



 **alpha laboratories**
supplying quality to science

Liquid Handling - Pipettes

Liquid Handling - Pipettes



Pricing and Online Ordering at www.alphalabs.co.uk

Effortless Accuracy

A pipette is one of the most extensively used tools in a laboratory. With so many techniques depending on the transfer of often minute sample volumes, accuracy and precision are essential.

Modern pipettes also feature a host of other benefits that can help you work more efficiently and comfortably.

Sartorius Biohit's electronic and mechanical pipettes are used globally in research institutions, universities, healthcare and industrial laboratories. The range now includes the advanced Picus® electronic pipette. It makes light work of pipetting with its red dot design award ergonomic features.

We are also very pleased to introduce our own brand, **alpha+** pipettes. These single and multichannel pipettes bring you accuracy and economy within a modern design.

What's New?

- Picus® electronic pipettes
- Picus® plate tracker
- **alpha+** pipettes

Contents	Page/s
Pipette Service	18
Choosing the Right Pipette	19
mLINE® Mechanical Pipettes	20-23
Proline Plus® Mechanical Pipettes	24-27
Proline® Mechanical Pipettes	28-31
Picus® Electronic Pipettes	32-35
eLINE® Electronic Pipettes	37-40
alpha+ Mechanical Pipettes	40-41
Safe-Cone Filters	42



Pipette Servicing and Calibration

Regular service and calibration will ensure that the precision and accuracy of pipettes are maintained and your laboratory's results are not compromised. Through our experienced calibration partner, we offer a full range of service options for all popular pipettes and dispensers either at your own site or at our UKAS-accredited calibration laboratory.



Workshop Service

Send your pipettes into our workshop where qualified technicians will perform the service and calibration in a purpose-built, environmentally controlled area.



On-site Service

Our technicians will bring their equipment to you and perform an on-site pipette clinic. This is ideally suited to larger quantities of pipettes and can be set up as a one-off visit or on a regular scheduled basis.

Service Levels

Calibrations are carried out to DIN12650, ISO17025 and UKAS accreditation levels.

QUICKCHECK

A quick and simple performance check for when extensive measurements and calibration are not required. 4 readings are taken at a single volume. Every channel is checked across multichannel pipettes. An ISO calibration certificate is included.



FULLCHECK

This service includes cleaning, servicing and a full range performance check with 6 readings taken at the min/mid/max volumes for complete linearity assessment. An ISO calibration certificate is supplied.



UKASCal

Accreditation by UKAS gives you the confidence of full pipette calibration traceability. 10 readings are taken at each of the min/mid/max volumes and a full UKAS certificate is issued.



FixCheck

This service is for pipettes that are no longer performing within the manufacturer's tolerances or are damaged. It includes dismantling, cleaning, servicing and a full range performance check. An ISO calibration certificate is supplied. This service is not available at on-site clinics.



For all service levels, spare parts are detailed and charged separately.

For further information and a price guide, visit www.alphalabs.co.uk/pipette-service or call us on 0800 387 732 for a customised quotation.

Choosing the Right Pipette

Biohit pipettes have been renowned worldwide for many years for their high performance, quality and comfort. Now under their new brand name, Sartorius, they continue to deliver innovative, precision solutions.

Use these handy selection guides to help you choose the right pipette for your needs.

Alternatively, try our on-line pipette selector at www.alphalabs.co.uk/pipette-selector

Mechanical or Electronic Pipette

Features	Mechanical	Electronic
Highest ergonomics		✓
Fastest pipetting		✓
User-independent results		✓
Multiple pipetting modes		✓
Fully autoclavable	✓	Lower Parts Only ¹
Calibration by user	✓	✓ ²

Mechanical Pipettes

Features	mLINE	Proline Plus	Proline
Most ergonomic	✓		
Pipetting forces ⁵	12N	15N	20N
Fully autoclavable	✓	✓	
Optiload tip loading mechanism	All models	Multi-channels only	
Weight ⁵	77 g	82 g	84 g
Safe-cone filters	✓	✓	✓
Filter ejector	✓		
Volume locking	✓	Click stops	Click stops
Thermal insulation	✓	✓	
Colour coding on pipette	✓	✓	
Colour coding caps	✓	✓	✓
ID tags	✓		
Warranty for 2 years	✓	✓	✓
Page No.	20 - 23	24 - 27	28 - 31

Electronic Pipettes

Features	Picus	eLINE
Most ergonomic	✓	
Weight ³	100 g	170 g
Multiple pipetting modes ⁴	8+5	7+3
Microwell plate tracker	✓	
Electronic tip ejection	✓	✓
Calibration by user	✓	
Information on service and calibration levels	✓	
Hot key for stored programs	✓	
Memory places	10	6
Safe-cone Filters	✓	✓
Autoclavable lower parts	✓	✓
Optiload in multichannels	✓	✓
Colour coding on pipette	✓	✓
Warranty for 2 years	✓	✓
Page No.	32 - 35	36 - 39

1) Excluding multichannel 1200µl models

2) Picus only

3) 300µl single-channel models

4) Includes mode additions

5) 1000µl single-channel models



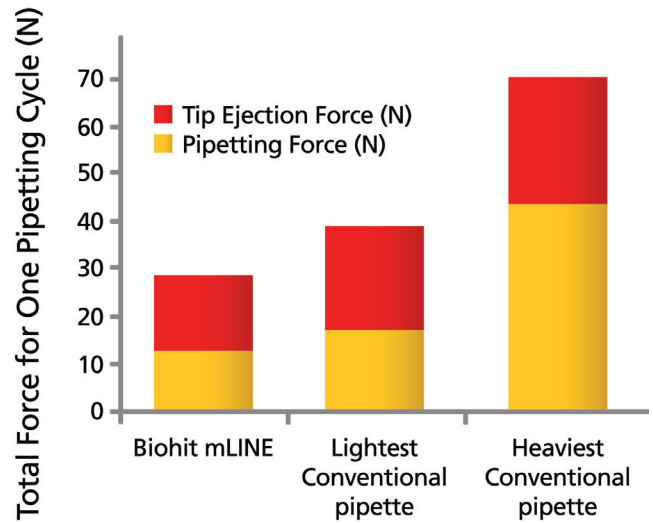
mLINE® Mechanical Pipettes

Effortless Accuracy

The mLINE® is Sartorius' most advanced mechanical pipette in the Biohitfamily, offering excellent ergonomics, performance and safety in manual pipetting. It is particularly designed for repetitive use and in long-lasting pipetting series to prevent work-related hand, arm and shoulder disorders or Repetitive Strain Injury (RSI). mLINE is recommended by health and safety officers around the globe. It covers the full volume range of 0.1 µl to 10 ml and is available in single and multichannel models.

Superior Ergonomics

mLINE pipettes have a patented spring mechanism (plunger technology) resulting in exceptionally light pipetting forces. The tension spring mechanism makes the pipetting force almost 4 times lighter than conventional compression spring operated pipettes. Light pipetting force improves pipetting precision in long pipetting series. Thanks to the device's unique spring mechanism, the starting force is always constant, regardless of the set volume, which improves pipetting results especially for small volumes.



Perfect Tip Sealing with Optiload Tip Loading Mechanism

Perfect Tip Sealing with Optiload Tip Loading Mechanism. All mLINE pipettes are equipped with spring-loaded tip cones – the Optiload mechanism secures even tip sealing and simultaneously allows tips to be loaded and ejected with minimum force. This is a particular advantage with multichannel models, where tip loading and ejecting generally requires more force. Using less force reduces the risk of hand injuries.

Biohitfamily

Need Tips?
See the full range in our
Tips section pages 43-63

mLINE® Specifications



* Excluding 1200µl multichannel model

Performance

- Thermal insulation of internal components maintains sampling temperature for highly accurate and repeatable results in long pipetting series
- Easy to use calibration allows quick recalibration for liquids with various consistencies assuring better accuracy across a variety of liquids
- Optiload function for perfect tip sealing on all models - allows tip loading with equal, constant force

Ergonomics

- Exceptionally light pipetting and tip ejection forces protect you from repetitive strain injuries (RSI)
- Suitable for right or left-handed use
- Ergonomic finger support allows the pipette to rest effortlessly in your hand
- Smooth and light volume setting

Safety

- Minimised risk of contamination with Safe-Cone Filters for models >10µl and full autoclavability (steam sterilisation)
- Volume-lock button prevents accidental volume changes while pipetting, for error-free results

Style

- Contemporary re-styling with Sartorius branding brings a smart new look to your laboratory

Convenience

- Large clear display for easy volume setting
- 360 degree swivel head on multichannels
- New colour-coded push button caps make tip matching quick and easy
- Unique thumb-activated, light filter-ejection mechanism
- Only three parts to disassemble for cleaning and maintenance



mLINE® Mechanical Pipettes - Ordering Information

Cat. No.	Channels	Volume Range (µl)	Increment (µl)	Test Volume (µl)	Inacc. (%)	Impr. (%)	Safe-cone Filters		Sartorius Non-filter Tip I.D.	Sartorius Filter Tip I.D.	Price ex. VAT
							Standard	Plus			
Single Channel											
725010	1	0.1-3	0.002	3 1.5 0.3	1.30 2.40 10.00	0.80 1.60 6.00	-	-	A, B	L, M	£190.00
725020	1	0.5-10	0.01	10 5 1	1.00 1.50 2.50	0.60 1.00 1.50	-	-	A, B	L, M	£189.00
725030	1	2-20	0.02	20 10 2	0.90 1.20 3.00	0.40 1.00 2.00	721014	-	C	N	£183.00
725050	1	10-100	0.10	100 50 10	0.80 1.00 2.00	0.15 0.40 1.00	721008	721018	C, D	O	£183.00
725060	1	20-200	0.20	200 100 20	0.60 0.80 2.00	0.15 0.30 0.80	721007	721017	C, D	P, Q	£183.00
725070	1	100-1000	1.00	1000 500 100	0.60 0.60 1.00	0.20 0.20 0.40	721006	721016	E	S	£183.00
725080	1	500-5000	10.0	5000 2500 500	0.50 0.60 2.00	0.20 0.30 0.60	721005	721015	J	-	£183.00
725090	1	1-10ml	20.0	10000 5000 1000	0.60 1.20 3.00	0.20 0.30 0.60	721005	721015	U	-	£190.00
8-Channel											
725120	8	0.5-10	0.1	10 5 1	1.50 2.50 4.00	1.00 2.50 4.00	-	-	A, B	L, M	£532.00
725130	8	5-100	0.10	100 50 10	0.70 1.00 3.00	0.25 0.70 1.50	721008	721018	C, D	O	£532.00
725140	8	30-300	0.20	300 150 30	0.60 1.00 2.00	0.25 0.50 1.00	721007	721017	D	Q	£532.00
12-Channel											
725220	12	0.5-10	0.01	10 5 1	1.50 2.50 4.00	1.00 2.50 4.00	-	-	A, B	L, M	£638.00
725230	12	5-100	0.10	100 50 10	0.70 1.00 3.00	0.25 0.70 1.50	721008	721018	C, D	O	£638.00
725240	12	30-300	0.20	300 150 30	0.60 1.00 2.00	0.25 0.50 1.00	721007	721017	D	Q	£638.00

For Sartorius tips, please see pages 58-59

Need Tips?
See the full range in our
Tips section pages 43-63

mLINE® Starter Kits and Accessories

mLINE® Starter Kits

mLINE® Starter Kits help you set up your lab with quality mLINE pipettes or extend your current range. You can choose between two Starter Kits with three single-channel pipettes of different volumes. Both kits also include colour-coded tip racks for every pipette and many useful accessories such as a pipette holder, colour-coding caps and a calibration tool, which also acts as a tube opener.



mLINE® Starter Kits			
Cat. No.	Description	Contents	Price/£
725651	mLINE Starter Kit 1	mLINE 0.5-10µl, 10-100µl, 100-1000µl 1-ch. Single racks of 10, 20 and 1000µl tips. Shelf Holders x3. Colour-coding caps. Calibration Tool x3. Pen.	£409.00
725652	mLINE Starter Kit 2	mLINE 2-20µl, 20-200µl, 100-1000µl 1-ch. Single racks of 200 and 1000µl tips. Shelf Holders x3. Colour-coding caps. Calibration Tool x3. Pen.	£409.00

mLINE® Accessories

Pipettes should be stored in an upright position to prevent damage and contamination. The carousel and linear pipette stands are compatible with all Biohitfamily and other pipettes with a finger hook.

mLINE® Accessories		
Cat. No.	Description	Price/£
725600	Carousel Stand for 6 pipettes	£72.00
725610	Pipette Holder for one pipette	£5.20
725620	Linear Stand	£50.50
726001	Colour-coding caps, 5 pcs	£18.10



Sterile		
Cat No	LW4806	LW4811
Pack Size	500	500
Price ex. VAT	£43.60	£49.40





Proline® Plus Mechanical Pipettes

Modern Versatility

Proline® Plus is the latest mechanical pipette to be added to the Biohitfamily. It is designed to offer comfort and quality in everyday manual pipetting. While it shares many of the excellent features of mLINE, it has a modern styling and a durable feel for routine use. Proline Plus pipettes are an excellent choice for both experienced laboratory professionals and students.

Ergonomic Design

A comfortable handle and ergonomic finger support enable effortless pipetting. There is no need to squeeze the handle during pipetting, thereby reducing the risk of RSI.



Perfect Tip Sealing with Optiload Tip-Loading Mechanism in Multichannel Pipettes

All Proline Plus multichannel pipettes are equipped with spring-loaded tip cones – the Optiload mechanism secures even tip sealing and simultaneously allows tips to be loaded and ejected with minimum force. This is a particular advantage in multichannel models, where tip loading and ejecting generally require more force. Using less force reduces the risk of hand injuries.

Prevent Contamination with Safe-Cone Filters

Replaceable Safe-Cone Filters act as a barrier, preventing aerosols or fluids from reaching the internal components of the pipette. Safe-Cone Filters are available for all Proline Plus models greater than 10 μ l. These filters must be replaced regularly, and in every case of over-aspiration.



Maintenance and Calibration Made Easy

No opening tools are needed for cleaning and maintaining Proline Plus pipettes, and only three parts need to be cleaned. These pipettes can be easily calibrated using the tool provided.

Biohitfamily

Need Tips?

See the full range in our
Tips section pages 43-63

Proline® Plus Specifications



Performance

- Thermal insulation of internal components maintains sampling temperature for highly accurate and repeatable results in long pipetting series
- Easy calibration by the user for liquids with various consistencies
- Optiload tip-loading mechanism in multichannel models

Convenience

- New colour-coded push button caps make tip matching quick and easy
- Large numerical volume display minimises errors
- Volume setting with click stop
- Only three parts to disassemble when cleaning

Ergonomics

- Light pipetting forces and ergonomic design prevent repetitive strain injuries (RSI)
- Ergonomic finger support for effortless pipetting

Safety

- Minimised risk of contamination with Safe-Cone Filters for all models >10µl
- Fully autoclavable without disassembling. Easy to steam sterilise
- High chemical and UV resistance for durability



* Excluding 1200µl multichannel model

Proline® Plus Mechanical Pipettes - Ordering Information

Cat. No.	Channels	Volume Range (µl)	Increment (µl)	Test Volume (µl)	Inacc. (%)	Impr. (%)	Safe-cone Filters		Sartorius Non-filter Tip I.D.	Sartorius Filter Tip I.D.	Price ex. VAT
							Standard	Plus			
Single Channel											
728010	1	0.1-3	0.002	3	1.30	0.80	-	-	A, B	L, M	£171.00
				1.5	2.40	1.60					
				0.3	10.00	6.00					
728020	1	0.5-10	0.01	10	1.00	0.60	-	-	A, B	L, M	£171.00
				5	1.50	1.00					
				1	2.50	1.50					
728030	1	2-20	0.02	20	0.90	1.40	721014	-	C	N	£171.00
				10	1.20	1.00					
				2	3.00	2.00					
728050	1	10-100	0.10	100	0.80	0.15	721008	721018	C, D	O	£171.00
				50	1.00	0.40					
				10	2.00	1.00					
728060	1	20-200	0.20	200	0.60	0.15	721007	721017	C, D	P, Q	£171.00
				100	0.80	0.30					
				20	2.00	0.80					
728070	1	100-1000	1.00	1000	0.60	0.20	721006	721016	E	S	£171.00
				500	0.60	0.20					
				100	1.00	0.40					
728080	1	500-5000	10.0	5000	0.50	0.20	721005	721015	J	-	£171.00
				2500	0.60	0.30					
				500	2.00	0.60					
728090	1	1-10ml	20.0	10000	0.60	0.20	721005	721015	U	-	£171.00
				5000	1.20	0.30					
				1000	3.00	0.60					
8-Channel											
728120	8	0.5-10	0.01	10	1.50	1.00	-	-	A, B	L, M	£494.00
				5	2.50	2.50					
				1	4.00	4.00					
728130	8	10-100	0.10	100	0.70	0.25	721008	721018	C, D	O	£494.00
				50	1.00	0.70					
				10	3.00	1.50					
728140	8	30-300	0.20	300	0.60	0.25	721007	721017	D	Q	£494.00
				150	1.00	0.50					
				30	2.00	1.00					
12-Channel											
728220	12	0.5-10	0.01	10	1.50	1.00	-	-	A, B	L, M	£590.00
				5	2.50	2.50					
				1	4.00	4.00					
728230	12	10-100	0.10	100	0.70	0.25	721008	721018	C, D	O	£590.00
				50	1.00	0.70					
				10	3.00	1.50					
728240	12	30-300	0.20	300	0.60	0.25	721007	721017	D	Q	£590.00
				150	1.00	0.50					
				30	2.00	1.00					

For Sartorius tips, please see pages 58-59

Need Tips?
See the full range in our
Tips section pages 43-63

Proline® Plus Starter Kits and Accessories

Proline® Plus Starter Kits

Proline® Plus Starter Kits offer additional economical benefits when buying a range of Proline Plus pipettes. You can choose between four Starter Kits, with two or three single-channel Proline Plus pipettes. All kits include a range of useful accessories, such as a pipette holder, tips and a calibration tool that also acts as a tube opener.

Proline® Plus Starter Kits			
Cat. No.	Description	Contents	Price/£
728650	Proline® Plus Starter Kit 1	Proline Plus 0.1-3µl and 0.5-10µl Optifit Tip 0.1-10µl, Single Tray x2 Pipette Holder x2 Calibration Tool Tube Opener x2 Literature	£275.00
728651	Proline® Plus Starter Kit 2	Proline Plus 0.5-10µl, 10-100µl and 100-1000µl Optifit Tip 0.1-10µl, 0.5-200µl and 10-1000µl, Single Tray Pipette Holder x3 Calibration Tool Tube Opener x3 Literature	£383.00
728652	Proline® Plus Starter Kit 3	Proline Plus 2-20µl, 20-200µl and 100-1000µl Optifit Tip 0.5-200µl, Single Tray x2 and 10-1000µl, Single Tray Pipette Holder x3 Calibration Tool Tube Opener x3 Literature	£383.00
728653	Proline® Plus Starter Kit 4	Proline Plus 500-5000µl and 1000-10000µl Optifit Tip 100-5000µl and 1-10ml, Bulk Pipette Holder x2 Calibration Tool Tube Opener x2 Literature	£275.00

Proline® Plus Stands and Accessories		
Cat. No.	Description	Price/£
725600	Carousel Stand for 6 pipettes	£72.00
725610	Pipette Holder for one pipette	£5.20
725620	Linear Stand	£50.50



Pricing and Online Ordering at www.alphalabs.co.uk

Proline® Plus Mechanical Pipettes

Proline® Mechanical Pipettes

Trusted Simplicity

Proline is the longest standing mechanical pipette in the Biohitfamily and is still a favourite in many laboratories due to its practical design and reliability. Being the most affordable pipette in the range, it is ideal for routine and teaching purposes or for anyone seeking a durable, cost-effective liquid handling tool. Proline is available in a wide range of adjustable and fixed volume models including single and multichannels.

Biohitfamily



Ergonomics

- Lightweight design
- Finger support avoids need to grip pipette tightly, reducing the risk of RSI

Convenience

- Clear volume display minimises risk of volume setting errors
- Multichannels have rotating head for optimum handling
- Easy volume setting with click stops

Performance

- User calibration facility allows adjustment for different types of liquid
- Durable tip cone with high chemical resistance
- Safe-cone filters available for models >10µl protects pipette from contamination



Need Tips?
See the full range in our
Tips section pages 43-63

Proline® Mechanical Pipettes - Ordering Information

Variable Volume

Cat. No.	Channels	Volume Range (µl)	Increment (µl)	Test Volume (µl)	Inacc. (%)	Impr. (%)	Safe-cone Filters		Sartorius Non-filter Tip I.D.	Sartorius Filter Tip I.D.	Price ex. VAT
							Standard	Plus			
Single Channel											
720010	1	0.1-2.5	0.05	2.5 1.25 0.25	2.5 3.00 12.00	2.00 3.00 6.00	-	-	A, B	L, M	£125.00
720015	1	0.5-10	0.10	10 5 1	1.0 1.50 2.50	0.80 1.50 1.50	-	-	A, B, C	L, M, N	£125.00
720-080	1	2-20	0.50	20 10 2	0.90 1.20 3.00	0.40 1.00 2.00	721008	720018	C	N, O	£125.00
720025	1	5-50	0.50	50 25 5	0.60 0.90 2.00	0.30 0.60 2.00	721008	721018	C, D	O	£125.00
720-050	1	10-100	1.00	100 50 10	0.80 1.00 3.00	0.20 0.40 1.00	721007	721017	C, D	O, P, Q	£125.00
720-070	1	20-200	1.00	200 100 20	0.60 0.80 2.50	0.20 0.30 0.80	721007	721017	C, D	P, Q	£125.00
720-060	1	100-1000	5.00	1000 500 100	0.60 0.70 2.00	0.20 0.25 0.70	721006	721016	E	S	£125.00
720-110	1	1000-5000	50.0	5000 2500 1000	0.50 0.60 0.70	0.20 0.30 0.30	721005	721015	J	-	£125.00
8-Channel											
720-210	8	0.5-10	0.10	10 5 1	1.50 2.50 4.00	1.50 2.50 4.00	-	-	A, B	L, M	£409.00
720-220	8	5-50	0.50	50 25 5	1.00 1.50 3.00	0.50 1.00 2.00	721014	-	C, D	O, P, Q	£409.00
720-240	8	50-300	5.00	300 150 50	0.70 1.00 1.50	0.25 0.50 0.80	721014	-	D	Q	£409.00
12-Channel											
720310	12	0.5-10	0.10	10 5 1	1.50 2.50 4.00	1.50 2.50 4.00	-	-	A, B	L, M	£501.00
720-320	12	5-50	0.50	50 25 5	1.00 1.50 3.00	0.50 1.00 2.00	721014	-	C, D	O, P, Q	£501.00
720-340	12	50-300	5.00	300 150 50	0.70 1.00 1.50	0.25 0.50 0.80	721014	-	D	Q	£501.00

For Sartorius tips, please see page 58-59



Proline® Mechanical Pipettes - Ordering Information

Fixed Volume

Cat. No.	Channels	Volume (µl)	Increment (µl)	Test Volume (µl)	Inacc. (%)	Impr. (%)	Safe-cone Filters		Sartorius Non-filter Tip I.D.	Sartorius Filter Tip I.D.	Price ex. VAT
							Standard	Plus			
722001	1	5	-	5	1.30	1.20	-	-	A, B, C	L, M, N	£95.00
722004	1	10	-	10	0.80	0.80	-	-	A, B, C	L, M, N	£95.00
722-010	1	20	-	20	0.60	0.50	721008	721018	C, D	N, O	£95.00
722-015	1	25	-	25	0.50	0.30	721008	721018	C, D	O	£95.00
722-020	1	50	-	50	0.50	0.30	721008	721018	C, D	O	£95.00
722-025	1	100	-	100	0.50	0.30	721007	721017	C, D	O, P, Q	£95.00
722-030	1	200	-	200	0.40	0.20	721007	721017	C, D	P, Q	£95.00
722-035	1	250	-	250	0.40	0.20	721006	721016	E	S	£95.00
722-040	1	500	-	500	0.30	0.20	721006	721016	E	S	£95.00
722-045	1	1000	-	1000	0.30	0.20	721006	721016	E	S	£95.00
722050	1	2000	-	2000	0.30	0.15	721005	721015	J	-	£95.00
722055	1	5000	-	5000	0.30	0.15	721005	721015	J	-	£95.00

For Sartorius tips, please see pages 58-59

Pricing and Online Ordering at www.alphalabs.co.uk

Proline® Mechanical Pipettes

Need Tips?
See the full range in our
Tips section pages 43-63

Proline® Accessories

Proline®

When your pipette is not in use, it should be stored in an upright position. Keeping pipettes on a stand ensures easy access and prevents damage. It also minimises contamination from the bench top and prevents liquids running back into the shaft. The stylish Sartorius Linear Stand and Carousel are designed for all Biohitfamily mechanical and electronic pipettes, and especially for mLINE, Proline Plus, Proline mechanical and ePET electronic pipettes. The stands are also compatible with a wide range of other pipette brands that have finger hooks.

Proline® Stands and Accessories

Cat. No.	Description	Price/£
725600	Carousel Stand for 6 pipettes	£72.00
725620	Linear Stand	£50.50



Pricing and Online Ordering at www.alphalabs.co.uk

Proline® Mechanical Pipettes



Picus® Electronic Pipettes

Enjoy pipetting like never before

Picus® is an award-winning electronic pipette range. Developed by a team of R&D and ergonomics professionals, together with laboratory personnel, the Picus electronic pipette has your needs and wellbeing in mind. Its exceptionally small and lightweight design helps to ease your workload, prevent repetitive strain injuries (RSI) and deliver superb pipetting results. In short, it's the most ergonomic and sophisticated electronic pipette available.

Biohitfamily



Ergonomics

- Exceptionally light pipetting and tip ejection forces protect you from repetitive strain injuries (RSI)
- Suitable for right or left-handed use
- Ergonomic finger support allows the pipette to rest effortlessly in your hand
- Smooth and light volume setting

Performance

- Minimised risk of contamination with Safe-Cone Filters for models >10µl and autoclavable (steam sterilisation) lower parts*.
- Volume-lock prevents accidental volume changes while pipetting, for error-free results

Ease of Use

- Contemporary re-styling with Sartorius branding brings a smart new look to your laboratory



reddot design award
winner 2012



fenniaprize 12
good design grows global
HONORARY MENTION

NEW
range

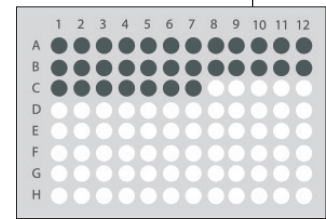
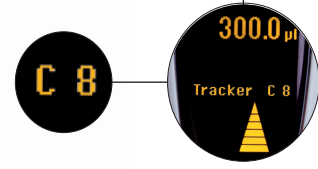
Need Tips?
See the full range in our
Tips section pages 43-63

Picus® Plate Tracker



- Unique built-in tracker for 96 and 384 well plates guides the user to pipette into the correct wells
- Improves work efficiency and reliability of results

Microwell plate tracker: a unique built-in tracker for 96 and 384 well plates guides the user to pipette into the correct wells



- Unique electronic tip ejection
- Operating button
- Charging via micro USB cable



* Excluding 1200µl multichannel model

Picus® Electronic Pipettes- Ordering Information

Cat. No.	Channels	Volume Range (µl)	Increment (µl)	Test Volume (µl)	Inacc. (%)	Impr. (%)	Safe-cone Filters		Sartorius Non-filter Tip I.D.	Sartorius Filter Tip I.D.	Price ex. VAT
							Standard	Plus			
Single Channel											
PIC-00010-01	1	0.2-10	0.01	10	0.90	0.40	-	-	A, B	L, M	£441.00
				5	1.00	0.70					
				1	2.50	1.50					
PIC-00120-01	1	5-120	0.10	120	0.40	0.15	721008	721018	C, D	O	£441.00
				60	0.60	0.20					
				12	2.00	1.00					
PIC-00300-01	1	10-300	0.20	300	0.40	0.15	721007	721017	D	Q	£441.00
				150	0.60	0.20					
				30	1.50	0.80					
PIC-01000-01	1	50-1000	1.00	1000	0.40	0.15	721006	721016	E	S	£441.00
				500	0.60	0.20					
				100	1.50	0.50					
PIC-05000-01	1	100-5000	5.00	5000	0.50	0.15	721005	721015	J	-	£441.00
				2500	0.80	0.20					
				500	1.00	0.40					
PIC-10000-01	1	500-10000	10.00	10000	0.60	0.20	721005	721015	U	-	£441.00
				5000	1.20	0.30					
				1000	3.00	0.60					
8-Channel											
PIC-00010-08	8	0.2-10	0.01	10	0.90	0.50	-	-	A, B	L, M	£693.00
				5	1.50	0.80					
				1	4.00	3.00					
PIC-00120-08	8	5-120	0.10	120	0.50	0.20	721008	721018	C, D	O	£693.00
				60	0.70	0.30					
				12	2.00	1.50					
PIC-00300-08	8	10-300	0.20	300	0.50	0.20	721007	721017	D	Q	£693.00
				150	0.70	0.30					
				30	2.00	1.00					
PIC-01200-08	8	50-1200	1.00	1200	0.50	0.20	721006	721016	H, Z	T	£693.00
				600	1.00	0.30					
				120	2.50	1.00					
12-Channel											
PIC-00010-12	12	0.2-10	0.01	10	0.90	0.50	-	-	A, B	L, M	£818.00
				5	1.50	0.80					
				1	4.00	3.00					
PIC-00120-12	12	5-120	0.10	120	0.50	0.20	721008	721018	C, D	O	£818.00
				60	0.70	0.30					
				12	2.00	1.50					
PIC-00300-12	12	10-300	0.20	30	0.50	0.20	721007	721017	D	Q	£818.00
				150	0.70	0.30					
				30	2.00	1.00					
PIC-01200-12	12	50-1200	1.00	1200	0.50	0.20	721006	721016	H, Z	T	£818.00
				600	1.00	0.30					
				120	2.50	1.00					

All pipettes include a universal AC-adaptor. For Sartorius tips, please see pages 58-59

Need Tips?
See the full range in our
Tips section pages 43-63

Picus® Charging Options

Picus® Charging Options

Picus pipettes can be charged using the micro USB cable supplied or more conveniently on an optional charging stand, where they are stored securely, ready for use. The lithium polymer battery charges rapidly in about an hour but when using the micro USB cable, it is possible to continue pipetting during charging, avoiding any downtime.

Charging stands are available in either a single position version or a carousel for up to four Picus pipettes. The compact design of the carousel saves bench space and its rotating head provides easy access to the desired unit. Both stands are also compatible with the Sartorius eLINE range for complete flexibility.



Picus® Stands and Accessories

Cat. No.	Description	Price/£
730981	Carousel Stand for one pipette	£190.00
730991	Charging Carousel for four pipettes	£345.00
725620	Linear Stand (Non-charging)	£50.50

Charging stands include universal AC-adaptor



Features	Additional Functions - to be used in conjunction with the Main Mode				
	Tracker	Mixing	Counter	Excess volume adjustment	Auto dispensing
Pipetting	✓	✓	✓		
Reverse Pipetting	✓		✓	✓	
Manual Pipetting	✓				
Multi Dispensing	✓			✓	✓
Diluting	✓	✓			
Sequential Dispensing	✓			✓	
Multi Aspiration	✓				
Titrate	✓				



eLINE® Electronic Pipettes

Proven electronic performance and comfort

eLINE® pipettes are renowned for their analytical performance and ergonomic excellence. Fully electronic operation including motorised tip ejection ensures consistent, user-independent results and avoids the risk of repetitive strain injuries. The comprehensive set of built-in programs streamlines work steps and can double the speed of pipetting compared with a mechanical unit. Available in both single and multichannel models, eLINE is a cost-effective option for many laboratories.

Biohitfamily



Performance

- Fully electronic operation eliminates user variability
- DC Motor control for excellent accuracy and precision
- 9 speeds for both aspiration & dispensing

Ergonomics

- Effortless electronic tip ejection
- Light touch start button for all pipetting functions
- Both left and right-handed operation
- Styled for optimum comfort

Ease of Use

- Clear LCD display
- Memory locations for 6 user programs
- Low battery indicator
- Volume range colour-coding for easy tip selection
- Easy cleaning and maintenance – lower parts are removable without tools and are autoclavable (except 1200µl multichannels)
- Optiload for perfect tip sealing - allows tip loading with an equal and constant force on every channel
- Replaceable Safe-Cone filters help prevent contamination of pipette & samples

Proven DC-motor Design

eLINE has a DC-motor which delivers a 10-fold improvement in precision over a conventional stepper-motor system.

- Piston movement is stopped using an extremely rapid solenoid brake
- Particularly valuable in multi-dispense mode for accurate dispensing of aliquots
- Optical sensor controls & monitors the piston in real time & reports an error if it is in the wrong position

Need Tips?

See the full range in our Tips section pages 43-63

eLINE® Pipetting Modes

Features	Additional Functions - to be used in conjunction with the Main Mode		
	Mixing	Counter	Auto dispensing (Timed)
Pipetting ✓	✓	✓	
Reverse Pipetting ✓			
Manual Pipetting ¹ ✓			
Multi Dispensing ✓			✓
Diluting ✓	✓		
Sequential Dispensing ² ✓			
Multi Aspirating ✓			

¹Not available in eLINE multichannel pipettes

²Not available in eLINE 0.1-5µl pipettes



* Excluding 1200µl multichannel model

Pricing and Online Ordering at www.alphalabs.co.uk

eLINE® Electronic Pipettes

eLINE® Electronic Pipettes - Ordering Information

Cat. No.	Channels	Volume Range (µl)	Increment (µl)	Test Volume (µl)	Inacc. (%)	Impr. (%)	Safe-cone Filters		Sartorius Non-filter Tip I.D.	Sartorius Filter Tip I.D.	Prices ex. VAT
							Standard	Plus			
Single Channel											
730021	1	0.2-10	0.05	10	0.90	0.40	-	-	A, B	L, M	£420.00
				5	1.00	0.70					
				1	3.50	2.30					
730041	1	5-120	0.50	120	0.40	0.15	721008	721018	C, D	O	£420.00
				60	0.60	0.20					
				12	2.00	1.00					
730061	1	10-300	1.00	300	0.40	0.15	721007	721017	D	Q	£420.00
				150	0.60	0.20					
				30	1.50	0.80					
730081	1	50-1000	5.00	1000	0.40	0.15	721006	721016	E	S	£420.00
				500	0.60	0.20					
				100	1.50	0.50					
730101	1	100-5000	10.00	5000	0.50	0.15	721006	721016	J	-	£420.00
				2500	0.80	0.20					
				500	1.00	0.40					
8-Channel											
730321	8	0.2-10	0.05	10	0.90	0.50	-	-	A, B	L, M	£680.00
				5	1.50	0.80					
				1	4.00	3.00					
730341	8	5-120	0.50	120	0.80	0.20	721008	721018	C, D	O	£680.00
				60	0.70	0.30					
				12	3.00	1.50					
730361	8	10-300	1.00	300	0.50	0.20	721007	721017	D	Q	£680.00
				150	0.70	0.30					
				30	2.00	1.00					
730391	8	50-1200	5.00	1200	0.50	0.20	721006	721016	H, Z	T	£680.00
				600	1.00	0.30					
				120	2.00	1.00					
12-Channel											
730421	12	0.2-10	0.05	10	0.90	0.50	-	-	A, B	L, M	£787.00
				5	1.50	0.80					
				1	4.00	3.00					
730441	12	5-120	0.50	120	0.80	0.20	721008	721018	C, D	O	£787.00
				60	0.70	0.30					
				12	3.00	1.50					
730461	12	10-300	1.00	30	0.50	0.20	721007	721017	D	Q	£787.00
				150	0.70	0.30					
				30	2.00	1.00					
730491	12	50-1200	5.00	1200	0.50	0.20	721006	721016	H, Z	T	£787.00
				600	1.00	0.30					
				120	2.50	1.00					

For Sartorius tips, please see pages 58-59

Need Tips?
See the full range in our
Tips section pages 43-63

eLINE® Accessories

eLINE® Charging Stands

eLINE pipettes can be charged using the direct AC-adaptor supplied or more conveniently in an optional charging stand, where they are stored securely and ready for use. It is possible to continue using the pipette while it is being charged through the AC-adaptor.

Charging stands are available in either a single position version or a carousel for up to four eLINE pipettes. The compact design of the carousel saves bench space and its rotating head provides easy access to the desired unit. Both stands are also compatible with the Sartorius Picus range for complete flexibility.

eLINE® Charging Stands		
Cat. No.	Description	Price/£
730981	Single Position Charging Stand for eLINE & Picus	£190.00
730991	Four Position Charging Stand for eLINE & Picus	£345.00
725620	Liner Stand (Non-charging)	£50.50
731602	Universal AC Charging Adaptor for eLINE	£63.30



Replacement Battery

The eLINE uses a Ni-MH rechargeable battery and this will need to be replaced periodically, depending on usage. A replacement battery pack is available, which includes a compartment cover.

eLINE® Accessories		
Cat. No.	Description	Price/£
731001	eLINE Battery Pack	£64.76



Pricing and Online Ordering at www.alphalabs.co.uk

eLINE® Electronic Pipettes

alpha+ Pipettes

**NEW
range**

alpha+

Accuracy, Performance and Value

The new range of **alpha+** pipettes provides variable and fixed volume single channel, plus 8 and 12-channel models.

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 within an attractive modern design.

Each pipette is supplied with a full calibration report according to ISO8655:2002 part 6. The pipettes are fully autoclavable without dismantling and carry a three year warranty.

Performance

- Calibration report according to ISO8655:2002 part 6 enclosed with every pipette
- Ensures high accuracy and precision
- Body grip made from TPE (Thermo Plastic Elastomer) insulates the pipette to minimise transfer of body heat to maintain high accuracy even in continuous use

Ergonomics

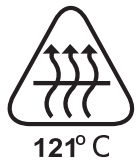
- Ergonomic design for minimum fatigue of hands and fingers
- Light weight
- Soft-grip body
- Soft plunger movement for reduced thumb stress
- Finger hook for support

Easy to Use

- Easy model volume identification through colour coding
- Click-stop digital system for volume setting

Robust and Reliable

- Autoclavable
- UV resistant
- 3 year warranty



121° C



Need Tips?
See the full range in our
Tips section pages 43-63

alpha+ Pipettes Ordering Information

Catalogue Number	Volume Range	Increments μ l	Error of Trueness % at Nominal Volume	Imprecision % at Nominal Volume	Price ex.VAT
Variable Volume Single Channel alpha+ Pipettes					
APV000025	0.1-2.5 μ l	0.01	2.5	1.6	£46.00
APV000100	0.5-10 μ l	0.1	1	0.6	£46.00
APV000200	2-20 μ l	0.1	0.9	0.4	£46.00
APV000500	5-50 μ l	0.5	0.6	0.3	£46.00
APV001000	10-100 μ l	0.5	0.8	0.2	£46.00
APV002000	20-200 μ l	1	0.6	0.2	£46.00
APV010000	100-1000 μ l	5	0.6	0.2	£46.00
APV050000	500-5000 μ l	50	0.6	0.2	£54.50
APV100000	1000-10000 μ l	100	0.6	0.2	£54.50
Fixed Volume Single Channel alpha+ Pipettes					
APF000025	2.5 μ l	N/A	2.0	1.6	£24.20
APF000050	5 μ l	N/A	1.3	1.2	£24.20
APF000100	10 μ l	N/A	1.2	0.8	£24.20
APF000200	20 μ l	N/A	1.0	0.5	£24.20
APF000250	25 μ l	N/A	1.0	0.3	£24.20
APF000400	40 μ l	N/A	1.0	0.3	£24.20
APF000500	50 μ l	N/A	0.7	0.3	£24.20
APF001000	100 μ l	N/A	0.6	0.2	£24.20
APF002000	200 μ l	N/A	0.6	0.2	£24.20
APF002500	250 μ l	N/A	0.6	0.2	£24.20
APF005000	500 μ l	N/A	0.6	0.2	£24.20
APF010000	1ml	N/A	0.6	0.2	£24.20
APF020000	2ml	N/A	0.3	0.2	£32.80
APF050000	5ml	N/A	0.3	0.2	£32.80
APF100000	10ml	N/A	0.6	0.2	£32.80

Other volumes may be available subject to minimum order requirements

alpha+ Multichannel Pipettes

Designed with the same care and attention to detail as the single channel **alpha+** range, the multi-channel range comes with a choice of 8- or 12- tip 360° swivel head. This range is also autoclavable and carries a 3 year warranty.

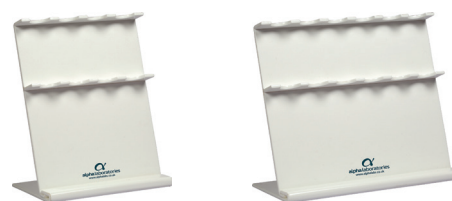
Catalogue Number	Volume Range	Increments μ l	Error of Trueness % at Nominal Volume	Imprecision % at Nominal Volume	Price ex.VAT
8-Channel alpha+ Pipettes					
AP80010	0.5-10 μ l	0.1	1.5	1.5	£155.20
AP80050	5-50 μ l	0.5	1.0	0.7	£155.20
AP80100	10-100 μ l	1.0	1.0	0.5	£155.20
AP80200	20-200 μ l	1.0	0.7	0.25	£155.20
AP80300	30-300 μ l	1.0	0.8	0.25	£155.20
12-Channel alpha+ Pipettes					
AP120010	0.5-10 μ l	0.1	1.5	1.5	£224.20
AP120050	5-50 μ l	0.5	1.0	0.7	£224.20
AP120100	10-100 μ l	1.0	1.0	0.5	£224.20
AP120200	20-200 μ l	1.0	0.7	0.25	£224.20
AP120300	30-300 μ l	1.0	0.8	0.25	£224.20

For the latest tip fit information visit www.alphalabs.co.uk/alphaplustipfit



alpha+ Pipette Stands

Cat. No.	Description	Price ex. VAT
APS-4	Stand to hold 4 x alpha+ Pipettes	£19.00
APS-6	Stand to hold 6 x alpha+ Pipettes	£22.50



Safe-Cone Filters

These are the ultimate pipette protectors. Safe-Cone filters are made of polyethylene and act as a barrier to prevent any fluids and liquid vapours from reaching the internal components of your Sartorius pipette. Simply insert them into the tip cone and change regularly depending on the sample and application you are using.



Removal is easy using the forceps provided with your new Sartorius pipette. The mLINE® range features a convenient, built-in filter ejector for even quicker removal. It is recommended to clean the tip cone with 70% ethanol prior to inserting a new filter.

Benefits

- Prevent contamination of your pipette and sample
- Prolong the lifetime of your pipette
- Reduce maintenance requirement

There are 2 types of Safe-Cone filter:

Standard Filter

These can be used for all general applications.

Catalogue Number	Description	Pack Size	Price ex. VAT
721014	Standard PE Safe-Cone Filter, 1.83 mm diameter	50	£21.40
721008	Standard PE Safe-Cone Filter, 2.51 mm diameter	50	£20.80
721007	Standard PE Safe-Cone Filter, 3.15 mm diameter	50	£20.80
721006	Standard PE Safe-Cone Filter, 5.33 mm diameter	50	£20.80
721005	Standard PE Safe-Cone Filter, 6.73 mm diameter	50	£21.40

Plus Filter

These are recommended for more demanding applications such as radioactive work, cell culture, bacterial and virological studies and molecular biology.

Catalogue Number	Description	Pack Size	Price ex. VAT
721018	Plus PE Safe-Cone Filter, 2.51 mm diameter	50	£21.40
721017	Plus PE Safe-Cone Filter, 3.15 mm diameter	50	£21.40
721016	Plus PE Safe-Cone Filter, 5.33 mm diameter	50	£21.40
721015	Plus PE Safe-Cone Filter, 6.73 mm diameter	50	£21.40

See relevant pipette pages for the correct Safe-Cone filter for your particular pipette: mLINE p.22, Proline Plus p.26, Proline p.30, Picus p.34, eLINE p.38.



- Do you suffer from tired, aching limbs when pipetting over long periods?
- Would you like to learn pipetting techniques to avoid strain injuries and ensure optimum results?

Request an on-site Pipetting Academy workshop and we'll show you how.

For further information email: pipette-service@alphalabs.co.uk or visit: www.alphalabs.co.uk/pipetting-academy





Pricing and Online Ordering at www.alphalabs.co.uk

alpha laboratories

supplying quality to science



2014

Alpha Laboratories Limited

40 Parham Drive
 Eastleigh, Hampshire
 SO50 4NU United Kingdom

Tel: 023 8048 3000

Fax: 023 8064 3701

Email: sales@alphalabs.co.uk

Web: www.alphalabs.co.uk

Customer Account Number

--	--	--	--	--	--	--	--

