



CATALOGUE **V:5**  
Precision Laboratory Consumables

**ELKAY**  
CTM

LAB stuff

ELKAY

LIQUIPETTE™

## Welcome

I am pleased to present you with the V:5 edition of our catalogue of precision laboratory consumables featuring over 100 new products.

Every business, large or small, would be hard-pressed to say they haven't been affected by recent events surrounding world economies. Our in-depth knowledge of consumables and our 30 years of experience means we have a simple solution to any budgetary challenge that faces our customers - we listen, we manage and we respond positively and swiftly where we can.

Once again, our fundamental objective is to provide our customers with a service level that is second to none.

We hope that we continue to meet your needs and thank you for your continued interest and support.

Robin Conway  
Managing Director

Elkay Laboratory Products (UK) Ltd.



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Company Registration Number: 228 9027 Registered Address: in above VAT Number: 20614 8912 28



## Positive Steps...

Environmental and Social Responsibilities policies are a fundamental part of a company's business strategy. Here at Elkay we are constantly reviewing new ways that we can lessen our impact on the environment, in particular, our use of paper products. By printing this catalogue on 100% FSC (Forest Stewardship Council) certified paper and using only vegetable-based inks, we have taken positive steps towards meeting our goals and look to set the benchmark for our competitors, suppliers and customers alike.

## What does FSC certified paper mean to the environment?

The FSC ensures rigid standards for protecting biodiversity, wildlife and timber resources. The timber used does not contribute to habitat loss, displacement of indigenous peoples, water pollution, or violence against humans and wildlife.

## Company Information



### Company name:

Elkay Laboratory Products (U.K.) Ltd.

### Office/Warehouse Location:

Unit E, Lutyens Industrial Centre, Bilton Road,  
Basingstoke, Hampshire, United Kingdom RG24 8LJ

### Postal address:

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Telephone (International prefix +44)

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**Sales Fax:** 01256 811116

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**Website:** www.elkay-uk.co.uk

**Pipette Service:** 01256 375422

**Credit Control:** 01256 375429

# Ordering Information

You can order by phone, fax, email or post.

When placing your order, please provide:

- **YOUR ACCOUNT NUMBER** – the '8' digit number can be found on a previous delivery note / invoice or call 01256 811118. If you do not have an account number with us, please have your delivery and invoice addresses to hand.
- **PURCHASE ORDER NUMBER** - This is not required with credit card purchases.
- **CATALOGUE NUMBER** – An index can be found at the back of this catalogue.
- **UNIT QUANTITY**
- **PRICE** – Please mention if you have a contract or quote 'Q' number or a special offer reference.
- **VAT Exemption Certificate** – If applicable.



*Please remember...orders must be confirmed in writing unless paying by credit card.*

<b>Delivery</b>	We endeavour to despatch orders within 24 hours of receipt
<b>Discounts</b>	Telephone for a quotation
<b>Conditions of Sale</b>	Printed on inside back cover of this catalogue and on invoices
<b>Payment Terms</b>	Account customers have 30 days from invoice date

## Banking Details

<b>Account Name</b>	Elkay Laboratory Products (U.K.) Ltd
<b>Bank</b>	Natwest Bank plc
<b>Address</b>	Old Market Square, Basingstoke, Hampshire RG21 7NS

### £ Sterling Payments

Account #	71198253
Sort Code	60-02-49
IBAN	GB66NWBK60024971198253

### € Euro Payments

Account #	74012223
Sort Code	60-02-49
IBAN	GB59NWBK60721374012223

### \$ US Dollar Payments

Account #:	74012231
Sort Code:	60-02-49
IBAN	GB29NWBK60730174012231

### Credit Card Payment



Company Registration Number: 2884927  
VAT Number: GB614 895 220

# What's new in V:5?

We've searched high and low to find high-quality products to complement our range of precision laboratory consumables, and are pleased to introduce over 100 new or improved items!

We thought we'd share a few of our favourites...

## RefillPro Tip Reload System

We know the environment is important to you too. So, we have introduced a great tip reload system that will help you do your bit without costing the Earth!

**Refill tips: pages 17**

**Elkay Recycling Scheme: page 103.**



## FlipTube® One-handed Opening Microtube

It's not often there are major improvements to everyday lab items, like microtubes, until the FlipTube was developed. This award-winning microtube introduced a patented hinged lid design which provides the key to its ergonomics. If you're interested in streamlining the sample handling in your lab, ask for a free sample of FlipTube today. See **page 41** for more details on FlipTube.

## Biohit eLINE® Electronic Pipettes

Another award-winning design, the eLINE, leads the pipetting market in performance and ergonomics. Features like electronic tip ejection help to reduce the risk of Repetitive Strain Injury (RSI). Fast and intuitive programming together with a host of other features, makes eLINE the perfect pipetting partner. Available in both single and multichannel versions. See **pages 27-29** for more information.



## Elkay Screw Cap Storage Vials

Complementing our comprehensive sample storage range, our new storage vials are perfect for when ultra-cold storage is not required. Together with a dedicated rack for easy handling, they are the ideal general use storage solution. See **page 47** for details on both vials and rack.

## Riplate PCR Plates

Becoming more commonplace in modern laboratories are these two-part PCR plates. Extremely rigid polycarbonate frames coupled with ultra-thin polypropylene wells make these ideally suited for use in both manual and automated PCR protocols. Manufactured in the EU. For more information see **page 70**.



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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.




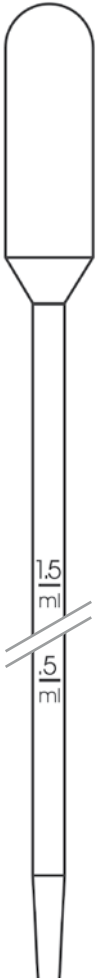
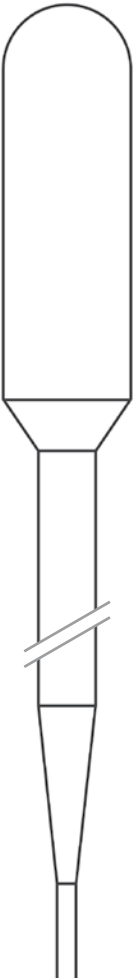
 = ACTUAL SIZE

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		

**NEW**

## 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.

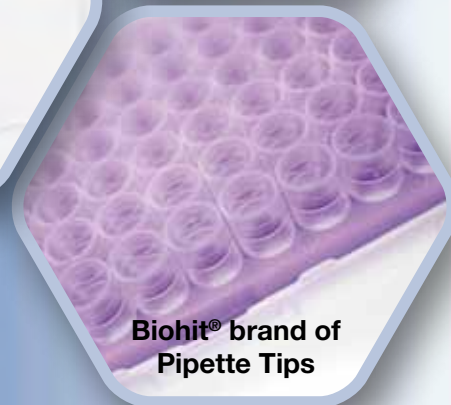
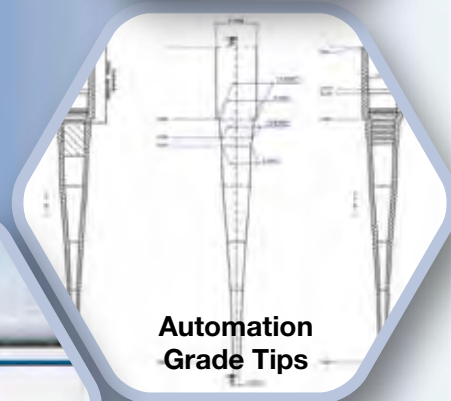
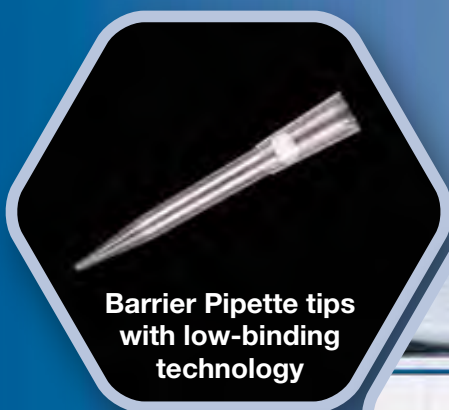
### FIT AND FUNCTION

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:



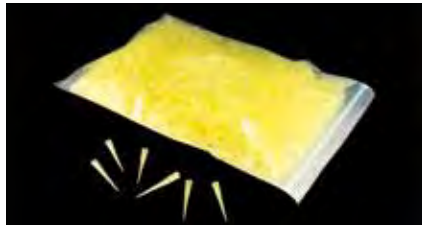
Whether you are performing routine Clinical tests or High Throughput Screening in automation, Elkay aims to meet the needs of customers by offering a consistent quality pipette tip at affordable prices.

## Pipette Tip Packaging Options explained

### Standard Tips

#### Polybag of Tips

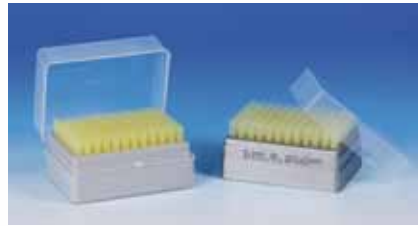
Economically priced tips supplied in a sealed poly bag.



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.










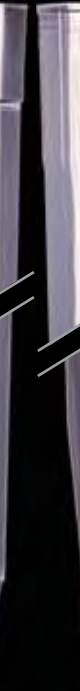


## Elkay® Pipette Tips

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-UPIP-010	RES-UPEX-010	110	UNV-STND-000	01B	PIPT-01B	PIPT-03B	024	
		Unit Qty	1000	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-UPIP-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-UPIP-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	
									
	<b>NEW</b>					<b>NEW</b>			<b>NEW</b>
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							

✓	✓	✓		✓	✓				✓
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✓	✓	✓		✓			✓		
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✓	✓	✓		✓			✓		
✓	✓	✓		✓			✓		

\* 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
<b>CATALOGUE NUMBER</b>	AER-UPIP-S96	AER-UPEX-S96	AER-OGEL-R02	AER-OREF-S96
<b>Unit Qty</b>	10x96	10x96	5x204	10x96
<b>Unit Price (£)</b>	57.00	57.00	76.00	57.00
<b>Low Binding?</b>	YES	YES	NO	YES
<b>Pipettor Compatibility</b>	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
					
<b>NEW</b>					
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.

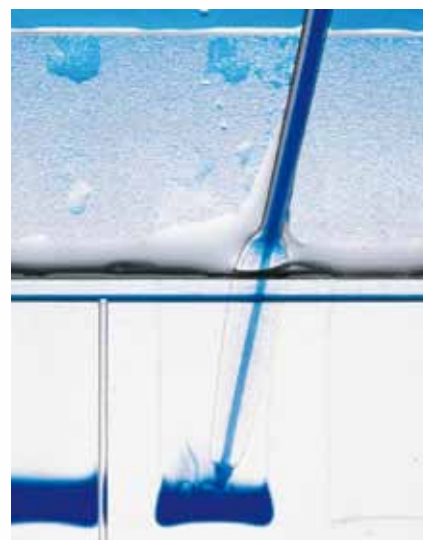
- Rounds tips (0.57mm) are used for loading gels such as SDS PAGE
- Flat tips are used for loading sequencing gels

### Micro GEL Tips (0.1 - 10µl)

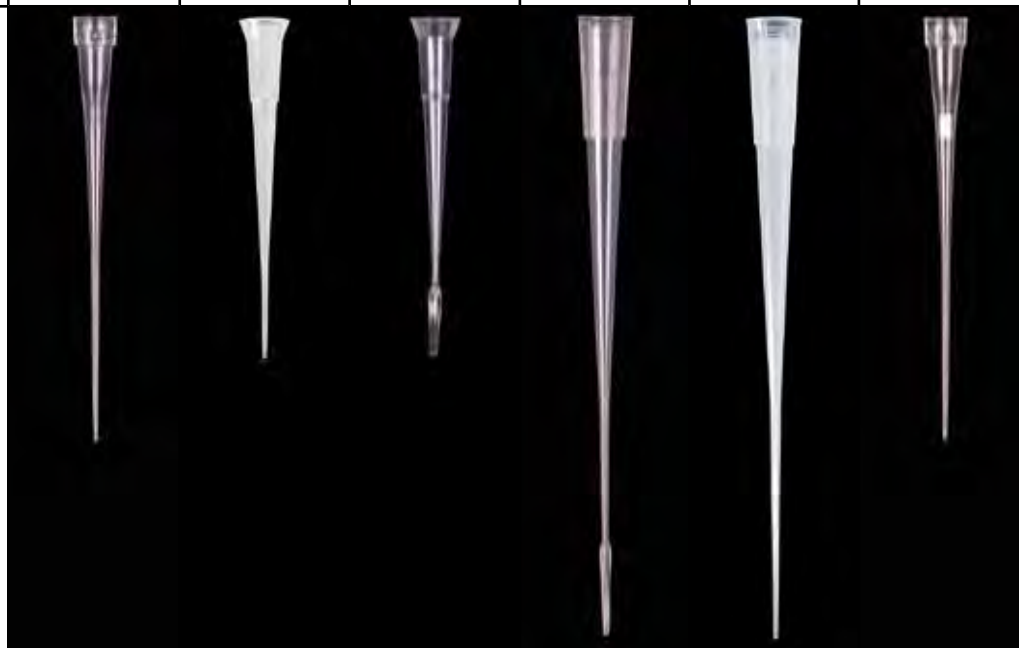
- Universal Fit for ultra-micro pipettes
- 45mm length for access to bottom of narrow vessels and gel wells
- 2µl graduation for quick volume check

### 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!!**



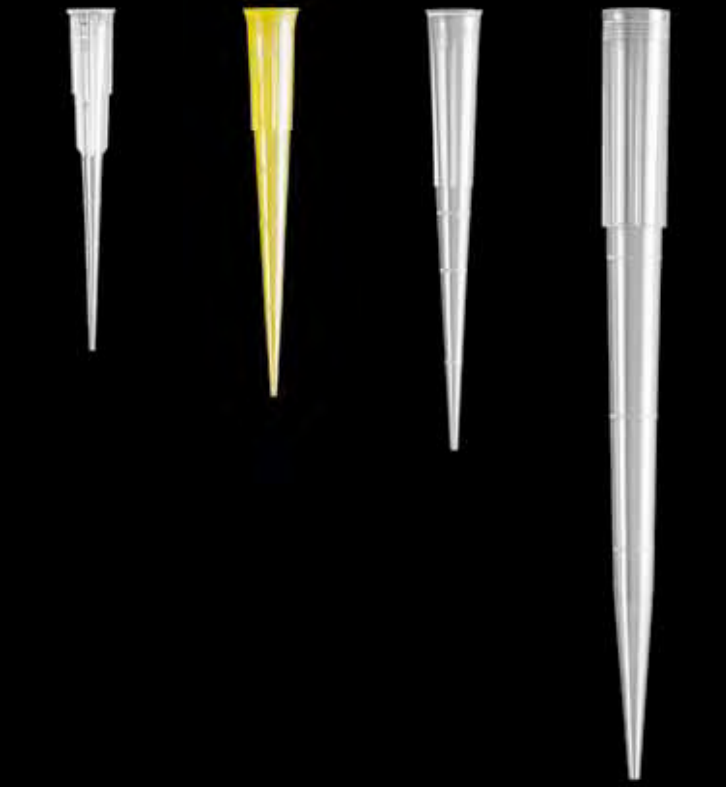
- Single and Multichannel pipette compatibility
- Hinged racks incorporate a unique locking mechanism
- See-through packaging for visual confirmation
- Plastic rack waste reduced by > 60%



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.

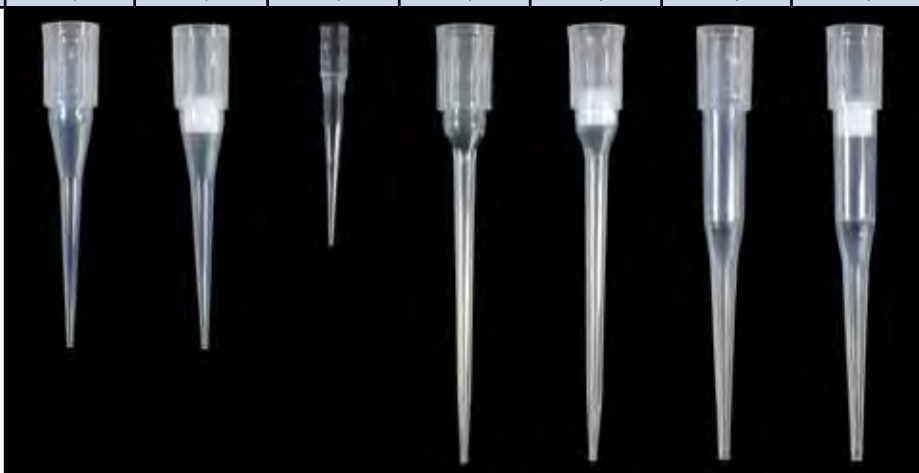
The racks have been designed to withstand extreme force, ensuring reliable attachment of single, 96 or 384 tip pick-up. Each tip compartment in the rack is isolated to reduce the possibility of cross contamination.

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	
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	Cat No			BLK-TECN-050RF		BLK-TECN-200RF	BLK-TECN-100RF
		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

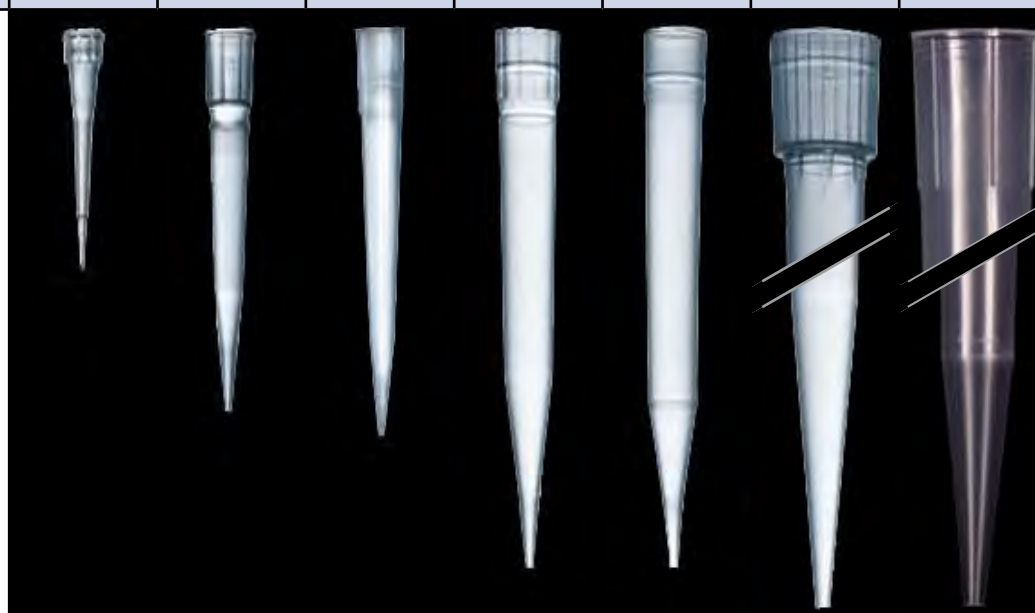
Product	Black Conductive Standard	Black Conductive Filter	Black Conductive Standard	Black Conductive Filter
Tip Volume	300µl	300µl	1100µl	1100µl
				
				
PACKAGING	QIAGEN TIP RACKS NON-STERILE	Cat No	BLK-QAGN-300R	BLK-QAGN-110R
		Unit Qty	10x96	10x96
	QIAGEN TIP RACKS STERILE WITH FILTER	Cat No	BLK-QAGN-300RF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

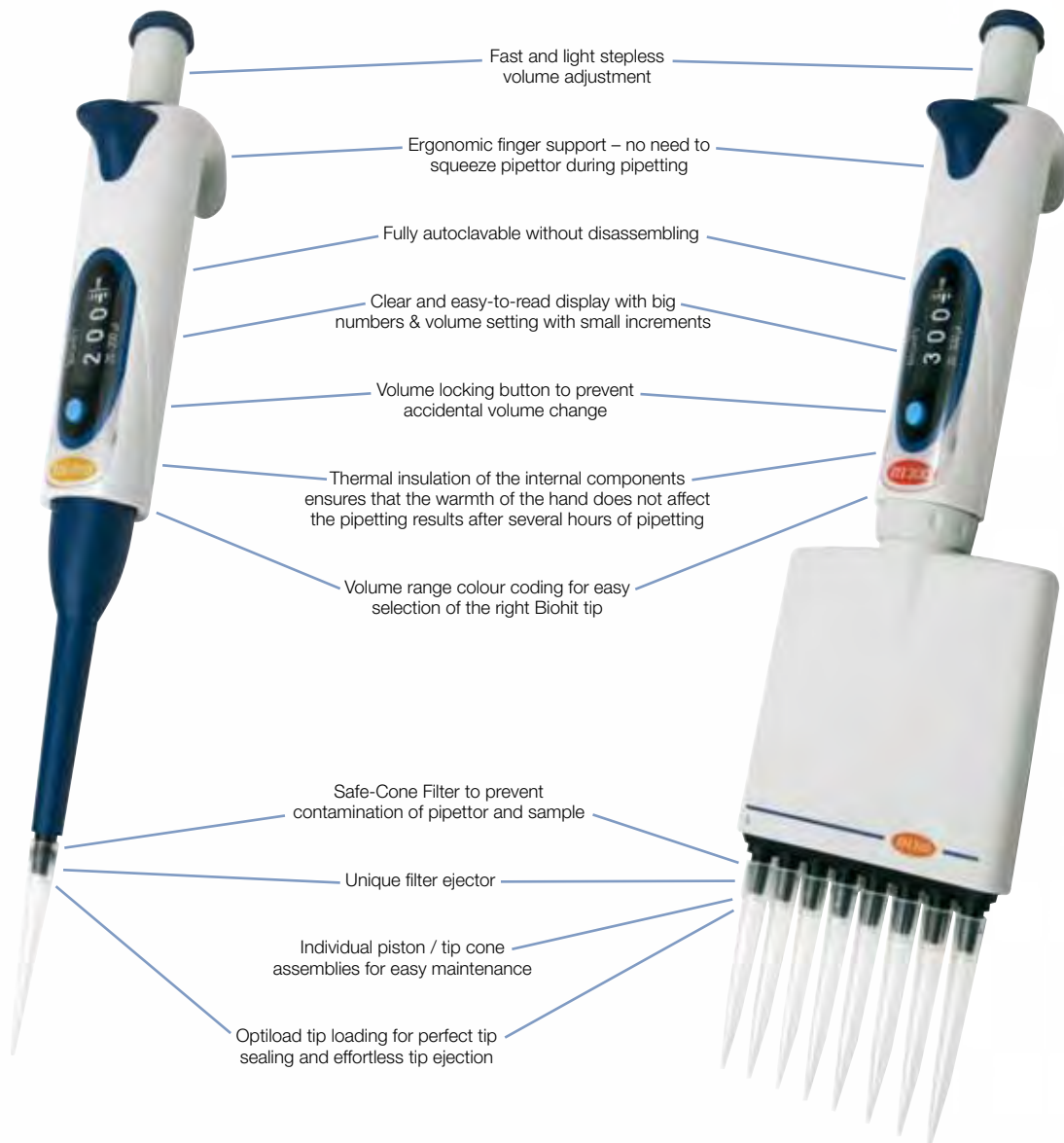
BIOHIT TIP REFILL SYSTEM								
TIP RACK REFILL NON-STERILE	Cat No	790012	790302	790352	791002	791202		
	Unit Qty	10x96	10x96	10x96	10x96	10x96		
	Unit Price (£)	31.00	27.00	28.00	28.00	36.00		

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





## Biohit mLINE® Mechanical Pipettes



Fast and light stepless volume adjustment

Ergonomic finger support – no need to squeeze pipettor during pipetting

Fully autoclavable without disassembling

Clear and easy-to-read display with big numbers & volume setting with small increments

Volume locking button to prevent accidental volume change

Thermal insulation of the internal components ensures that the warmth of the hand does not affect the pipetting results after several hours of pipetting

Volume range colour coding for easy selection of the right Biohit tip

Safe-Cone Filter to prevent contamination of pipettor and sample

Unique filter ejector

Individual piston / tip cone assemblies for easy maintenance

Optiload tip loading for perfect tip sealing and effortless tip ejection



**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	m3	m10	m20	m100	m200	m1000	m5000	m10ml	
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	
									
<b>CATALOGUE NUMBER</b>	725010	725020	725030	725050	725060	725070	725080	725090	
<b>Unit Price (£)</b>	168.00	168.00	160.00	160.00	160.00	160.00	160.00	168.00	
<b>PERFORMANCE SPECIFICATIONS</b>									
<b>Increment (µl)</b>	0.002	0.01	0.02	0.10	0.20	1.00	10.0	20.0	
<b>Test Volume (µl)</b>	0.3-3	0.5-10	2-20	10-100	20-200	100-1000	500-5000	1000-10000	
<b>Inaccuracy (%)</b>	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	
<b>Imprecision (%)</b>	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	
<b>SAFE-CONE FILTER</b>									
<b>Cat No</b>	-----	-----	721014	721008	721007	721006	721005	721005	
<b>BIOHIT TIP ORDERING INFORMATION (full tip ordering details on page 22)</b>									
<b>TIP RACKS NON-STERILE</b>	<b>Cat No</b>	790010	790010	790300	790300 790350	790300 790350	791000	780304	
<b>TIP RACK REFILL NON-STERILE</b>	<b>Cat No</b>	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	
<b>PERFORMANCE SPECIFICATIONS</b>							
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	
<b>SAFE-CONE FILTER</b>							
Cat No	-----	-----	721008	721008	721007	721007	
<b>BIOHIT TIP ORDERING INFORMATION (full tip ordering details on page 22)</b>							
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	<b>mLINE Starter Kit 1</b> 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	<b>mLINE Starter Kit 2</b> 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 Biohit's 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	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	791200
TIP RACK REFILL NON-STERILE	Cat No	790012	790012	790302 790352	790302 790352	790352	790352	791202	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	<b>Comfort Pack:</b> 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 *
 										
		<b>NON-STERILE</b>	<b>Cat No</b> 40007-0000 <b>Unit Qty</b> 100 <b>Unit Price (£)</b> 53.00	<b>Cat No</b> 40007-0001 <b>Unit Qty</b> 100 <b>Unit Price (£)</b> 53.00	<b>Cat No</b> 40007-0003 <b>Unit Qty</b> 100 <b>Unit Price (£)</b> 53.00	<b>Cat No</b> 40007-0004 <b>Unit Qty</b> 100 <b>Unit Price (£)</b> 53.00	<b>Cat No</b> 40007-0005 <b>Unit Qty</b> 100 <b>Unit Price (£)</b> 53.00	<b>Cat No</b> 40007-0006 <b>Unit Qty</b> 100 <b>Unit Price (£)</b> 53.00	<b>Cat No</b> 40007-0007 <b>Unit Qty</b> 100 <b>Unit Price (£)</b> 53.00	<b>Cat No</b> 40007-0009 <b>Unit Qty</b> 25 <b>Unit Price (£)</b> 18.00
<b>STERILE</b>	<b>Cat No</b> 40007-0011 <b>Unit Qty</b> 100 <b>Unit Price (£)</b> 95.00	<b>Cat No</b> 40007-0012 <b>Unit Qty</b> 100 <b>Unit Price (£)</b> 95.00	<b>Cat No</b> 40007-0013 <b>Unit Qty</b> 100 <b>Unit Price (£)</b> 95.00	<b>Cat No</b> 40007-0014 <b>Unit Qty</b> 100 <b>Unit Price (£)</b> 95.00	<b>Cat No</b> 40007-0015 <b>Unit Qty</b> 100 <b>Unit Price (£)</b> 95.00	<b>Cat No</b> 40007-0016 <b>Unit Qty</b> 100 <b>Unit Price (£)</b> 95.00	<b>Cat No</b> 40007-0017 <b>Unit Qty</b> 100 <b>Unit Price (£)</b> 95.00	<b>Cat No</b> 40007-0019 <b>Unit Qty</b> 25 <b>Unit Price (£)</b> 28.00	<b>Cat No</b> 40007-0020 <b>Unit Qty</b> 25 <b>Unit Price (£)</b> 30.00	

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

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

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



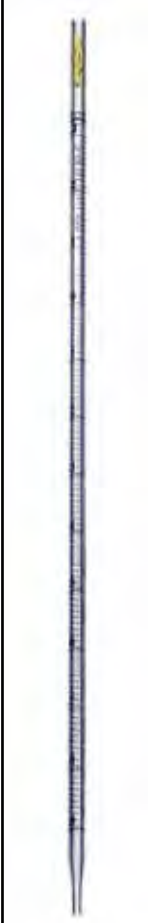

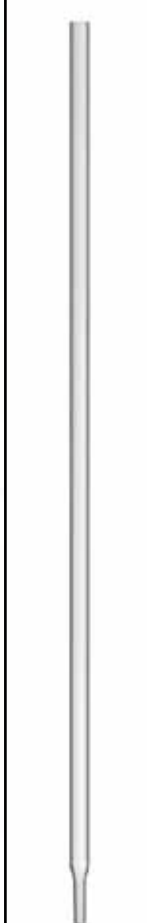
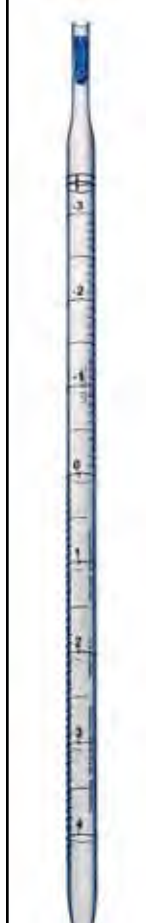



### Biohit Midi Pro Pipette Controller

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
							
			<b>NEW</b>				<b>NEW</b>
<b>CATALOGUE NUMBER</b>	SER-01ML-500	SER-02ML-500	SER-02ML-ASP	SER-05ML-250	SER-10ML-200	SER-25ML-100	SER-50ML-050
<b>Unit Qty (Individually Wrapped)</b>	500	500	500	250	200	100	50
<b>Unit Price (£)</b>	52.00	58.00	58.00	48.00	40.00	40.00	56.00
<b>Increment Scale</b>	1/100ml	1/50ml	n/a	1/10ml	1/10ml	1/5ml	1/2ml
<b>Total Volume</b>	1.3ml	2.4ml	2.4ml	8ml	13ml	27.6ml	60ml
<b>Extra Graduations</b>	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](mailto: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

# Test Tubes, Vials & Caps

Plastic Test Tubes	36-37
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Brand™ UV	53
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Dilu-Vial® Sample Vial	54



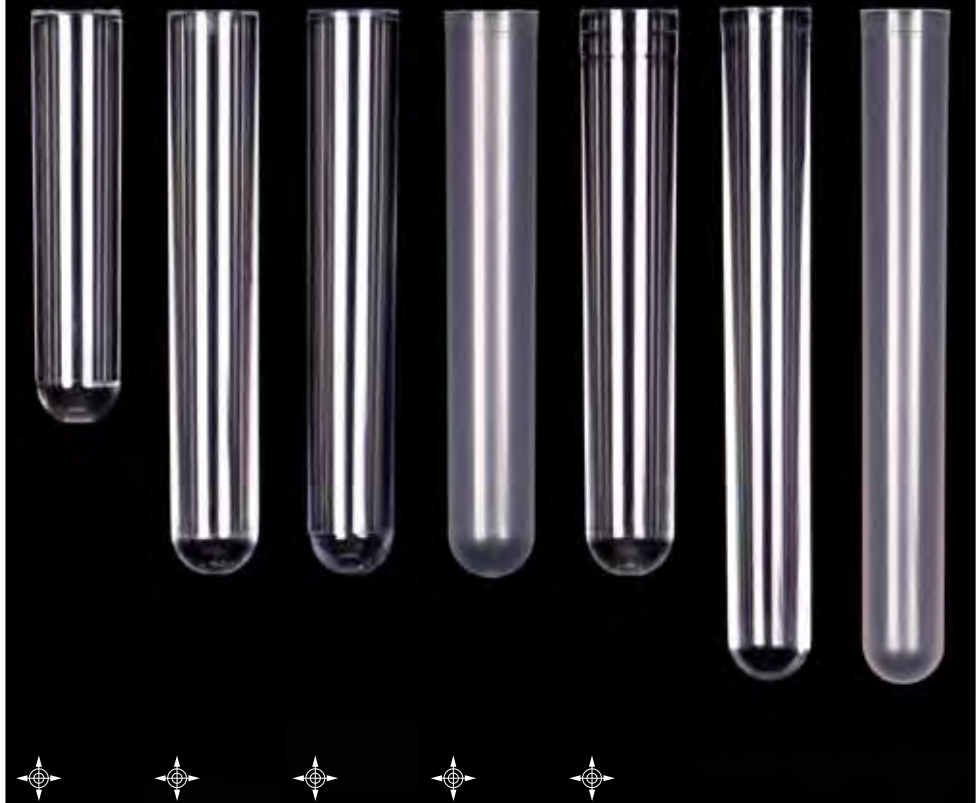
# Test Tubes, Vials & Caps

## Plastic Test Tubes

Test Tubes are precision moulded from premium grade polystyrene, for optical clarity and polypropylene for all-round chemical resistance and extreme temperatures.

- Chemical free and biologically inert materials minimises contamination risk.
- Tube dimensions and lot-to-lot uniformity are continuously monitored by stringent quality control checks.
- Impact strength is enhanced by wall thickness.
- Round bottom for easy sample removal.
- Transparent polystyrene tubes can withstand moderate centrifugation speeds (1400g) and temperatures up to +70°C. Translucent polypropylene can be centrifuged at higher speeds (3000g) and can resist temperatures from -190°C to +120°C.

Size (mm)	12x55	12x75	12x75	12x75	13x75	13x100	13x100
Material	PS	PS	PS	PP	PS	PS	PP
Volume (ml)	3.8	5.4	5.4	5.4	5.4	8.8	8.8



Special Applications		Coagulation Studies	Flow Cytometry		Flow Cytometry	Clinical Analysers	Autosamplers	Autosamplers
<b>NON-STERILE (Without Graduations)</b>								
<b>LOOSE IN BAG</b>	Cat No	2055-500	2052-003	2052-IR1	2053-001	2056-000	2025-001	2026-001
	Unit Qty	1000	6 x 500	1000	1000	4000	1000	1000
	Unit Price (£)	15.00	55.00	18.00	17.00	60.00	40.00	40.00
(2053-001 is also available in blue, green, red and yellow - please enquire)								
<b>STERILE (With Press Snap Cap and Printed Graduations)</b>								
<b>TRAY RACK 8X125</b>	Cat No			2054-STR				
	Unit Qty			1000				
	Unit Price (£)			75.00				
<b>TRAY RACK 20X25</b>	Cat No		8576*	2058-STR	2063-STR			
	Unit Qty		500	500	500			
	Unit Price (£)		51.00	51.00	51.00			
<b>INDIVIDUALLY WRAPPED</b>	Cat No			2003-STR	2005-STR			
	Unit Qty			500	500			
	Unit Price (£)			99.00	99.00			
<b>Recommended Cap (Elkay Cat No)</b>		2055-CAP	2032-000	127-0019-100	2032-000	127-0019-100	127-0019-100	127-0019-100

\* Without Graduations \*\* With Moulded Graduations

= ACTUAL SIZE

# Test Tubes, Vials & Caps

Sterile Test / Culture Tubes are irradiated in hermetically sealed packaging.

- All Elkay Sterile Culture Tubes come with an assembled Press-snap Cap.
- Come in single wrap packs or in trays of 25 or 125 (see picture).
- Irradiated and tested in accordance with AAMI Guidelines; lot-to-lot traceability of every product.



13x100	16x100	16x100	16x125	16x125	16x150	16x150	17x100	17x100
PP	PS	PP	PS	PP	PS	PP	PS	PP
8.8	14.5	14.5	18.0	17.5	22.0	22.0	14.9	14.7

Autosamplers	Autosamplers	Autosamplers	Autosamplers	Autosamplers			Clinical Analysers	Clinical Analysers
2026-EVS 1000	2046-500B 2000	2047-500G 2000	2023-001 1000	2024-001 1000	2027-001 500	2028-001 500	2017-001** 1000	2018-001** 1000
44.00	65.00	62.00	52.00	52.00	43.00	43.00	44.00	44.00

								2059-STRX 500
								77.00
							2001-STRX 500	
							83.00	
127-0019-100	127-0019-200	127-0019-200	127-0019-200	127-0019-200			2030-000	2030-000

**We recommend you test materials under actual conditions to determine tube compatibility. For free samples contact sales on 01256 811 118**

\* Without Graduations \*\* With Moulded Graduations

## Ezee-topper™ Caps

Ezee-topper™ Caps are ideal for resealing most 13mm and 16mm glass and plastic blood collection tubes. They protect potentially hazardous samples from accidental spillage, contamination and evaporation.

- Exclusive thumb tab makes cap removal simple, quick and fatigue free.
- Colours match the original blood tube stopper.
- 13mm Ezee-topper™ Caps fit 13mm glass evacuated blood collection tubes and 12mm plastic test tubes. Available in six colours.
- 16mm Ezee-topper™ Cap fits 16mm glass evacuated blood collection tubes.
- Manufactured from Polyethylene.



Tube OD (MM)	13.0	13.0	13.0	13.0	13.0	13.0	16.0
Material	PE	PE	PE	PE	PE	PE	PE
Colour	Natural	Red	Blue	Green	Yellow	Lavender	Natural
CATALOGUE NUMBER	127-0019-500	127-0019-501	127-0019-502	127-0019-503	127-0019-504	127-0019-505	127-0019-400
Unit Qty	1000	1000	1000	1000	1000	1000	1000
Unit Price (£)	15.00	15.00	15.00	15.00	15.00	15.00	19.00
For use with	12mm tubes and 13mm blood collection tubes	12mm tubes and 13mm blood collection tubes	12mm tubes and 13mm blood collection tubes	12mm tubes and 13mm blood collection tubes	12mm tubes and 13mm blood collection tubes	12mm tubes and 13mm blood collection tubes	16mm tubes and 16mm blood collection tubes

## Flange Plug Tite Caps

- Fit into test tubes, centrifuge tubes and round cuvettes.
- Designed with two flanges which seal tightly on the inside of the tube.



Tube ID (MM)	12.0 - 13.0	12.0 - 13.0	12.0 - 13.0	12.0 - 13.0	12.0 - 13.0	12.0 - 13.0	12.0 - 13.0	15.4
Material	PE	PE	PE	PE	PE	PE	PE	PE
Colour	Natural	Natural	Red	Blue	Green	Yellow	Orange	Natural
CATALOGUE NUMBER	2055-CAP	127-0019-100	127-0019-101	127-0019-102	127-0019-103	127-0019-104	127-0019-105	127-0019-200
Unit Qty	1000	1000	1000	1000	1000	1000	1000	1000
Unit Price (£)	14.00	15.00	16.00	16.00	16.00	16.00	16.00	22.00
For use with	Elkay cat no 2055-500 (p.36)	12/13mm tubes and 12mm round cuvettes	12/13mm tubes and 12mm round cuvettes	12/13mm tubes and 12mm round cuvettes	12/13mm tubes and 12mm round cuvettes	12/13mm tubes and 12mm round cuvettes	12/13mm tubes and 12mm round cuvettes	16mm tubes and 15ml centrifuge tubes

NOTE: Cap images are not to scale.



## Press Snap Caps

This cap fits onto test tubes and provides a unique, two-position closure:

- Applied loosely, this cap provides tube cover while maintaining aerobic conditions; pressed and snapped on completely, it provides an airtight seal.
- Ideal for bacterial culture; two sizes available.



Tube OD (mm)	10.6	15.8
Material	PE	PE
Colour	Natural	Natural
CATALOGUE NUMBER	2032-000	2030-000
Unit Qty	1000	1000
Unit Price (£)	18.00	22.00
For use with	12mm tubes	17mm tubes



First position is for aerobic work



Second position (sealed) for anaerobic cultures

Illustration of two-position closure of press snap caps (2032-000 and 2030-000)

## Press Overfit Caps

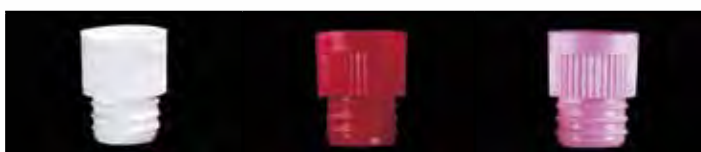
- Fits over the outer rim of sample cups and test tubes.

	N/A	N/A
Material	PE	PE
Colour	Natural	Natural
CATALOGUE NUMBER	127-0019-000*	127-0019-00X
Unit Qty	5 x 1000	1000
Unit Price (£)	60.00	17.00
For use with	Elkay Analyser Cups: 127-0090-000 127-0013-000	Elkay Analyser Cup: 127-0093-000 127-0090-100

\* Now in bulk packs of 5000

## Ribbed Plug Tite Micro Caps

- Seal is accomplished by parallel rings on the lower portion of the cap.
- Available in white, red, and lavender.



Tube ID (mm)	12.0	12.0	12.0
Material	PE	PE	PE
Colour	White	Red	Lavender
CATALOGUE NUMBER	127-0301-421	127-0301-42R	127-0301-42L
Unit Qty	1000	1000	1000
Unit Price (£)	15.00	16.00	16.00
For use with	12mm tubes	12mm tubes	12mm tubes

## Square Cuvette Caps

- Designed to seal 10mm four-sided square cuvettes (see page 53-54 for cuvettes).



Tube ID (mm)	10.4
Material	PE
Colour	Natural
CATALOGUE NUMBER	127-1010-004
Unit Qty	1000
Unit Price (£)	25.00
For use with	Standard 10mm square cuvettes

## TriCap™ Universal Fit Cap

Designed to fit over most 12 and 13mm (OD) tubes and inside 16mm evacuated glass blood collection tubes, the TriCap is an invaluable tool for any lab.

Precision molded from low-density polyethylene, TriCap fits firmly on the tube and can be used under the most rigorous of procedures, including centrifugation. TriCap protects from aerosols and guards samples against cross-contamination.



### TriCap™ Universal Fit Cap

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
8700	TriCap, Natural	1000	16.00
8700B	TriCap, Blue	1000	16.00
8700G	TriCap, Green	1000	16.00
8700SI	TriCap, Grey	1000	16.00
8700L	TriCap, Lavender	1000	16.00
8700R	TriCap, Red	1000	16.00
8700Y	TriCap, Yellow	1000	16.00

## Ezee-Filter™ Separator

The Ezee-Filter™ Separator is a 5ml or 9ml graduated (moulded) polypropylene tube incorporating a polyethylene filter. It is used by inserting the filter end of the device into a 16mm test/blood tube containing the sample to be 'cleaned' and applying downward pressure until the filtered solution transfers into the graduated barrel of the device. The filtrate can now be stored (once capped) or poured.

- Designed for removing fibrin and other particles from serum samples.
- Ideal in filtering archaeological samples. In particular, removing the insoluble residues from solutions prior to Carbon-14 dating and isotope studies.

### The Filter:

The filter is made of sintered polyethylene fused together under heat and pressure. By controlling heat and pressure the pore sizes can be controlled within certain limits.

The pore sizes are a range from 60 µm to 90 µm. They are not holes punched on a membrane. They are actually channels formed as a result of the polyethylene particle fusion.



### Ezee-Filter™ Separator

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
127-3193-000	9ml Ezee-Filter™ Separator Device, PE	1000	179.00
127-3193-025	5ml Ezee-Filter™ Separator Device, PE	1000	135.00

### RELATED ITEMS:

2047-500G	16x100mm PP Test Tube	2000	65.00
127-0019-100	Small Flange Plug Tite Cap, PE, natural	1000	15.00

## FlipTube® Microcentrifuge Tube

### Quick, one-handed opening microcentrifuge tube

Due to the unique lid design, the award winning FlipTube® provides users increased sample security with better, more efficient handling. Rather than 'flicking' the lid up from the front, FlipTube works by applying gentle thumb pressure to the back of the hinged lid. This resolves two potential drawbacks related to the 'traditional' method of tube opening:

1. The risk of sample contamination which may be introduced by the thumb coming into contact with the inside of the tube lid (or contents)
2. The requirement for using both hands to open the tube

FlipTube eliminates both of these issues, providing a safer, quicker, and more efficient working style.

**A BETTER MICROTUBE IS FINALLY HERE!**

**NEW!!**



Features include:

- Easy one-handed operation even when tubes are racked
- Large, frosted writing areas on top and side
- Moulded-in graduations at 0.1ml, 0.5ml, 1ml & 1.5ml
- Pierceable lid
- Made from high-quality, autoclavable polypropylene
- High thermal and chemical resistance
- Spin rating of 20,000g (fits all standard centrifuges)
- DNase, RNase-free (certification upon request)
- Contamination-free opening
- Available in 5 colours for easy identification of samples (including black for light sensitive assays)

### FlipTube® Microcentrifuge Tube

CATALOGUE NUMBER	COLOUR	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
MICR-FTN		FlipTube, 1.5ml, PP, Natural	500	£14.00
MICR-FTR	Red	FlipTube, 1.5ml, PP, Red	500	£16.00
MICR-FTY	Yellow	FlipTube, 1.5ml, PP, Yellow	500	£16.00
MICR-FTB	Blue	FlipTube, 1.5ml, PP, Blue	500	£16.00
MICR-FTG	Green	FlipTube, 1.5ml, PP, Green	500	£16.00
MICR-FTBK	Black	FlipTube, 1.5ml, PP, Black	500	£16.00

## Automation Station?

Thinking about automating microtube opening/closing?

Ask for a sample of FlipTube® today.

## Microcentrifuge Tubes

Elkay Microcentrifuge Tubes are designed to withstand rigorous laboratory applications.

- Positive snap-seal closures for leak-tite seals.
- Flat, needle-pierceable tops allow easy sample removal.
- Graduation lines for volume estimation at a glance.
- Polypropylene tubes can be autoclaved at 121°C.
- DNase / RNase free versions are made from low-adhesion materials.



Volume (ml)	0.5	0.6	1.5	1.5	1.5
Colour	Natural	Natural	Natural	Blue	Green
Material	PP	PP	PP	PP	PP
Spin Rating (RCF)	38,000	14,000	14,000	14,000	14,000
Temperature Range	-190 to +121°C	-40 to +121°C	-40 to +121°C	-40 to +121°C	-40 to +121°C
CATALOGUE NUMBER	MICR-050	MICR-069	MICR-150	MICR-152	MICR-153
Unit Qty	1000	500	1000	1000	1000
Unit Price (£)	17.00	15.00	17.00	17.00	17.00
Additional Information		DNase/RNase free Low adhesion			

1.5ml tube also available in yellow (MICR-154)



Volume (ml)	1.5	1.5	1.5	2.0	2.0
Colour	Red	Natural	Natural	Natural	Natural
Material	PP	PP	PP	PP	PP
Spin Rating (RCF)	14,000	20,000	20,000	18,000	20,000
Temperature Range	-40 to +121°C	-40 to +121°C	-175 to +121°C	-40 to +121°C	-40 to +121°C
CATALOGUE NUMBER	MICR-157	MICR-159	MICR-15LC	MICR-200	MICR-209
Unit Qty	1000	250	500	1000	250
Unit Price (£)	17.00	9.00	12.00	19.50	9.00
Additional Information		DNase/RNase free Low adhesion	Lockable Cap for extra protection		DNase/RNase free Low adhesion

## 15ml Centrifuge Tubes

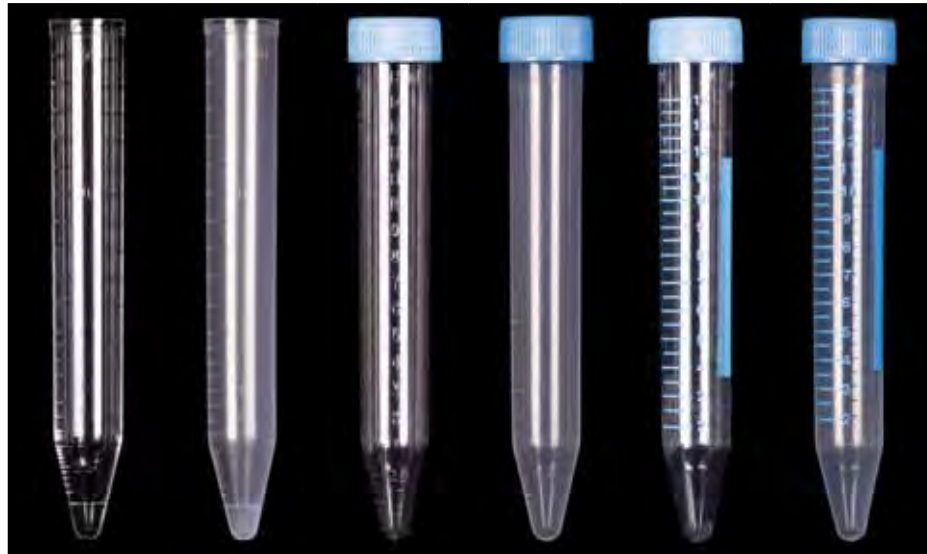
15ml centrifuge tubes feature screen printing or moulded-in graduations, sterile or non-sterile packaging and a choice of screw or plug-tite caps.



Rack with viewing apertures

- Two materials, Polypropylene copolymer (chemical resistance and strength) or Polystyrene (optical clarity).
- Printed tubes have graduations and write-on surface.
- Sterile versions meet AAMI Guidelines for irradiation.
- Available with an expanded styrene foam tray with viewing slots. Rack can be snapped apart to form individual work stations.

**Polyethylene Cap Choice:** Blue screw cap, natural screw cap\*\*, natural plug cap



Volume (ml)		15.0	15.0	15.0	15.0	15.0	15.0	
Material		PS	PP	PS	PP	PS	PP	
Graduation Type		Moulded	Moulded	Moulded	Moulded	Printed	Printed	
Additional Information		Unthreaded tube*	Unthreaded tube*	Threaded tube Blue PE screw cap included non-assembled	Threaded tube Blue PE screw cap included non-assembled	Threaded tube Blue PE screw cap included non-assembled	Threaded tube Blue PE screw cap included non-assembled	
<b>PACKAGING</b>	<b>NON-STERILE</b>							
	<b>LOOSE IN BAG</b>	Cat No	BULK-150	BULK-151	2087-000	2088-000	2087-00P	2088-00P
		Unit Qty	1000	1000	1000	1000	1000	1000
		Unit Price (£)	60.00	60.00	82.00	82.00	99.00	99.00
		Cat No				2086-500**		
	Unit Qty				500			
	Unit Price (£)				48.00			
	<b>STERILE</b>							
	<b>25/BAG X 40</b>	Cat No			2083-STR	2081-STR		2081-STP
		Unit Qty			1000	1000		1000
Unit Price (£)			105.00	105.00		130.00		
<b>TRAY RACK 50 X10</b>	Cat No				2098-STR	2099-STP	2098-STP	
	Unit Qty				500	500	500	
Unit Price (£)				82.00	95.00	94.00		

\* For compatible cap, see 15.4mm Flange Plug Tite Caps on page 38 (127-0019-200)

\*\* 2086-500 version

### PHYSICAL PROPERTIES (for capped tube)

#### Polystyrene (PS)

Spin Rating: 1,800 RCF

Temperature Range: +20 to +90°C

#### Polypropylene (PP)

Spin Rating: 6,400 RCF

Temperature Range: -40 to +120°C

## 50ml Centrifuge Tubes

Premium quality, general purpose centrifuge tubes with optional printed graduations.

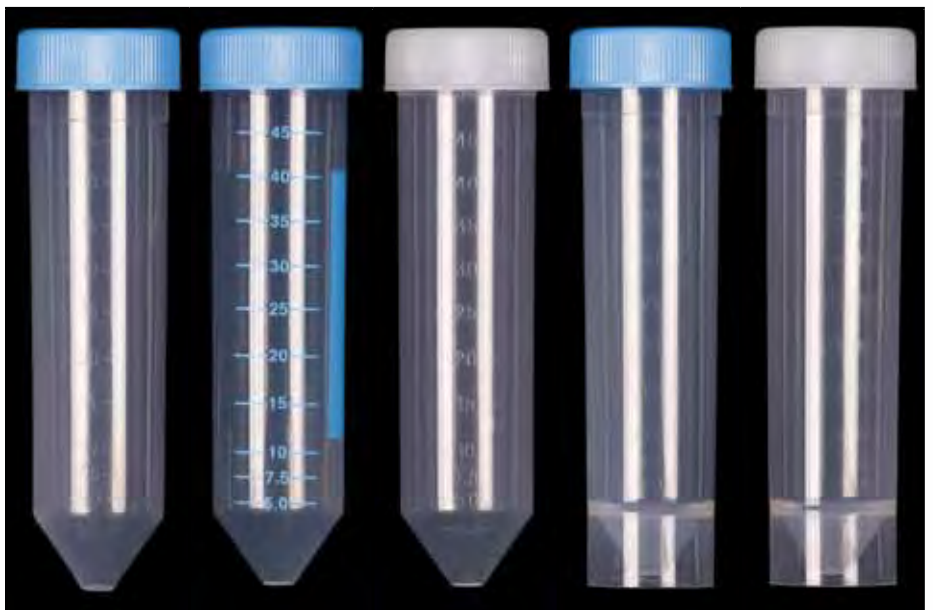


Rack with viewing apertures

- Available with skirted OR conical base.
- Printed tubes are graduated and have a write-on surface.
- Sterile versions meet AAMI Guidelines for irradiation.
- Sterile packs come tray packed or in economy pack of 25 pieces (x20).
- Made from premium grade polypropylene copolymer for excellent chemical resistance and exceptional clarity.

**Graduations:** Printed tubes start from 5ml; 2.5ml increments from 5.0 - 10ml; 5ml increments from 10 - 50ml

**Polyethylene Cap Choice:** Blue screw cap, natural screw cap\* (ideal for trace metal analysis as no colourants are used)



Volume (ml)		50.0	50.0	50.0	50.0	50.0	
Material		PP	PP	PP	PP	PP	
Graduation Type		Moulded	Printed	Moulded	Moulded	Moulded	
Additional Information		Threaded Blue PE screw cap included non-assembled Conical base	Threaded Blue PE screw cap included non-assembled Conical base	Threaded Natural PE cap included non-assembled Conical base	Threaded Blue PE screw cap included non-assembled Skirted base	Threaded Natural PE cap included non-assembled Skirted base	
PACKAGING	<b>NON-STERILE</b>						
	<b>LOOSE IN BAG</b>	Cat No	2092-000	2092-00P	2096-000*	2093-000	2093-NAT*
		Unit Qty	500	500	500	500	500
		Unit Price (£)	76.00	84.00	80.00	76.00	80.00
	<b>STERILE</b>						
	<b>25/BAG X 20</b>	Cat No	2082-STR	2082-STP		2093-STR	
Unit Qty		500	500		500		
	Unit Price (£)	93.00	106.00		93.00		
<b>TRAY RACK 25 X 20</b>	Cat No	2090-STR	2090-STP				
	Unit Qty	500	500				
	Unit Price (£)	108.00	120.00				

**PHYSICAL PROPERTIES  
(for capped tube)**  
Spin Rating: 10,000 RCF  
Temperature Range: -40 to +120°C

## Screw Cap Microcentrifuge Tubes

An improved range of screw cap microtubes available in 0.5, 1.5 and 2ml capacities. Sterile versions available.

- Six different tube sizes and styles available with moulded-in graduations.
- Tube and cap available sterile in packs of 50, with natural cap attached.
- Spin rated @ 18,000 x g.



Tubes

Volume (ml)	0.5	0.5	1.5	1.5	2.0	2.0	
Material	PP	PP	PP	PP	PP	PP	
Graduation Type	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	
Additional Information	Conical base	Skirted base	Conical base	Skirted base	Conical base	Skirted base	
<b>NON-STERILE</b>							
TUBE ONLY (SEE CAP SELECTION BELOW)	Cat No	021-4053-500	021-4054-500	021-4153-500	021-4154-500	021-4203-500	021-4204-500
	Unit Qty	500	500	500	500	500	500
	Unit Price (£)	17.00	17.00	17.00	17.00	17.00	17.00
<b>STERILE</b>							
TUBE WITH NATURAL CAP (ASSEMBLED)	Cat No	021-4058-510	021-4059-510	021-4158-510	021-4159-510	021-4208-510	021-4209-510
	Unit Qty	500	500	500	500	500	500
	Unit Price (£)	66.00	66.00	66.00	66.00	66.00	66.00

- Two types of cap available:
  - 1 - With an autoclavable, ethylene/propylene gasket, ensuring a positive leak tight seal especially at very low temperatures.
  - 2 - With a moulded-in liner.
- Eight different coloured caps sold separately for optimum choice.

Caps Only



Cap Colour	Natural	Blue	Green	Orange	Red	Lavender	Yellow	White	
SCREW CAP WITH GASKET	Cat No	021-4800-500	021-4800-501	021-4800-502	021-4800-503	021-4800-504	021-4800-505	021-4800-506	021-4800-509
	Unit Qty	500	500	500	500	500	500	500	500
	Unit Price (£)	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
SCREW CAP WITH MOULDED-IN SEAL	Cat No	021-4800-600	021-4800-601	021-4800-602	021-4800-603	021-4800-604	021-4800-605	021-4800-606	021-4800-609
	Unit Qty	500	500	500	500	500	500	500	500
	Unit Price (£)	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00

### PHYSICAL PROPERTIES (for capped tube)

Spin Rating: 18,000 RCF  
Temperature Range: -40 to +120°C

**Note:** Tubes/caps on this page are incompatible with printed tubes/caps on page 46.

Tube Storage Racks 88-89

## Screw Cap Microcentrifuge Tubes With Printed Graduations

- Available in 0.5ml, 1.5ml and 2ml skirted base and 1.5ml and 2ml conical base.
- Tubes are screen printed with graduations and a white marking area.
- Both tube and cap made from polypropylene.
- Tubes and caps sold separately in bags of 1000.
- Can be used at extreme temperatures from -196 to +121°C.
- Available sterile (pack 50 x 10) with caps.

**STERILE VERSIONS  
NOW AVAILABLE**



### Tubes

Volume (ml)	0.5	1.5	1.5	2.0	2.0	
Material	PP	PP	PP	PP	PP	
Graduation Type	Printed	Printed	Printed	Printed	Printed	
Additional Information	Skirted base	Conical base	Skirted base	Conical base	Skirted base	
<b>NON-STERILE</b>						
<b>TUBE ONLY (SEE CAP SELECTION BELOW)</b>	<b>Cat No</b>	021-4054-500P	021-4153-500P	021-4154-500P	021-4203-500P	021-4204-500P
	<b>Unit Qty</b>	1000	1000	1000	1000	1000
	<b>Unit Price (£)</b>	66.00	66.00	66.00	66.00	66.00
<b>STERILE</b>						
<b>STERILE TUBE WITH ATTACHED CAP</b>	<b>Cat No</b>		021-4153-500PS	021-4154-500PS	021-4203-500PS	021-4204-500PS
	<b>Unit Qty</b>		50x10	50x10	50x10	50x10
	<b>Unit Price (£)</b>		120.00	120.00	120.00	120.00



- Cap features an autoclavable, ethylene/propylene gasket, ensuring a positive leaktight seal on the tube.
- Six different coloured caps (besides natural) - sold separately - in bags of 1000.
- Suitable for use with automatic capping machines used in packaging industries.

### Caps Only

Cap Colour	Natural	Blue	Green	Red	Lavender	Yellow	White
<b>FLAT TOP SCREW CAP WITH 'O' RING</b>	<b>Cat No</b>	021-4800-500F	021-4800-501F	021-4800-502F	021-4800-504F	021-4800-505F	021-4800-509F
	<b>Unit Qty</b>	1000	1000	1000	1000	1000	1000
	<b>Unit Price (£)</b>	60.00	60.00	60.00	60.00	60.00	60.00

### PHYSICAL PROPERTIES (for capped tube)

Spin Rating: 17,000 RCF  
Temperature Range: -196 to +121°C



## Elkay Storage Vials With Screwcaps

Ideal for storage of biological materials, these PP-copolymer tubes matched to high density polyethylene (HDPE) caps provide an incredibly secure 2-turn closure with an external thread.

- Available in 2.0, 2.5 and 3.5ml volumes
- Round bottom tubes have moulded-in locking bases
- Tubes are graduated at 1/2 ml increments with a frosted write-on surface
- Internal sealing ring in cap envelops the top of the tube to prevent liquid by-pass
- Round bottom design assists to maximise sample recovery
- Four cap choices available in Blue, Green, Red and White
- Can be used in temperatures ranging from -40°C to 121°C
- Universal locks hold tubes securely allowing one-handed operation



### Storage Vials with Cap

Volume (ml)		2.0	2.5	3.5	3.5	
Size (mm) tube only		13 x 47	13 x 54	13 x 76	13 x 76	
<b>PACKAGING</b>	<b>NON-STERILE (Tube and Cap packed separately)</b>					
	<b>TUBES WITH BLUE CAP</b>	Cat No	8535	8540	8545	
		Unit Qty	1000 (2x500)	1000 (2x500)	1000 (2x500)	
		Unit Price (£)	66.00	70.00	75.00	
	<b>TUBES WITH WHITE CAP</b>	Cat No	8535W	8540W	8545W	
		Unit Qty	1000 (2x500)	1000 (2x500)	1000 (2x500)	
		Unit Price (£)	66.00	70.00	75.00	
	<b>TUBES WITH GREEN CAP</b>	Cat No	8535G	8540G	8545G	
		Unit Qty	1000 (2x500)	1000 (2x500)	1000 (2x500)	
		Unit Price (£)	66.00	70.00	75.00	
<b>TUBES WITH RED CAP</b>	Cat No	8535R	8540R	8545R		
	Unit Qty	1000 (2x500)	1000 (2x500)	1000 (2x500)		
	Unit Price (£)	66.00	70.00	75.00		
<b>TUBES ONLY AMBER COLOUR</b>	Cat No				8545AMX	
	Unit Qty				1000 (4x250)	
	Unit Price (£)				60.00	
<b>STERILE</b>						
<b>TUBES WITH BLUE CAP (ASSEMBLED)</b>	Cat No	8536	8541	8546		
	Unit Qty	500 (5x100)	500 (5x100)	500 (5x100)		
	Unit Price (£)	54.00	62.00	66.00		

### Caps Only

Cap Colour		Blue	White	Green	Red
<b>FLAT TOP SCREW CAPS</b>	Cat No	8534B	8534W	8534G	8534R
	Unit Qty	1000	1000	1000	1000
	Unit Price (£)	25.00	25.00	25.00	25.00

### Rack Only

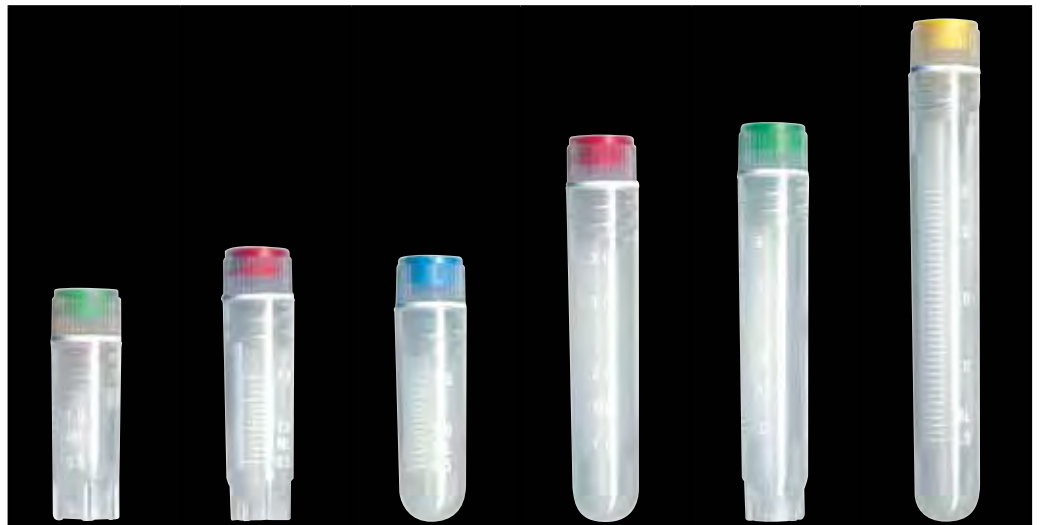
Colour		Blue
Cat No		8542
Unit Qty		each
Unit Price (£)		13.00



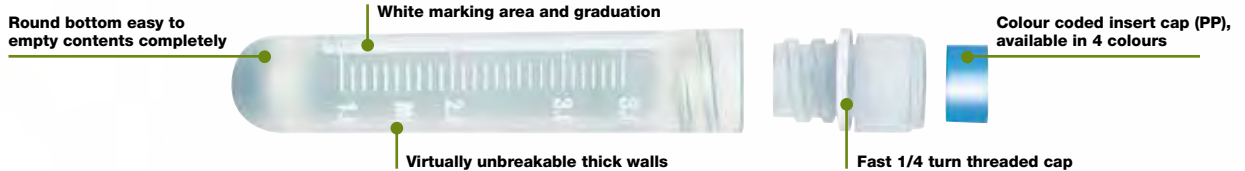
## Cryovial® - Cryogenic Storage Vials Internal Threaded Tubes

Internal threaded cryogenic vials are designed for storing biological material, human or animal cells at temperatures as low as -196°C.

- A silicone seal between the cap and tube ensures a positive, leaktight seal at all temperatures.
- Tube, cap and cap insert made from polypropylene.
- White markings are on tube with clear printed graduations.
- Sterilised by gamma irradiation and packed in unique resealable, safety-lock bags.
- Vials are certified DNase, RNase and DNA-free.
- Free standing tubes have universal lock design in base.
- **To be used in vapour phase of liquid nitrogen only.**



Volume (ml)		1.2	2.0	2.0	4.0	4.0	5.0
Size (mm)		12.5 x 41	12.5 x 49	12.5 x 48	12.5 x 70	12.5 x 72	12.5 x 90
Material		PP	PP	PP	PP	PP	PP
Graduation Type		Printed	Printed	Printed	Printed	Printed	Printed
Additional Information		Free-standing, Universal Locking Base	Free-standing, Universal Locking Base	Round Base	Round Base	Free-standing, Universal Locking Base	Round Base
CRYOVIAL® WITH INTERNAL THREADED TUBE	Cat No	127-T311-100	127-T311-200	127-T311-300	127-T311-400	127-T311-420	127-T311-500
	Unit Qty	100	100	100	100	100	100
	Unit Price (£)	19.00	19.00	19.00	20.00	20.00	21.00



Cap Inserts				
Insert Colour	Blue	Green	Red	Yellow
Cat No	127-T312-200	127-T312-300	127-T312-400	127-T312-500
Unit Qty	500	500	500	500
Unit Price (£)	9.00	9.00	9.00	9.00

CE

**PHYSICAL PROPERTIES:**

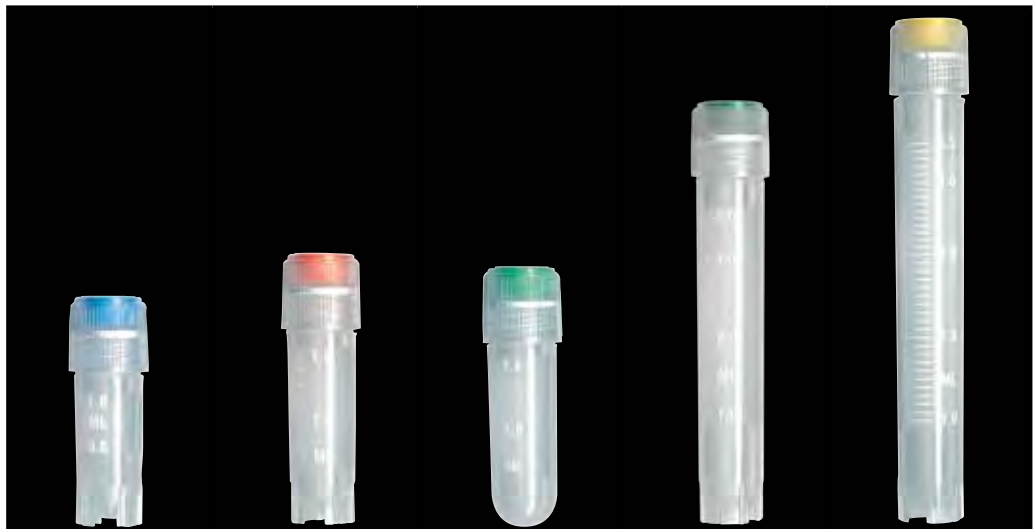
Spin Rating: 17,000 RCF  
Temperature Range: -196 to +121°C

## Cryovial® - Cryogenic Storage Vials

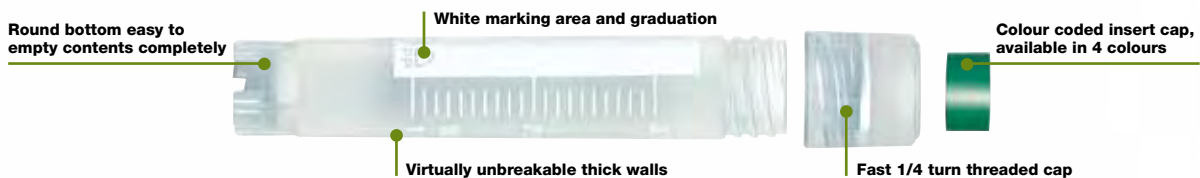
### External Threaded Tubes

External threaded cryogenic vials are designed for storing biological material, human or animal cells at temperatures as low as -196°C.

- A silicone seal between the cap and tube ensures a positive, leaktight seal at all temperatures.
- Tube and cap made from polypropylene.
- White markings are on tube with clear printed graduations.
- Sterilised by gamma irradiation and packed in unique resealable, safety-lock bags.
- Vials are certified DNase, RNase and DNA-free.
- Free standing tubes have universal lock design in base.
- **To be used in vapour phase of liquid nitrogen only.**



Volume (ml)	1.2	2.0	2.0	4.0	5.0	
Size (mm)	12.5 x 42	12.5 x 49	12.5 x 47	12.5 x 77	12.5 x 91	
Material	PP	PP	PP	PP	PP	
Graduation Type	Printed	Printed	Printed	Printed	Printed	
Additional Information	Free-standing, Universal Locking Base	Free-standing, Universal Locking Base	Round Base	Free-standing, Universal Locking Base	Free-standing, Universal Locking Base	
CRYOVIAL® WITH EXTERNAL THREADED TUBE	Cat No	127-T310-100	127-T310-200	127-T310-300	127-T310-420	127-T310-520
	Unit Qty	100	100	100	100	100
	Unit Price (£)	19.00	19.00	19.00	20.00	21.00



CE

#### PHYSICAL PROPERTIES:

Spin Rating: 17,000 RCF  
Temperature Range: -196 to +121°C

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Compatible cap inserts

# Test Tubes, Vials & Caps

## Transport Tubes - 5ml, 10ml, 30ml and 50ml

Freestanding tubes for use in transport and storage of biological samples.

- Conical bottom for complete sample removal
- Moulded-in graduations.
- Available sterile or non-sterile.
- Shatter proof polypropylene tubes with polyethylene caps.
- Blue, White and Red caps available on 5 & 10ml tubes.
- Ideal for use when air transport of samples is required.



Transport Tubes

Volume (ml)	5	10	30	50		
Size (mm) - with cap	60 x 20	94 x 20	83 x 34	117 x 34		
Material	PP-CO*	PP-CO*	PP-CO*	PP-CO*		
<b>NON-STERILE</b>						
<b>PACKAGING</b>	<b>TUBES WITH BLUE CAP (UNASSEMBLED)</b>	Cat No	127-T160-560	127-T160-930	500-1000-306	2093-000
		Unit Qty	4x250	4x250	1x500	1x500
		Unit Price (£)	65.00	68.00	72.00	76.00
	<b>TUBES WITH WHITE CAP (UNASSEMBLED)</b>	Cat No	127-T160-561	127-T160-931		
		Unit Qty	4x250	4x250		
		Unit Price (£)	65.00	68.00		
	<b>TUBES WITH RED CAP (UNASSEMBLED)</b>	Cat No	127-T160-562	127-T160-932		
		Unit Qty	4x250	4x250		
		Unit Price (£)	65.00	68.00		
	<b>TUBE ONLY</b>	Cat No	127-0160-560	127-0160-930		
		Unit Qty	4x250	8x250		
		Unit Price (£)	50.00	106.00		
<b>STERILE</b>						
<b>TUBES WITH CAP (ASSEMBLED)</b>	Cat No	127-C160-56X	127-C160-93S	500-1000-308	2093-STR	
	Unit Qty	20x25	20x25	1x500	20x25	
	Unit Price (£)	64.00	77.00	75.00	93.00	
Cap colour provided with sterile tube:	White	White	Blue	Blue		

**PHYSICAL PROPERTIES:**

\*PP-PO (Polypropylene Co-Polymer)  
Temperature Range: -40 to +120°C

## Auto Analyser Sample Cups and Insert Cups

- Sizes from 0.5 to 4ml.
- Overfit caps available (see table).
- 0.5, 2 and 4ml capacities used on a multitude of auto analyser carousels including Kodak, Bayer, I.L., Olympus, and Hitachi.
- Ezee-Nest Cup: Samples are poured from blood collection tubes into the cup which is immediately placed inside the tubes, eliminating the need to re-label.

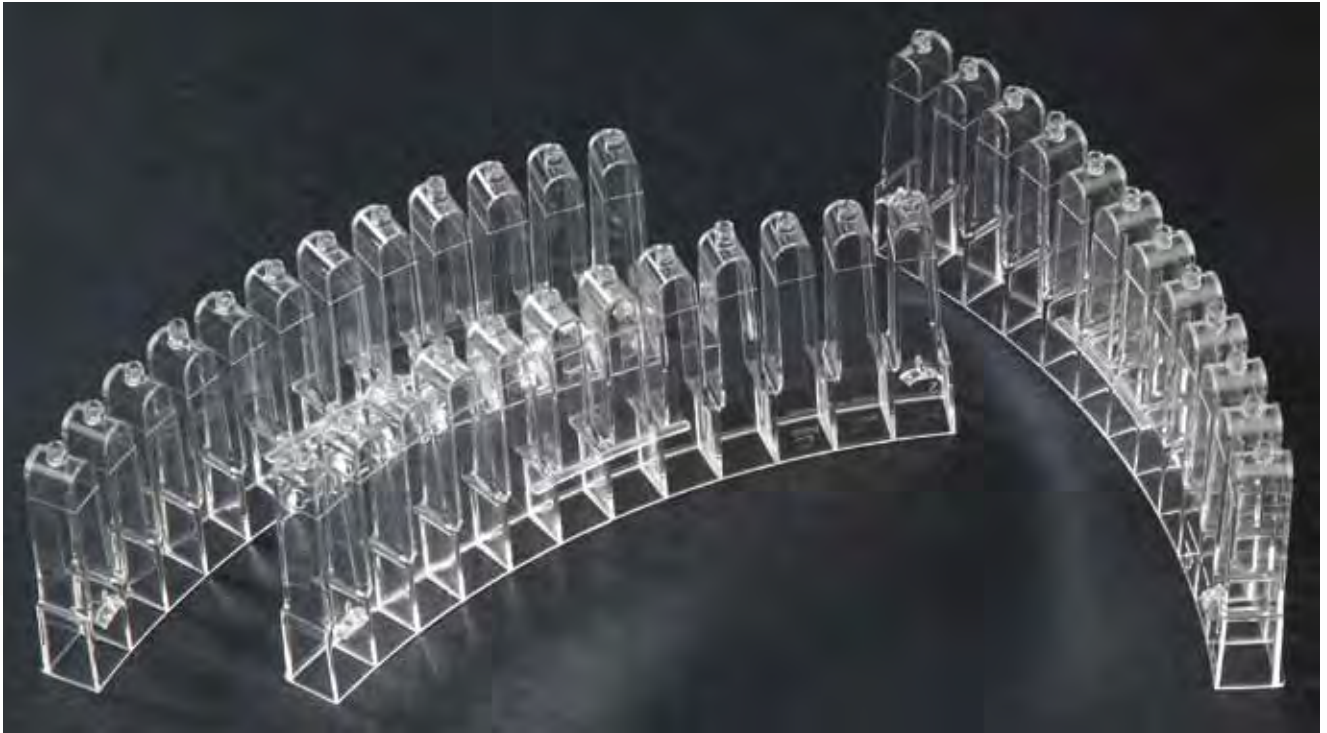


Volume (ml)	0.5	2.0	2.0	2.0	4.0	
Size (mm)	15 x 24	15 x 24	15 x 24	17 x 37	17 x 38	
Material	PS	PS	PE	PS	PS	
Analyser Compatibility	Bayer Hitachi I.L. Kodak Olympus	Bayer Hitachi I.L. Kodak Olympus	Bayer Hitachi I.L. Kodak Olympus	Hitachi	Bayer Hitachi I.L. Kodak Olympus	
<b>EZEE-NEST CUPS</b>	<b>Cat No</b>	127-0093-000	127-0090-000	127-0090-100	127-0016-HIT	127-0018-000
	<b>Unit Qty</b>	1000	1000	1000	1000	1000
	<b>Unit Price (£)</b>	14.00	13.60	21.00	18.00	17.00



Volume (ml)	1.0	1.0	2.0	N/A	N/A	
Size (mm)	15 x 30	8 x 30	17 x 30	N/A	N/A	
Material	PS	PP	PS	PE	PE	
Additional Information/ Analyser Compatibility	Ezee-nest cup for use with 13mm blood tubes	Insert cup for use with 13mm blood tubes Insert can be capped whilst in situ	Insert cup for use with 16mm blood tubes	Overfit cap for use with 0.5ml analyser cup: 127-0093-000 127-0090-100	Overfit cap for use with 2ml analyser cups: 127-0090-000 127-0013-000	
<b>EZEE-NEST INSERTS/CAPS</b>	<b>Cat No</b>	127-0013-000	127-0014-SPC	127-0016-000	127-0019-00X	127-0019-000
	<b>Unit Qty</b>	1000	4000	1000	1000	5 x 1000
	<b>Unit Price (£)</b>	22.00	62.00	29.00	17.00	60.00

## Cuvette Segment for ABX Pentra 400 Clinical Chemistry Benchtop Analyser



The single-use cuvette segment has been designed specifically to fit the automatic cuvette changer situated within the popular Pentra 400 analyser. Each cuvette segment is CE-marked and manufactured from acrylic (PMMA) to exacting tolerances.

- Designed to work within the 340 - 700nm range
- Suitable for both routine and specialised clinical chemistry analyses
- Economic alternative to the equipment manufacturers offering
- Sturdy, recyclable packaging
- Available in racked or single-wrapped options
- Also suitable for use in Cobas® Mira analysers

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
127-0678-R05	Preloaded (Rack) Version, Cuvette segment, racked for autoloading (15 / rack x 30)	450	220.00
127-3986-500	Bulk Pack Version, Cuvette segment, 50 individually wrapped x 10	500	230.00



Call us today  
to discuss  
high-volume  
discounts

## Brand™ UV-Cuvettes, Cap and Rack

Brand™ UV cuvettes offer a high quality, disposable option for UV/VIS range spectrophotometric analysis.

- Micro cuvettes have been specially designed for photometric determination of proteins, ssDNA, dsDNA, RNA and oligonucleotides.
- All Brand™ UV-cuvettes are suitable for use with most common solvents, acids and alkalis (please test for specific usage and long-term storage).



BRAND™ UV-CUVETTES						
<b>Working Volume (ml)</b>	0.85	0.85	0.55	3.00	4.50	
<b>Wavelength (nm)</b>	220 - 900	220 - 900	220 - 900	220 - 900	220 - 900	
<b>Material</b>	UV-transparent Plastic	UV-transparent Plastic	UV-transparent Plastic	UV-transparent Plastic	UV-transparent Plastic	
<b>Product Information</b>	Micro 8.5mm centre height	Micro 8.5mm centre height individually wrapped, DNase, RNase & DNA-free	Micro 15mm centre height	Semi-micro	Macro	
<b>BRAND™ UV-CUVETTES &amp; CAP</b>	<b>Cat No</b>	759200	759215	759220	759150	759170
	<b>Unit Qty</b>	100	100	100	100	100
	<b>Unit Price (£)</b>	22.00	49.00	22.00	28.00	28.00



		CAP	CUVETTE RACK
<b>Working Volume (ml)</b>		N/A	-
<b>Wavelength (nm)</b>		N/A	-
<b>Material</b>		PE	PP
<b>Product Information</b>		Round blue cap for use with Brand™ Semi-micro and Macro cuvettes	Cuvette Rack holds 16 cuvettes autoclaveable, grey
<b>BRAND™ UV-CUVETTES &amp; CAP</b>	<b>Cat No</b>	759240	759500
	<b>Unit Qty</b>	100	each
	<b>Unit Price (£)</b>	10.00	9.00

## Elkay Plastic Cuvettes For spectrophotometric use

- Elkay cuvettes come in two designs, Square and Micro-square.
- Trays of 100 cuvettes (10x10) and are made from recyclable expanded PS foam to eliminate scratching.
- Optical-grade virgin polystyrene.



		ELKAY CUVETTES		CAPS	
<b>Working Volume (ml)</b>		2.90	4.50	N/A	N/A
<b>Wavelength (nm)</b>		340 - 800	340 - 800	N/A	N/A
<b>Material</b>		Optical-grade PS	Optical-grade PS	PE	PE
<b>Product Information</b>		Micro-square with round opening	Square with 4 clear sides	Square cap for use with square opening cuvettes (including Brand™)	Flange Plug Tite cap for use with round opening cuvettes
<b>ELKAY CUVETTES &amp; CAPS</b>	<b>Cat No</b>	127-1010-007	127-1010-400	127-1010-004	127-0019-100
	<b>Unit Qty</b>	500	500	1000	1000
	<b>Unit Price (£)</b>	27.00	27.00	25.00	15.00

## Dilu-Vial® - Optically clear 25ml sample vial with snap-on lid



- Optically clear, parallel sides.
- Leak-tight cap with tab.
- Vial made from Polystyrene, cap material is Low Density Polyethylene
- External dimensions: 32mm x 60mm

### Dilu-Vial®

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
BULK-030	Dilu-Vial® with snap-on cap, bulk pack	1000	53.00



# Multiwell Plates, PCR & Sealing

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Racked Microtube Systems	60-61
Rezee-voir™ Reagent Reservoirs	62-63
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Sealing Products - Film, Foil, Mats & Lids	71-73
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# Multiwell Plates, PCR and Sealing

In order to meet and often exceed customer expectations, Elkay offer a precision manufactured, comprehensive range of consumables for microplate, PCR and sealing applications. With over 20 new or improved products added to this section alone, we have put a real emphasis on offering our customers a solution for all their research and routine laboratory needs.

## Storage Plates

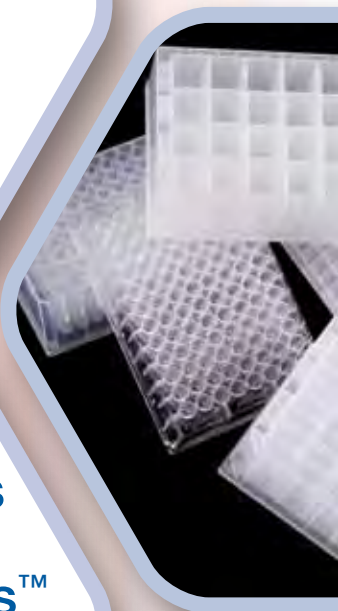
- High-Throughput Screening
  - Dilutions
  - Sample Preparation
- Combinatorial Chemistry
  - Reference Libraries
  - Long-term Storage
    - SBS Formats

## Clinical Assay Plates

- ELISA's
- Assay Preparation
- Sample Storage
  - Microbiology
  - Virology
- Blood Banks

## 'Speciality' Plates and Reagent Reservoirs™

- HitPlate Racked Tubes
- 24/48 Well Assay Plates
- Automation Compatible Reagent Reservoirs





## PCR Plates

- 96 / 384 well options
- Skirted, Half-skirted and Non-skirted formats
- Elevated wells available
- RT-PCR and Sequencing compatibility

## PCR Tubes and Strips

- 0.2ml Tubes with Flat and Domed Caps
- 0.5ml Tubes with Flat Caps
- Microstrips of 8 x 0.2ml Tubes with separate and attached caps
  - Optically Clear Micro Caps




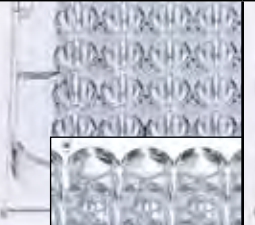
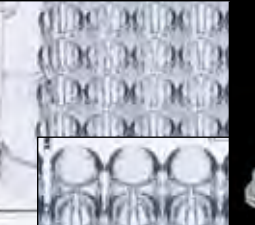

## Sealing

- Adhesive Sealing Film in:
  - Polyester
  - Polypropylene
  - Optically Clear Polyester
    - Aluminium Foil
- EVA and Silicone Sealing Mats in 24, 48, 96 & 384-well formats
- Sealing Roller available

# Multiwell Plates, PCR and Sealing

## Multiwell Plates - 96 Well

- Stackable
- Alphanumeric numbering for sample identification
- Cut-away corners to help facilitate orientation
- Manufactured from premium grade raw materials


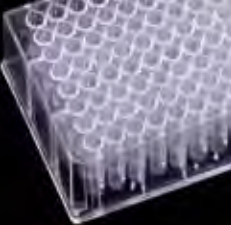



	Polystyrene			Polypropylene
				
<b>Plate Details</b>	Polystyrene 96 x Round Bottom Clear	Polystyrene 96 x Conical 'V' Bottom Clear	Polystyrene 96 x Flat Bottom Clear	Polypropylene 96 x Round Well Natural
<b>Maximum Well Volume (ml)</b>	0.33	0.23	0.38	0.5
<b>CATALOGUE NUMBER</b>	MICR-TPU	MICR-TPV	MICR-TPF	MICR-PUX
<b>Unit Qty</b>	100	100	100	50
<b>Unit Price (£)</b>	40.00	40.00	40.00	110.00
<b>SBS Format</b>	No	No	No	Yes
<b>RECOMMENDED USES</b>				
<b>General Storage</b>		✓		✓
<b>HTS</b>				✓
<b>Compound Storage/Libraries</b>				✓
<b>Combinatorial Chemistry</b>				✓
<b>Reference Libraries</b>				
<b>Assay Preparation</b>	✓	✓	✓	
<b>Blood Banks</b>	✓			
<b>Other:</b>	Microbiology Virology	Centrifugal Protocols	ELISA's Spectrophotometry	Screening Culturing Assays
<b>SEALING OPTIONS (for Pricing see pages 61-63)</b>				
<b>Film</b>	SEA-LPLT-100* SEA-LPLT-STR SEA-LPLT-GSX	SEA-LPLT-100* SEA-LPLT-STR SEA-LPLT-GSX	SEA-LPLT-100* SEA-LPLT-STR SEA-LPLT-GSX	SEA-LPLT-100* SEA-LPLT-STR SEA-LPLT-GSX
<b>Aluminium Foil</b>	SEA-LPLT-F96 SEA-LPFC-100	SEA-LPLT-F96 SEA-LPFC-100	SEA-LPLT-F96 SEA-LPFC-100	SEA-LPLT-F96 SEA-LPFC-100
<b>Mats</b>				MAT-WP-96RD
<b>Lids</b>	MICR-LID	MICR-LID	MICR-LID	

\* Recommended sealing option for general use

**Quantity  
discounts  
available**

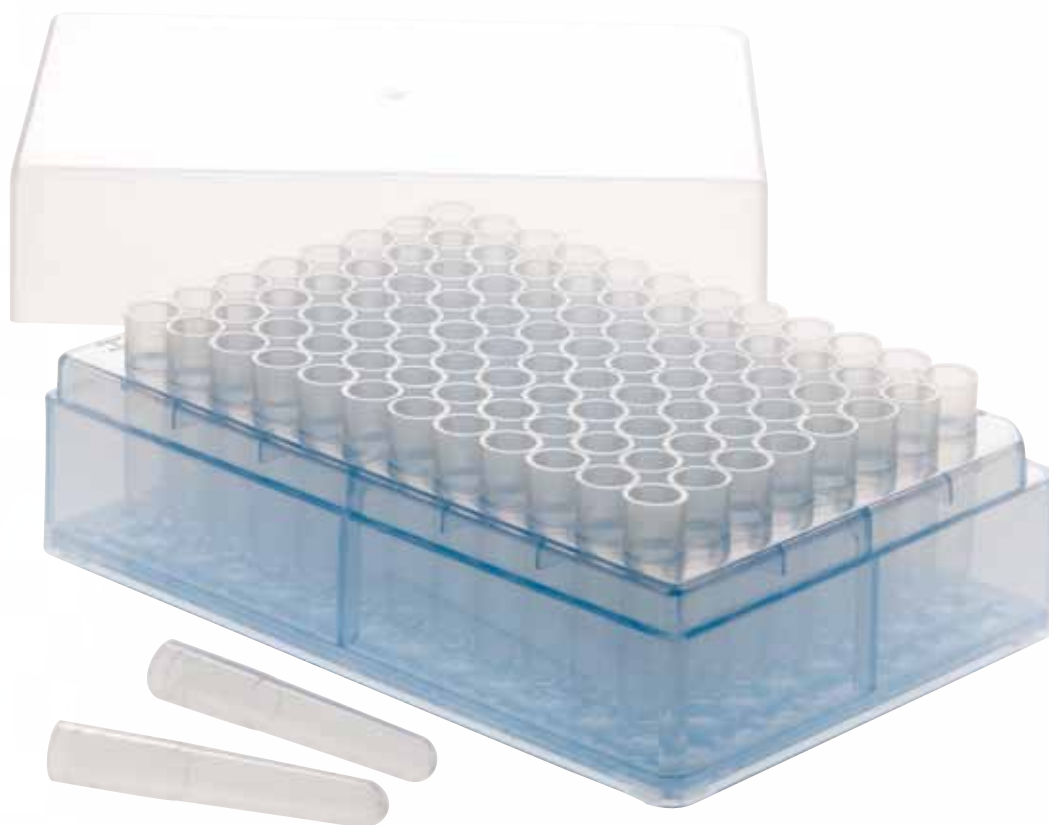
## Multiwell Plates - 96 Deep-Well

- Manufactured from virgin polypropylene, which is autoclavable and has high chemical resistance
- Compatible with all liquid handling workstations and robot 'ready'
- Alphanumeric numbering for sample identification, moulded into top edge of plate
- Improved round bottom well design
- Ideal for applications such as compound storage, reference labs, blood banks etc.

Polypropylene	Polystyrene	Polypropylene		
				
Polypropylene <b>96 x Conical 'V' Well</b> Natural	riplate® Polystyrene <b>96 x 1ml Round Well</b> Clear	riplate® Polypropylene <b>96 x 1ml Round Well</b> Natural	riplate® <b>Plus</b> Polypropylene <b>96 x 1ml Round Well</b> Vented with Raised 'Chimneys' Natural	riplate® Polypropylene <b>96 x 2.4ml Square Well</b> Natural
0.48	1.2	1.2	1.2	2.5
MICR-PVX	DT850276	DT850289	43001-0116	DT850301
50	20	20	20	20
110.00	48.00	48.00	48.00	50.00
Yes	Yes	Yes	Yes	Yes
✓	✓	✓	✓	✓
✓		✓	✓	✓
✓		✓	✓	✓
✓		✓	✓	✓
		✓	✓	✓
	✓	✓	✓	✓
		✓	✓	✓
Storage / transport of samples	Pre-assay dilutions		Water Based PCR protocols	
SEA-LPLT-100* SEA-LPLT-STR SEA-LPLT-GSX	SEA-LPLT-100 SEA-LPLT-STR SEA-LPLT-GSX	SEA-LPLT-100 SEA-LPLT-STR SEA-LPLT-GSX	SEA-LPLT-100 SEA-LPLT-STR SEA-LPLT-GSX	SEA-LPLT-100 SEA-LPLT-STR SEA-LPLT-GSX
SEA-LPLT-F96 SEA-LPFC-100	SEA-LPLT-F96 SEA-LPFC-100	SEA-LPLT-F96 SEA-LPFC-100	SEA-LPLT-F96 SEA-LPFC-100	SEA-LPLT-F96 SEA-LPFC-100
MAT-WP-96RD	DT850277*	DT850277*	DT850277*	DT850317* MAT-WP-96SQ

## Autotube Racked Microtube System For archiving and long-term storage

Racked autotubes have the same footprint as microtitration plates – so there is no need for an adaptor when replacing plates in automatic pipetting stations.



- 96 x 1.1ml tubes per rack in the standard 8 x 12 format
- Made from 100% virgin polypropylene. Tubes, racks and covers are autoclavable and can be stored to -80°C
- Resistant to most research chemicals
- Easy-to-read numbers and letters on the lid to allow identification of tube positions
- Polyethylene plug caps come on a strip (8 caps per strip) which can either be used with rows of tubes or cut into individual caps. Cap strips are available non-sterile and sterile, but are not autoclavable.
- Caps maintain sample integrity during mixing and storage.
- Many uses in all types of laboratories including:
  - Cell harvesting
  - Cell uptake studies
  - Receptor binding assays
  - Radio Immunoassays (RIA)
  - Enzyme Immunoassays (EIA)

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
000-MICR-120	Autotubes only, Bulk, Non-sterile, 1.1ml	960	22.00
001-MICR-096	Autopack 96 (Rack, Cover & Tubes), Non-sterile	10x96	44.00
001-MICR-S96	Autopack 96 (Rack, Cover & Tubes), Sterile	10x96	53.00
MICR-128	Autotube 8-Strip Tubes, 1.1ml, Non-sterile	8x120	22.00
STRP-008	Autotube Plug Caps, Non-sterile, 120x8	960	16.00
STRP-ST8	Autotube Plug Caps, Sterile, 120x8	960	21.00

**Stainless Steel Freezer Racking 91-92**

## Hitplate™ Racked Microtube System

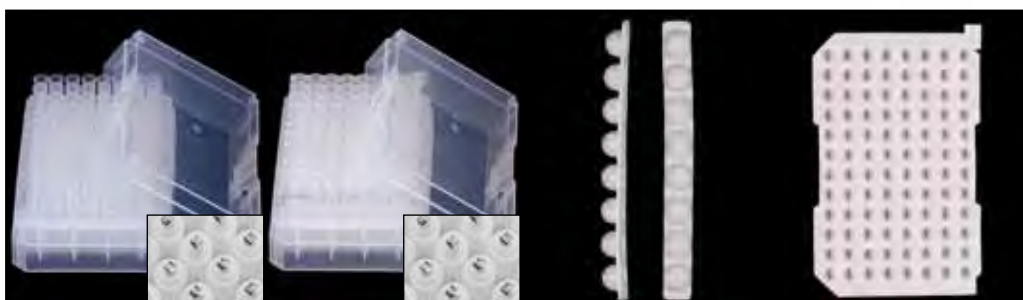
For use in automation applications

Hitplate™ is the ideal partner when multi-channel liquid handling of larger volume samples is required, particularly suited for use with automated liquid handling systems. The optional retaining frame offers extra security ensuring tubes cannot be removed unintentionally.

- SBS standard footprint
- Individual alphanumeric printed tubes available
- Made from 100% virgin polypropylene
- Tubes, racks and covers are autoclavable and can be stored to -80°C
- Retaining frame version for use with robotic systems



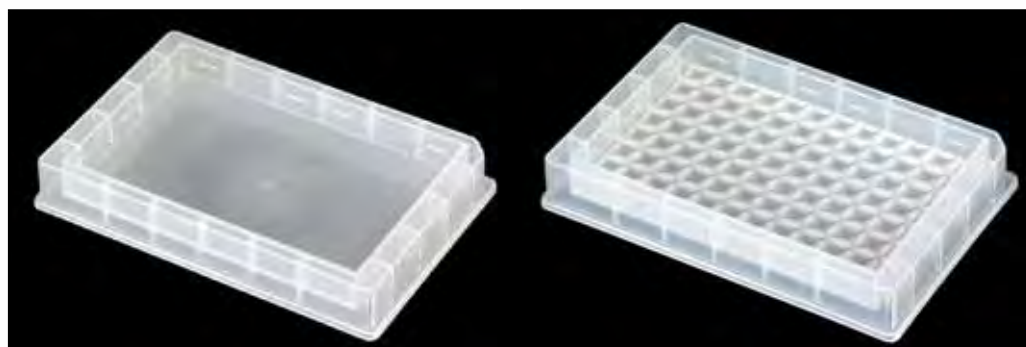
<b>Product Details</b>	Hitplate™ 96 x 1.2ml Polypropylene Racked, Removeable Tubes with Cover Natural	Hitplate™ 1.2ml Individual Polypropylene Tubes Natural	Hitplate™ Empty Rack with Cover	Hitplate™ 96 x 1.2ml Polypropylene Racked, Removeable Tubes with Retaining Frame and Cover Natural
<b>CATALOGUE NUMBER</b>	605100	605101	605110	605300
<b>Unit Qty</b>	10 x 96	960	10	10 x 96
<b>Unit Price (£)</b>	70.00	48.00	50.00	100.00
<b>Additional Information</b>	Good for organised and secure sample storage.	Enables reuse of the Hitplate™ rack. Useful for pre-assay dilutions (ie ELISA's, etc.). Compatible with some sample processors.	For use with individual Hitplate™ tubes.	Retaining frame secures tubes for use with robotics. Can decant tubes whilst in a racked format.



<b>Product Details</b>	Hitplate™ 96 x 1.2ml Polypropylene Racked, Alphanumeric Printed Tubes and Cover Natural	Hitplate™ 96 x 1.2ml Polypropylene Racked, Alphanumeric Printed Tubes with Retaining Frame and Cover Natural	Hitplate™ Strip of 8 x Polyethylene Pierceable Plug Caps	96 Cap mat for Hitplate™ Pierceable
<b>CATALOGUE NUMBER</b>	605400	605500	605115	605277
<b>Unit Qty</b>	10 x 96	10 x 96	120	pk10
<b>Unit Price (£)</b>	90.00	110.00	45.00	40.00
<b>Additional Information</b>	Alphanumeric printing helps identify placement of individual tubes if removed.	Retaining frame secures tubes for use with robotics. Alphanumeric printing helps identify placement of individual tubes if removed. Can decant tubes whilst in a racked format.		For use with 605100, 605300, 605400 and 605500

## Automation Compatible Reagent Reservoir™

- Moulded from natural virgin polypropylene
- Pyramidal well bottom for maximum reagent recovery
- Chemical and heat resistant
- Autoclavable
- Adheres to SBS/ANSI standard dimensions
- Pre-sterilised reservoirs are available - contact us for full details



<b>Product Details</b>	Low Profile Single Well Reagent Reservoir	Low Profile Single Well Reagent Reservoir with 96 'Pools'
<b>Type</b>	Standard	Pool
<b>Maximum Fill Volume</b>	90ml	86ml
<b>Maximum 'Pool'/Column Volume</b>	90ml	64µl
<b>CATALOGUE NUMBER</b>	RES-01SW-025	RES-96SW-025
<b>Unit Qty</b>	25	25
<b>Unit Price (£)</b>	147.00	147.00



<b>Product Details</b>	Anti-splash Baffle Reservoir Baffle for use with RES-01SW-025	High Profile Single Well Reagent Reservoir with 96 'Pools'
<b>Type</b>	N/A	Pool
<b>Maximum Fill Volume</b>	N/A	240ml
<b>Maximum 'Pool'/Column Volume</b>	N/A	64µl
<b>CATALOGUE NUMBER</b>	RES-BAFF-L10	RES-96DW-025
<b>Unit Qty</b>	10	25
<b>Unit Price (£)</b>	19.70	147.00

18-21

Automation  
Grade Tips

25&28

Multi-channel  
Pipettors




# Multiwell Plates, PCR and Sealing

Four designs are available:

- Standard Series: a shallow well reservoir holding a max volume of 90ml
- Pool Series: 96 or 384 well 'pools' holding sample volumes of 7 and 64µl in a low profile style
- Trough Series: 8 or 12 channel troughs in shallow well format holding 175 and 4ml per channel
- Partition Series, 8 or 12 row in deep well format holding 21 and 32ml volumes



Low Profile Single Well Reagent Reservoir with 384 'Pools'	Low Profile Reagent Reservoir with 8 Trough Rows	Low Profile Reagent Reservoir with 12 Column Partitions
Pool	Trough	Partition
92ml	32ml	21ml
7µl	4ml	1.75ml
RES-38SW-025	RES-08SW-025	RES-12SW-025
25	25	25
147.00	147.00	147.00

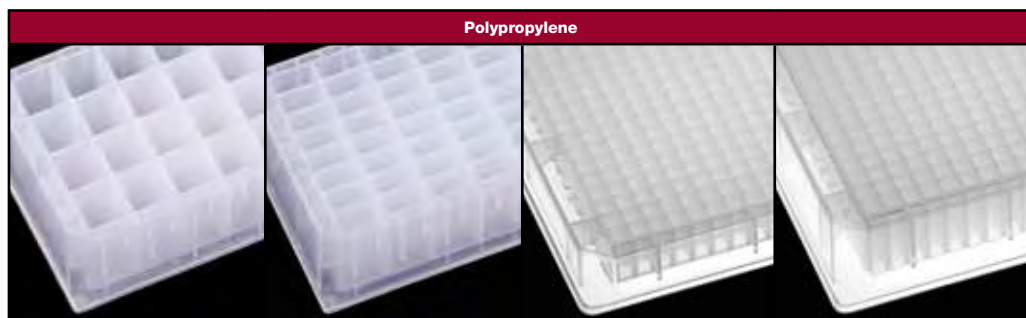


High Profile Single Well Reagent Reservoir with 384 'Pools'	High Profile Reagent Reservoir with 8 Row Partitions	High Profile Reagent Reservoir with 12 Column Partitions
Pool	Partition	Partition
282ml	256ml	252ml
7µl	32ml	21ml
RES-38DW-025	RES-08DW-025	RES-12DW-025
25	25	25
147.00	147.00	147.00

# Multiwell Plates, PCR and Sealing

## Multiwell Plates - 24, 48 & 384 Deep-Well

- SBS standard footprint
- Optimised storage volume due to rectangular well shape
- Designed for high throughput applications and are well suited for combinatorial chemistry
- Ideal for compound storage and handling biological samples
- DMSO resistant



Polypropylene				
<b>Plate Details</b>	Polypropylene 24 x 10ml 'V' Shaped Well Natural	Polypropylene 48 x 5ml 'V' Shaped Well Natural	Polypropylene 384 x 0.12ml Square Shallow Well Natural	Polypropylene 384 x 0.24ml Square Deep Well Natural
<b>Maximum Well Volume (ml)</b>	10	5	0.13	0.25
<b>CATALOGUE NUMBER</b>	43001-0066	43001-0062	384-WELL-005	384-WELL-006
<b>Unit Qty</b>	20	20	24	24
<b>Unit Price (£)</b>	84.00	84.00	89.00	130.00
<b>SBS Format</b>	Yes	Yes	Yes	Yes
<b>RECOMMENDED USES</b>				
<b>General Storage</b>	✓	✓	✓	✓
<b>HTS</b>	✓	✓	✓	✓
<b>Compound Storage/Libraries</b>	✓	✓		
<b>Combinatorial Chemistry</b>	✓	✓		
<b>Reference Libraries</b>	✓	✓	✓	✓
<b>Assay Preparation</b>	✓	✓		
<b>Blood Banks</b>				
<b>Other:</b>				
<b>SEALING OPTIONS</b>				
<b>Film</b>	SEA-LPLT-100 SEA-LPLT-STR	SEA-LPLT-100 SEA-LPLT-STR	SEA-LPLT-100 SEA-LPLT-STR	SEA-LPLT-100 SEA-LPLT-STR
<b>Aluminium Foil</b>	SEA-LPLT-F96 SEA-LPFC-100	SEA-LPLT-F96 SEA-LPFC-100	SEA-LPLT-F96 SEA-LPFC-100	SEA-LPLT-F96 SEA-LPFC-100
<b>Mats</b>	43001-0070*	43001-0069*	MAT-WP-384SQ*	MAT-WP-384SQ*

\* Recommended sealing option for general use

Sealing Mats 72-73

Multiwell Plate Storage Solutions 90-91

# Multiwell Plates, PCR and Sealing

## Elkay PCR

All Elkay PCR consumables have ultra-thin walls, are precision moulded and made from virgin polypropylene. The dimensional accuracy of the wall thickness helps ensure a rapid and uniform thermal transfer during the PCR process. This will keep specificity high and cycling times low but most importantly provide researchers with accurate and reproducible results from their plastic consumables.

Elkay PCR products are cleanroom produced and certified DNase, RNase and endotoxin free on a lot by lot basis, thus ensuring product reliability and peace of mind at a reasonable cost.

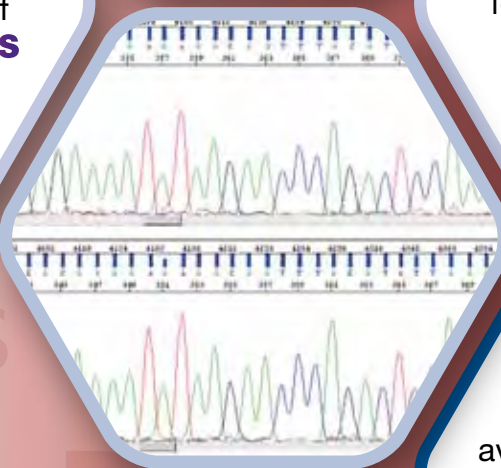
Certified DNase,  
RNase and Pyrogen Safe



Cross reference information  
for thermal cyclers, Q-PCR  
cyclers and sequencers

PCR tubes and strips  
available in a variety of  
formats and **COLOURS**

New Plate and well formats  
for RT-PCR, sequencers  
and comprehensive  
sealing options



Elevated wells  
available in 96 well format  
ensuring effective sealing  
and reduced risk of  
cross-contamination

## PCR Tubes

- 0.2ml and 0.5ml tubes are compatible with all current thermal cycler blocks with heated lids
- Integral 'snap shut' caps on all tubes
- All are certified free from DNase, RNase and endotoxins



### Individual PCR Tubes - 0.2ml Flat



Product Details	0.2ml Thin-walled Polypropylene Tube with Integral Flat Cap	0.2ml Thin-walled Polypropylene Tube with Integral Flat Cap	0.2ml Thin-walled Polypropylene Tube with Integral Flat Cap
Colour	NATURAL	RED	YELLOW
CATALOGUE NUMBER	THER-02NF	THER-02RF	THER-02YF
Unit Qty	1000	1000	1000
Unit Price (£)	29.00	29.00	29.00

### Individual PCR Tubes - 0.2ml Domed



Product Details	0.2ml Thin-walled Polypropylene Tube with Integral Domed Cap	0.2ml Thin-walled Polypropylene Tube with Integral Domed Cap	0.2ml Thin-walled Polypropylene Tube with Integral Domed Cap
Colour	NATURAL	RED	YELLOW
CATALOGUE NUMBER	THER-02N	THER-02R	THER-02Y
Unit Qty	1000	1000	1000
Unit Price (£)	29.00	29.00	29.00

### Individual PCR Tubes - 0.5ml Flat



Product Details	0.5ml Thin-walled Polypropylene Tube with Integral Flat Cap	0.5ml Thin-walled Polypropylene Tube with Integral Flat Cap	0.5ml Thin-walled Polypropylene Tube with Integral Flat Cap
Colour	NATURAL	RED	YELLOW
CATALOGUE NUMBER	THER-05NX	THER-05R	THER-05Y
Unit Qty	1000	1000	1000
Unit Price (£)	28.00	28.00	28.00

## PCR Strip Tubes

- Strips compatible with all current 0.2ml 96-well cycler blocks with heated lids and all 8-channel pipettors
- 'Clapperboard'-style strip caps keep tubes and caps together
- Optically clear caps offer 75% higher light transmittance than standard strip caps making them ideal for lower throughput light detection assays such as RT-PCR
- All strip tubes and caps are certified free from DNase, RNase and endotoxins
- Integral caps eliminate the need for additional stock items



**qPCR COMPATIBLE**

<b>Product Details</b>	Row of TUBES only - NO CAPS Microstrip of 8 x 0.2ml Thin-walled Polypropylene Tubes NATURAL	Row of CAPS only - NO TUBES Strip of 8 x Domed Microcaps	Strip of 8 x Flat, Optically Clear Microcaps Recommend for use with RT-PCR, fluorescence and luminescence detection applications.
<b>CATALOGUE NUMBER</b>	THER-08N	THER-ST8	THER-ST8F
<b>Unit Qty</b>	2 x 125	2 x 125	2 x 125
<b>Unit Price (£)</b>	130.00	29.00	30.00



<b>Product Details</b>	Microstrip of 8 x 0.2ml Thin-walled Polypropylene Tubes with Domed 'Clapperboard' Style Hinged Caps NATURAL	Microstrip of 8 x 0.2ml Thin-walled Polypropylene Tubes with Integral Hinged, FLAT, Pierceable Caps NATURAL	Microstrip of 8 x 0.2ml Thin-walled Polypropylene Tubes with Integral Hinged, FLAT, Pierceable Caps RED
<b>CATALOGUE NUMBER</b>	THER-266	THER-A8N	THER-A8R
<b>Unit Qty</b>	2 x 125	2 x 125	2 x 125
<b>Unit Price (£)</b>	150.00	165.00	165.00



<b>Product Details</b>	Microstrip of 8 x 0.2ml Thin-walled Polypropylene Tubes with Integral Hinged, FLAT, Pierceable Caps YELLOW	Microstrip of 8 x 0.2ml Thin-walled Polypropylene Tubes with Integral Hinged, DOMED, Pierceable Caps NATURAL
<b>CATALOGUE NUMBER</b>	THER-A8Y	THER-A8ND
<b>Unit Qty</b>	2 x 125	2 x 125
<b>Unit Price (£)</b>	165.00	165.00



Close-up of integral hinged caps

# Multiwell Plates, PCR and Sealing

## PCR Plates



<b>Plate Details</b>	96-well 0.2ml Polypropylene Non-skirted Natural  Standard thermal cycling plate. Good compatibility with most cyclers.	96-well 0.2ml Polypropylene Skirted Natural  Standard thermal cycling plate. Good compatibility with most cyclers and sequencers.	96-well 0.2ml Polypropylene Half-skirted Natural  Standard thermal cycling plate. Developed to fit ABI sequencers.
<b>CATALOGUE NUMBER</b>	THER-FA1	THER-FA3L	THER-FA7
<b>Unit Qty</b>	25	50	50
<b>Unit Price (£)</b>	59.00	110.00	120.00
<b>Maximum Volume/Well</b>	340µl	240µl	340µl
<b>Working Volume/Well</b>	300µl	200µl	300µl
<b>Working Volume/Well With Sealing Mat</b>	220µl	140µl	240µl
<b>INSTRUMENT COMPATIBILITY</b>			
<b>Thermal Cyclers</b>	Applied Biosystems (not 9800) Biometra BioRad Eppendorf ThermoHybaid MJ Research MWG Stratagene Techne	Biometra (not Uno II) Eppendorf ThermoHybaid MJ Research MWG Stratagene Techne	Applied Biosystems (not 9800) Biometra BioRad Eppendorf ThermoHybaid MJ Research MWG Techne
<b>RT-PCR Thermal Cyclers</b>	Applied Biosystems Biorad	Biorad Eppendorf MJ Research Stratagene Mx3000 Techne	Applied Biosystems (not 7300 or 7500) Biorad
<b>Sequencers</b>	Applied Biosystems	Amersham MegaBACE 500 MJ Research Transgenomic	Applied Biosystems
<b>SEALING RECOMMENDATIONS (for Pricing see pages 63-65)</b>			
<b>Film</b>			
<b>PCR</b>	SEA-LPLT-PP2	SEA-LPLT-PP2	SEA-LPLT-PP2
<b>Q-PCR</b>	SEA-LPTS-RT2 SEA-LPTS-RT5	SEA-LPTS-RT2 SEA-LPTS-RT5	SEA-LPTS-RT2 SEA-LPTS-RT5
<b>Aluminium Foil</b>	SEA-LPLT-F96	SEA-LPLT-F96	SEA-LPLT-F96
<b>Silicone Mats</b>	MAT-PCR-96	MAT-PCR-96	MAT-PCR-96
<b>Other Information</b>	Other plate colours available at no additional cost: THER-FABL (blue) THER-FAGR (green) THER-FARD (red) THER-FAYL (yellow)	Other plate colours available, please enquire.	Other plate colours available, please enquire.

Plates are certified DNase, RNase and DNA free

# PCR Plates

			
96-well 0.2ml Polypropylene Half-skirted Natural Standard thermal cycling plate. Designed specifically for use with ABI cyclers and sequencers.	96-well 0.2ml Polypropylene Non-skirted Natural Elevated Wells Standard thermal cycling plate. Elevated wells help ensure uniform sealing across plate.	96-well 0.2ml Polypropylene Half-skirted Natural LOW PROFILE Wells Rapid thermal cycling plate. Designed specifically for use with ABI Fast and 9800 cycler.	384-well Polypropylene Skirted Natural Standard 384-well low volume thermal cycling plate.
THER-FA10	THER-FA8	THER-FA11	THER-384
50	50	25	50
125.00	149.00	80.00	155.00
335µl	340µl	240µl	55µl
300µl	300µl	200µl	50µl
260µl	250µl	140µl	40µl
Applied Biosystems (not 9800)	Applied Biosystems (not 9800) Biomtra BioRad Eppendorf ThermoHybaid MJ Research MWG Techne	Applied Biosystems 9800 Techne (not Touchgene X)	Applied Biosystems (not 9600 or 9800) Biomtra (not Uno or Tgradient) Eppendorf ThermoHybaid MJ Research MWG Techne (not Genius)
Applied Biosystem	Applied Biosystems (not 7300 or 7500) Biorad	Applied Biosystems 7300, 7500, 7900HT	Applied Biosystems (only 7900HT)
Applied Biosystems	Applied Biosystems		Applied Biosystems Amersham (only MegaBACE 4000)
SEA-LPLT-PP2	SEA-LPLT-PP2	SEA-LPLT-PP2	SEA-LPLT-PP2
SEA-LPTS-RT2 SEA-LPTS-RT5	SEA-LPTS-RT2 SEA-LPTS-RT5	SEA-LPTS-RT2 SEA-LPTS-RT5	SEA-LPTS-RT2 SEA-LPTS-RT5
SEA-LPLT-F96	SEA-LPLT-F96	SEA-LPLT-F96	SEA-LPLT-F96
MAT-PCR-96	MAT-PCR-96	MAT-PCR-96	MAT-PCR-384
	For MegaBACE, please enquire.	Available in Black or White, please enquire.	Other plate colours available, please enquire.

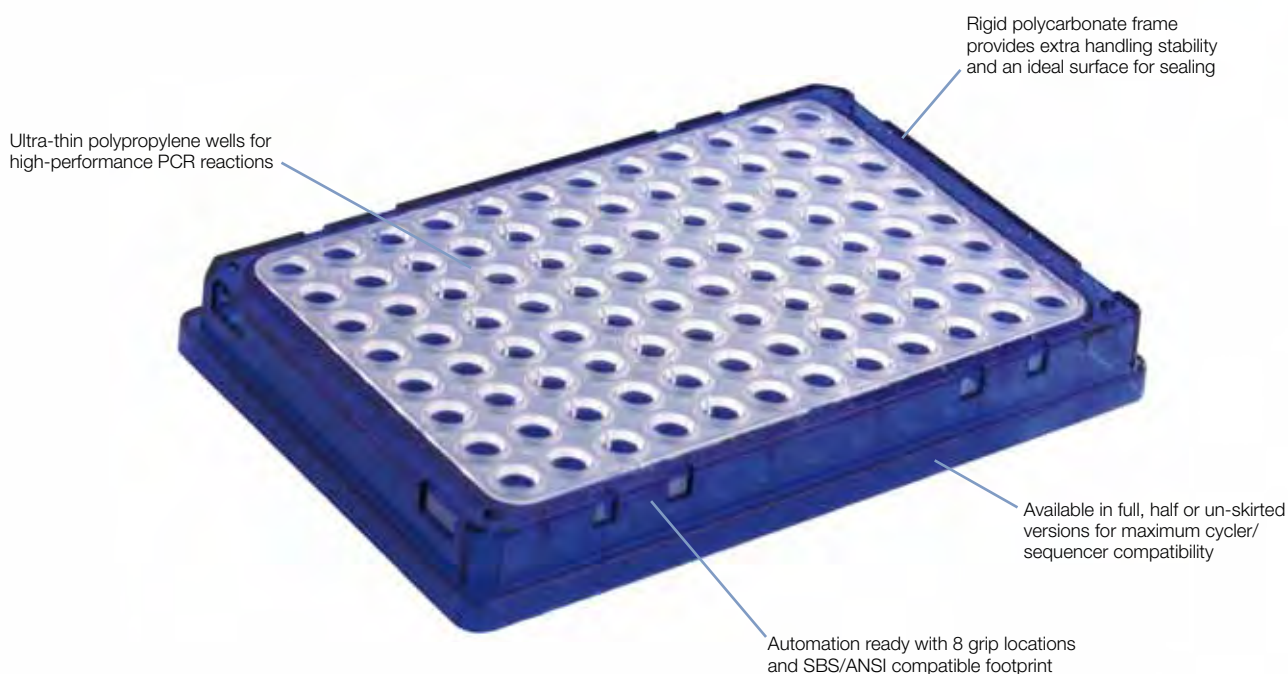


## PCR Plates

### riplate® PCR for Automated Handling

The riplate PCR plate has been manufactured using a two-part moulding process, offering the best performance for your PCR reactions. It has been specially designed with automated PCR protocols in mind, which is well suited for High Throughput Screening (HTS) but is equally advantageous in manual PCR applications.

- 10% thinner walls than conventional PCR plates
- Available in 150ul or 200ul well volumes
- Ultra-thin walls for *F A S T* PCR
- Certified RNase, Pyrogen and DNA Free
- White wells for RT-PCR and black wells for fluorescent analysis
- Reduced risk of warping due to the rigid polycarbonate (PC) frame
- Raised well rims for improved sealing and prevent cross contamination
- Stackable and colour coded



### riplate PCR Plates

Frame Colour		Natural	Blue	Green	White	Yellow
Well Colour		Natural	Natural	Natural	White	Black
<b>FULL-SKIRTED, 150µL</b>	<b>Cat No</b>	43001-0076	43001-0082	43001-0085	43001-0091	43001-0087
	<b>Unit Qty</b>	25	25	25	25	25
	<b>Unit Price (£)</b>	72.00	72.00	72.00	72.00	72.00
<b>HALF-SKIRTED, 200µL</b>	<b>Cat No</b>	43003-0000	43003-0001	43003-0004	43003-0005	-
	<b>Unit Qty</b>	25	25	25	25	-
	<b>Unit Price (£)</b>	72.00	72.00	72.00	72.00	-

Well Volume		150µL	200µL
<b>riplate PCR REFILL (without frame, natural only)</b>	<b>Cat No</b>	43001-0078	43003-0078
	<b>Unit Qty</b>	25	25
	<b>Unit Price (£)</b>	62.00	62.00



## Elkay Sealing Products

We have developed our range of sealing products which now offer the greatest possible number of choices to meet customer needs:

### Sealing Films




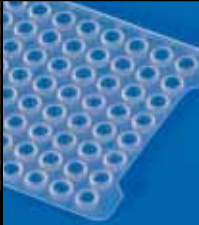



- For applications ranging from PCR and Real Time PCR to ELISA and Cell Culture.
- Bio-inert polyester based or polypropylene film provide compatibility with many multiwell plate assays.

	FILMS				
	General	PCR	RT-PCR	RT-PCR	RT-PCR
<b>Product Details</b>	Bio-inert Polyester Sealing Film with Perforated End Tabs.  Recommended for general applications such as short-term storage and containment of biohazards.	Sterile Bio-inert Polyester Sealing Film with Perforated End Tabs.  Recommended for general applications such as short-term storage and containment of biohazards.	Polypropylene Sealing Film with Perforated End Tabs.  Recommended for PCR Assays.	Optically Clear Polyester Sealing Film Medical Grade, Non-fluorescing Adhesive.  Recommended for RT-PCR Assays.	Optically Clear Polyester Sealing Film Medical Grade, Non-fluorescing Adhesive.  Recommended for RT-PCR Assays. Extra thickness helps eliminate wrinkling.
<b>CATALOGUE NUMBER</b>	SEA-LPLT-100	SEA-LPLT-STR	SEA-LPLT-PP2	SEA-LPTS-RT2	SEA-LPTS-RT5
<b>Unit Qty</b>	100	100	100	100	100
<b>Unit Price (£)</b>	26.50	42.00	39.00	85.00	89.00
<b>Temperature Range</b>	-40°C to +120°C	-40°C to +120°C	-40°C to +120°C	-40°C to +120°C	-40°C to +120°C
<b>Thickness</b>	50µm	50µm	50µm	50µm	125µm
<b>DNase/RNase Free</b>			✓	✓	✓
<b>COMPATIBILITY</b>					
<b>Pierceable</b>	✓	✓			
<b>PCR</b>			✓	✓	✓
<b>Q-PCR</b>				✓	✓
<b>Short-term Storage</b>	✓	✓	✓		
<b>Archiving</b>	✓	✓	✓		
<b>Autoclavable</b>					
<b>DMSO Resistant (testing suggested)</b>					
<b>ELISA</b>	✓	✓			
<b>Gas Exchange</b>					
<b>Light Sensitive Samples</b>					
<b>Ultracold Storage</b>					

**Free Samples  
of Film or Foil**

**Sealing Foil**

- Two new Aluminium foils ideal for use in ultracold storage that are DMSO resistant and pierceable and can withstand temperature ranges from -40 to +150°C.

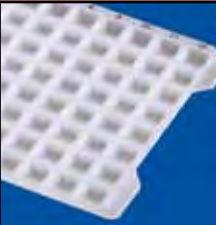
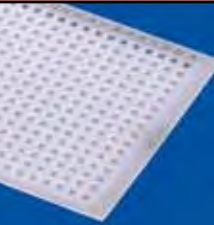


FILMS	FOIL		MATS			
Cell			Assay/Storage			
						
Breathable Hydrophobic Rayon Sealing Film Medical Grade Adhesive with End Tabs  Recommended for cell and tissue culture applications where gas exchange is necessary for cell or bacterial growth.	Aluminium Sealing Foil Partial-width End-Tab with No Perforations  Ideal for most PCR and storage applications.	Aluminium Sealing Foil Full-width End Tab with No Perforations  High performance low temperature adhesive at -80°C.	EVA Mat for Sealing 96-round Deepwell Microplates	Silicone Mat for Sealing 96-round Assay Plates	EVA Mat for Sealing 24-square Deepwell riplate®	EVA Mat for Sealing 48-square Deepwell riplate®
SEA-LPLT-GXS	SEA-LPLT-F96	SEA-LPFC-100	DT850277	MAT-WP-96RD	43001-0070	43001-0069
100	100	100	20	50	20	20
40.00	32.00	40.00	28.00	120.00	35.00	35.00
-20°C to +80°C	-40°C to +150°C	-80°C to +130°C	-85°C to +77°C	-80°C to +121°C	-85°C to +77°C	-85°C to +77°C
114µm	38µm	38µm				
	✓	✓		✓		
✓	✓	✓	✓		✓	✓
	✓					
			✓	✓	✓	✓
	✓			✓		
	✓	✓				
✓						
	✓	✓				
	✓	✓	✓	✓	✓	✓

**58-61,64 Storage Plates**

# Multiwell Plates, PCR and Sealing

## Sealing Mats

- Protection in applications involving aggressive solvents and ideal for long term storage.
- Silicone versions incorporate a 'scored' area for puncturing by a needle. Once punctured, they can reseal an airtight seal to the well.

MATS					LID
Assay/Storage			PCR		
					
EVA Mat for Sealing 96-square Deepwell Microplates	Silicone Mat for Sealing 96-square Deepwell Microplates	Silicone Mat for Sealing 384-square well Microplates	Silicone Sealing Mat for use with 96-well PCR Plates	Silicone Sealing Mat for use with 384-well PCR Plates	Clear, Rigid, Polystyrene Lid for Storage of 96. Use only for general storage
DT850317	MAT-WP-96SQ	MAT-WP-384-SQ	MAT-PCR-96	MAT-PCR-384	MICR-LID
100	50	50	50	50	100
125.00	120.00	120.00	120.00	120.00	46.00
-85°C to +77°C	-80°C to +121°C	-80°C to +121°C	-80°C to +121°C	-80°C to +121°C	
	✓		✓	✓	
✓	✓	✓	✓	✓	
			✓	✓	
✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	
					✓
✓	✓	✓	✓	✓	

## PCR & Sealing Accessories

### PCR Workstations

For use with Tubes and Strips.



- 2 versions available, 1 in polypropylene and 1 in polystyrene
- Alphanumeric numbering along the top edge
- One-way fitting lid slides off / on easily
- Can be used with ice
- Each rack can interconnect with a multichannel pipette reservoir

#### PCR Workstations

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
175-THER-002	Workstation, clear polystyrene, for PCR strips / tubes, lid	5	34.00
175-THER-004	Workstation, polypropylene, for PCR strips / tubes, lid	5	36.00

### Sealing Roller

Essential tool for sealing foils, films and mats. Assures a secure and uniform seal across the whole plate surface on 96, 384 and 1536 plates.

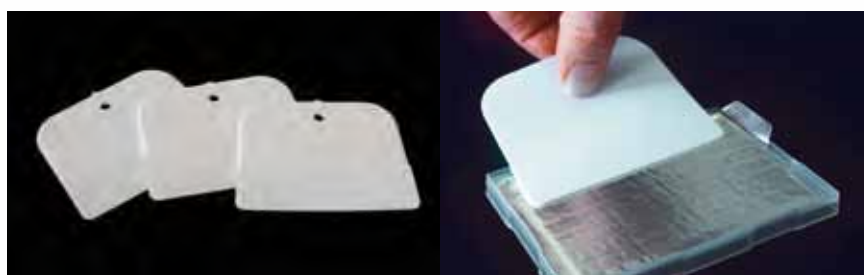


#### Sealing Roller

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
SEA-LROL-LER	Plate Roller	Each	21.00

### Elkay Sealing Paddle

Handy and cost effective alternative to the plate roller. Recommended for sealing film and foil on raised-rim plates as they fit within the width of the plate.



#### Elkay Sealing Paddle

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
SEA-LPAD-DLE	Sealing Paddle	pk5	21.00

# LAB *stuff*<sup>®</sup>

## Essential Lab Items

LeakBuster™ Specimen Containers	76
Specimen Containers	77
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## LeakBuster™ Specimen Containers - 40 to 120ml

A range of sample / specimen containers with screw caps from 40 to 120ml capacity.

LeakBuster™ containers are made from unbreakable, clarified Polypropylene material which has a high degree of chemical resistance.

- Medical grade, clarified Polypropylene, suitable for use with hazardous chemicals such as Formaldehyde.
- Graduation lines on 2 or 3 sides.
- 360° twist cap has a knurled edge for easy grip with or without gloves.
- Suitable for transportation.
- Securitab label on sterile versions (\*Formalin warning label supplied).
- Sterile versions are gamma irradiated with no discolouring.
- Freezable to -70°C.

Volume (ml)	40	60	60	60
Material	PP	PP	PP	PP
				
Sterility	Non-sterile	Non-sterile	Non-sterile	Sterile
Labelling	Label supplied*	None	Labelled	Labelled
Cap Colour	Yellow	Yellow	Yellow	Orange
CATALOGUE NUMBER	500-3000-040	500-3000-06N	500-3000-060	500-3000-06S
Unit Qty	600	500	500	500
Unit Price (£)	98.00	78.00	82.00	94.00

Volume (ml)	90	90	120	120
Material	PP	PP	PP	PP
				
<b>WIDE NECK</b>				
Sterility	Non-sterile	Sterile	Non-sterile	Sterile
Labelling	Labelled	Labelled	Labelled	Labelled
Cap Colour	Yellow	Orange	Yellow	Orange
CATALOGUE NUMBER	500-3000-090	500-3000-W9S	500-3000-120	500-3000-12S
Unit Qty	400	400	300	300
Unit Price (£)	75.00	99.00	72.00	90.00

## Specimen Containers - 120ml

Elkay's highly successful 120ml specimen container now comes with a 180 degree thread.

Ideal for all types of laboratory involved in sampling of liquid and solid specimens.

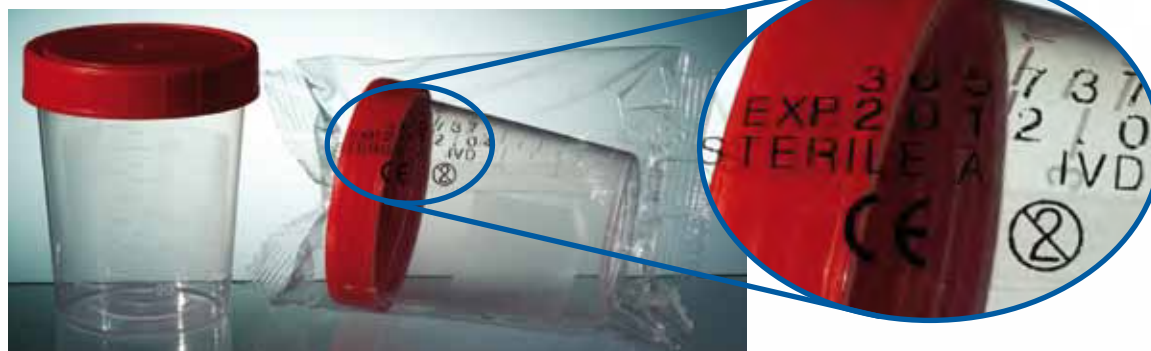
- Polypropylene Cup and Polythene Cap combination ensures a tight seal.
- Rigid container wall for a heavy duty performance.
- Moulded-in graduations at 10ml intervals.
- Cap has frosted top for easy identification and cup has moulded write-on area.
- Our standard non-sterile pack includes:
  - 500 cups and caps - supplied loose



### 120ml Specimen Containers, Non-sterile

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
500-1000-600	Specimen Container with White Screw Cap	500	62.00
500-1000-6CM	Specimen Container only	1000	84.00

## Sterile Specimen Containers - 120ml



Sterile pack printed with expiry date, CE mark and sterile warning

- Individually wrapped in sterile pouches - 300 per case.
- Sterility is guaranteed when peel-apart wrapper is unbroken. Ideal for operations requiring full sterility.
- Easy to read moulded graduations on two sides, in 10ml increments.
- Polypropylene 120ml cup with thicker, more shatter resistant walls.
- Screw cap has ribbed edge for extra grip for effective sealing and easy opening.
- Gamma irradiated.

### Specimen Containers, Sterile

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
17399	Specimen Container with Red Screw Cap, 120ml, Sterile	300	78.00

## Universal Laboratory Containers

### Universal Containers - 7 and 30ml



Universal Containers are manufactured from 100% virgin Polystyrene (PS) ensuring consistent and reliable performance.

- 30ml Universal Container has a free standing, conical bottom and is supplied sterile, with or without label.
- 360° screw cap ensures a leaktight seal.
- Conical base to collect particulate or cellular matter.
- Spoon version for faecal collection.
- New Polypropylene version for solvents and low temperature storage.
- PS versions are aseptically produced under cleanroom conditions (Class 7 ISO 14644)

#### Universal Containers

CATALOGUE NUMBER	VOLUME (ml)	DESCRIPTION	MATERIAL	STERILITY	LABELLING	UNIT QTY	UNIT PRICE (£)
500-1000-307	7	Bijou Container with cap	PS	Sterile	Unlabelled	700	70.00
500-1000-301	30	Container with cap	PS	Sterile	Unlabelled	400	60.00
500-1000-302	30	Container with cap	PS	Sterile	Labelled	400	63.00
500-1000-303	30	Container with cap and spoon	PS	Sterile	Labelled	400	90.00
500-1000-306	30	Container with cap	PP	Non-sterile	Unlabelled	500	72.00
500-1000-308	30	Container with cap	PP	Sterile	Unlabelled	500	75.00

### Laboratory Containers - 200 and 300ml (non-sterile)

Offered in a variety of shapes and lid styles aimed to suit every requirement in the laboratory. All containers are made of high quality virgin materials and are ideal for sampling, storage and transport of liquid and solid samples.

The cap on the 300ml container incorporates a single-handed lock for safe containment of samples.



Volume (ml)	200	200	300
Cap Style	Screw	Press-on	Hinged Press-on with lock
Material (container/cap)	PP/PE	PP/PE	PP
Dimensions Opening Dia. / Height* (mm)	74/70	62/88	75/88
Maximum Volume (ml)	257	203	296
Additional Information	Matt writing area on side. Cap has inner lip ensuring tight seal.	Moulded graduations every 25ml.	Matt writing area and unique pierceable septum on cap. Single-handed lock closure on side. Moulded graduations every 25ml.
CATALOGUE NUMBER	500-1000-700	500-4000-200	500-4000-300
Unit Qty	200	660	240
Unit Price (£)	69.00	115.00	90.00

\* Height with cap on





## Large Volume Laboratory Containers - 500-2000ml

Ideal for the safe storage of fluids, powders, solids, pathology specimens and hazardous samples.

### Specimen Containers with Press-on Lid (non-sterile)



- Made from High Density Polyethylene
- Tight-fitting lids prevent leaks and odours
- Withstands most laboratory chemicals including Formaldehyde
- Temperature resistant up to 100°C

#### Specimen Containers with Press-on Lid

CATALOGUE NUMBER	VOLUME (ml)	DESCRIPTION	MATERIAL	DIMENSIONS OPENING / HEIGHT (mm)		UNIT QTY	UNIT PRICE (£)
500-4000-016	500	Container with cap	HDPE	111	75	100	55.00
500-4000-032	1000	Container with cap	HDPE	111	140	100	75.00

### Specimen Container with Tamperproof Lid (non-sterile)

Includes all of the benefits of the standard containers above but also incorporates a convenient plastic carry handle and the added safeguard of a tamperproof seal.

Once the tamperproof lid has been closed onto the container, a tab must be broken and removed before the lid can be re-opened. Ideal in situations where high sample security is required.



#### Specimen Containers with Press-on Lid

CATALOGUE NUMBER	VOLUME (ml)	DESCRIPTION	MATERIAL	DIMENSIONS OPENING / HEIGHT (mm)		UNIT QTY	UNIT PRICE (£)
500-4000-064	2000	Container with cap and handle	HDPE	150	168	2x25	90.00

Laboratory tape and marker pens

82



## Weigh Boats and Elkay Reagent Basins

### LabStuff® Weigh Boats - Anti-static

Plastic disposable weigh boats in Square and Diamond shapes.

- Non-wettable, high impact polystyrene for full delivery of liquid samples.
- Smooth, flat bottom for improved stability.
- Antistatic properties as standard on all weigh boats make these ideal for use with fine powders.
- Temperature resistant to 93°C.
- Can be used with microwave moisture analysers.
- Strong, flexible material for controlled pouring of liquids and solids.



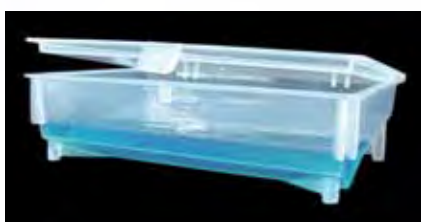
#### LabStuff® Weigh Boats, square

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
175-4444-007	Micro, 44 x 44mm, 7ml capacity, white	1000	24.00
175-8080-100	Regular, 80 x 80mm, 100ml capacity, white	1000	40.00
175-1414-250	Large, 140 x 140mm, 250ml capacity, white	1000	80.00

#### LabStuff® Weigh Boats, diamond

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
175-5535-005	Small, 55 x 35mm, 5ml capacity, white	1000	26.00
175-8060-030	Medium, 80 x 60mm, 30ml capacity, white	500	18.00
175-1210-100	Large, 120 x 100mm, 100ml capacity, white	250	21.00

### Elkay Large Capacity Reagent Basins



- 175ml reservoir requires fewer refills.
- Moulded-in graduations provide volume estimation at a glance.
- Hinged lid protects liquid from contaminants, prevents spills, and allows basins to be used as safe, secure storage containers.



#### Elkay Large Capacity Reagent Basins

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
175-RBAS-000	Reagent basin with lid, natural	100	60.00
175-RBAS-010	Reagent basin with lid, natural	10	14.00

## Biohazard Bags

For safe collecting, autoclaving and disposing of contaminated laboratory consumables.

### Secura'T™ - Clear, High-temperature Biohazard Bags



- Made from tear resistant Polypropylene (at 480gm) meeting US Impact Strength requirements.
- Autoclavable to 135°C (275°F).
- Closure ties provided for sealing and proper venting of bags during sterilisation.
- Temperature indicator patch reads: 'Contents Have Been AUTOCLAVED' after proper autoclaving has been achieved.
- Biohazard warning in English, French, Italian and Spanish
- Complies with Standards and Regulations: ASTM D1709-03a, ASTM D1922-03a and DOT 49 CFR 173.197(e) (1) (i).

#### High Temperature Biohazard Bags

CATALOGUE NUMBER	SIZE (mm)	CAPACITY (litres)	UNIT QTY	UNIT PRICE (£)
500-1224-CLR	305 x 610	16.2	200	52.00
500-1924-CLR	483 x 610	32.0	200	79.00
500-2430-CLR	610 x 762	73.2	200	99.00

### Elkay Safe 'n Ezee™ Biohazard Bags



- Made from RED high molecular weight, high density polyethylene. Safe 'n Ezee™ biohazard bags are tear-proof and clearly labelled with the standard OSHA symbol.
- Autoclavable to 121°C (250°F).
- Closure ties provided for sealing and proper venting of bags during sterilisation.
- Version 500-1826-000 ideal for use as a de-tipping wastebag on automated workstations.
- Biohazard warning in English, French and Spanish.

#### Biohazard Bags

CATALOGUE NUMBER	SIZE (mm)	CAPACITY (litres)	UNIT QTY	UNIT PRICE (£)
500-1220-000	305 x 509	12.7	100	27.00
500-1826-000	457 x 660	37.3	100	37.00
500-2430-000	610 x 762	73.2	100	50.00



## Marker Pen and Laboratory Tape

### Marker Pen

- Write on glass, plastic, metal and porcelain.
- Can be used on wet and cold surfaces.



LabStuff® Marker Pen

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
011-0415-010	Marker pen, black	10	15.00

### Laboratory Tape

LabStuff® Laboratory Tape

Width (mm)	12.7	12.7	19	19	
Length (m)	12	55	12	55	
<b>WHITE</b>	Cat No	0505-000	5060-000	0755-000	7560-000
	Unit Qty	Roll	Roll	Roll	Roll
	Unit Price (£)	4.40	6.60	5.50	7.70
<b>RED</b>	Cat No	0505-001	5060-001	0755-001	7560-001
	Unit Qty	Roll	Roll	Roll	Roll
	Unit Price (£)	4.40	6.60	5.50	7.70
<b>BLUE</b>	Cat No	0505-002	5060-002	0755-002	7560-002
	Unit Qty	Roll	Roll	Roll	Roll
	Unit Price (£)	4.40	6.60	5.50	7.70
<b>GREEN</b>	Cat No	0505-003	5060-003	0755-003	7560-003
	Unit Qty	Roll	Roll	Roll	Roll
	Unit Price (£)	4.40	6.60	5.50	7.70
<b>YELLOW</b>	Cat No	0505-004	5060-004	0755-004	7560-004
	Unit Qty	Roll	Roll	Roll	Roll
	Unit Price (£)	4.40	6.60	5.50	7.70
<b>ORANGE</b>	Cat No	0505-005	5060-005	0755-005	7560-005
	Unit Qty	Roll	Roll	Roll	Roll
	Unit Price (£)	4.40	6.60	5.50	7.70

### Autoclave Tape



LabStuff® Autoclave Tape

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
175-ST19-048	19mm x 50M, brown indicator	1 roll	4.25
175-ST25-036	25mm x 50M, brown indicator	1 roll	5.00

## Elkay Life Science Filtration

### Membranes Overview



A new line of precision made syringe filters offering greater performance, convenience and quality at an affordable price.

The standard range includes sterile and non-sterile filters with five types of membrane material; PES, MCE, PVDF, PTFE and Nylon.

- Sterile filters with a pore size of 0.22µm are used to sterilise biological solutions or gases. The 0.45µm size are used for clarification.
- Non-sterile, low extractable filters are used primarily for sample preparation. In particular, HPLC, as they feature solvent resistant housings and a choice of membranes.

#### Membrane Materials

- **PES**  
Polyethersulfone:  
Developed for high throughput, low-protein binding sterile filtration.
- **PVDF**  
Polyvinylidene fluoride:  
Hydrophilic, lowest protein binding on the market (99% recovery).
- **PTFE**  
Polytetrafluorethylene:  
Low binding, removes particles from aqueous and mild organic solvents for cleaner IC spectra.
- **MCE**  
Mixed Cellulose Ester:  
Specifically binds trace proteins, uses include sterilisation of water, buffers and salt solutions – historically, most widely used membrane.

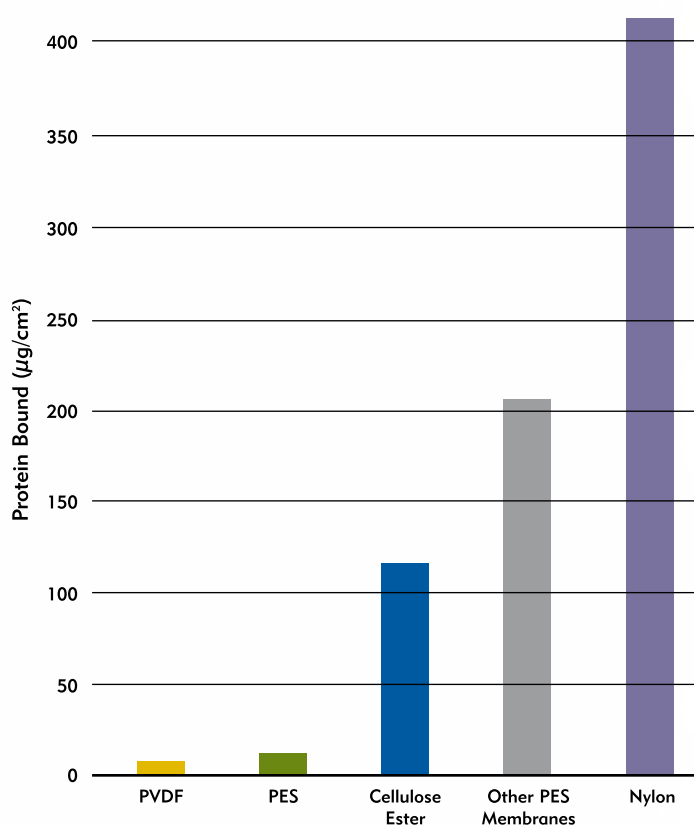


Fig.1 : Chart showing protein binding characteristics of various filtration membranes.

## Ezee™ Filters - 33mm Sterile

Syringe driven filter devices for sterilising and clarifying up to 200ml volumes.



### 33mm Pre-sterilised Filters for Life Science Filtration

Membrane Type	PES 0.22µm	PVDF 0.22µm	MCE 0.22µm
Maximum Process Volume (ml)	200	100	100
Sterilisation Method (& Housing Material)	Gamma irradiation	Gamma irradiation	Ethylene oxide
Membrane Features	Fast flow & low binding	Lowest protein binding	High flow sterilisation, adsorbs trace protein contamination
Product Use (Recommended)	Sterilise tissue culture media and additives, protein solutions, virus suspensions, DNA and other aqueous solutions	Sterilisation of aqueous solutions and solutions containing proteins	General purpose sterilisation of water, buffers and other aqueous solutions
CATALOGUE NUMBER	E25-PS22-50S	E25-PV22-50S	E25-CE22-50S
Unit Qty	50 single wrap, sterile	50 single wrap, sterile	50 single wrap, sterile
Unit Price (£)	48.00	50.00	50.00

Membrane Type	PES 0.45µm	PVDF 0.45µm	MCE 0.45µm
Maximum Process Volume (ml)	200	100	100
Sterilisation Method (& Housing Material)	Gamma irradiation	Gamma irradiation	Ethylene oxide
Membrane Features	Fast flow & low binding	Lowest protein binding	High flow sterilisation, adsorbs trace protein contamination
Product Use (Recommended)	Clarification of tissue culture media and additives, protein solutions, virus suspensions, DNA, and other aqueous solutions	Clarification of aqueous solutions and solutions containing proteins	General purpose clarification of water, buffers and other aqueous solutions
CATALOGUE NUMBER	E25-PS45-50S	E25-PV45-50S	E25-CE45-50S
Unit Qty	50 single wrap, sterile	50 single wrap, sterile	50 single wrap, sterile
Unit Price (£)	48.00	50.00	50.00

\* Please note all filter housing bands are supplied in grey.

#### TECHNICAL SPECIFICATIONS

##### 33mm Syringe Filter

Process Volume: 100ml  
 Filtration Area: 4.5cm<sup>2</sup>  
 Hold-up Volume: <100µl  
 Housing Material: Modified Acrylic  
 Maximum Pressure : 145psi (10bar)  
 Maximum Temperature: 45°C  
 Inlet: Female Luer-Lok®  
 Outlet: Male Luer slip

#### WE RECOMMEND...

For most routine applications, the PES membrane will meet your needs. If you specifically need a low protein binding membrane, we would suggest PVDF.

## Ezee™ Filters - 25 & 13mm Non-sterile

Syringe driven filter units for fine particle removal and clarifying samples up to 100ml volumes.



### 25mm Non-sterile Syringe Filters

Membrane Type	PTFE 0.22µm	PTFE 0.45µm	PVDF 0.45µm
Membrane Features	Hydrophobic for fine particle removal from organic solvents	Hydrophobic clarification of organic solvents	Low protein binding, for clarification of aqueous and mild organic solutions
Product Use (Recommended)	HPLC sample filtration	HPLC sample filtration	HPLC sample filtration
CATALOGUE NUMBER	E25-PT22-100	E25-PT45-100	E25-PV45-100
Unit Qty	100, non-sterile	100, non-sterile	100, non-sterile
Unit Price (£)	102.00	102.00	98.00

### 13mm Non-sterile Syringe Filters

Membrane Type	PTFE 0.22µm	PVDF 0.22µm	PTFE 0.45µm	PVDF 0.45µm
Membrane Features	Hydrophobic for fine particle removal from organic solvents	Low protein binding, for fine particle removal of aqueous and mild organic solutions	Hydrophobic clarification of organic solvents	Low protein binding, for clarification of aqueous and mild organic solutions
Product Use (Recommended)	HPLC sample filtration	HPLC sample filtration	HPLC sample filtration	HPLC sample filtration
CATALOGUE NUMBER	E13-PT22-100	E13-PV22-100	E13-PT45-100	E13-PV45-100
Unit Qty	100, non-sterile	100, non-sterile	100, non-sterile	100, non-sterile
Unit Price (£)	118.00	100.00	118.00	100.00

#### TECHNICAL SPECIFICATIONS

##### 25mm Syringe Filter

Process Volume: 100ml  
 Filtration Area: 3.9cm<sup>2</sup>  
 Hold-up Volume: <100µl  
 Housing Material: HDPE  
 Maximum Pressure : 100psi (6.9bar)  
 Maximum Temperature: 45°C  
 Inlet: Female Luer-Lok®  
 Outlet: Male Luer slip

#### TECHNICAL SPECIFICATIONS

##### 13mm Syringe Filter

Process Volume: 10ml  
 Filtration Area: 0.65cm<sup>2</sup>  
 Hold-up Volume: <25µl (after purge)  
 Housing Material: HDPE  
 Maximum Pressure : 100psi (6.9bar)  
 Maximum Temperature: 45°C  
 Inlet: Female Luer-Lok®  
 Outlet: Male Luer slip

## Stericup™

For sterilisation and clarification of volumes from 150ml to 1L



The complete unit has been designed to be stable on the bench and is easy to grip which is ideal when used in a laminar flow cabinet.

In addition, the base of the receiver flask is slightly recessed to allow capped flasks to be stacked during storage.

We offer Stericup in two membrane types, Millipore Express™ PLUS (PES) membrane and Durapore (PVDF).

- The PES material has been developed for high throughput, low-protein binding sterile filtration of aqueous solutions.
- PVDF membrane has very low protein binding and is used for clarification of aqueous solutions.

### Stericup™ Filter Units

CATALOGUE NUMBER	DESCRIPTION	CUP VOLUME (ml)	PORE SIZE µm	MEMBRANE	UNIT QTY	UNIT PRICE (£)
SCGPU01RE	Stericup-GP, 150ml bottle/cap, sterile	150	0.22	PES	12	59.00
SCGPU02RE	Stericup-GP, 250ml bottle/cap, sterile	250	0.22	PES	12	69.00
SCGPU05RE	Stericup-GP, 500ml bottle/cap, sterile	500	0.22	PES	12	109.00
SCGPU10RE	Stericup-GP, 1 Litre bottle/cap, sterile	500	0.22	PES	12	150.00
SCGPU11RE	Stericup-GP, 1 Litre bottle/cap, sterile	1000	0.22	PES	12	158.00
SCHVU01RE	Stericup-HV, 150ml bottle/cap, sterile	150	0.45	PVDF	12	59.00
SCHVU02RE	Stericup-HV, 250ml bottle/cap, sterile	250	0.45	PVDF	12	71.00
SCHVU05RE	Stericup-HV, 500ml bottle/cap, sterile	500	0.45	PVDF	12	110.00
SCHVU11RE	Stericup-HV, 1 Litre bottle/cap, sterile	1000	0.45	PVDF	12	159.00

#### TECHNICAL SPECIFICATIONS Stericup™

Process Volume: 150-1000ml  
 Filtration Area: 40cm<sup>2</sup>  
 Hold-up Volume: <3ml  
 Housing Material: Polystyrene  
 Maximum Temperature: 45°C  
 Sterilisation Method: Gamma irradiation



# LAB *stuff*<sup>®</sup>

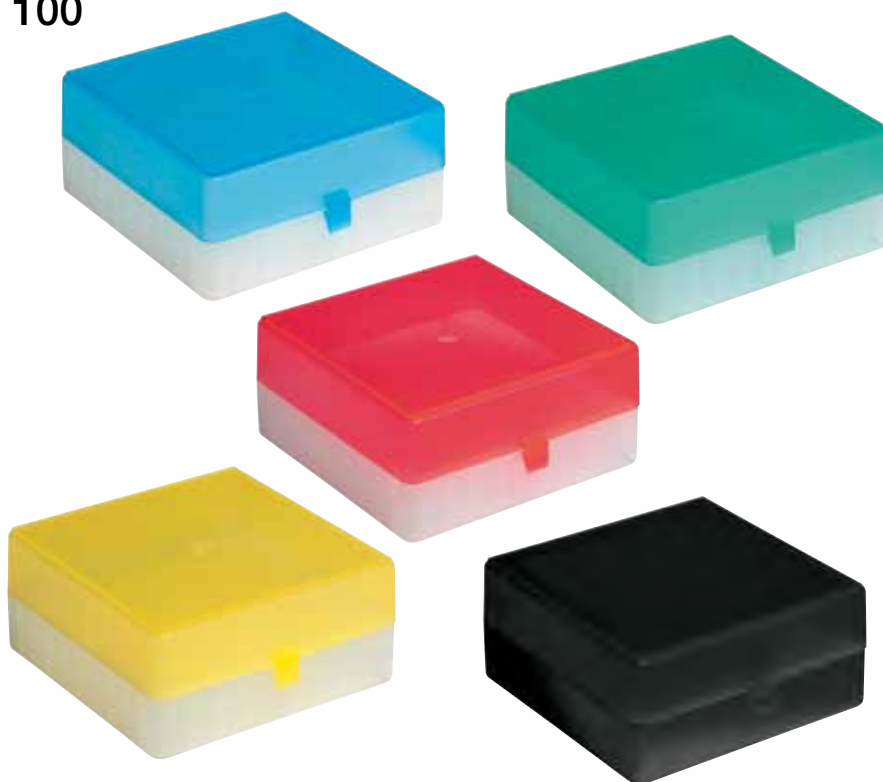
## Storage

Storage Box 100 & 200	88
MULTI-600 Plastic Tube Racks	89
Stainless Steel Racking	90-91
Stainless Steel Test Tube Racks	92



## LabStuff® Storage Box 100

- Box dimensions (includes hinges and front lock): 60 x 138 x 154mm (H x W x D)
- Can accommodate microtubes up to 53.5mm in height.
- 6 colours available - natural, red, green, blue, yellow and black.
- Made from virgin polypropylene, which is autoclavable and translucent, for easy visibility.
- Suitable for 0.5 to 2.0ml volume, capped microtubes and cryovials.
- Grooved top lid for easy stacking.
- Temperature range from -80°C to 135°C.



### LabStuff® Storage Box 100

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
BOX-CRYO-00N	Storage Box 100, natural	5	30.00
BOX-CRYO-00R	Storage Box 100, red	5	30.00
BOX-CRYO-00B	Storage Box 100, blue	5	30.00
BOX-CRYO-00G	Storage Box 100, green	5	30.00
BOX-CRYO-00Y	Storage Box 100, yellow	5	30.00
BOX-CRYO-0BK	Storage Box 100, black	5	30.00

## LabStuff® Storage Box 200



- Box dimensions (includes hinges and front lock): 152 x 275 x 62mm
- Polypropylene base and hinged lid.
- Large capacity, 200 place storage box.
- Alphanumeric grid moulded into lid.
- Stackable, in combination with both 100 and 200 place box.
- Autoclavable at 121°C.

### LabStuff® Storage Box 200

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
BOX-CRYO-200	Storage Box 200, natural only	5	60.00

Stainless Steel  
Freezer Racking

90-91

## LabStuff® MULTI-600 Tube Racks



**10% discount if you buy 5+ racks**

An attractive range of autoclavable tube racks available in 3 versions.

MULTI-600 is designed to accommodate a full range of laboratory test and centrifuge tubes upto 30mm in diameter.

- Made from highly resistant acetal polymer, which will not stain or shatter in contact with most laboratory chemicals.
- Lightweight, compact and stackable
- A 3-tier design to facilitate the stability and insertion of taller tubes.
- Ideal for Test Tubes, Universals, 15 and 50ml Centrifuge tubes – all in one system.

### Up to 13mm Diameter Tubes

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
175-M600-13B	MULTI-600 Tube Rack, 13mm, 84Pos, Blue	each	14.00
175-M600-13G	MULTI-600 Tube Rack, 13mm, 84Pos, Green	each	14.00
175-M600-13Y	MULTI-600 Tube Rack, 13mm, 84Pos, Yellow	each	14.00

### Up to 16mm Diameter Tubes

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
175-M600-16B	MULTI-600 Tube Rack, 16mm, 60Pos, Blue	each	14.00
175-M600-16G	MULTI-600 Tube Rack, 16mm, 60Pos, Green	each	14.00
175-M600-16Y	MULTI-600 Tube Rack, 16mm, 60Pos, Yellow	each	14.00

### Up to 30mm Diameter Tubes

CATALOGUE NUMBER	DESCRIPTION	UNIT QTY	UNIT PRICE (£)
175-M600-30B	MULTI-600 Tube Rack, 30mm, 18Pos, Blue	each	14.00
175-M600-30G	MULTI-600 Tube Rack, 30mm, 18Pos, Green	each	14.00
175-M600-30Y	MULTI-600 Tube Rack, 30mm, 18Pos, Yellow	each	14.00



## LabStuff® SSR - Stainless Steel Racking

Freezer storage solutions

### Upright Freezer Racking with Dividers

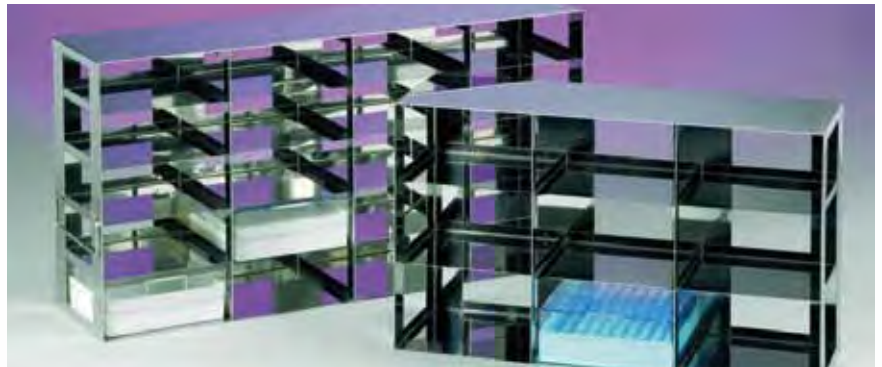
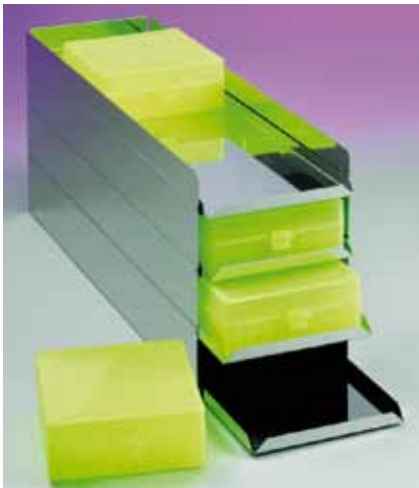


High-density polypropylene dividers (combs) are used to store virtually any size tube or bottle in the most cost effective and flexible way. Standard division sizes range from 10.5mm to 45mm. Combs are available in 8 different colours to help identify samples.

Trays are offered in either our standard premium grade with welded corners (shown above on left) or cost-saving economy edges (shown on right).

Racks can be 2 to 8 trays high and are available in a variety of sizes to suit most freezers.

### Upright Freezer Racking for Boxes



No matter the size box you want to use, we can store it. You can choose from front access with pull-out trays (shown on left) in a variety of formats or a racked, side access system (on right).

### Upright Freezer Racking for Microtitre Plates



Open or lidded, shallow or deep, all plates can be accommodated in a made-to-measure rack. Racks can store plates individually or in stacks and can be open fronted, with front retaining rods (to ensure plates remain secure in the rack) or with removable front covers.

## LabStuff® SSR - Stainless Steel Racking

Freezer storage solutions

### Freezer Bins for General Storage



When you need to store a wide variety of samples, Elkay stainless steel bins can accommodate virtually anything. With several lid options like drop on, hinged or lockable and the added choice of removable or fixed stainless steel dividers, we will help you make the most of your available space.

**Silicone-sealed autoclave bins are also available.**

### Chest Freezer Racking with Dividers

High-density polypropylene dividers (combs) are used to store virtually any size tube or bottle in the most cost effective and flexible way. Combs are available in 8 different colours to help identify samples.

Trays are offered in either our standard premium grade finish with welded corners or cost-saving economy edges (see images at top of page 90). Deep trays are also available for taller tubes.

Front retaining rods are a useful option to ensure trays do not open unintentionally.

Racking is available in full or half height.

### Chest Freezer Racking for Boxes and Microtitre Plates



Any size box is catered for as each rack is made-to-measure. Microtitre plates can be stored individually or in stacks.

Racks are available in full or half height, and you also have the choice of: solid or open sides; individually wired compartments or shelves with lipped fronts and front retaining rods to ensure boxes/plates remain secure in the racks.

### Petri Dish Racks

Available with open or solid backs, for large or small dishes. Convenient label card holders optimal on the front for easy recognition of samples.



Each of our sales representatives are fully trained in measuring the storage space you have available and can discuss with you all of the options relevant to your needs. Please contact us to arrange a free consultation.

## LabStuff® Stainless Steel Test Tube Racks

### Freezer storage solutions

Elkay stainless steel test tube racks are ideal when a robust, quality solution for test tube storage is needed, either for use on top of the bench or in a freezer. All racks are autoclavable and are available with two levels, making them ideal for use with round-bottomed tubes and for taller tubes requiring additional support.

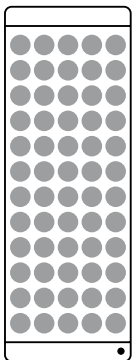
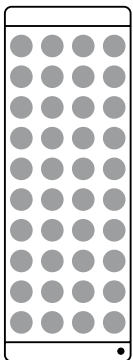
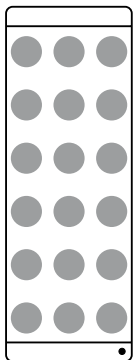
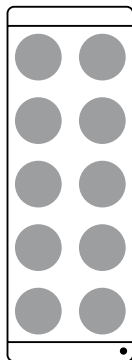
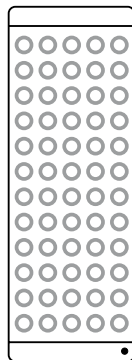


Corners are spot-welded and are safe-edged

All racks are constructed from mirror finish, durable, premium-grade stainless steel



Rigid, sturdy construction

Hole Diameter (mm)	14.0	18.0	25.4	30.0	12.0/7.0
Number of Holes	12x5	10x4	6x3	5x2	12x5
					
Dimensions HxWxD (mm)	268x95x65	268x95x65	268x95x65	268x95x65	268x95x35
Compatible Tube Diameter (mm)	12 & 13	16 & 17	24.5 body 31.0 cap	29.5 body 34.0 cap	1.5ml microcentrifuge
Compatible Tube Height (mm)	75 & 100	100	95	115	n/a
CATALOGUE NUMBER	SSTT-1460	SSTT-1840	SSTT-2518	SSTT-3010	SSTT-1260
Unit Qty	each	each	each	each	each
Unit Price (£)	29.00	29.00	29.00	29.00	29.00

**Uses include:**  
Low-temperature storage, sample preparation, and water baths

Bespoke design service is available to accommodate specific tube or bath sizes

# Peristaltic Pump Tubing

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## Types of Materials

Our Elkay™ microbore tubing for peristaltic pumps has a reputation for reliable performance.

Tubing has been designed to fit many peristaltic pumps and instrumentation which include:

Pumps: Ismatec™, Gilson®, Watson-Marlow® and Skalar to name a few.

Instruments: Perkin Elmer™, Thermo® ICP instrumentation, flame photometers and many others.

Our range of pump tubing is ideal for research and routine use. A range of raw materials are listed which offer varying degrees of chemical resistance. To check the suitability of the material, a useful tubing chemical compatibility chart is available on page 100 or visit our website: [www.elkay-uk.co.uk](http://www.elkay-uk.co.uk).

Immersion Test: We recommend you conduct an immersion test before buying your tubing for critical applications. Place a short length of tubing in a closed pot of the liquid for 48 hours. Examine for swelling, brittleness, signs of attack and other deterioration.

### 1. Accu-rated™ PVC

Flow-rated, transparent, general laboratory use, non-toxic, non-ageing, good resistance to most routine chemicals.

### 2. Standard PVC Long Lengths

As Accu-rated™ but not flow-rated.

### 3. Solvent Flexible PVC

PVC but special formulation for routine solvent use, yellow colouration.

### 4. Acid Flexible

Vulcanised rubber compound, used with strong acids, alkalis and solvents, high operating temperatures.

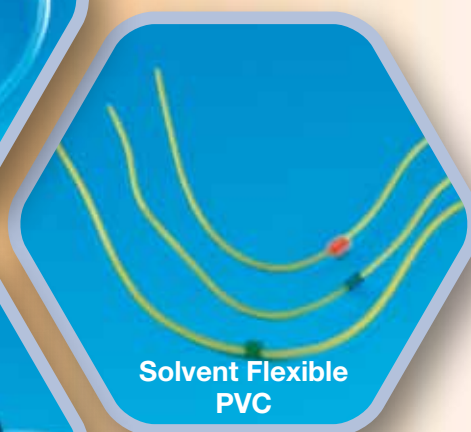
### 5. Silicone Rubber

Free of additives and plasticisers, will not age or deteriorate over time, translucent, broad compatibility with acids, alkalis and solvents.

### 6. Mediprene™

Thermoplastic, medical grade rubber, exceptional resistance to UV light, strong chemicals, high temperatures and less gas permeable than silicone.

**NOTE: The descriptions and illustrations contained in this section are intended to present a general idea of the products available.**

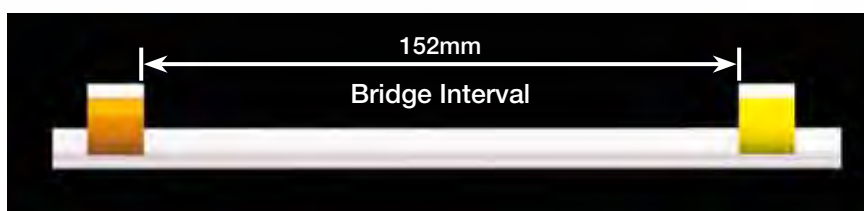




## Accu-rated™ PVC Pump Tubing - 0549-Series

Transparent, flow-rated tubing for general laboratory use.

- Non-toxic
- Non-ageing
- High resistance to most routine chemicals (particularly milk acids, alkalis and salt solutions)
- Provides consistent and accurate flow rates
- Accu-rated™ is a specially formulated, medical grade PVC that has been heat treated for increased life.
- Durometer of 60 - Bends easily, grips connectors firmly and simplifies pump setups



### Accu-rated™ PVC Pump Tubing

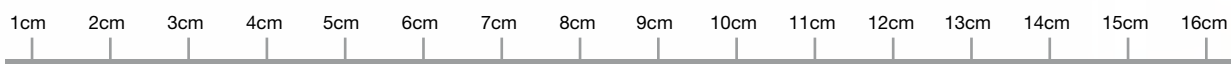
CATALOGUE NUMBER	BRIDGE COLOURS	NOMINAL OUTER DIAMETER mm	FLOW cc / min	UNIT QTY	UNIT PRICE (£)
116-0549-020	Orange / Red	2.019	0.030	12	21.00
116-0549-030	Orange / Blue	2.083	0.050	12	21.00
116-0549-040	Orange / Green	2.210	0.100	12	21.00
116-0549-050	Orange / Yellow	2.337	0.160	12	21.00
116-0549-060	Orange / White	2.464	0.230	12	21.00
116-0549-070	Black / Black	2.438	0.320	12	21.00
116-0549-080	Orange / Orange	2.565	0.420	12	21.00
116-0549-090	White / White	2.692	0.600	12	21.00
116-0549-100	Red / Red	2.819	0.800	12	21.00
116-0549-110	Grey / Grey	2.972	1.000	12	21.00
116-0549-120	Yellow / Yellow	3.099	1.200	12	21.00
116-0549-130	Blue / Blue	3.327	1.600	12	21.00
116-0549-140	Green / Green	3.531	2.000	12	21.00
116-0549-150	Purple / Purple	3.734	2.500	12	21.00
116-0549-160	Purple / Black	3.962	2.900	12	21.00
116-0549-170	Purple / Orange	4.216	3.400	12	21.00
116-0549-180	Purple / White	4.470	3.900	12	21.00
116-0549-190	Blue / Yellow	3.200	1.400	12	21.00



#### Technical Specification

Material	Medical grade PVC
Durometer	60 Shore A
Colour	Clear
Maximum Operating Temperature	94°C (165°F)

#### Bridge Distance Checker (cm)



## PVC Pump Tubing - 178-Series

- Same properties as Accu-rated™ PVC tubing, but 178-series can be used with Skalar SAN and Bran & Lubbe systems.



### PVC Pump Tubing, 178-Series

CATALOGUE NUMBER	BRIDGE COLOURS	LENGTH mm	FLOW cc / min	UNIT QTY	UNIT PRICE (£)
178-3748-030	Orange / Blue	660	0.037	12	23.00
178-3748-040	Orange / Green	660	0.074	12	23.00
178-3748-050	Orange / Yellow	660	0.118	12	23.00
178-3748-060	Orange / White	660	0.166	12	23.00
178-3748-070	Black / Black	660	0.226	12	23.00
178-3748-080	Orange / Orange	406	0.287	12	23.00
178-3748-090	White / White	406	0.385	12	23.00
178-3748-100	Red / Red	406	0.482	12	23.00
178-3748-110	Grey / Grey	406	0.568	12	23.00
178-3748-120	Yellow / Yellow	406	0.642	12	23.00
178-3748-140	Green / Green	406	0.947	12	23.00

#### Technical Specification

Material	Medical grade PVC
Durometer	60 Shore A
Colour	Clear
Maximum Operating Temperature	94°C (165°F)

## Standard PVC Pump Tubing in 15m lengths



- Transparent, allows for convenient flow monitoring.
- High resistance to most routine chemicals (particularly milk acids, alkalis and salt solutions).
- Durometer of 60 - Bends easily, grips connectors firmly and simplifies pump setups.

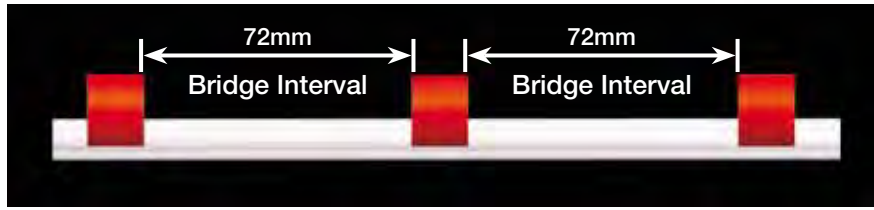
### Standard PVC Pump Tubing

CATALOGUE NUMBER	BRIDGE COLOURS	INNER DIAMETER mm	OUTER DIAMETER mm	UNIT QTY	UNIT PRICE (£)
116-0536-030	none	0.254	2.083	15m	28.50
116-0536-040	none	0.381	2.210	15m	28.50
116-0536-050	none	0.508	2.337	15m	28.50
116-0536-060	none	0.635	2.464	15m	28.50
116-0536-070	none	0.762	2.438	15m	28.50
116-0536-080	none	0.889	2.565	15m	28.50
116-0536-090	none	1.016	2.692	15m	28.50
116-0536-100	none	1.143	2.819	15m	28.50
116-0536-110	none	1.295	2.972	15m	28.50
116-0536-120	none	1.422	3.099	15m	28.50
116-0536-130	none	1.651	3.327	15m	28.50
116-0536-140	none	1.854	3.531	15m	28.50
116-0536-150	none	2.057	3.734	15m	28.50
116-0536-160	none	2.286	3.962	15m	28.50
116-0536-170	none	2.540	4.216	15m	28.50
116-0536-180	none	2.794	4.470	15m	28.50
116-0536-190	none	1.524	3.200	15m	28.50
116-0536-200	none	3.175	4.851	15m	28.50

## 3 Bridge PVC Pump Tubing - 'C' Series

3 bridge pump tubing developed for more specialised pump systems such as Induction Coupled Plasma (ICP).

- Used on various peristaltic pumps including Ismatec®.
- Bridge intervals are 72mm.

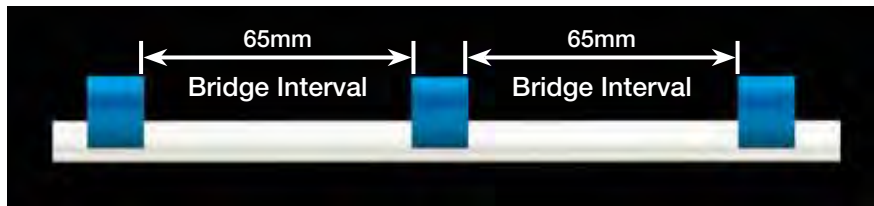


### 3 Bridge PVC Pump Tubing - 'C' Series

CATALOGUE NUMBER	BRIDGE COLOURS	NOMINAL INNER DIAMETER mm	UNIT QTY	UNIT PRICE (£)
116-0549-C55	Orange / White / Orange	0.64	12	31.00
116-0549-C56	Black	0.76	12	31.00
116-0549-C57	Orange	0.89	12	31.00
116-0549-C59	White	1.02	12	31.00
116-0549-C60	White / Red / White	1.09	12	31.00
116-0549-C61	Red	1.14	12	31.00
116-0549-C63	Grey	1.30	12	31.00
116-0549-C65	Yellow / Blue / Yellow	1.52	12	31.00
116-0549-C73	Black / White / Black	3.18	12	31.00

## 3 Bridge PVC Pump Tubing - 'E' Series

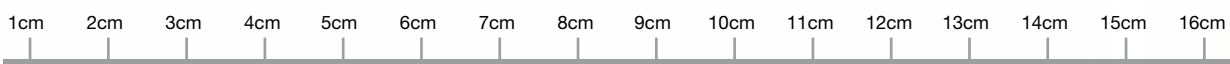
- Used with pumps requiring shorter bridge intervals than 'C' series.



### 3 Bridge PVC Pump Tubing - 'E' Series

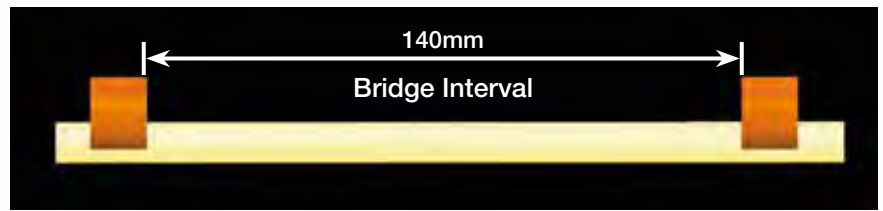
CATALOGUE NUMBER	BRIDGE COLOURS	NOMINAL INNER DIAMETER mm	UNIT QTY	UNIT PRICE (£)
116-E549-050	Orange / Yellow / Orange	0.51	12	31.00
116-E549-060	Orange / White / Orange	0.64	12	31.00
116-E549-070	Black	0.76	12	31.00
116-E549-080	Orange	0.89	12	31.00
116-E549-090	White	1.02	12	31.00
116-E549-100	Red	1.14	12	31.00
116-E549-110	Grey	1.30	12	31.00
116-E549-120	Yellow	1.42	12	31.00
116-E549-130	Blue	1.65	12	31.00
116-E549-140	Green	1.85	12	31.00
116-E549-150	Purple	2.05	12	31.00

#### Bridge Distance Checker (cm)



## Solvent Flexible PVC Manifold Pump Tubing

- Manufactured from a uniquely formulated medical grade PVC with yellow colouration.
- Ensures long pumping life when using routine solvents in medical applications.



### Technical Specification

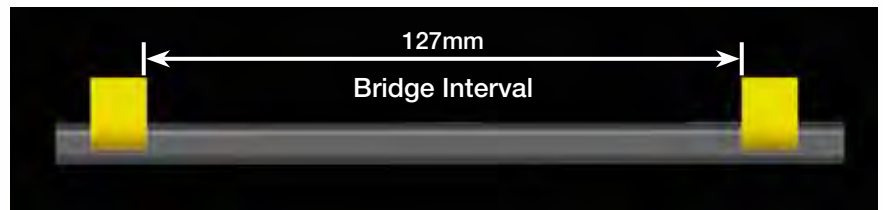
Material	Medical grade PVC
Durometer	60 Shore A
Colour	Yellow Translucent
Maximum Operating Temperature	94°C (165°F)

### Solvent Flexible PVC Manifold Pump Tubing

CATALOGUE NUMBER	BRIDGE COLOURS	INNER DIAMETER mm	OUTER DIAMETER mm	UNIT QTY	UNIT PRICE (£)
116-0533-030	Orange / Blue	0.254	2.083	12	21.00
116-0533-070	Black	0.762	2.438	12	21.00
116-0533-090	White	1.016	2.692	12	21.00
116-0533-100	Red	1.143	2.819	12	21.00
116-0533-110	Grey	1.295	2.972	12	21.00
116-0533-120	Yellow	1.422	3.099	12	21.00
116-0533-130	Blue	1.651	3.327	12	21.00

## Acid Flexible Pump Tubing

- Extruded from a unique blend of Viton® rubber to deliver longer pumping life.
- Especially recommended for use with strong acids, alkalis and solvents.
- Flexible enough to resist cracks and flex-fatigue in peristaltic pumps.
- Every lot is precision made, vulcanised and quality tested for consistent dimensions and performance.



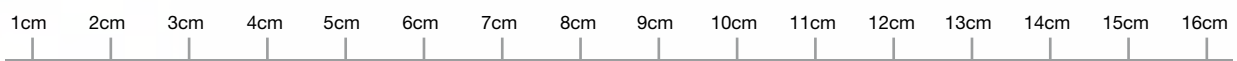
### Technical Specification

Material	Viton®
Durometer	60 Shore A
Colour	Black
Maximum Operating Temperature	205°C (400°F)

### Acid Flexible Pump Tubing

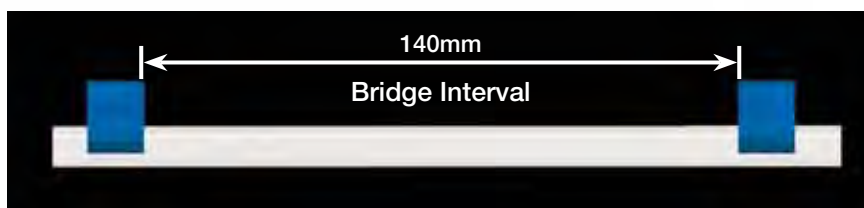
CATALOGUE NUMBER	BRIDGE COLOURS	INNER DIAMETER mm	OUTER DIAMETER mm	UNIT QTY	UNIT PRICE (£)
116-0651-080	Orange / Orange	0.889	2.718	12	70.00
116-0651-090	White / White	1.016	2.845	12	70.00
116-0651-100	Red / Red	1.143	2.972	12	70.00
116-0651-110	Grey / Grey	1.295	3.124	12	70.00
116-0651-120	Yellow / Yellow	1.422	3.251	12	70.00
116-0651-130	Blue / Blue	1.651	3.480	12	70.00
116-0651-140	Green / Green	1.854	3.683	12	70.00
116-0651-150	Purple / Purple	2.057	3.886	12	70.00

### Bridge Distance Checker (cm)



## Silicone Pump Tubing

- Highly flexible and free of additives or plasticizers.
- Will not readily age, oxidize or deteriorate over time.
- Excellent flow characteristics.
- Broad compatibility with most acids, alkalis and solvents.
- Wall thickness of 0.914mm / 0.036 inches.



### Silicone Pump Tubing

CATALOGUE NUMBER	BRIDGE COLOURS	INNER DIAMETER mm	OUTER DIAMETER mm	UNIT QTY	UNIT PRICE (£)
116-0497-070	Orange / White	0.635	2.464	6	30.00
116-0497-080	Black	0.762	2.591	6	30.00
116-0497-090	Orange	0.889	2.718	6	30.00
116-0497-100	White	1.016	2.845	6	30.00
116-0497-110	Red	1.143	2.972	6	30.00
116-0497-120	Grey	1.295	3.124	6	30.00
116-0497-130	Yellow	1.422	3.251	6	30.00
116-0497-140	Yellow / Blue	1.524	3.353	6	30.00
116-0497-150	Blue	1.651	3.480	6	30.00
116-0497-170	Purple	2.057	3.886	6	30.00
116-0497-180	Purple / Black	2.311	4.140	6	30.00

#### Technical Specification

Material	Medical grade Silicone
Durometer	45-55 Shore A
Colour	Translucent
Maximum Operating Temperature	205°C (400°F)

## Mediprene™ Pump Tubing

Elkay Mediprene® pump tubing has exceptional life expectancy for peristaltic pump applications.

- Mediprene® pump tubing is made from Santoprene®, a thermoplastic medical grade rubber.
- Highly flexible tubing reduces failure and contamination.
- Meets USP Class IV and FDA criterias.
- Less gas permeable than silicone.
- Highly resistant to UV light exposure and strong chemicals.
- 3 bridge Mediprene tubing for more specialised pump systems available on request.



### Mediprene™ Pump Tubing

CATALOGUE NUMBER	BRIDGE COLOURS	INNER DIAMETER mm	OUTER DIAMETER mm	UNIT QTY	UNIT PRICE (£)
116-MEDI-025	Orange / White	0.635	2.464	6	25.00
116-MEDI-030	Black	0.762	2.591	6	25.00
116-MEDI-035	Orange	0.889	2.718	6	25.00
116-MEDI-040	White	1.016	2.845	6	25.00
116-MEDI-045	Red	1.143	2.972	6	25.00
116-MEDI-056	Yellow	1.422	3.251	6	25.00
116-MEDI-058	Translucent	1.473	3.302	6	25.00
116-MEDI-060	Yellow / Blue	1.524	3.353	6	25.00
116-MEDI-065	Blue	1.651	3.480	6	25.00
116-MEDI-073	Green	1.854	3.683	6	25.00
116-MEDI-081	Purple	2.057	3.886	6	25.00
116-MEDI-090	Purple / Black	2.311	4.140	6	25.00
116-MEDI-090	Purple / Orange	2.540	4.380	6	25.00
116-MEDI-100	Purple / Orange	2.540	4.380	6	25.00
116-MEDI-110	Purple / White	2.790	4.620	6	25.00

#### Technical Specification

Material	Santoprene®
Durometer	55 Shore A
Colour	Beige
Maximum Operating Temperature	+135°C

## Tubing Compatibility Chart

	PVC	Silicone	Viton
Acetaldehyde	3	1	3
Acetates	3	n/a	n/a
Acetic acid >5%	2	2	1
Acetic acids < 5%	1	1	1
Acetic Anhydride	3	3	3
Acetone	3	2	3
Acetonitrile	3	n/a	3
Acetyl bromide	3	3	3
Acetyl chloride	3	3	3
Air	1	1	1
Alcohols	2	3	3
Aliphatic hydrocarbons	2	2	2
Aluminum chloride	1	3	1
Aluminum sulfate	n/a	1	1
Alums	1	1	1
Ammonia (gas-liquid)	2	2	3
Ammonium acetate	1	1	3
Ammonium carbonate	n/a	2	n/a
Ammonium chloride	1	2	1
Ammonium hydroxide	2	1	2
Ammonium nitrate	1	1	1
Ammonium phosphate	1	1	1
Ammonium salts	1	1	3
Ammonium sulfate	1	1	1
Amyl acetate	3	3	3
Amyl alcohol	2	3	3
Amyl chloride	2	3	2
Aniline	3	3	3
Aniline hydrochloride	3	3	3
Antimony salts	1	1	1
Aqua regia	3	3	3
Arsenic salts	1	1	1
Barium salts	1	1	1
Benzaldehyde	3	3	3
Benzene	2	3	2
Benzenesulfonic acid	2	3	2
Benzoic acid	1	2	1
Benzyl alcohol	2	2	1
Bleaching liquors	2	3	1
Boric acid	1	1	1
Bromine 1	1	3	1
Butane	2	3	1
Butanol	2	3	1
Butyric acid	2	3	n/a
Calcium oxide	n/a	1	n/a
Calcium salts	1	2	1
Carbon dioxide	1	2	3
Carbon bisulfide	3	n/a	1
Carbon tetrachloride	3	3	1
Chlorine (dry)	1	3	1
Chlorine (wet)	2	3	1
Chloroacetic acid	3	3	3
Chlorobenzene	3	3	1
Chloroform	3	3	1
Chlorosulfonic acid	2	3	3
Chromic acid	1	3	1
Chromium salts	1	n/a	n/a
Copper salts	1	1	1
Cresol	3	1	1
Cyclohexane	2	3	1
Cyclohexanone	3	3	3
Essential Oils	2	n/a	n/a
Ethers	3	3	3
Ethyl acetate	3	3	3
Ethyl bromide	3	3	1
Ethyl chloride	3	3	1
Ethylene chlorohydrin	2	2	3
Ethylene glycol	2	1	1
Fatty acids	1	3	1
Ferric & ferric salts	2	3	1
Ferric chloride	1	2	1
Ferric sulfate	1	2	1
Ferrous chloride	1	n/a	n/a
Ferrous sulfate	1	2	1
Fluoborate salts	1	n/a	n/a
Fluoboric acid	1	n/a	n/a
Fluosilicic acid	1	n/a	1
Formaldehyde	2	2	2
Formic acid	2	3	3
Freon	3	3	3
Glucose	1	1	1
Glycerine	2	2	3
Hydriodic acid	1	n/a	n/a
Hydro-bromic acid	1	3	1
Hydrochloric acid	1	1	1
Hydrochloric acid (dil.)	1	3	1
Hydrochloric acid (conc.)	1	3	1
Hydrocyanic acid	1	3	1
Hydrofluoric acid	2	3	1
Hydrogen peroxide (dil.)	1	3	1
Hydrogen sulfide	1	3	3
Hydrochlorous acid	1	1	1
Iodine and solutions	1	3	2
Ketones	3	n/a	n/a
Lacquer solvents	3	3	n/a
Lactic acid	1	1	1
Lead acetate	n/a	3	n/a
Lead salts	1	3	1
Linseed oil	3	3	3
Magnesium chloride	1	1	1
Magnesium sulfate	n/a	1	1
Malic acid	1	2	1
Manganese salts	1	1	1
Mercury salts	1	1	1
Methanol	1	1	3
Methyl chloride	3	3	1
Mixed acid (40% sulfuric, 15% nitric)	2	3	1
Naphtha	2	3	1
Natural gas	1	1	1
Nickle salts	1	1	1
Nitric acid (dil.)	1	2	1
Nitric acid (med.conc.)	1	3	1
Nitric acid (conc.)	2	3	2
Nitrobenzene	3	1	2
Nitrogen oxides	1	3	3
Nitrous acid	1	n/a	n/a
Oils, vegetable	2	3	1
Oils, mineral	1	3	1
Oleic acid	3	3	3
Oxalic acid	1	2	1
Oxygen (gas)	1	2	2
Perchloric acid	3	3	1
Phenol	2	3	1
Phosphoric acid (50%)	1	3	1
Phthalic acid	1	n/a	n/a
Plating solutions	1	3	1
Potassium hydroxide (med)	1	2	2
Potassium hydroxide (conc.)	1	3	2
Potassium iodide	1	1	1
Potassium salts	1	1	1
Pyridine	3	3	3
Silver nitrate	1	1	1
Soap solutions	1	1	1
Sodium bicarbonate	1	1	1
Sodium bisulfite	n/a	1	1
Sodium borate	n/a	1	1
Sodium carbonate	n/a	1	1
Sodium chloride	1	2	1
Sodium hydroxide (dil.)	1	2	1
Sodium hydroxide, 25%	1	3	2
Sodium hydroxide (conc.)	1	2	2
Sodium hypochlorite <5%	2	2	1
Sodium hypochlorite >5%	2	2	2
Sodium salts	1	1	1
Stearic acid	1	2	1
Sulfur chloride	2	3	1
Sulfur dioxide	2	2	2
Sulfur trioxide	2	3	1
Sulfuric acid (dil.)	1	3	1
Sulfuric acid (med.conc.)	1	3	1
Sulfuric acid (conc.)	3	3	2
Sulfurous acid	1	3	1
Tannic acid	1	3	1
Tanning extracts	1	n/a	n/a
Tartaric acid	1	1	1
Tin salts	1	n/a	1
Titanium salts	1	3	1
Toluol	3	3	3
Tri-sodium phosphate	1	1	1
Trichloroacetic acid	2	3	3
Turpentine	2	3	1
Urea	1	1	3
Uric acid	1	1	1
Water, fresh	1	1	1
Water, salt	1	1	1
Xylene	3	3	1
Zinc chloride	1	3	1

The information in this chart is to be used only as a general guideline.

Performances may vary because of the many factors that can affect the chemical resistance of a given product.

Elkay (UK) does not warrant (either implied or expressed) that the information in this table is accurate or complete or that any material is suitable for the stated use.

<b>Code 1</b>	Recommended
<b>Code 2</b>	Acceptable but evaluation under specific operating conditions advisable
<b>Code 3</b>	Not recommended

## Plastic Physical Compatibilities

PROCESS	POLYSTYRENE	POLYPROPYLENE	HIGH DENSITY POLYETHYLENE	LOW DENSITY POLYETHYLENE
Autoclavable	NO	YES	NO	NO
Chemical Sterilisation	NO	YES	YES	YES
Dry Heat Sterilisation at 160°C	NO	NO	NO	NO
Radiation Sterilisation	YES	YES	YES	YES
Gas Sterilisation, Ethylene Oxide	YES	YES	YES	YES
Brittle Temperature	0°C (32°F)	-40°C (-40°F)	-40°C (-40°F)	-40°C (-40°F)
Heat Distortion Temperature	70°C (158°F)	135°C (275°F)	121°C (250°F)	50°C (90°F)
Specific Gravity	1.040	0.903	0.944	0.92
Transparency	Clear	Translucent	Translucent	Translucent

## Plastic Chemical Compatibilities

CHEMICAL CLASS	POLYPROPYLENE	POLYETHYLENE	POLYSTYRENE
Aliphatic Hydrocarbon	Fair	Fair	Poor
Aromatic Hydrocarbons	Fair	Fair	Poor
Full Halogenated Hydrocarbons	Poor	Poor	Poor
Partially Halogenated Hydrocarbons	Poor	Poor	Poor
Alcohols - Monohydric	Good	Fair	Good
Polyhydric	Excellent	Good	Good
Phenols	Poor	Excellent	Poor
Ketones	Good	Good	Poor
Esters	Good	Good	Poor
Ethers	Fair	Good	Poor
Inorganic Acids - Concentrated	Excellent	Good	Fair
Inorganic Acids - Dilute	Excellent	Excellent	Good
Bases - Concentrated	Excellent	Good	Fair
Bases - Dilute	Excellent	Good	Excellent
Salts - Acid	Excellent	Excellent	Good
Neutral	Excellent	Excellent	Excellent
Basic	Excellent	Excellent	Good
Organic Acids - Concentrated	Good	Excellent	Poor
Organic Acids - Dilute	Excellent	Excellent	Fair
Oxidizing Agents - Concentrated	Poor	Poor	Poor
Oxidizing Agents - Dilute	Good	Good	Fair

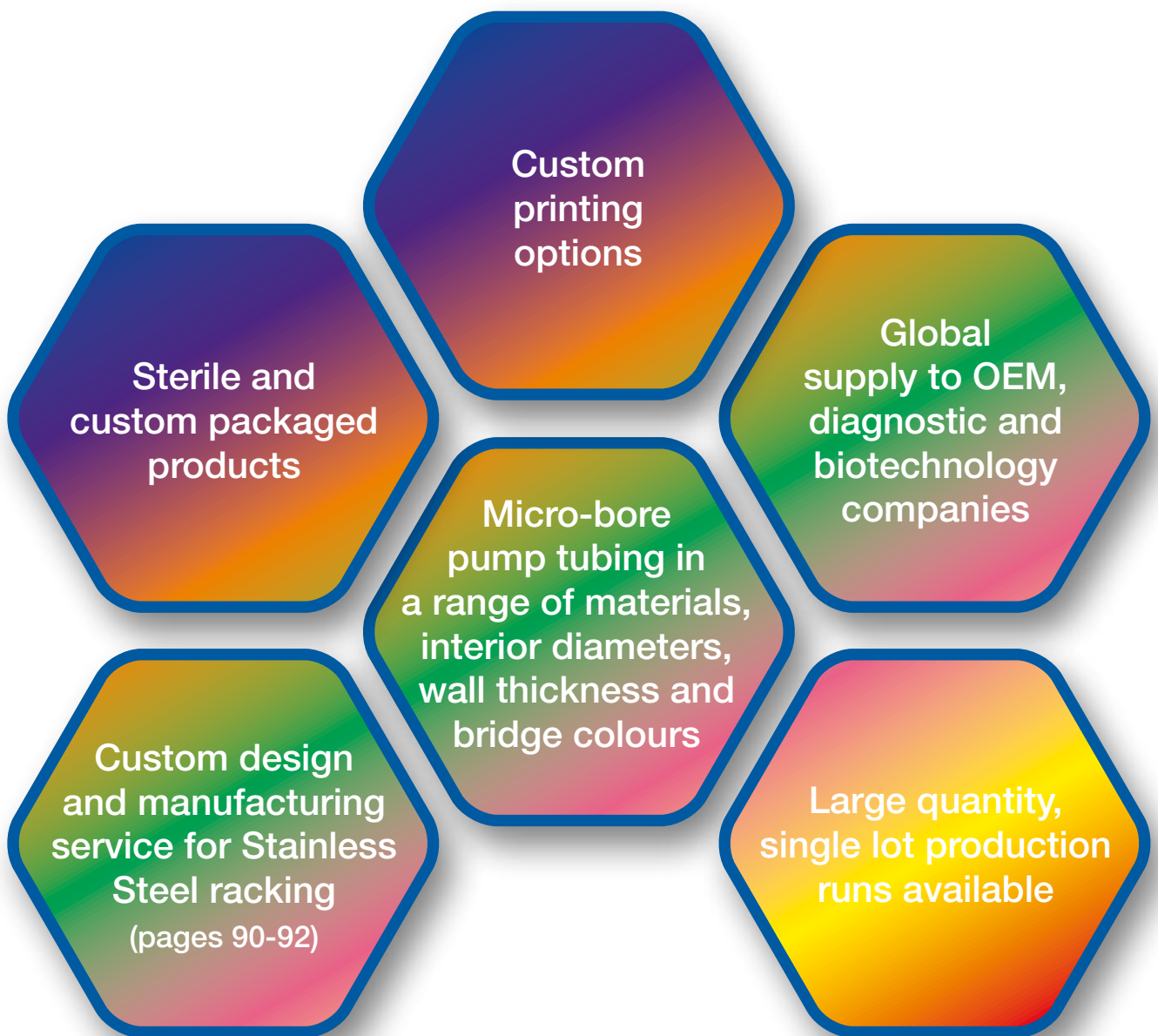
This is only a general guideline of recommendations and not guarantees of performance.

Factors such as concentration, temperature, stress and length of exposure can affect performance. Chemicals can affect the strength, flexibility, surface appearance, colour, dimensions and weight of plastics.

We recommend you test materials under actual conditions to determine suitability for applications.

# Custom manufacturing and packaging services

Elkay has over 30 years experience supplying precision laboratory consumables to laboratories, diagnostic companies and other Original Equipment Manufacturers (O.E.M.) throughout the world. Whether it is a critical consumable for a diagnostic test kit, bespoke pump tubing for a new pump / analyser or special packaging, we are sure we have a cost effective solution to meet your custom OEM needs.



For more information on Elkay's custom manufacturing & packaging capabilities, call us on +44 (0) 1256 811118 or e-mail [sales@elkay-uk.co.uk](mailto:sales@elkay-uk.co.uk)



# Elkay Recycling Program

## Doing our part for nature.

As a supplier of products that are mostly non-biodegradable, disposable plastic, we see that we have a duty to aid in the recycling of any materials that are suitable. Therefore, we have formed an alliance with a specialist laboratory waste recycling company, to help our customers dispose of pipette tip racks, lids and packaging.



Working together, we are able to offer our customers:

- ✓ **Free collections**
- ✓ **Free storage bags or bins** (volume dependant)
- ✓ **A low maintenance, reliable recycling solution**

### What's required?

Simple...all tip racks to be recycled have been supplied by Elkay.

### What now?

- Call us on **01256 811 118** to discuss your collection criteria
- Tell us exactly where the spent racks are to be collected from
- We can then agree a collection rota – dependant on location, quantity etc.
- A waste **Transfer Note** will be issued.

### FAQs

#### What should I store my used racks in?

Please put the racks back in their original packaging unless a bag or bin has been provided.

#### Can I also recycle the rack lid?

Yes.

#### Can I recycle my used tips?

No, only the racks and lids are accepted for recycling.

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# Conditions of Sale

## of Elkay Laboratory Products (UK) Ltd., herein known as LK

- 1. Acceptance**

A binding agreement will be created only after an order has been completed by the purchaser and accepted by LK. LK shall not be obliged to accept any order. Upon acceptance, LK agrees to supply the items set out in the order.
- 2. Terms of Payment**

The purchaser shall pay for the goods at the price stated on the invoice plus VAT, where applicable. Unless otherwise agreed in writing, all invoices are due for payment within 30 days from the date of the invoice.
- 2.1 Late Payment Charges**

Under the Late Payment of Commercial Debt Regulations 2002, we can exercise our statutory right to charge interest and an administrative charge on all overdue invoices.
- 3. Delivery & Other Charges**

Prices quoted, except where specifically stated, do not include delivery charges LK will bill these separately. LK may charge a small order surcharge of £7.50 for orders of less than £75 in value.
- 4. Delivery and Dates**

Unless stated otherwise, delivery dates are estimates only and although LK will endeavour to meet such dates, it shall not be liable for any consequences of failure to deliver by any stated delivery date.
- 5. Validity**

Unless previously withdrawn, LK's quotation is open for acceptance within the specified period, or where no period is specified, within 30 days only after its date.
- 6. V.A.T.**

Prices quoted exclude VAT and all similar taxes and the purchaser will be liable for such taxes.
- 7. Liability**

Subject as expressly provided below, and except where the goods are sold to a person dealing as a consumer (within the meaning of the Unfair Contract Terms Act 1977), all warranties, conditions or other terms implied by statute or common law are excluded to the fullest extent permitted by law.

Any claim by the purchaser which is based on any defect in the quality or condition of the goods or their failure to correspond with specification shall (whether or not delivery is refused by the purchaser) be notified to LK within 5 days of the date of delivery (where the defect or failure was not apparent on reasonable inspection) within a reasonable time after discovery of the defect or failure. If delivery is not refused and the purchaser does not notify LK accordingly, the purchaser shall not be entitled to reject the goods and LK shall have no liability for such defect or failure and the purchaser shall be bound to pay the price as if the goods had been delivered in accordance with the contract.

Where any valid claim in respect of the goods which is based on any defect in the quality or condition of the goods or their failure to meet specification is notified to LK in accordance with these conditions, LK shall be entitled to replace the goods (or the part in question) free of charge or, at LK's sole discretion, refund to the purchaser the price of the goods (or a proportion or part of the price) but LK shall have no further liability to the purchaser.

Further liability clauses, available on request.
- 8. Risk**

The risk in the goods shall pass to the purchaser on delivery.
- 9. Title**

Notwithstanding delivery and passing of risk, the title of the goods shall remain within LK until payment in full for the goods has been received. The purchaser shall have the right before title of the goods has passed to resell the goods or any part thereof but shall pay to LK the proceeds of sales or such part thereof necessary to pay all sums due to LK from the purchaser and until such payment shall hold the proceeds of sale on trust for LK.
- 10. Descriptions**

The descriptions and illustrations contained in LK's sales literature are intended to merely to present a general idea of the goods described and none of these shall form part of the contract. LK reserves the right to supply alternative products to those illustrated.
- 11. Price Lists**

LK may vary its established prices without notice. Price lists are available on request.
- 12. Cancellation**

Orders may not be cancelled without LK's prior written agreement and in any event may be subject to a charge. Standing orders or programmed deliveries may be cancelled no less than 8 weeks prior to the last shipment date.
- 13. Jurisdiction**

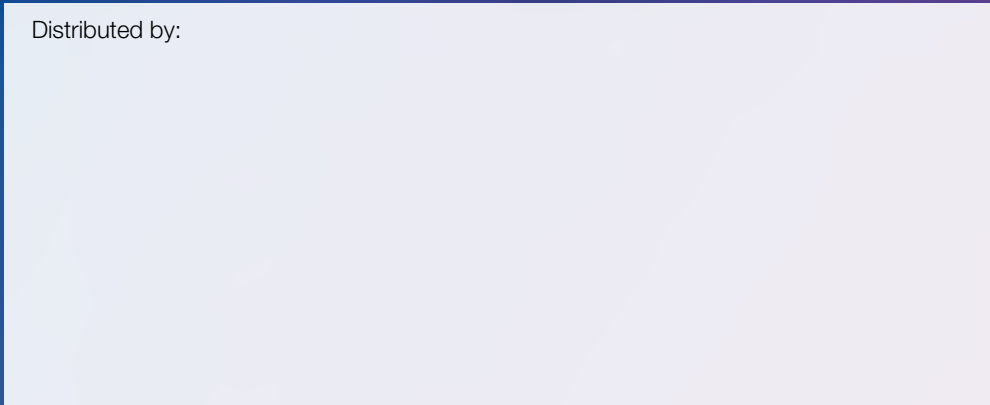
Any agreement or order will be governed by the laws of England.
- 14. Variation**

No variation of these conditions shall be binding unless in writing and signed by a director on behalf of LK.
- 15. Entire Agreement**

These conditions shall form the basis of the contract between LK and the purchaser and shall prevail over any conditions terms of trading of the purchaser.



Distributed by:



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