

Liquid Handling

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LIQUIPETTE® Plastic Transfer Pipettes

Elkay have designed, manufactured and supplied their **LIQUIPETTE** range of plastic disposable Pasteur pipettes for over 30 years throughout the world.

Users have grown to accept the **LIQUIPETTE** as a leading brand with an unrivalled reputation for reliability and performance.

Manufactured from virgin LDPE (Low Density Polyethylene), the **LIQUIPETTE** comes in a range of sizes and packaging options. The standard carton of 500 pieces is made from a premium quality board which has a unique press-out section for easy access of the contents, keeping them dust and particle free when not in use.

The distinctive product selector pages that follow allow a single view of the comprehensive range over 3 pages (p7-9).

30 style and packaging options include new fine points, long-lengths, small bulbs and special styles for use with diagnostic kits.



LIQUIPETTE® meet the hygienic requirements of Commission Directive 2002/72/EC relating to plastic materials and articles intended to come in contact with foodstuffs (amended 2004/1/EC and 2004/19/EC)

LIQUIPETTE® are Phthalate and Silicone FREE as no plasticisers are used in the moulding process

LIQUIPETTE® are produced in accordance with ISO9001-2000 standards and are CE Certified

LIQUIPETTE® can be manufactured in **COLOUR**

LIQUIPETTE® Plastic Transfer Pipettes

Product	P522 LIQUIPETTE® Mini	P423 LIQUIPETTE® Fine point, micro extended	P217 LIQUIPETTE® Short, thin stem	P523 LIQUIPETTE® Mini-Plus
Length (cm)	8.5	10.4	8.6	11.5
Bulb Draw (ml)	1.0	1.0	3.0	1.0
Drop Size* (µl)	40	20	30	40



PACKAGING	NON-STERILE	Cat No	127-P522-000	127-P423-000	127-P217-000	127-P523-000
		Unit Qty	1000	400	1000	1000
		Unit Price (£)	23.00	18.50	22.00	23.00
	STERILE					
	SINGLE WRAP	Cat No		127-P423-STR		
		Unit Qty		250		
		Unit Price (£)		22.00		
	10 PACK	Cat No				
		Unit Qty				
		Unit Price (£)				
	20 PACK	Cat No		127-P423-20S		
		Unit Qty		500		
		Unit Price (£)		30.00		







* Drop sizes are nominal and may vary according to operator technique.



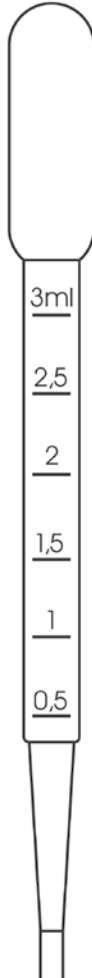

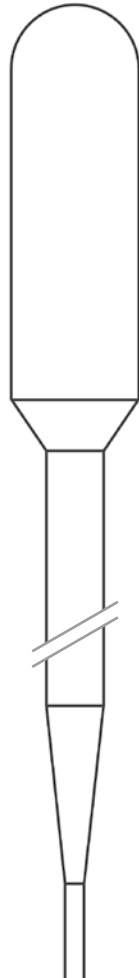
 = ACTUAL SIZE

Liquipette® is a registered trademark of Elkay Laboratory Products (UK) Ltd.

Drawings are shown for illustration purposes only.

We reserve the right to alter product dimensions accordingly.

P520 LIQUIPETTE® Junior	P521 LIQUIPETTE® Junior Fine	P409 LIQUIPETTE® Non-graduated, small bulb, fine point	P509 LIQUIPETTE® 1ml Graduated, small bulb	P406 LIQUIPETTE® Non-graduated, fine point	P507 LIQUIPETTE®
12.3	13.0	14.1	14.0	15.2	15.2
0.5	0.5	1.5	3.0	3.5	3.5
50	25	20	40	20	40
					
127-P520-000 1000	127-P521-000 1000	127-P409-000 500	127-P509-000 500	127-P406-000 500	127-P507-000 500
23.00	23.00	19.50	12.00	18.00	10.00
			127-P509-STR 250		127-P507-STR 250
			22.50		22.00
				127-P406-10S 1000	
				60.00	
				127-P406-20S 1000	
				55.00	

VALUE RANGE				
P511 LIQUIPETTE® 1ml Graduated	P502 LIQUIPETTE® 2.5ml Graduated	P503 LIQUIPETTE® 3ml Graduated	P514 LIQUIPETTE® Extra-long stem, standard bulb	P330 LIQUIPETTE® Maxi-30
15.2	15.6	15.2	22.9	30.0
3.5	2.5	3.5	3.5	10.0
40	40	45	40	40
				
127-P511-000 500	127-P502-000 10x500	127-P503-000 500	127-P514-000 500	127-P330-000 100
10.00	74.00	10.00	18.00	14.00
127-P511-STR 250		127-P503-STR 250	127-P514-STR 250	127-P330-STR 150
17.00		17.00	35.00	25.00
127-P511-10S 1000		127-P503-10S 1000		
38.00		38.00		
127-P511-20S 1000		127-P503-20S 1000		
34.00		34.00		

Elkay® Pipette Tips

Elkay pipette tips are designed to fit and function on a wide variety of single or multichannel pipettes as well as automated workstations in both research and routine laboratories.

CONSISTENT QUALITY

The finest grade Polypropylene raw material, state-of-the-art mould design and modern production techniques ensure that the optimum sealing and straightness of the tip are met on every occasion.

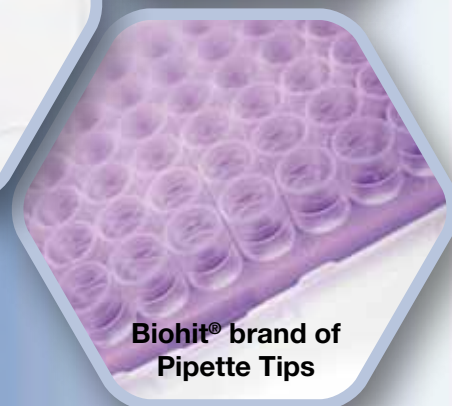
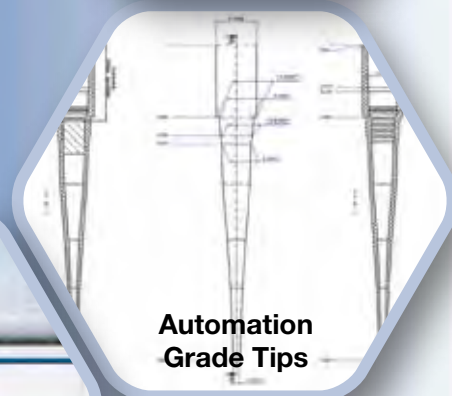
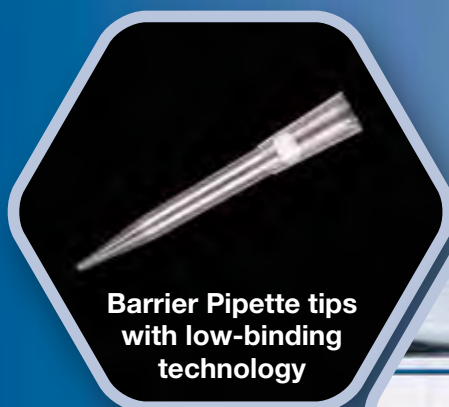
FIT AND FUNCTION

In order to reduce operator fatigue in manual liquid handling, Elkay pipette tips require minimal force to load and eject during use. Automation grade tips must be capable of fitting single and multichannel heads tightly with a 100% success rate... anything less is unacceptable.

MORE CHOICE

NEW Extended length tips, improved design automation grade tips and low binding technology in our filter tips means that Elkay continues to offer its customers a broader range of product whatever the application.

Visit the next 12 pages to see what's on offer:



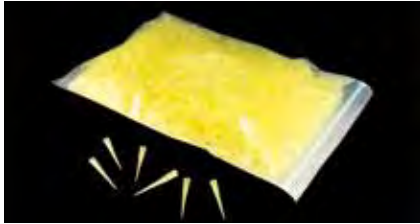
Whether you are performing routine Clinical tests or High Throughput Screening in automation, Elkay aims to meet the needs of customers by offering a consistent quality pipette tip at affordable prices.

Pipette Tip Packaging Options explained

Standard Tips

Polybag of Tips

Economically priced tips supplied in a sealed poly bag.



Polybag of loose tips

Racked Tips

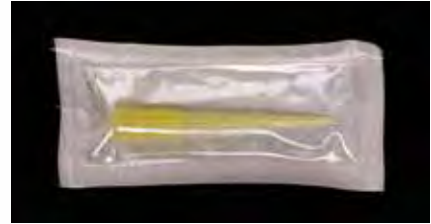
Elkay and other brands of tip, autoclavable tips/racks with hinged or standard lid. Most tips loaded in 8 x 12 or 10 x 6 formats. Available sterile.



Racked tips showing hinged and 'lift-off' lid

Sterile Pipette Tips

Elkay brand tips in racks of 96 or 100 and single wrap blister packs. Most tips can be single wrapped to special order.



Sterile single wrap blister pack of PIPT-STR

Gel Tips

Gel Tips are supplied in sturdy boxes of 200 or 204 tips per rack with lift-off lids and non sterile.



Filter Pipette Tips

Filter Tip racks are printed with Max Volume of tip, catalogue number and Elkay web address.

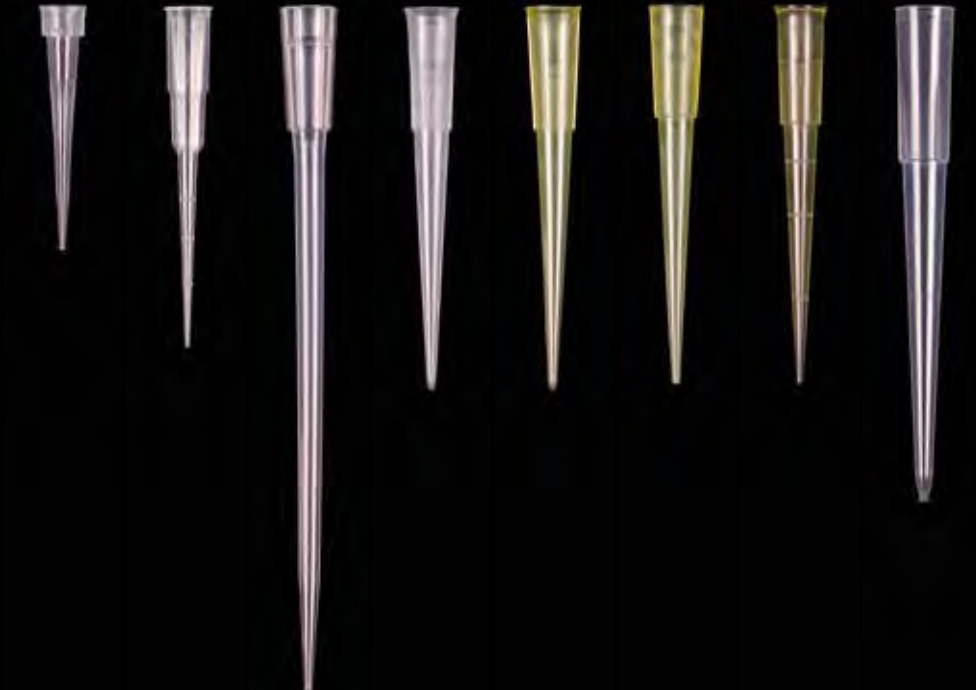


RefillPro Tip Reload System

Our new space-saving pipette tip reload system comes pre-stacked with 96-tip 'wafers' which can then be transferred, as needed, into the re-useable empty racks. This system is not only economical, but also reduces lab waste by up to 60% and is manufactured using recycled plastic racks.






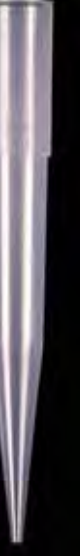



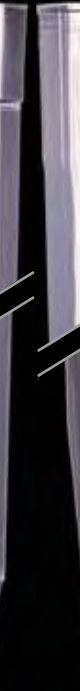


Elkay® Pipette Tips

Tip Volume	10µl	10µl EXTENDED	200µl EXTENDED	200µl	200µl	200µl	200µl	200µl
Colour	Natural	Natural	Natural	Natural	Yellow	Lemon	Yellow	Natural
								

PACKAGING	POLYBAG OF LOOSE TIPS	Cat No	RES-UIP-010	RES-UPEX-010	110	UNV-STND-000	01B	PIPT-01B	PIPT-03B	024
		Unit Qty	1000	1000	1000	1000	1000	1000	1000	1000
		Unit Price (£)	18.00	18.00	24.00	15.00	16.00	14.00	16.00	18.00
	BOX PACK	Cat No								
		Unit Qty								
		Unit Price (£)								
	TIP RACKS NON-STERILE	Cat No	RES-UIP-096	RES-UPEX-096		UNV-STND-096		PIPT-A96	PIPT-096	
		Unit Qty	10x96	10x96		10x96		10x96	10x96	
		Unit Price (£)	31.00	34.00		24.00		25.00	25.00	
	TIP RACKS STERILE	Cat No	RES-UIP-S96						PIPT-S96	
Unit Qty		10x96						10x96		
	Unit Price (£)	41.00						36.00		
INDIVIDUALLY WRAPPED STERILE	Cat No						PIPT-STRX*			
	Unit Qty						700			
	Unit Price (£)						48.00			

PIPETTOR COMPATIBILITY	Biohit®	✓	✓		✓		✓	✓	
	Brand®					✓			
	Eppendorf®			✓	✓	✓	✓	✓	
	Finnpipette®	✓	✓	✓	✓	✓	✓	✓	
	Gilson® Pipetman P2/P10	✓	✓						
	Gilson® Pipetman P20			✓	✓	✓	✓	✓	
	Gilson® Pipetman P100			✓	✓	✓	✓	✓	
	Gilson® Pipetman P200			✓	✓	✓	✓	✓	
	Gilson® Pipetman P1000								
	Gilson® Pipetman P5000								
	Nichipet® (Oxford)	✓	✓		✓	✓	✓	✓	✓
	Rainin®	✓	✓		✓	✓	✓	✓	
	Socorex®	✓	✓		✓		✓		

* Replaces PIPT-STR

300µl	1ml	1ml	1ml	1.25ml EXTENDED	5ml	5ml	5ml	10ml	10ml
Natural	Natural	Blue	Natural	Natural	Natural	Natural	Natural	Natural	
									
	NEW					NEW			NEW
300 1000	018N 1000	018 1000	025 1000		780308 1000	062 250	026 250	036 200	070 100
18.00	15.00	15.00	18.00		84.00	18.00	12.00	26.00	15.00
					780301 100				
					12.50				
	AUTO-N18 8x60	AUTO-A18** 8x60		034750 8x96	780304 50x10	AUTO-062*** 28			
	17.60	17.60		33.00	77.00	35.00			
		STER-A18 8x60		034760 8x96					
		25.00		38.00					
	STER-N18 350	STER-018X* 350							
	31.00	31.00							

✓	✓	✓		✓	✓				✓
✓	✓	✓		✓					
✓	✓	✓		✓			✓		
✓	✓	✓		✓		✓			✓
✓									
	✓	✓		✓					
							✓	P10000	
✓	✓	✓	✓	✓	✓		✓		
✓	✓	✓		✓			✓	✓	
✓	✓	✓		✓			✓		

* Replaces STER-018 ** Replaces AUT6-A18 *** 28-position pre-loaded autoclavable rack/lid

Elkay® Filter Pipette Tips

Our new range of Elkay Filter Tips reduce the risk of sample carry over and contamination of air displacement pipettors.

Two Way Protection

Elkay® tips protect in two ways:

- 1 by guarding the pipette tip cone from aerosol contamination; and
- 2 by protecting the sample in the tip from contaminated pipettes.





Low Binding Polymer Technology

This advanced process creates a hydrophobic surface that reduces the surface tension of the interior wall of the tip resulting in minimal sample binding.

Sensitive Applications

Elkay® tips are ideal in PCR® applications and other amplification reactions where contamination is not tolerated.



Tip Volume*	10µl	10µl	10µl	20µl
				
CATALOGUE NUMBER	AER-UIPI-S96	AER-UPEX-S96	AER-OGEL-R02	AER-OREF-S96
Unit Qty	10x96	10x96	5x204	10x96
Unit Price (£)	57.00	57.00	76.00	57.00
Low Binding?	YES	YES	NO	YES
Pipettor Compatibility	Biohit® Eppendorf® Finnpipette® Pipetman® P2/P10	Biohit® Eppendorf® Finnpipette® Pipetman® P2/P10	Pipetman® P2/P10	Eppendorf® Finnpipette® Pipetman® P20

* Elkay recommends customers test for a maximum working volume as the filter may inhibit using tips to the full tip volume.

Features include:

- Hydrophobic, inert filter material prevent aerosols from entering the tip cone of the micropipette.
- Ideal when handling infectious materials or assays involving PCR techniques.
- Available in several volume ranges and fit a multitude of micropipettes.
- Tips supplied in 96 position racks except for 100 or 204 position options (see chart).
- Tips are certified RNase, DNase, DNA and Pyrogen-free.



Filter Tip racks with lift off lids and tip i.d. printed on side of rack.



100µl	200µl	20µl, 100µl, 200µl	300µl	1000µl	1250µl
NEW					
AER-2REF-S96	AER-5REF-S96	AER-1REF-S96	AER-4REF-S96	AER-STE1-A18	AER-STE9-A18
10x96	10x96	10x96	10x96	10x100	8x96
57.00	57.00	60.00	57.00	57.00	49.00
YES	YES	YES	YES	YES	NO
Biohit® Eppendorf® Finnpipette® Pipetman® P100	Biohit® Eppendorf® Finnpipette® Pipetman® P200	Biohit® Eppendorf® Finnpipette® Pipetman® P20, P100, P200	Biohit® Eppendorf® Finnpipette® Pipetman® P200 Multichannels	Biohit® Eppendorf® Finnpipette® Pipetman® P1000	Biohit® Eppendorf® Finnpipette® 1000µl Pipetman® P1000

STORAGE SAVER
3 volumes in 1!

All images are to scale.

Elkay® Gel Tips

Loading acrylamide and even agarose gels with standard tips is often a time consuming and frustrating process. Few companies have the technology to produce tips specifically for this application.

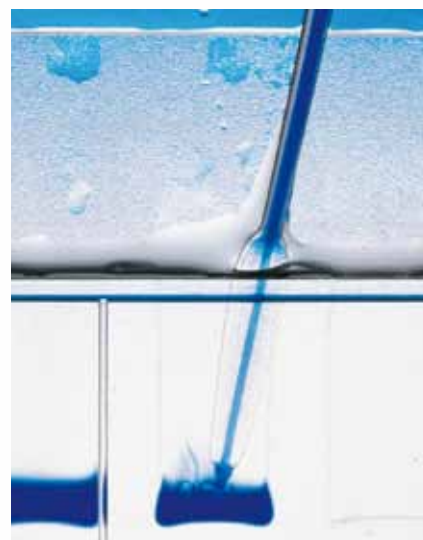
- Rounds tips (0.57mm) are used for loading gels such as SDS PAGE
- Flat tips are used for loading sequencing gels

Micro GEL Tips (0.1 - 10µl)

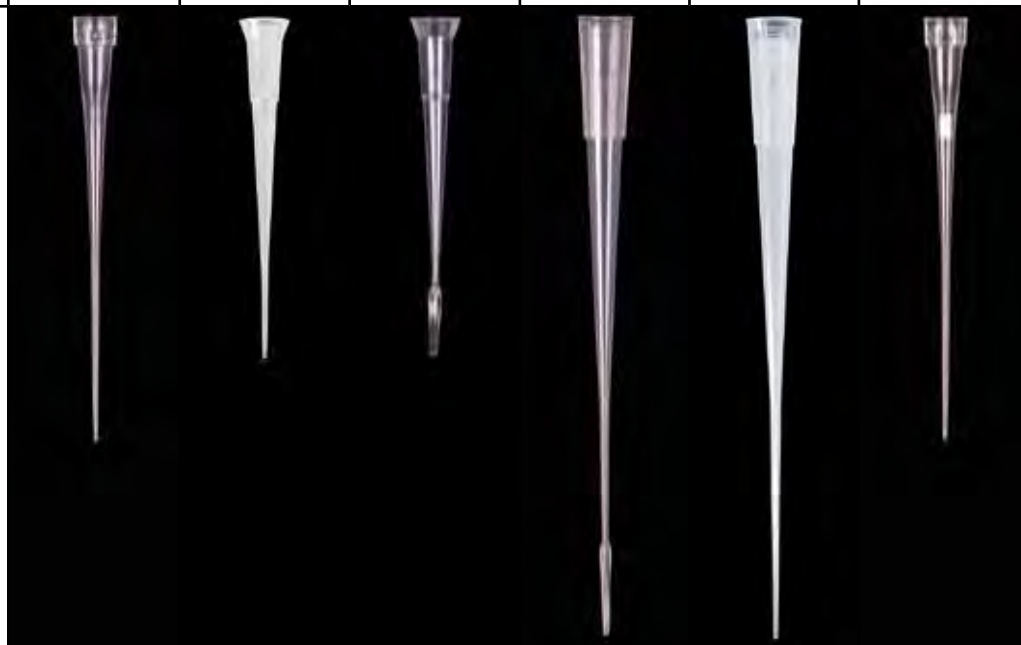
- Universal Fit for ultra-micro pipettes
- 45mm length for access to bottom of narrow vessels and gel wells
- 2µl graduation for quick volume check

Standard GEL Tips (0.5-200µl)

- Universal fit for research grade pipettes
- 83mm length for access to bottom of gel wells and vessels
- 5µl graduation for quick volume check



Product	Round Micro Tip Extra Length	Round Micro Tip 0.57mm O.D.	Flat Micro Tip 0.37mm O.D.	Flat 0.37mm O.D.	Round 0.57mm O.D.	Round with Filter
Tip Volume	10µl	10µl	10µl	200µl	200µl	10µl
Colour	Natural	Natural	Natural	Natural	Natural	Natural



CATALOGUE NUMBER	RES-0GEL-R02	RES-0GEL-MR1	RES-0GEL-MF2	RES-0GEL-F01	RES-0GEL-R01	AER-0GEL-R02
Unit Qty	5x204	2x200	2x200	2x200	2x200	5x204
Unit Price (£)	50.00	39.00	78.00	75.00	45.00	76.00

PIPETTOR COMPATIBILITY	Biohit®	✓	✓	✓	✓	✓	✓
	Eppendorf®	✓			✓	✓	✓
	Finnpipette®		✓	✓	✓	✓	
	Gilson® Pipetman P2/P10	✓	✓	✓			✓
	Gilson® Pipetman P20				✓	✓	
	Gilson® Pipetman P100				✓	✓	
	Gilson® Pipetman P200				✓	✓	
	Nichipet®	✓	✓	✓	✓	✓	✓
	Rainin®				✓	✓	
	Socorex®	✓			✓	✓	✓

All images are to scale.

RefillPro Tip Reload System

Our new pipette tip system is ideal for those laboratories looking for a robust and economical solution to their tip reloading requirements. RefillPro reduces plastic overall waste by 60% and incorporates autoclavable racks that have been manufactured from recycled plastic which make it an environmentally-friendly option as well.

Each refill pack contains 'wafers' of 96 tips nested together in 4 or 5 high stacks, includes a bottom tray in which the tips sit and a top tray which may be used as a dust cover. Each wafer can then be lifted and snapped effortlessly into the reusable plastic racks. The system requires no special tools or alignment devices.

Refill Pro features include:

- Available in 10µl extended, 200µl, 300µl and 1250µl extended volumes
- Durable, autoclavable reusable racks
- Tips are manufactured using 100% virgin polypropylene
- Certified RNase, Pyrogen and DNA Free

NEW!!

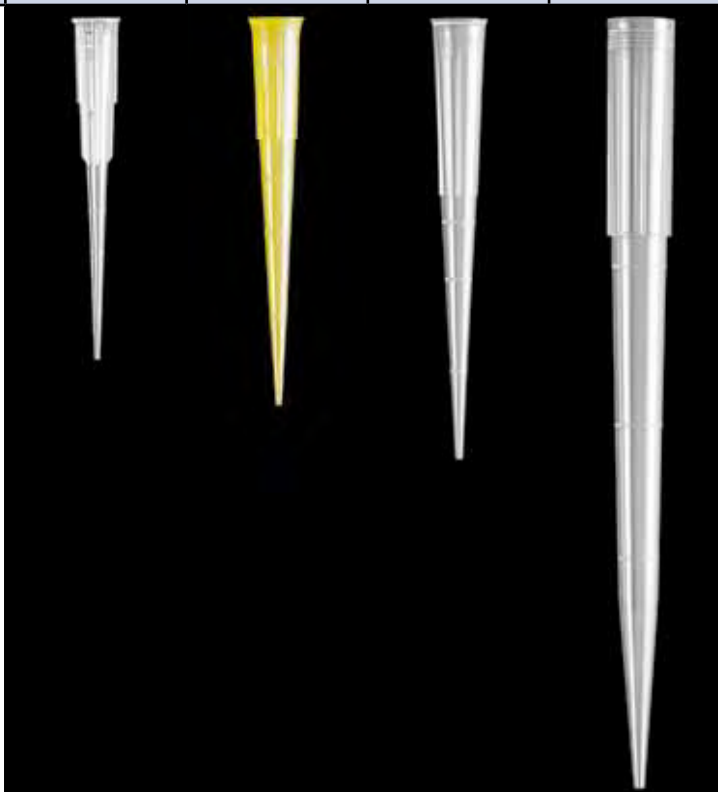
- Single and Multichannel pipette compatibility
- Hinged racks incorporate a unique locking mechanism
- See-through packaging for visual confirmation
- Plastic rack waste reduced by > 60%



Product	Extended Natural Graduated	Yellow Graduated	Natural Graduated	Extended Natural Graduated
Tip Volume	1-10ul	1-200ul	1-300ul	200-1250ul



All images actual size



PACKAGING	REFILL PRO STARTER KIT Includes one refill pack and empty racks*	Cat No	RFP-010R-960	RFP-200R-960	RFP-300R-960	RFP-100R-768
		Unit Qty	10x96	10x96	10x96	8x96
		Unit Price (£)	35.00	32.00	35.00	38.00
	REFILL PRO REFILL PACKS 40x96 = 4 packs of 10 nested tip wafers 32x96 = 4 packs of 8 nested tip wafers	Cat No	RFP-010R-L38	RFP-200R-L38	RFP-300R-L38	RFP-100R-L76
		Unit Qty	40x96	40x96	40x96	32x96
		Unit Price (£)	102.00	91.00	96.00	102.00
	REFILL PRO EMPTY RACKS	Cat No	RFP-RACK-300	RFP-RACK-300	RFP-RACK-300	RFP-RACK-125
		Unit Qty	24	24	24	16
		Unit Price (£)	42.00	42.00	42.00	36.00

* 10 empty racks in 10, 200 and 300µl, 8 empty racks in 1250µl



Automation Grade Pipette Tips Beckman® Compatible Tips

Our new line of cost-effective, precision manufactured disposable tips for use with the Biomek® FX and Multimek® 96 are available from stock.

FX / Multimek® 96 compatible tips are manufactured to the highest standards from virgin, low retention polypropylene. The tip design ensures a leak tight seal for total reliability and repeat usage.

The racks have been designed to withstand extreme force, ensuring reliable attachment of single, 96 or 384 tip pick-up. Each tip compartment in the rack is isolated to reduce the possibility of cross contamination.

Available sizes include a 20µl, 30µl, 50µl and a 250µl tip. All the tips are certified RNase, DNase and metal free and pre-sterilized filter versions offer protection against aerosol contamination.



Compatible with: Beckman BIOMEK® FX / NX, MULTIMEK® AP96 and 3000

Product	Standard	Filter	384 Finepoint	Standard	Filter	Standard	Filter
Tip Volume	20µl	20µl	30µl	50µl	50µl	250µl	250µl



PACKAGING	TIP RACKS NON-STERILE	Cat No	RFX-02R			RFX-05R		RFX-25R	
		Unit Qty	10x96			10x96		10x96	
		Unit Price (£)	33.00			46.00		33.00	
	TIP RACKS NON-STERILE	Cat No			RFX-03R				
		Unit Qty			10x384				
		Unit Price (£)			419.00				
	TIP RACKS STERILE	Cat No	RFX-02RS			RFX-05RS		RFX-25RS	
		Unit Qty	10x96			10x96		10x96	
		Unit Price (£)	36.00			54.00		36.00	
	TIP RACKS STERILE WITH FILTER	Cat No		AER-RFX-02R			AER-RFX-05R		AER-RFX-25R
		Unit Qty		10x96			10x96		10x96
		Unit Price (£)		89.00			99.00		89.00









Automation Grade Pipette Tips Beckman® SPAN8® Compatible Tips

This selection of black conductance tips for SPAN-8 heads offer a greater choice for the Biomek user.

- 20µl, 50µl and 250µl tips are offered with and without Filters



Compatible with: Beckman BIOMEK® FX and NX fitted with a SPAN-8 head

Product			SPAN8 Standard	SPAN8 Filter	SPAN8 Standard	SPAN8 Filter	SPAN8 Standard	SPAN8 Filter
Tip Volume			20µl	20µl	50µl	50µl (30µl with filter)	250µl	250µl (180µl with filter)
								
PACKAGING	TIP RACKS NON-STERILE	Cat No	BLK-RFX-02R		BLK-RFX-05R		BLK-RFX-25R	
		Unit Qty	10x96		10x96		10x96	
		Unit Price (£)	110.00		120.00		110.00	
	TIP RACKS STERILE WITH FILTER	Cat No		BLK-RFX-02RF		BLK-RFX-05RF		BLK-RFX-25RF
		Unit Qty		10x96		10x96		10x96
		Unit Price (£)		140.00		140.00		140.00



Automation Grade Pipette Tips Tecan® Compatible Tips

This robot sample processing equipment from Tecan® uses both metal probes and plastic disposable tips. Black, level sensing conductance tips are detailed below.

Colour-coded racks for easy tip volume identification.

RACK COLOUR	TIP VOLUME (µl)
White	20
Yellow	50
Blue	200
Red	1000



Compatible with: Tecan Genesis, Freedom, Evo, Miniprep & Carvo
Qiagen/Corbett CAS 1200/4200/4800 & Qiagility
Perkin Elmer (Packard) MultiPROBE II & Janus (w/MultiPROBE Head)

Product		Black Conductive Standard	Black Conductive Standard	Black Conductive Filter	Black Conductive Standard	Black Conductive Filter	Black Conductive Standard	Black Conductive Filter
Tip Volume		20µl	50µl	50µl	200µl	200µl	1000µl	1000µl
PACKAGING	TIP RACKS NON-STERILE	Cat No	BLK-TECN-020R	BLK-TECN-050R		BLK-TECN-200R		BLK-TECN-100R
		Unit Qty	10x96	10x96		10x96		10x96
	TIP RACKS STERILE WITH FILTER	Unit Price (£)	80.00	80.00		80.00		80.00
PACKAGING	TIP RACKS NON-STERILE	Cat No			BLK-TECN-050RF		BLK-TECN-200RF	BLK-TECN-100RF
		Unit Qty			10x96		10x96	10x96
	TIP RACKS STERILE WITH FILTER	Unit Price (£)			120.00		120.00	120.00



Automation Grade Pipette Tips

Qiagen® and Grifols T4 Triturus® Compatible Tips

Qiagen® automation systems use conductive (level sensing) and standard tips in automated high throughput applications.

NOW AVAILABLE! Two new tips for the Grifols ELISA analyser in 300µl and 1100µl volumes.






Colour-coded racks for easy tip volume identification.



RACK COLOUR	TIP VOLUME (µl)
Brown	300
Grey	1100



Compatible with: Qiagen BioRobots 3000, 8000, 9600 and 9604, and Grifols Triturus

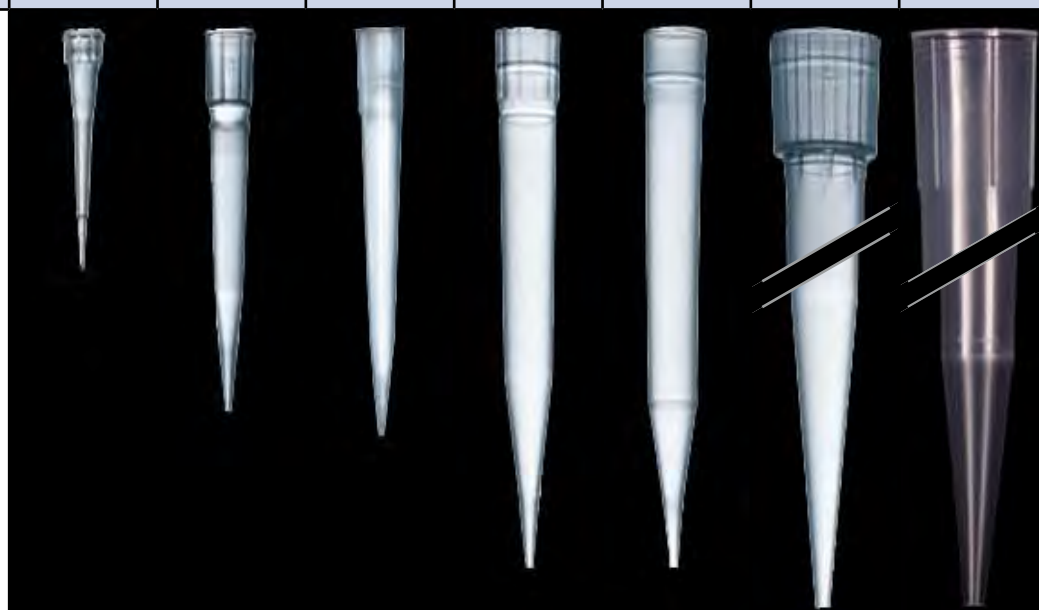
Product			Black Conductive Standard	Black Conductive Filter	Black Conductive Standard	Black Conductive Filter
Tip Volume			300µl	300µl	1100µl	1100µl
						
PACKAGING	QIAGEN TIP RACKS NON-STERILE	Cat No	BLK-QAGN-300R		BLK-QAGN-110R	
		Unit Qty	10x96		10x96	
	QIAGEN TIP RACKS STERILE WITH FILTER	Unit Price (£)	78.00		78.00	
		Cat No		BLK-QAGN-300RF		BLK-QAGN-110RF
	GRIFOLS TIP BAGS NON-STERILE	Unit Qty		10x96		10x96
		Unit Price (£)		120.00		120.00
		Cat No	BLK-GRIF-300B		BLK-GRIF-110B	
		Unit Qty	960		960	
		Unit Price (£)	62.00		78.00	

Biohit Standard Pipette Tips

Biohit tips have been developed to perfectly match Biohit pipettors. By developing and producing both pipettors and tips, Biohit is able to offer the best possible compatibility and pipetting results.

- Made of high-quality pure virgin polypropylene
- Certified free from metals, like cadmium
- Matched with the pipette tip cone for secure sealing and easy tip ejection
- Autoclavable
- Packed in easy-to-use, fully recyclable and environmentally friendly (ISO 14001) packages
- CE/IVD marked and covered by ISO 13485

Volume Range	0.1-10µl	0.5-300µl	5-350µl	10-1000µl	50-1200µl	100-5000µl	1-10ml
Length	31.5 mm	51.0 mm	54.0 mm	71.5 mm	71.5 mm	150 mm	160 mm



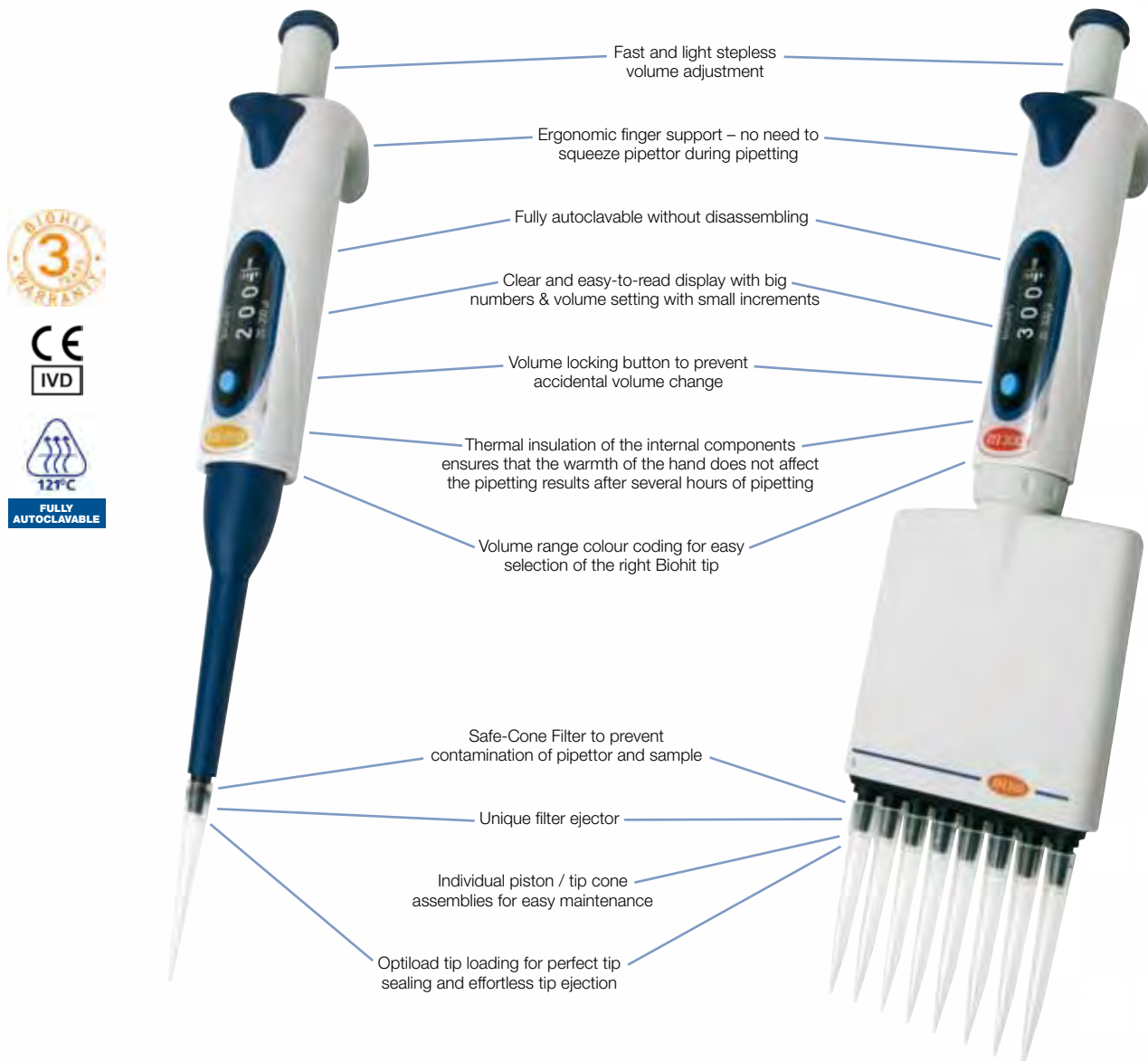
BIOHIT TIP ORDERING INFORMATION (full tip ordering details on page 25)								
TIP RACKS NON-STERILE	Cat No	790010	790300	790350	791000	791200	780304	
	Unit Qty	10x96	10x96	10x96	10x96	10x96	10x50	
	Unit Price (£)	35.00	34.00	34.00	31.00	50.00	77.00	
BOX PACK NON-STERILE	Cat No						780301	
	Unit Qty						100	
	Unit Price (£)						12.50	
POLYBAG OF LOOSE TIPS NON-STERILE	Cat No						780308	780315
	Unit Qty						1000	250
	Unit Price (£)						84.00	48.00

BIOHIT TIP REFILL SYSTEM								
TIP RACK REFILL NON-STERILE	Cat No	790012	790302	790352	791002	791202		
	Unit Qty	10x96	10x96	10x96	10x96	10x96		
	Unit Price (£)	31.00	27.00	28.00	28.00	36.00		

EMPTY TIP BOXES FOR REFILL SYSTEM		
TIP TYPES: 10, 300 & 350µl	Cat No	790910
	Unit Qty	10
	Unit Price (£)	9.20
TIP TYPES: 1000 & 1200ml	Cat No	790920
	Unit Qty	10
	Unit Price (£)	9.20



Biohit mLINE® Mechanical Pipettes



FULLY AUTOCLAVABLE



HASSLE-FREE VOLUME CONTROL

mLINE makes volume adjustment light and easy, and helps you avoid possible strain and wrist ache. Volume adjustment is achieved by releasing a volume lock using your fingertips. Biohit's patented locking mechanism ensures no accidental volume changes occur during pipetting.



CONSISTANT AND EVEN TIP LOADING

All mLINE pipettors are equipped with unique spring loaded tip cones. The Optiload® mechanism allows tips to be loaded with minimal force, ensuring a safe and even tip seal to each tip cone(s). It also makes for light and easy tip ejection. Optiload is useful when loading multichannel models where constant and even sealing is essential.



EASY, SIMPLE MAINTENANCE









To keep your mLINE pipettor in good operating condition, it is essential you clean and calibrate it regularly. We make it easy for you by providing everything you need to get started. Each mLINE comes with a calibration tool (which also acts as a PCR tube cap opener) and autoclavable grease. No opening tools are needed and only 3-4 parts must be cleaned.

Biohit mLine® Single Channel Pipettors

mLINE mechanical pipettes offer

- Extremely light Pipetting and tip ejection
- Unique safety features such as stepless volume adjustment and patented volume locking system
- Thermal insulation of internal components to improve accuracy
- Full autoclavability without dismantling
- Easy cleaning, maintenance and calibration
- ID tag and colour-coded caps
- Safe-cone Filters and unique filter ejection



Type	<i>m3</i>	<i>m10</i>	<i>m20</i>	<i>m100</i>	<i>m200</i>	<i>m1000</i>	<i>m5000</i>	<i>m10ml</i>	
Channels	1	1	1	1	1	1	1	1	
Volume Range	0.1-3µl	0.5-10µl	2-20µl	10-100µl	20-200µl	100-1000µl	0.5-5ml	1-10ml	
Tip Volume (µl)	10	10	300	300, 350	300, 350	1000	5000	10000	
									
CATALOGUE NUMBER	725010	725020	725030	725050	725060	725070	725080	725090	
Unit Price (£)	168.00	168.00	160.00	160.00	160.00	160.00	160.00	168.00	
PERFORMANCE SPECIFICATIONS									
Increment (µl)	0.002	0.01	0.02	0.10	0.20	1.00	10.0	20.0	
Test Volume (µl)	0.3-3	0.5-10	2-20	10-100	20-200	100-1000	500-5000	1000-10000	
Inaccuracy (%)	10.00-1.30	5.00-1.00	3.00-0.90	2.00-0.80	2.00-0.60	1.00-0.60	2.00-0.50	3.00-0.6	
Imprecision (%)	6.00-0.80	4.00-0.60	2.00-0.40	1.00-0.15	0.80-0.15	0.40-0.20	0.60-0.20	0.6-0.2	
SAFE-CONE FILTER									
Cat No	-----	-----	721014	721008	721007	721006	721005	721005	
BIOHIT TIP ORDERING INFORMATION (full tip ordering details on page 22)									
TIP RACKS NON-STERILE	Cat No	790010	790010	790300	790300 790350	790300 790350	791000	780304	
TIP RACK REFILL NON-STERILE	Cat No	790012	790012	790302	790302 790352	790302 790352	791002	780301 (bag 100) 780308 (bag 1000)	780315 (bag 250)

Product images are not to scale



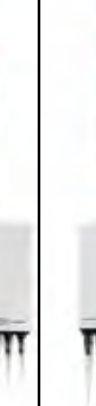



Biohit mLine® Multi-Channel Pipettors

The user friendly mLINE 8 and 12 channel pipettes offer the same benefits and technology brought to you by the mLINE single channel pipettes, but with the time-saving advantage of pipetting multiple samples simultaneously. A particular feature of the multichannel mLINE is the rotating dispensing head for optimal pipetting convenience.

Superior Design

The construction of mLINE multichannel pipettes with features such as individual piston/tip cone assemblies, spring-loaded tip cones, and low-friction sealing, as well as individually detachable tip cones for easy maintenance, make mLINE the optimal solution for ergonomic and safe mechanical pipetting.



Type	<i>m10</i>	<i>m10</i>	<i>m100</i>	<i>m100</i>	<i>m300</i>	<i>m300</i>	
Channels	8	12	8	12	8	12	
Volume Range	0.5-10µl	0.5-10µl	5-100µl	5-100µl	30-300µl	30-300µl	
Tip Volume (µl)	10	10	300, 350	300, 350	350	350	
							
CATALOGUE NUMBER	725120	725220	725130	725230	725140	725240	
Unit Price (£)	460.00	560.00	460.00	560.00	460.00	560.00	
PERFORMANCE SPECIFICATIONS							
Increment (µl)	0.01	0.01	0.10	0.10	0.20	0.20	
Test Volume (µl)	1-10	1-10	10-100	10-100	30-300	30-300	
Inaccuracy (%)	4.00-1.5	4.00-1.5	3.00-0.70	3.00-0.70	2.00-0.60	2.00-0.60	
Imprecision (%)	4.00-1.00	4.00-1.00	1.50-0.25	1.50-0.25	1.00-0.25	1.00-0.25	
SAFE-CONE FILTER							
Cat No	-----	-----	721008	721008	721007	721007	
BIOHIT TIP ORDERING INFORMATION (full tip ordering details on page 22)							
TIP RACKS NON-STERILE	Cat No	790010	790010	790300 790350	790300 790350	790350	790350
TIP RACK REFILL NON-STERILE	Cat No	790012	790012	790302 790352	790302 790352	790352	790352

Product images are not to scale

**Different stand
options available**

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Biohit mLine® Accessories & Calibration Information

Biohit mLine® Starter Kits



Renew your old stock or get your lab up and running with an mLINE single-channel Starter Kit. With two kits to choose from and a variety of tips to try, what more do you need?

Biohit mLine® Starter Kits

CATALOGUE NUMBER	DESCRIPTION	UNIT PRICE (£)
725651	mLINE Starter Kit 1 Contains three mLINE Single-channel Pipettors: 0.5-10µl, 10-100µl and 100-1000µl, plus 1 x Single Tray of 0.2-10µl, 0.5-300µl and 10-1000µl tips, 3 x Pipette Holders, Calibration Tool, Biohit Bag and Biohit Pen.	384.00
725652	mLINE Starter Kit 2 Contains three mLINE Single-channel Pipettors: 2-20µl, 20-200µl and 100-1000µl, plus 2 x Single Tray of 0.5-300µl and 1 x 10-1000µl tips, 3 x Pipette Holders, Calibration Tool, Biohit Bag and Biohit Pen.	384.00

Safe-Cone Filters

Biohit offer this unique, replaceable filter to help protect your mLINE pipettor from sample contamination.



The Safe-Cone filters:

- Act as a final barrier to prevent fluids and liquid vapours from reaching the internal components of the pipettor.
- Can be easily and safely removed by pressing the plunger button.
- Are available for all models greater than 20µl.

Safe-Cone Filters

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
721014	Ø 1.83mm PP, Fits m20 Pipettor	50	18.00
721008	Ø 2.51mm PE, Fits all m100 Pipettors	50	18.00
721007	Ø 3.15 mm PE, Fits all m200 & m300 Pipettors	50	18.00
721006	Ø 5.33mm PE, Fits m1000 Pipettor	50	18.00
721005	Ø 6.73mm PE, Fits m5000 & m10ml Pipettors	50	18.00

Stands and Accessories



When not in use, a pipettor should always be stored in an upright position to avoid possible contamination from the workbench. Elkay offer two stands in either a carousel or linear style for maximum flexibility in space saving. Each stand can hold up to six pipettors.

Stands and Accessories

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
725600	mLINE Carousel Stand	1	63.00
725620	mLINE Linear Stand	1	52.00

Biohit eLINE® Electronic Pipettes



UNIQUE ONE-TOUCH ELECTRONIC TIP EJECTION

Repetitive Strain Injury (RSI) is a common threat to anyone using standard pipettes on a regular basis. In their bid to **help combat RSI**, Biohit has integrated their light-touch electronic tip ejection in every eLINE pipette.

The eLINE is the only pipette on the market to offer electronic tip ejection. Biohit have designed this feature to accommodate both left and right-handed operators.

PATENTED 'DC-MOTOR CONCEPT'

Every eLINE pipette includes Biohits unique concept of the DC-motor, solenoid brake and integrated error control, providing users **improved accuracy, precision and reliability**.

The solenoid brake offers 10 times more precise positioning of the piston compared to a more commonly used stepper motor. This is particularly advantageous when using the multi-dispensing mode where the liquid column is cut sharply to achieve even doses.

The built-in error control monitors the piston movement in real-time, ensuring that if an error does occur, it will notify the user immediately, allowing for increased reliability.



Biohit eLine® Micropipettes Electronic Single Channel Pipettors

If you are looking for a light-weight, ergonomic pipettor with the ultimate blend of accuracy and precision, look no further than the eLINE electronic pipettor. With a plethora of additional features, even the most critical researcher would welcome the eLINE as their liquid handling partner of choice.

eLINE electronic pipettes offer

- Lightweight and ergonomic design that suits both left and right-handed operators
- Superior accuracy and precision due to the patented DC-motor and solenoid brake
- Exclusive one-touch electronic tip ejection system (right or left-handed operation)
- Built-in error control for more reliable results
- Offers 11 operation modes with 9 aspiration and dispensing speeds
- Ability to store up to 6 pipetting protocols to memory
- Twice the speed of a mechanical pipettor
- Autoclavable lower parts



Type	e10	e120	e300	e1000	e5000
Channels	1	1	1	1	1
Volume Range	0.2-10µl	5-120µl	10-300µl	50-1000µl	100-5000µl*
Tip Volume (µl)	10	300, 350	350	1000	5000
CATALOGUE NUMBER	730021	730041	730061	730081	730101
Unit Price (£)	£405.00	£390.00	£390.00	£390.00	£390.00

PERFORMANCE SPECIFICATIONS					
Increment (µl)	0.05	0.50	1.00	5.00	10.00
Test Volume (µl)	0.2-10	5-120	10-300	50-1000	500-5000
Inaccuracy (%)	12.00-0.90	3.50-0.40	3.50-0.40	2.00-0.40	1.00-0.50
Imprecision (%)	10.0-0.40	1.50-0.15	2.00-0.15	1.00-0.15	0.40-0.15

SAFE-CONE FILTER						
Cat No		-----	721008	721007	721006	721006
BIOHIT TIP ORDERING INFORMATION (full tip ordering details on page 22)						
TIP RACKS NON-STERILE	Cat No	790010	790300 790350	790350	791000	780304
TIP RACK REFILL NON-STERILE	Cat No	790012	790302 790352	790352	791002	-----

* Minimum volume of 100µl is only available in D-mode. P-mode minimum volume is 500µl.

Biohit eLine® Micropipettes Electronic Multi Channel Pipettors

In addition to the feature-packed single-channel eLINEs, the multichannel versions also offer

- 8 or 12-channel simultaneous pipetting for time-saving liquid handling. Ideal for 96, 384 and 1536 high-throughput assays
- Optiload tip loading mechanism utilises spring-loaded tips for even loading and sealing
- Bi-directional rotating head for optimal convenience
- Autoclavable dispensing head (excl. 1200µl 8/12 models)



Type	e10	e10	e120	e120	e300	e300	e1200	e1200
Channels	8	12	8	12	8	12	8	12
Volume Range	0.2-10µl	0.2-10µl	5-120µl	5-120µl	10-300µl	10-300µl	50-1200µl	50-1200µl
Tip Volume (µl)	10	10	300, 350	300, 350	350	350	1200	1200
CATALOGUE NUMBER	730321	730421	730341	730441	730361	730461	730391	730491
Unit Price (£)	£700.00	£799.00	£640.00	£750.00	£640.00	£750.00	£700.00	£799.00

PERFORMANCE SPECIFICATIONS								
Increment (µl)	0.05	0.05	0.50	0.50	1.00	1.00	5.00	5.00
Test Volume (µl)	1-10	1-10	12-120	12-120	30-300	30-300	120-1200	120-1200
Inaccuracy (%)	4.00-0.90	4.00-0.90	2.00-0.50	2.00-0.50	2.00-0.50	2.00-0.50	2.50-0.50	2.50-0.50
Imprecision (%)	3.00-0.50	3.00-0.50	1.50-0.20	1.50-0.20	1.00-0.20	1.00-0.20	1.00-0.20	1.00-0.20

SAFE-CONE FILTER								
	Cat No	-----	-----	721008	721008	721007	721007	721006
BIOHIT TIP ORDERING INFORMATION (full tip ordering details on page 22)								
TIP RACKS NON-STERILE	Cat No	790010	790010	790300 790350	790300 790350	790350	790350	791200
TIP RACK REFILL NON-STERILE	Cat No	790012	790012	790302 790352	790302 790352	790352	790352	791202



eLine® Charging Carousels & Accessories

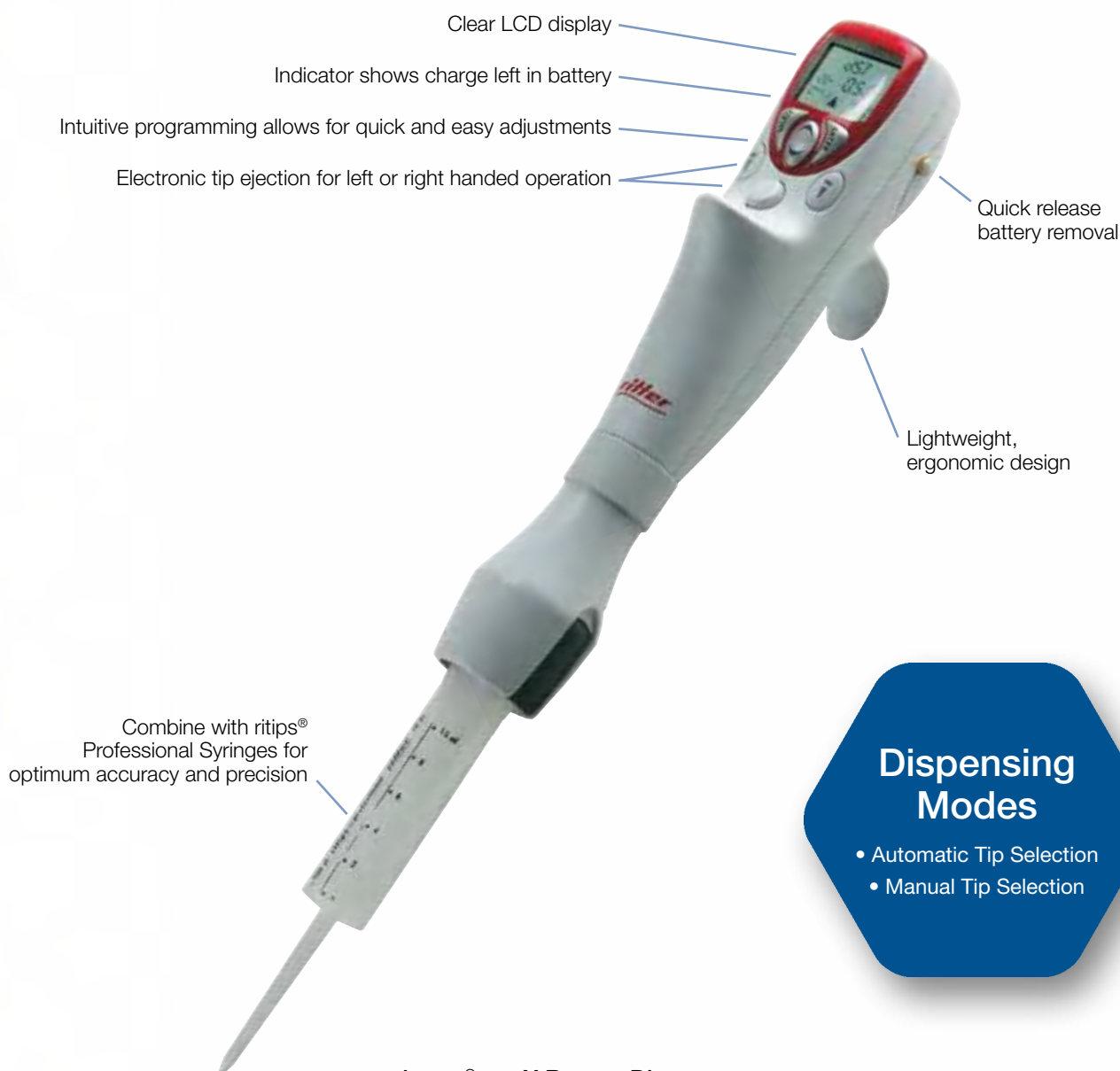
CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
730981	1-Place Charging Stand	1	170.00
730991	4-Place Charging Stand	1	340.00
731001	eLINE Replacement Battery	1	64.00

ripette® genX Repeat Dispenser



Electronic dispenser for high-precision dosage applications.

- Dispensing volume range from 1µl to 50ml
- Contamination free dispensing utilising a positive displacement principle
- Direct charging option allows unit to charge whilst in use
- Patented motor technology ensures precise and reliable dispensing every time
- Integrated Tip Guide - Enter required dosage volume and number of aliquots and the genX will recommend the most suitable tip



Dispensing Modes

- Automatic Tip Selection
- Manual Tip Selection

ripette® genX Repeat Dispenser





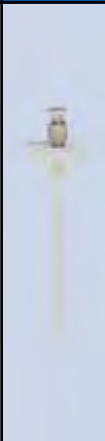








CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
42102-0000	ripette® genX Repeat Dispenser comes with battery, AC charger, operation manual, QC certificate, stand adaptor	1	419.00
42106-0000	Holder for ripette® genX	1	89.00
42102-0001	Comfort Pack: Includes ripette® genX Repeat Dispenser plus Holder	1	459.00

Ritips™ Professional Dispenser Syringes

The most universal dispenser syringe available on the market.

Our new generation of precision-made dispenser syringes are ideal for routine and research use.

- Perfect partner for use with ripette® genX and ExelStep® Repeat Dispensers. Also designed to fit into most common dispensing systems such as:
 - Eppendorf Multipette® plus, Multipette® 4780 and Multipette® pro
 - HandyStep® and HandyStep® Electronic
- Smooth action plungers.
- Nine syringe capacities from 0.1ml to 50ml.
- Available in Sterile blister packs or non sterile economy boxes
- Black printed graduations for easy volume verification
- Test Pack available (20 off 0.5ml, 1ml, 2.5ml, 5ml and 10ml per pack)

Syringe Volume		0.1ml	0.2ml	0.5ml	1.0ml	2.5ml	5.0ml	10ml	25ml *	50ml *
 										
NON-STERILE	Cat No	40007-0000	40007-0001	40007-0003	40007-0004	40007-0005	40007-0006	40007-0007	40007-0009	40007-0010
	Unit Qty	100	100	100	100	100	100	100	25	25
	Unit Price (£)	53.00	53.00	53.00	53.00	53.00	53.00	53.00	18.00	19.00
STERILE	Cat No	40007-0011	40007-0012	40007-0013	40007-0014	40007-0015	40007-0016	40007-0017	40007-0019	40007-0020
	Unit Qty	100	100	100	100	100	100	100	25	25
	Unit Price (£)	95.00	95.00	95.00	95.00	95.00	95.00	95.00	28.00	30.00

TEST PACK		
20 x 0.5ml, 1.0ml, 2.5ml, 5.0ml & 10ml	Cat No	40007-0100
	Unit Qty	100
	Unit Price (£)	42.00

ADAPTOR		
For use with 25ml and 50ml syringes	Cat No	43001-0047
	Unit Qty	Pk of 3
	Unit Price (£)	15.00



Images are not to scale



Technical Data

Ritip® PROFESSIONAL TIP SIZE	DOSAGE VOLUME (µl)	SYSTEMATIC ERROR	RANDOM ERROR
0.1 ml	2	±1.60%	≤3.00%
	20	±1.00%	≤2.00%
5.0 ml	100	±0.60%	≤0.60%
	1000	±0.50%	≤0.25%
50.0 ml	1000	±0.30%	≤0.50%
	10000	±0.30%	≤0.25%

The selector chart which is printed on each carton helps you decide which syringe is required for the dosing volume shown on the display of the genX or the adjustment setting on other types of dispensers. The information printed on the side of the syringe determines which position the adjustment dial should be set at. When used with Multipette® plus the volume display is inoperative.

Biohit Midi Pro Pipette Controller

The Biohit Midi Pro rechargeable pipette controller delivers 1 to 100ml volumes in a quick and consistent manner. Its easy to grip and fits the hand comfortably making it ideal for dispensing and aspirating within laminar flow or microbiological safety cabinets.

- Can be used with plastic or glass pipettes within the 1-100ml volume range
- Quiet and powerful motor can fill a 25ml pipette in under 3 seconds
- Selection of high or low modes allow variable aspirate and dispense speeds (with blow-out)
- Gravity dispense mode for use with 'To Deliver' (TD) pipettes
- Rechargeable during use
- Concave finger triggers control the speed of aspirating and dispensing, providing a comfortable and positive grip
- Unique stand suitable for bench or wall mounting supplied with each unit

BIOHIT



Biohit Midi Pro Technical Specifications

Batteries	2 x 1.2V NiMH
Charging Batteries	14 hours
Battery Service Life	500 - 1000 cycles
AC-adaptor	Output 75/10mA DC
Total Weight	180g without stand/wall bracket
Filters	Hydrophobic 0.45µm or 0.20µm
Case Material	ASA
Nose Cone Material	ASA
Pipette Holder	Silicone (autoclavable)
Pipette Types	Plastic or Glass 1 - 100ml Pasteur Pipettes










Biohit Midi Pro Pipette Controller

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
710913	Biohit Midi Pro Pipetting Controller with AC Adaptor, 2 Replacement Filters (1x0.45µm and 1x0.20µm), Bench Stand and Instruction Manual	each	260.00
721962	Replacement Filter, 0.45µm	pk5	40.00
721965	Replacement Filter, 0.20µm	pk5	40.00
721966	Replacement Filter, 0.45µm Sterile	each	20.00

Elkay® Culture/Serological Pipettes

We are proud to introduce our new range of plastic culture pipettes for use with pipette controllers. These pipettes are made of the highest grade crystal polystyrene and are manufactured in an ISO 9001:2000 certified facility. The seamless, single-piece construction eliminates risk of leakage and sample hang-up, therefore improving accuracy. We believe these key features along with the many others highlighted below come together to provide the best all-round culture pipette on the market.

- All pipettes are gamma irradiated and guaranteed non-pyrogenic, non-cytotoxic and non-haemolytic
- Ascending and descending graduation marks from 5ml
- Patented colour-coded plugs correspond to the international colour codes for easy identification
- Crisp, dark permanent graduation lines for higher accuracy
- Additional graduations provide extra capacity
- Individual, sterile paper/plastic peel-apart packs make for easy opening with or without gloves but are strong enough to maintain integrity within the box
- Bar-coded boxes and cases and lot numbered bags help traceability

Volume/Plug Colour	1ml	2ml	2ml ASPIRATING	5ml	10ml	25ml	50ml
							
			NEW				NEW
CATALOGUE NUMBER	SER-01ML-500	SER-02ML-500	SER-02ML-ASP	SER-05ML-250	SER-10ML-200	SER-25ML-100	SER-50ML-050
Unit Qty (Individually Wrapped)	500	500	500	250	200	100	50
Unit Price (£)	52.00	58.00	58.00	48.00	40.00	40.00	56.00
Increment Scale	1/100ml	1/50ml	n/a	1/10ml	1/10ml	1/5ml	1/2ml
Total Volume	1.3ml	2.4ml	2.4ml	8ml	13ml	27.6ml	60ml
Extra Graduations	0.3ml	0.4ml	n/a	3ml	3ml	2.6ml	10ml

Short versions
also available,
please enquire

* Please note images are not to scale

Pipette Service and Calibration

PETTE CHECK is the Elkay on-site and back-to-workshop pipette servicing business and covers all types and makes of micropipette.



Qualified technicians / engineers work to UKAS standards for calibration of pipettes

Single or Multichannel, mechanical or electronic, controllers or repeat dispensers – no task is too small or likely to beat us! The calibration system carried out by the engineers is to UKAS standards for Calibration Of Pipettes.

WHAT IS DONE?

Full Service and Calibration

All pipettes are dismantled and cleaned and new parts are fitted where necessary. The pipettes are reassembled and calibrated in accordance with the manufacturer's original specification for accuracy and precision and in accordance with ISO 8655. For Multichannel pipettes, calibrations are carried out on three channels, the two outer ones and one middle channel. A 'channel check' is also performed to check for consistency across all channels.

Original spares are used and are calibrated to the manufacturer's specification for accuracy and precision. Certificates are in accordance with ISO 8655. All systems are fully traceable to National and International Standards and copies of all certificates relating to measuring and environmental systems are supplied.

On-Site Clinics

- As few as 15 pipettes (10 readings / 3 Volumes Single Channel)
- All makes covered
- ARTEL® PCS calibration technology for volumes below 10ul.
- Engineers carry a complete workshop with them

Workshop Service

- FREE collection by courier
- Fast turnaround - typically 5 working days
- We will look at your old or 'obsolete' pipettes.
- Comprehensive inventory of spares for all models

PRICING?

Call us today on
01256 811118 for a
quote or enquire by email
sales@elkay-uk.co.uk.

Remember, the more units
you give us the less you
pay per pipette.



Electronic pipette faults can be investigated



Pipettes are dismantled, cleaned and new parts fitted where necessary