-200	2-20, 5-50, 10-100, 20-200	100-1000	100-1000
	Proline® Plus Picus®, Picus NXT®, Tacta	0.1-3, 0.5-10, 0.2-10	0.1-3, 0.5-10	2-20, 10-100, 20-200, 5-120	2-20, 10-100, 20-200	100-1000	100-1000
	eLINE®			5-120	5-120		
Brand	Transferpette®	0.5-10	0.5-10	2-20, 10-100, 20-200	20-200, 15-300	100-1000	100-1000
	Transferpette Electronic®	0.5-10	0.5-10	2-20, 10-100, 20-200	15-300		
CAPP	CAPPecopipette / Aero (singlechannel)	0.2-2, 0.5-10	0.2-2, 0.5-10	2-20, 5-50, 10-100, 20-200	2-20, 5-50, 10-100, 20-200	100-1000	100-1000
	CAPPelectronic / AERO multichannel	0.5-10, 2-20	0.5-10, 2-20	5-50, 10-100, 20-200	5-50, 10-100, 20-200	100-1200	100-1200
	CappBravo	0.2-2, 0.5-10	0.2-2, 0.5-10	2-20, 5-50, 10-100, 20-200	2-20, 5-50, 10-100, 20-200	100-1000	100-1000
Eppendorf	Reference		1-10, 2-20	2-20, 10-100, 50-200	10-100, 50-200	100-1000	100-1000
	Research		0.1-2.5, 1-10	2-20, 10-100, 20-200	2-20, 10-100, 20-200, 30-300	100-1000	100-1000
	Research Plus	0.1-2.5, 0.5-10	0.1-2.5, 0.5-10	2-20, 10-100, 20-200	2-20, 10-100, 20-200, 30-300	100-1000	100-1000
	Explorer & Explorer Plus		0.5-10	10-100	2-20, 10-100, 20-200, 30-300	100-1000	100-1000
Finnpipette	Electronic	1-10	1-10	5-50, 20-200	5-50, 20-200, 30-300	100-1000	100-1000
	Digital, F1 & F2	1-10	1-10	5-50, 20-200	5-50, 20-200, 30-300	100-1000, 200-1000	100-1000, 200-1000
	Focus	0.3-3, 0.5-5, 1-10	0.5-5, 1-10		5-50, 30-300	100-1200	100-1200
Gilson	Pipetman® Classic /G/L/M	P2, P2G, P2L, P10, P10G, P10L, P10M	P2, P2G, P2L, P10, P10G, P10L, P10M	P20, P20G, P20L, P20, P20G, P20L, P20M, P200G, P200L, P200M	P20, P20G, P20L, P20M, P100, P100G, P100L, P100M, P200, P200G, P200L, P200M	P1000, P1000G, P1000L, P1000M	P1000, P1000G, P1000L, P1000M
	Pipetman Ultra®			U20, U200	U20, U100, U200		
Labnet	BioPette, BioPiette A, Labpette, ETM	0.1-2, 0.5-10	0.1-2, 0.5-10	2-20, 10-100, 20-200	2-20, 10-100, 20-200	100-1200	100-1200
Labnet / HTL	Labpette Discovery Digital Pipette	0.2-2	0.2-2	2-20, 10-100, 20-200	2-20, 10-100, 20-200		
Tips illustrated here are not to scale							
Racked Sterile	Cat. No.	06-360-2018	06-362-2018	06-365-2018	06-367-2018	06-368-2018	06-369-2018
	Pack Size	10 x 96	10 x 96	10 x 96	10 x 96	6 x 96	6 x 96
Refill Pack Non-Sterile	Cat. No.		06-372-2018	06-375-2018	06-377-2018		06-379-2018
	Pack Size		10 x 96	10 x 96	10 x 96		10 x 96

Sartorius (Biohit) Optifit Non-Filter Tips

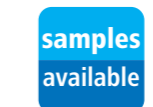


Sartorius tips have been developed to perfectly match Sartorius (Biohit) pipettes. By developing and producing both pipettes and tips, Sartorius is able to offer the best possible compatibility and pipetting results. Tip trays are colour-coded to match the volume identifier on Sartorius pipettes.

Volume Range μl	0.1-10 μl	0.1-10 μl Extended	0.5-200 μl	0.5-350 μl	10-1000 μl	50-1200 μl	50-1200 μl Extended	100-5000 μl	1.0-10ml
Tip I.D. (See Pipette range to verify tip fit)	A	B	C	D	E	H	Z	J	U
Tray Colour			Yellow	Orange	Blue	Purple	Purple	Green	Red
FlexiBulk Packs									
Racked tips									
Refill pack									
Refill tower									
FlexiBulk Packs Non-Sterile	Cat. No.		LH-B790204	LH-B790354	LH-B791004	LH-B791204			
	Pack Size		960	960	480	480			
Loose Non-Sterile	Cat. No.	790014						780300/780308	780310/780316
	Pack Size	1000						100/1000	100/250
Racked Non-Sterile	Cat. No.	790010	783210	790200	790350	791000	791200	791210	780304
	Pack Size	10 x 96	10 x 96	10 x 96	10 x 96	10 x 96	10 x 96	10 x 96	50
Racked Sterile	Cat. No.	790011	783211	790201	790351	791001	791201	791211	780305
	Pack Size	10 x 96	10 x 96	10 x 96	10 x 96	10 x 96	10 x 96	10 x 96	50
Refill Pack Non-Sterile	Cat. No.	790013				791002	791202	791212	
	Pack Size	20 x 96				10 x 96	10 x 96	10 x 96	
Refill Pack Sterile	Cat. No.			790203	790353	791003	791203	791213	
	Pack Size			15 x 96	15 x 96	10 x 96	10 x 96	10 x 96	
Refill Tower Non-Sterile	Cat. No.	790012		790202	790352				
	Pack Size	10 x 96		10 x 96	10 x 96				

All tips illustrated are actual size apart from 780300 and 780316 which are 85% actual size

Sartorius (Biohit) Filter Tips



Sartorius filter tips are manufactured to perfectly match Sartorius (Biohit) pipettes. As a result, you have the assurance of an excellent fit and seal, giving the best possible performance.

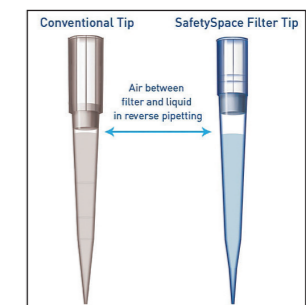
Sartorius (Biohit) SafetySpace™ Filter Tips

These tips have been designed to leave a larger than normal air space between the sample and the filter. This avoids the problem of the sample coming into contact with the filter and is particularly useful in the following applications which require an extra volume in the tip:

- Pipetting foaming liquids such as buffers and proteins
- Pipetting solvents
- Multiple dispensing functions of electronic pipettes
- Reverse pipetting

Sartorius (Biohit) Standard Filter Tips

This is a small selection of tips from the original Biohit filter tip range with a standard air space between the sample and the filter. These tips have been retained for speciality applications.



Volume Range μl	SafetySpace™ Filter Tips								
	0.1-10 μl	0.1-10 μl	0.5-20 μl	2-120 μl	5-200 μl	5-300 μl	50-1000 μl	50-1200 μl	
Tip I.D. (See Pipette range to verify tip fit)	L	M	N	O	P	Q	S	T	
Tray Colour			Yellow	Yellow	Yellow	Orange	Blue	Purple	
SafetySpace™									
Racked Sterile	Cat. No.	790011F	783201	790021F	790101F	790201F	790301F	791001F	791211F
	Pack Size	10 x 96	10 x 96	10 x 96	10 x 96	10 x 96	10 x 96	10 x 96	10 x 96

All tips illustrated are actual size unless otherwise stated

Sartorius (Biohit) SafetySpace™ Filter Tips 10-1200 μl

Other Popular Tips

Tip Description and Volume Range μ l		Low Retention						1-50 μ l Filter
		0.1-10 μ l Micro Low Retention	0.5-10 μ l Extended Low Retention	1-200 μ l Low Retention	1-300 μ l Low Retention	100-1250 μ l Low Retention	0.1-10 μ l Filter Reference	
Coding and Certification (see page 3)		Ds,E,N	E,N	E,G,N	E,G,N	E,G,N	D,E,G,M,N,R	D,E,M,R
Pipette Make	Model							
alpha+	Variable Volume	0.1-2.5, 0.5-10	0.1-2.5, 0.5-10	2-20, 5-50, 10-100, 20-200	2-20, 5-50, 10-100, 20-200	100-1000	0.1-2.5, 0.5-10	1-50
	Fixed Volume	2.5, 5, 10	2.5, 5, 10	20, 25, 40, 50, 100, 200	20, 25, 40, 50, 100, 200	250, 500, 1000	2.5, 5, 10	50
	Multi Channel	0.5-10	0.5-10	5-50, 10-100, 20-200	5-50, 10-100, 20-200, 30-300		0.5-10	
Sartorius (Biohit)	Picus®/Nt Single Channel						0.2-10	
	Picus®/Nt Multi Channel						0.2-10	
	eLINE®							
	Tacta/mLINE/Proline+	0.1-3, 0.5-10	0.1-3, 0.5-10	2-20, 10-100, 20-200 (5-100 M/C)	2-20, 10-100, 20-200 (M/C 5-100 30-300)	100-1000		
Eppendorf®	Proline® ¹	0.1-2.5, 0.5-10	0.1-2.5, 0.5-10	2-20, 5-50, 10-100, 20-200 (5-50 M/C)	2-20, 5-50, 10-100, 20-200 (M/C 5-50, 50-300)	100-1000		5-50
	Electronic Reference	0.1-2.5, 0.5-10	0.1-2.5, 0.5-10, 2-20 micro	2-20, 10-100, 50-200	2-20, 10-100, 50-200		0.5-10, 2-20	
	Research Pro							5-100
	Research Plus	0.1-2.5, 0.5-10	0.1-2.5, 0.5-10, 2-20 micro	2-20, 10-100, 20-200 (M/C 10-100)	2-20, 10-100, 20-200 (M/C 10-100, 30-300)	100-1000		2-20
Gilson	Pipetman						P2, 10	
	Pipetman Ultra						U2, 10	
	Pipetman Classic, G,L	0.2-2, 1-10	0.2-2, 1-10	2-20, 20-100, 50-200	2-20, 20-100, 50-200	100-1000		
Rainin®	EDP3							
	EDP1							
	Pipet Lite SL	0.1-2, 0.5-10						
	Classic							
Thermo Electron Finnpipette™	Digital							5-50
	Focus						1-10 (micro)	5-50
	Biocontrol							5-50
	Novus							
Tip Fit	Finnpipette 4500	0.2-2, micro, 0.5-5, micro	0.2-2, micro, 0.5-5, micro	0.5-5, 2-20, 5-50, 10-100, 20-200, (M/C 5-50)	0.5-5, 2-20, 5-50, 10-100, 20-200, (M/C 5-50, 50-300)	100-1000		
	We have indicated the tip compatibility with popular brands and models of pipette. Manufacturers can however change their pipette specifications without our knowledge, so it is always best to ask for samples and check tip fit with your particular pipettes. Likewise, if your pipette is not shown in the tip fit tables, please request samples or contact us for advice.							
	Please note that the tip's maximum volume must not be exceeded, regardless of the volume range of your pipette.							
	All tips illustrated are actual size unless otherwise stated							
	Filter Tips available		Filter Tips available		Filter Tips available		Filter Tips available	
	Cat. No. LP010N		Cat. No. LP010XLN		Cat. No. LP200N		Cat. No. LP1250N	
	Pack Size 1000		Pack Size 1000		Pack Size 1000		Pack Size 1000	
Racked Non-Sterile	Cat. No.			LP300NR				
	Pack Size			10 x 96				
Racked Sterile	Cat. No.					LP010NFRS	LW1065	
	Pack Size					10 x 96	10 x 96	

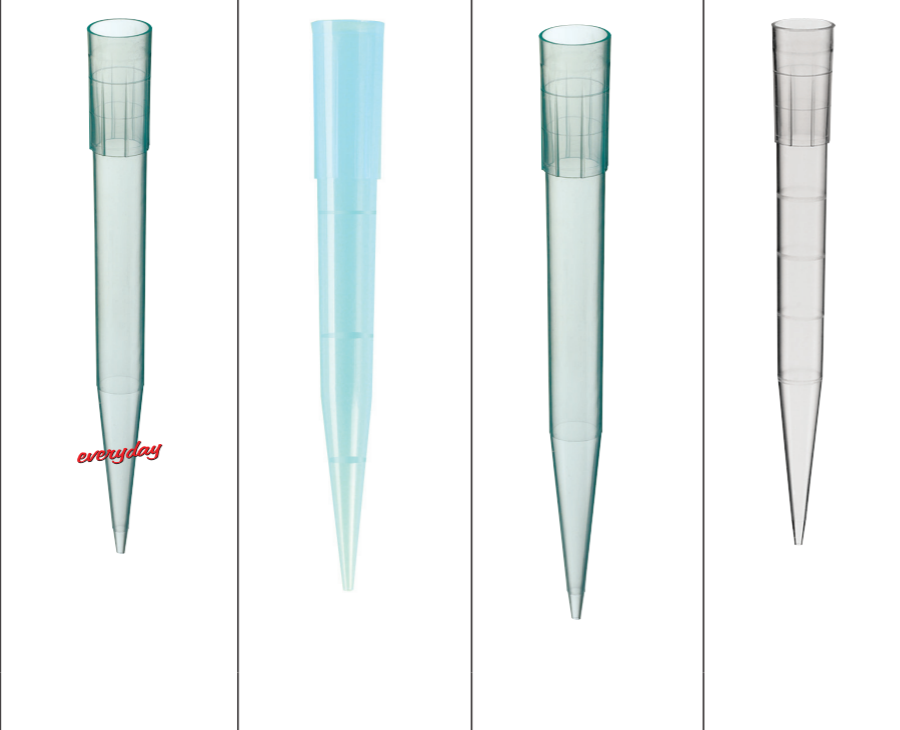
1. Also labelled as Jencons Sealpette and as Genex.

Tip Description and Volume Range μ l		Non-Filter				
		0.1-10 μ l Micro Ultrafine	1-200 μ l 'Everyday' Bevel	1-200 μ l Bevel	1-200 μ l Reference Bevel	1-200 μ l Bevel
Coding and Certification (see page 3)		D,E,G,M,R		D,E,M,R	D,E,G,M,R	Ds,E,G
Pipette Make	Model	Pipette Volume Range μ l				
alpha+	Variable Volume	0.1-2.5, 0.5-10	2-20, 5-50, 10-100, 20-200	2-20, 5-50, 10-100, 20-200	2-20, 5-50, 10-100, 20-200	2-20, 5-50, 10-100, 20-200
	Fixed Volume	2.5, 5, 10	20, 25, 40, 50, 100, 200	20, 25, 40, 50, 100, 200	20, 25, 40, 50, 100, 200	20, 25, 40, 50, 100, 200
	Multi Channel	0.5-10		5-50, 10-100, 20-200	5-50, 10-100, 20-200	5-50, 10-100, 20-200, 30-300
Sartorius (Biohit)	Picus®/Nt Single Channel	0.2-10	5-120, 10-300	5-120, 10-300	5-120, 10-300	
	Picus®/Nt Multi Channel	0.2-10	5-120, 10-300	5-120, 10-300	5-120, 10-300	
	eLINE®	0.2-10	5-120	5-120	5-120	
	Tacta/mLINE/Proline+	0.5-10	20-200	20-200	20-200	2-20, 10-100, 20-200 (5-100 M/C)
	Proline® ¹		2-200	2-200	2-20	2-20, 5-50, 10-100, 20-200 (5-50 M/C)
Eppendorf®	Electronic Reference	0.5-10	5-100, 20-200	5-100, 20-200	5-100, 20-200	
	Research Pro	0.1-2.5, 0.5-10	2-200	2-200	2-200	2-20, 10-100, 50-200
	Research Plus	0.1-2.5, 0.5-10	2-200	2-200	2-200	
	Research Plus	0.5-10	2-20, 10-100, 20-200, (M/C 10-100)	2-20, 10-100, 20-200, (M/C 10-100)	2-20, 10-100, 20-200, (M/C 10-100)	2-20, 10-100, 20-200 (M/C 10-100)
Gilson	Pipetman	P2, 10	P20, 100, 200	P20, 100, 200	P20, 100, 200	
	Pipetman Ultra	U2, 10	U20, 100, 200	U20, 100, 200	U20, 100, 200	
	Pipetman Classic, G,L	0.2-2, 1-10	2-20, 10-200, 20-200, 50-200, (M/C 1-20, 20-200)	2-20, 10-200, 20-200, 50-200, (M/C 1-20, 20-200)	2-20, 10-200, 20-200, 50-200, (M/C 1-20, 20-200)	2-20, 20-100, 50-200
Rainin®	EDP3		2-200	2-200	2-200	
	EDP1		2-200	2-200	2-200	
	Pipet Lite SL	0.1-2, 0.5-10	2-20, 10-100, 20-200	2-20, 10-100, 20-200	2-20, 10-100, 20-200	2-20, 10-100, 20-200
	Classic					
Thermo Electron Finnpipette™	Digital	0.2-10, 0.5-10	2-200	2-200	2-200	
	Focus	0.3-10	1-100	1-100	1-100	
	Biocontrol	0.5-10	5-200	5-200	5-200	
	Novus	1-10	1-100	1-100	1-100	
	Finnpipette 4500					0.5-5, 2-20, 5-50, 10-100, 20-200, (M/C 5-50)
Tip Coding and Certification Key available - see page 3						
samples available						
autoclavable						
Fastrak® tip refill available - see pages 6-7						
All tips illustrated are actual size unless otherwise stated						
Filter Tips available		Filter Tips available				
Fastrak® available		Fastrak® available				
Loose Non-Sterile	Cat. No.	LW1154	ED0200	LW6361	LW6391	LP200BVB
	Pack Size	1000	1000	1000	1000	1000
Racked Non-Sterile	Cat. No.	LW1126		LW6360		LP200BVR
	Pack Size	12 x 96		10 x 96		10 x 96
Racked Sterile	Cat. No.	LW1136		LW6365S	LW6393S	LP200BVR
	Pack Size	12 x 96		10 x 96	10 x 96	10 x 96

1. Also labelled as Jencons Sealpette and as Genex.

Tip Description and Volume Range μ l		100-1000 μ l 'Everyday' Ultrafine	100-1000 μ l	100-1000 μ l Ultrafine	100-1000 μ l Reference Ultrafine
Coding and Certification (see page 3)			E,G	D,E,M,R	D,E,M,R
Pipette Make	Model	Pipette Volume Range μ l			
alpha+	Variable Volume	100-1000	100-1000	100-1000	100-1000
	Fixed Volume	250, 500, 1000	250, 500, 1000	250, 500, 1000	250, 500, 1000
	Multi Channel			100-1000	100-1000
Sartorius (Biohit)	Picus®/Picus®NxT Single Channel	50-1000		50-1000	50-1000
	Picus®/Picus®NxT Multi Channel				
	eLINE®	50-1000		50-1000	50-1000
	Tacta/mLINE®/Proline Plus®	100-1000	100-1000	100-1000	100-1000
	Proline®1		100-1000		
Eppendorf®	Electronic				
	Reference	100-1000		100-1000	100-1000
	Research Pro	50-1000		50-1000	50-1000
	Research	100-1000		100-1000	100-1000
	Research Plus	M/C 30-300	100-1000	100-1000	100-1000
Gilson	Pipetman	P1000		P1000	P1000
	Pipetman Ultra	U1000		U1000	U1000
	Pipetman Classic,G,L	20-1000	200-1000	20-1000	20-1000
Rainin®	EDP3	100-1000		100-1000	100-1000
	EDP1	100-1000		100-1000	100-1000
	Pipet Lite SL	100-1000	100-1000	100-1000	100-1000
	Classic				
Thermo Electron Finnpiptette™	Digital				
	Focus	100-1000		100-1000	100-1000
	Biocontrol				
	Novus	100-1000		100-1000	100-1000
	Finnpiptette 4500		100-1000		

Tip Coding and Certification
Key available - see page 3



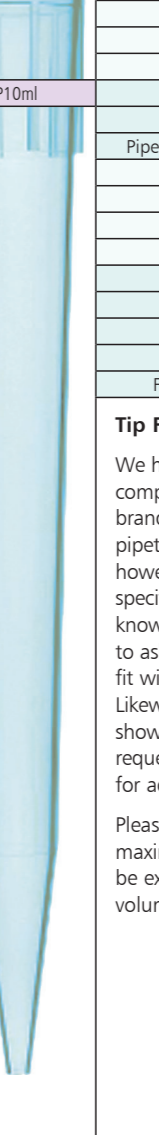
Fastrak® tip refill available - see pages 6-7

All tips illustrated are actual size unless otherwise stated

Loose Non-Sterile	Cat. No.	ED1000	LP1000B	LW6471	LW6481
Pack Size		1000	1000	1000	1000
Racked Non-Sterile	Cat. No.			LW6470	
Pack Size				6 x 96	
Racked Sterile	Cat. No.			LW6475S	
Pack Size				6 x 96	

1. Also labelled as Jencons Sealpette and as Genex.

1000-5000 μ l Finnpiptette	1000-5000 μ l Gilson Reference	1000-5000 μ l Eppendorf Sartorius	1000-10,000 μ l Universal Reference	1000-10,000 μ l Gilson Reference	Tip Description and Volume Range μ l	
M,R	D,E,G,R	D,E,G,R	D,E,G,R	Ds,E	Coding and Certification (see page 3)	
Pipette Volume Range μ l					Model	Pipette Make
		500-5000		1000-10,000	Variable Volume	alpha+
		2000, 5000		10,000	Fixed Volume	
					Multi Channel	
		100-5000			Picus®/NxT Single Channel	Sartorius (Biohit)
					Picus®/NxT Multi Channel	
					eLINE®	
		100-5000			Tacta/mLINE®/Proline+	Eppendorf®
		500-5000	1000-10,000		Proline®1	
		1000-5000			Electronic	
					Reference	Eppendorf®
		100-5000			Research Pro	
		500-5000	1000-10,000		Research	
					Research Plus	Gilson
					Pipetman	
		P5000	P10ml	P10ml	Pipetman Ultra	
		U5000			Pipetman Classic,G,L	
					EDP3	Rainin®
					EDP1	
					Pipet Lite SL	
					Classic	Thermo Electron Finnpiptette™
					Digital	
					Focus	
					Biocontrol	Thermo Electron Finnpiptette™
					Novus	
					Finnpiptette 4500	



LW1062	LW1127	LW7829	LW7833	LP10000B	Cat. No.	Loose Non-Sterile
250	250	250	2 x 100	200	Pack Size	
	LW1129 / LW1122				Cat. No.	Racked Non-Sterile
	2 x 50 / 10 x 50				Pack Size	
	LW1128	LW7828	LW7835		Cat. No.	Racked Sterile
	2 x 50	2 x 50	2 x 25		Pack Size	




Tip Fit
We have indicated the tip compatibility with popular brands and models of pipette. Manufacturers can however change their pipette specifications without our knowledge, so it is always best to ask for samples and check tip fit with your particular pipettes. Likewise, if your pipette is not shown in the tip fit tables, please request samples or contact us for advice.
Please note that the tip's maximum volume must not be exceeded, regardless of the volume range of your pipette.

All tips illustrated are actual size unless otherwise stated

Non-Filter Pipette Tips 1000 μ l-10ml

Non-Filter 1000 μ l-10ml

1000-5000µl Aerogard® Gilson Reference	1000-5000µl Aerogard® Sartorius/ Eppendorf Ref.	1000-10,000µl Aerogard® Universal Reference	Tip Description and Volume Range µl	
D,E,G,R	D,E,G,R	D,E,G,R	Coding and Certification (see page 3)	
Pipette Volume Range µl			Model	Pipette Make
	500-5000		Variable Volume	alpha+
	2000, 5000		Fixed Volume	
			Multi Channel	
	100-5000	500-10,000	Picus®/Picus®Nxt Single Channel	Sartorius (Biohit)
			Picus®/Picus®Nxt Multi Channel	
	100-5000		eLINE®	Sartorius (Biohit)
	500-5000	1000-10,000	Tacta/mLINE®/Proline Plus®	
	1000-5000		Proline® 1	Eppendorf®
			Electronic Reference	
	100-5000	1000-10,000	Research Pro	Eppendorf®
	500-5000		Research Plus	
P5000		P10ml	Pipetman	Gilson
U5000		U10ml	Pipetman Ultra	
			Pipetman Classic,G,L	Rainin®
			EDP3	
			EDP1	
			Pipet Lite SL	Thermo Electron Finnpipette™
			Classic	
			Digital	
			Focus	
			Biocontrol	
			Novus	Finnpipette 4500
			Finnpipette 4500	






Tip Fit
M/C = Multichannel

We have indicated the tip compatibility with popular brands and models of pipette. Manufacturers can however change their pipette specifications without our knowledge, so it is always best to ask for samples and check tip fit with your particular pipettes. Likewise, if your pipette is not shown in the tip fit tables, please request samples or contact us for advice.

Please note that the tip's maximum volume must not be exceeded, regardless of the volume range of your pipette.

All tips illustrated are actual size apart from LW7836 which is 80% actual size

LW1124	LW7832	LW7836	Cat. No.	 S	Racked Sterile
2 x 50	2 x 50	2 x 25	Pack Size		

Aerogard™ Filter Tips 1000µl-10ml



A Greener Scheme
The LaboraTree scheme now requires half the amount of tokens, making collection even easier and greener. Tokens can be found on each Fastrak and ZAP box, simply peel off and place straight onto your collector's card.

www.alphalabs.co.uk/trees







Look out for these tokens on your next Tips order!



At Alpha Laboratories we are proud to have achieved and maintained the international environmental management standard certification BS EN ISO 14001 : 2015.

We are dedicated to continuously improving our environmental performance and waste reduction without compromising on service.

But we go beyond that, building into our business ways to help you and your laboratory become greener too...

- Fastrak® - the most eco-friendly tip refill system
- LaboraTree tree planting programme - regenerating UK woodlands
- Free plastic recycling scheme



Find out more at our website



Robotic Tips

Tips for automated workstations are subject to stricter tolerances than standard pipette tips. Alpha robotic tips are engineered to the exact specification of the instruments for which they are designed.

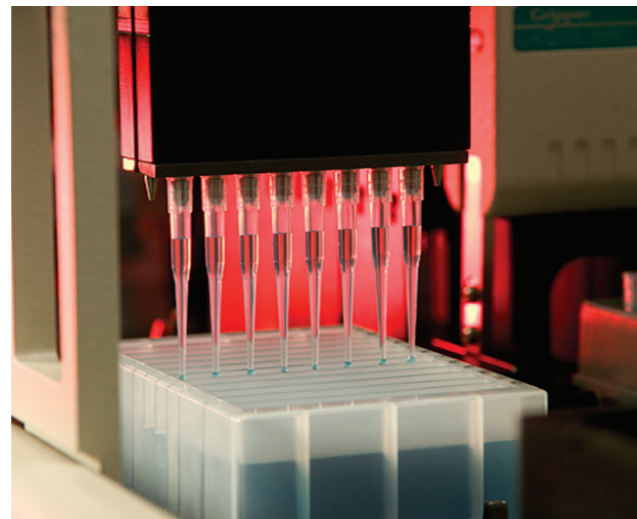
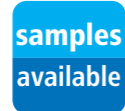
They are manufactured from medical grade, virgin polypropylene and undergo rigorous QC testing to assure you of the highest levels of purity and performance.

Our extensive range covers numerous instruments and tip formats. Some products are ex-stock while others are custom-made.

To ensure you make the right choice for your application and that we provide efficient supply, please contact us for samples and to discuss your requirements.

Robotic Tips for Beckman Biomek®/Multimek™ Workstations

This range has been developed for the Biomek® and Multimek™ workstations fitted with the AP96 liquid handling head. Superior polished moulds result in flash-free tips with minimal liquid retention. They are lot tested on the original manufacturer's instruments and are designed to require no hardware or software adjustments prior to use.



Tips for each robot are available in 3 different volumes in sterile or non-sterile racks. In most cases, we also offer a filter version for added sample and instrument protection.

All tips are certified free of DNase, RNase, human DNA and PCR inhibitors. Sterile tips are also certified free of pyrogens.

For Biomek® FX, NX, 3000 and Multimek 96 Workstations

Tip Volume	Image	Software Designation	Racked Non-Sterile
20µl		AP96 Head 10	Cat. No. LW1501R Pack Size 10 x 96
50µl		AP96 Head 10	Cat. No. LW1548R Pack Size 10 x 96
250µl		AP96 Head 10	Cat. No. LW1504R Pack Size 10 x 96

All tips illustrated are actual size unless otherwise stated

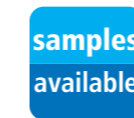
Robotic Tips for Tecan/Corbett Qiagen/Perkin Elmer Workstations

These tips easily dispense small volumes with very high precision. Both conductive (black) and non-conductive (natural) options are available.

The conductive tips are manufactured using a composite of conductive carbon black and polypropylene which carries liquid-level sensing properties.

Minimal immersion is guaranteed as the tip filling height is recognised by the system.

This ensures greater accuracy during aspirating and dispensing steps.



For Tecan Genesis®, Freedom EVO®, MiniPrep®, Cavro® workstations and PerkinElmer/Packard MultiPROBE® II HT, MultiPROBE® II HT EX workstation

Tip Volume	Image	Racked Non-Sterile	Racked Filter Sterile
200µl		Cat. No. RT1586R Pack Size 10 x 96	
200µl		Cat. No. RT1589R Pack Size 10 x 96	RT1592RS-BU 12 x 2 x 96
1000µl		Cat. No. RT1593R Pack Size 10 x 96	
1000µl		Cat. No. RT1596R Pack Size 10 x 96	RT1599RS-BU 12 x 2 x 96

All tips illustrated are actual size unless otherwise stated

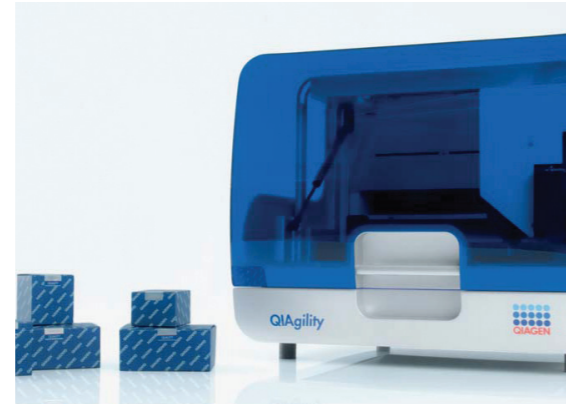
**Robotic Tips for
Qiagen Workstations**

These tips are designed for the following workstations:

Qiagen Biorobots: Model 3000 • Model 8000
Model 9600 • Model 9604 • Rosys • Colibri

QIAgility (formerly Corbett CAS-1200)

We offer a full range of conductive tips including non-sterile, sterile and filtered. Non-conductive tips other than the 1100µl filter tip are available on request.



samples
available



STERILE

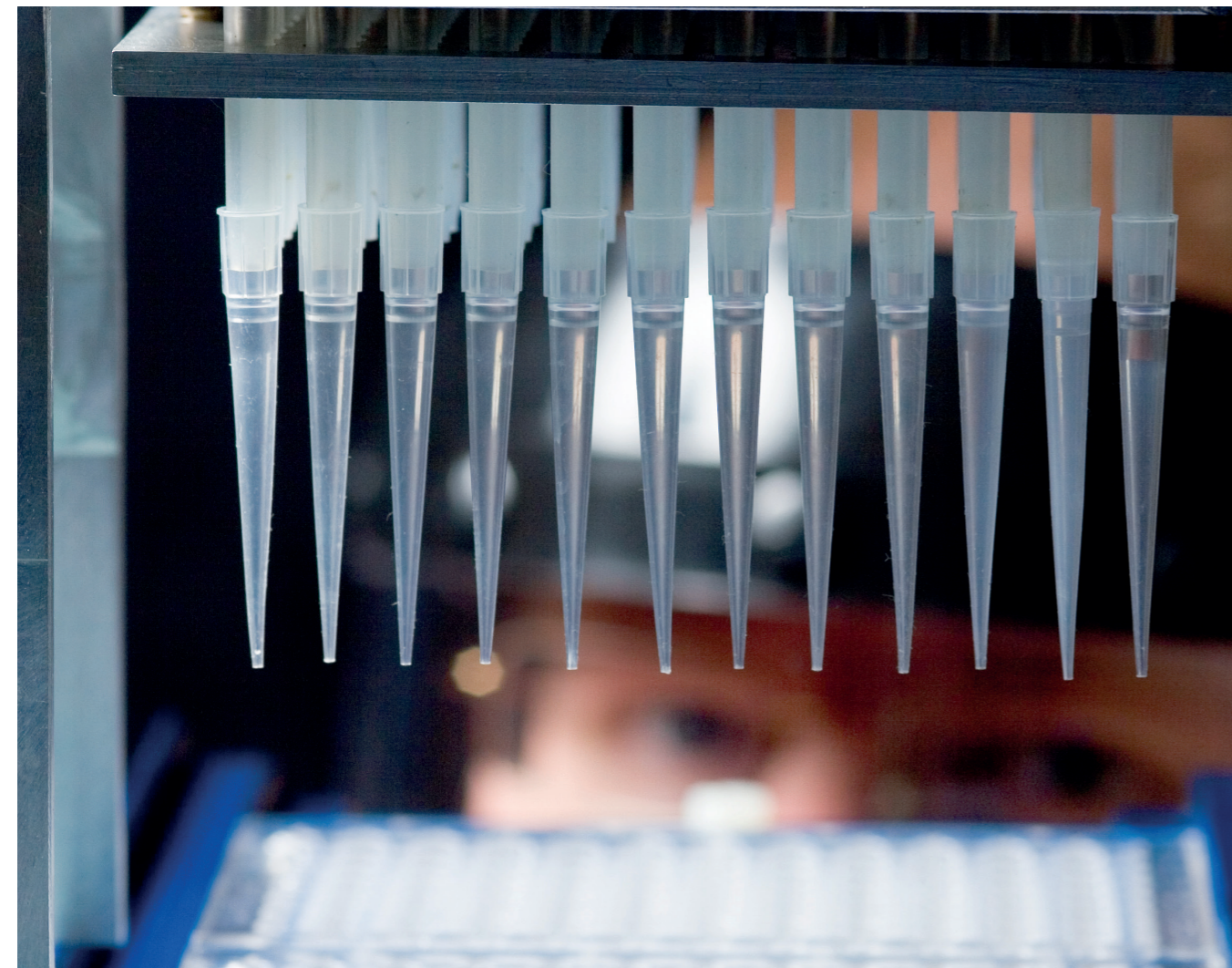


NON-STERILE

For Qiagen Biorobots 3000, 8000, 9600, 9604, Rosys and Colibri Workstations

Tip Volume			Racked Non-Sterile	Racked Filter Sterile
300µl		Cat. No.	RT1552R	RT1555RS-BU
		Pack Size	10 x 96	12 x 2 x 96
1100µl		Cat. No.	RT1553R	RT1557RS-BU
		Pack Size	10 x 96	12 x 2 x 96

All tips illustrated are actual size unless otherwise stated



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Customer Account Number

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