

Tips for All Applications

Alpha Laboratories has an extensive range of pipette tips for both routine and specialist applications. As part of an ongoing development programme, we continually improve our range to meet customer demands.

Alpha Tips

Alpha pipette tips are manufactured from medical grade polypropylene in modern production facilities with stringent quality controls at every stage. Where appropriate, certificates are available for tips to show they are sterile, free from DNase, RNase, endotoxins and DNA. This means that you can protect your samples with the assurance of quality and reliability right to the last tip in the box. Tip fit is tested on all the major pipette brands and details are shown for each tip on the relevant catalogue page or on our web site, www.alphalabs.co.uk

Non-Filter Tips

We have non-filter tips in a variety of formats including loose, racked and our leading eco-friendly tip refill system, *Fastrak*®. Sizes cover the complete volume range from 0.1µl to 10ml. For those looking to maximise their budgets, our popular '*Everyday*' tips offer superb quality and value for money. They are made from the same moulds as other tips in our range but without certification.

Filter Tips

There are 2 Alpha filter tip ranges and both are certified to be free of RNase, DNase, DNA, Pyrogens, ATP and trace metals.

1. **ZAP™ Premier:** These tips provide ultimate protection of your pipette from both aerosols and fluid contamination. The pores in this filter are very small (~10µm) so that in the event of over-pipetting, the filter blocks the overdrawn fluid but does not absorb it so the sample can be completely dispensed. Tips are autoclavable and sterilised by gamma radiation.
2. **Aerogard®:** This comprehensive range has a wide choice of tip formats to fit the majority of pipettes. It provides excellent protection of your samples and instruments from carry-over and cross-contamination. Aerogard® tips are perfect for PCR, radioisotope work and handling viruses and serological samples. They are sterilised by gamma radiation. Tips are autoclavable.

Most Aerogard® tips in this catalogue are also made with low retention resin which broadens their use to viscous liquids and low volumes.

Low Retention Tips

These have an ultra-smooth surface that reduces the amount of sample retained by the tip. They are perfect for dispensing viscous solutions, precious samples or very small volumes.

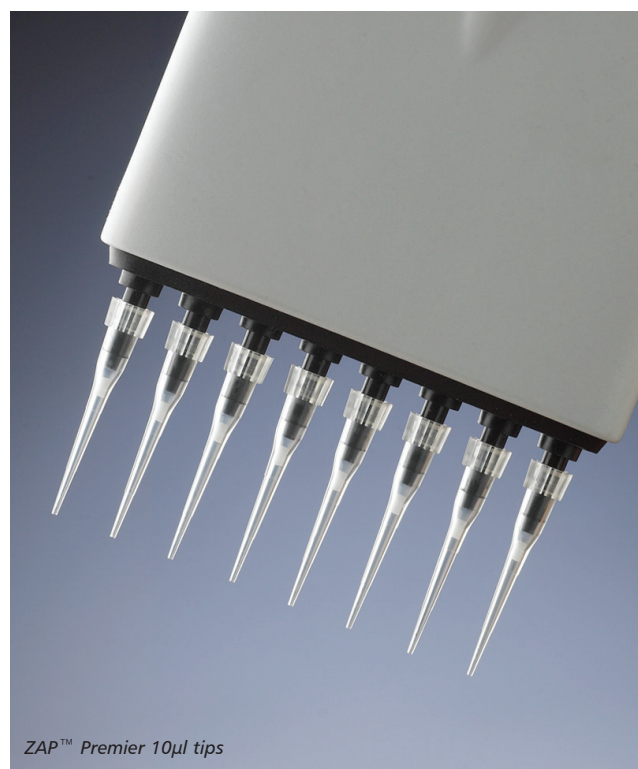
Gel-Loading Speciality Tips

Gel loading tips offer an ideal solution for gel electrophoresis. Their narrow delivery orifice dispenses the complete sample to the bottom of the Well, resulting in high quality data.

We have round or flat tips with a choice of widths:

- Round tips (o.d: 0.57mm) are used for loading gels such as SDS PAGE.
- Flat tips (o.d: 0.17 and 0.37mm) are used for sequencing gels

Some tips are available with additional features such as extended length for access to the bottom of narrow vessels and gel Wells. Others have filters for pipette protection.



ZAP™ Premier 10µl tips

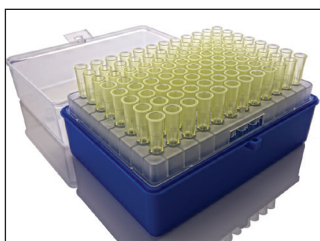
Packaging Formats

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.



Racked

Tips are pre-racked and are available in **non-sterile** and **sterile** options. Most non-sterile tips are autoclavable – see individual tip pages for details. Sterile tips have been treated with e-beam or gamma radiation and each rack is individually wrapped and sealed.



Fastrak® Refill System

Fastrak® is a unique, eco-friendly system for rapid refilling of racks with minimal packaging and waste. See page 38-39 for details.

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 μ l		Non-Filter
		0.1-10 μ l Micro Ultrafine
Coding and Certification (see page 33)		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
	Picus®/Picus®N&T Single Channel	0.2-10
	Picus®/Picus®N&T Multi Channel	0.2-10
Sartorius (Biohit)	mLINE®/Proline Plus®	0.5-10
	Proline® 1	
	Electronic	0.5-10
	Reference	0.1-2.5, 0.5-10
Eppendorf®	Research Pro	0.5-10
	Research	0.1-2.5, 0.5-10
	Research Plus	0.5-10
Gilson	Pipetman	P2, 10
	Pipetman Ultra	U2, 10
	Pipetman Classic,G,L	0.2-2, 1-10
Rainin®	EDP3	
	EDP1	
	Pipet Lite SL	0.1-2, 0.5-10
Loose Non-Sterile		Pack Size 1000 Price/Pack £16.20 Cat. No. LW1126
Racked Non-Sterile		Pack Size 12 x 96 Price/Pack £45.80 Cat. No. LW1136
Racked Sterile		Pack Size 12 x 96 Price/Pack £51.50

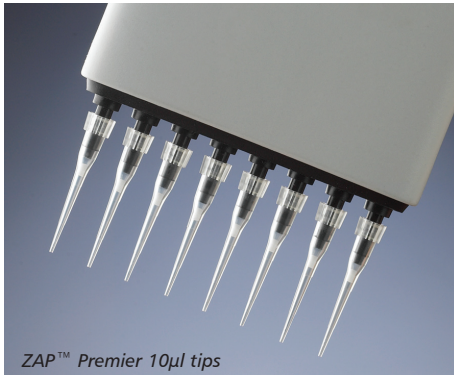
Tip and Colour Coding for Easy Identification

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

White	10 μ l tip
Yellow	200 μ l tip
Blue	1000 μ l 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

Pipette Tips



ZAP™ Premier 10µl tips

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

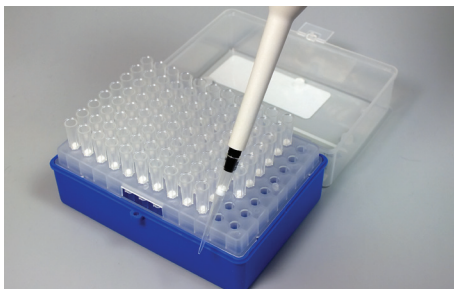
ZAP™ Premier filter tips feature a unique 10µm pore size filter. These pores are 100% smaller than those in most other filter tips and effectively trap aerosols containing DNA, radionucleotides and other contaminants, preventing them from entering the barrel of the pipette and keeping it clean.









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

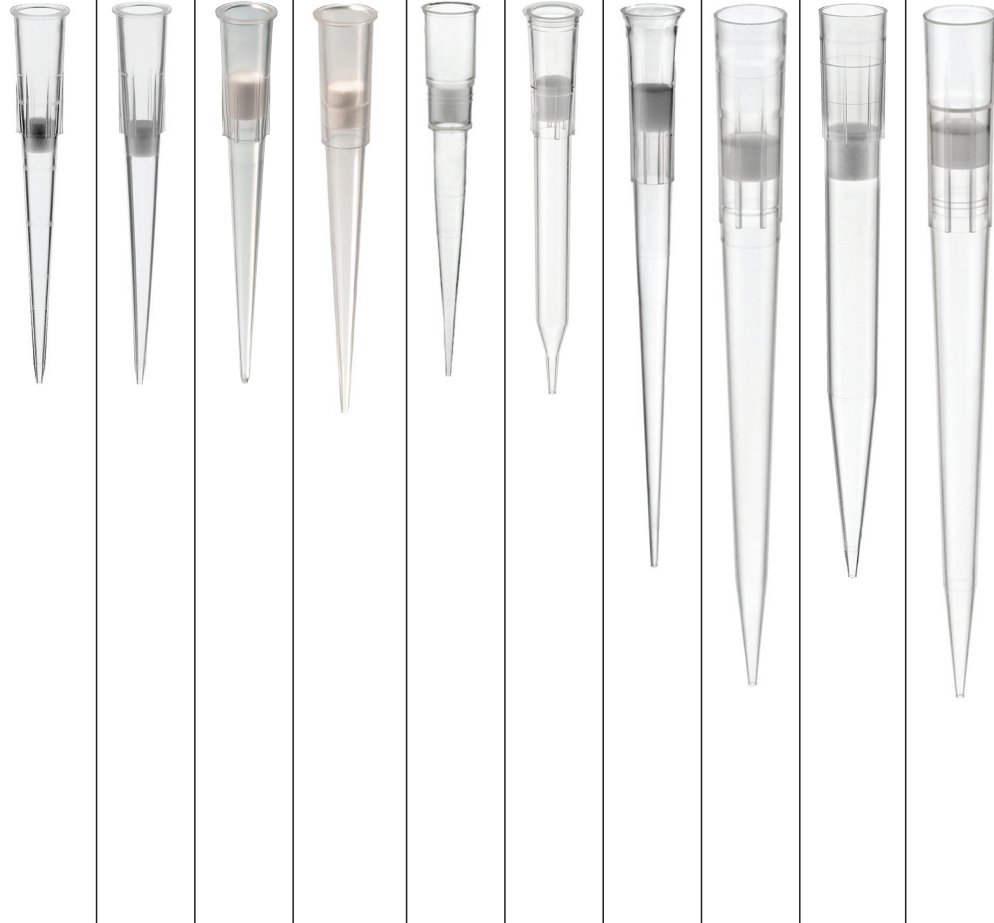
ZAP™ Premier filter tips are sensibly priced to take account of restricted budgets and what's more, due to the high density of the filter, ZAP™ Premier filter tips are autoclavable. That means, if you don't use the entire box of tips, they need not be wasted. You can sterilise them again and the filters 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 33)		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®/NXT Single Channel	0.2-10	0.2-10		5-120	5-120, 10-300	5-120, 10-300
	Picus®/NXT 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	0.1-2.5, 0.5-10	0.1-2.5, 0.5-10		2-20	10-100	10-100
	Research Plus	0.5-10	0.5-10		2-20	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 33		 					
							
<i>All tips illustrated are actual size unless otherwise stated</i>							
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

*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 33)	
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	10-300	10-300		10-300	10-300				Picus®/Nxt Single Channel	Sartorius (Biohit)
5-120, 10-300	5-120, 10-300	10-300	10-300		10-300	10-300				Picus®/Nxt Single Channel	
		5-120					50-1000	50-1000		eLINE®	
10-100	10-100, 20-200(SC)		20-200		20-200					Tacta	Eppendorf®
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	Gilson
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 Plus	
10-100	10-100		20-200 (Not M/C)		20-200	20-200	100-1000	100-1000		Research Plus	Rainin®
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	
20-100	20-100		20-200		50-200	50-200	200-1000	200-1000		Pipetman Classic, G,L	Thermo Electron Finnpipette™
			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	
10-100	10-100		20-200	10-100, 20-200	20-200	20-300	100-1000	100-1000	100-1000	Pipet Lite SL	Finnpipette™
										Classic	
		20-200					100-1000	100-1000		Digital	
10-100	10-100					30-300(MC)	200-1000	200-1000		Focus	Finnpipette™
10-100(SC)	10-100(SC)					30-300	100-1000	100-1000		Biocontrol	
							100-1000	100-1000		Novus	
										Finnpipette 4500	



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 38-39 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.



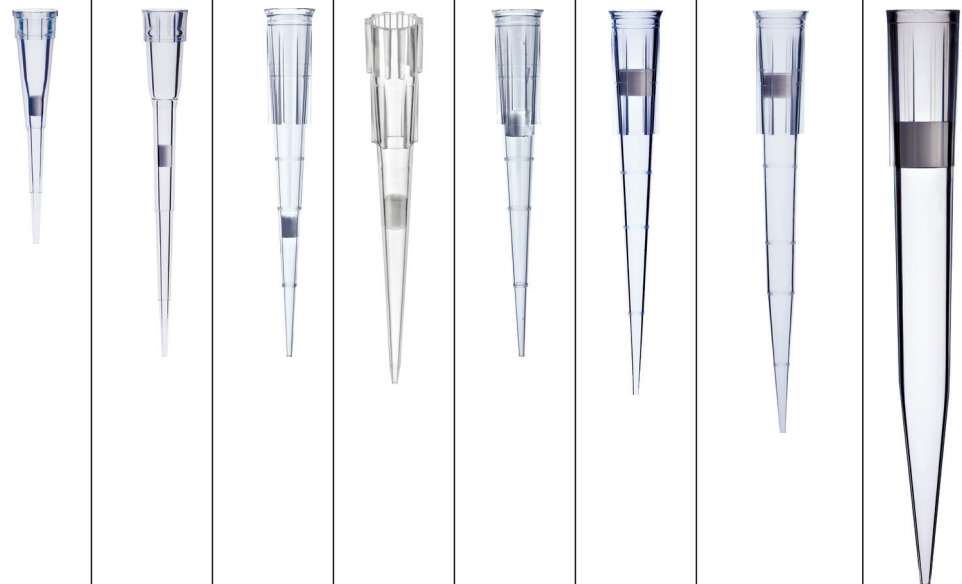

Please note that the tip's maximum volume must not be exceeded, regardless of the volume range of your pipette.

All tips illustrated are actual size unless otherwise stated

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

Pipette Tips

Tip Description and Volume Range μ l		Low Retention			1 - 50 μ l Aerogard [®]	Low Retention			
		0.1-10 μ l Aerogard [®] Reference	0.1-10 μ l Aerogard [®] Reference	2-20 μ l Aerogard [®] Reference		10-100 μ l Aerogard [®] Reference	20-200 μ l Aerogard [®] Reference	1-300 μ l Aerogard [®] Reference	100-1000 μ l Aerogard [®] Reference
Coding and Certification (see page 33)		D,E,G,M,N,R	D,E,G,M,N,R	D,E,G,M,N,R	D,E,M,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	Pipette Volume Range μ l							
alpha+	Variable Volume	0.1-2.5, 0.5-10	0.1-2.5, 0.5-10	2-20	1-50		5-50		10-100
	Fixed Volume	2.5, 5, 10	2.5, 5, 10	20	50		20, 40		100
	Multi Channel	0.5-10	0.5-10					5-50	10-100
Sartorius (Biohit)	Picus [®] /Picus [®] NxT Single Channel	0.2-10	0.2-10	5-120, 10-300		10-300			
	Picus [®] /Picus [®] NxT Multi Channel	0.2-10	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, 20-200 (M/C 5-100, 30-300)	100-1000
Eppendorf [®]	Electronic				5-100				
	Reference	0.5-10, 2-20	0.1-20	2-20, 10-100		1-100, 50-200		2-20, 10-100, 50-200	
	Research Pro				5-100				
	Research Plus	0.5-10	0.1-2.5, 0.5-10	2-200	2-20	1-100, 20-200		2-20, 10-100, 20-200 (M/C 10-100, 30-300)	100-1000
Gilson	Pipetman	P2, 10	P2, 10	P20, 100		P200	P200		
	Pipetman Ultra	U2, 10	U2, 10	U20, 100		U200	U200		
	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	5-50	5-200	40-200, 50-200		
	Focus	1-10 (micro)	1-10	1-10, 10-100	5-50	10-100, 30-300	10-100, 30-300		
	Biocontrol				5-50				
	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 33  									
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 10 μ l to 10ml ensuring a tip for any application.									
All tips illustrated are actual size unless otherwise stated									
Racked Sterile 	Cat. No.	LP010NFRS	LP010XLNFRS	LP020NFRS	LW1065	LP100NFRS	LP200NFRS	LP300NFRS	LP1000NFRS
	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

1. Also labelled as Jencons Sealpette and as Genex.

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 33)	
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®	
	500-5000	1000-10,000	Tacat/mLINE®/Proline Plus®	
	1000-5000		Proline® 1	
			Electronic Reference	Eppendorf®
	100-5000	1000-10,000	Research Pro	
	500-5000		Research	
			Research Plus	
P5000		P10ml	Pipetman	Gilson
U5000		U10ml	Pipetman Ultra	
			Pipetman Classic,G,L	
			EDP3	Rainin®
			EDP1	
			Pipet Lite SL	
			Classic	Thermo Electron Finnpipette™
			Digital	
			Focus	
			Biocontrol	
			Novus 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 unless otherwise stated

LW1124	LW7832	LW7836
2 x 50	2 x 50	2 x 25

Cat. No.	
Pack Size	

Racked
Sterile

alpha+ Pipettes

- Accuracy
- Performance
- Value



These lightweight, easy-to-use pipettes are robust and reliable even in the most challenging environments.

They provide unsurpassed accuracy at a very affordable price for true quality and economy.

See pages 14-15 for more details.