



# Quality and reliability for microbiology

Sterilin single-use life-science and clinical  
laboratory plastics

# Introduction

For more than 50 years, the Sterilin name has represented quality, reliability and user safety in the field of single use laboratory plastics. Thermo Scientific™ Sterilin products offer peace of mind as dependable consumable products for microbiology, life science and clinical laboratories.

## Quality

Our commitment to continuous product improvement ensures that every item is made to the exacting specifications that users have come to expect.

This covers the design and manufacture of plastic single-use laboratory disposables, reusable plastic laboratory-ware and silicone rubber products for a range of markets including pharmaceutical, laboratory and medical to both British national and international standards and customer specifications. These can include products that are classified as medical devices or *in vitro* diagnostic medical devices. The products are supplied non-sterile, aseptically manufactured or sterilized by gamma irradiation.

Sterilin products are quality driven with great care taken to ensure that our products meet necessary legislation and guidelines. Many items within the range carry a CE symbol either in accordance with the In-vitro Diagnostic Medical Device Directive 98/79/EC or the Medical Devices Directive (93/42/EEC). We are obligated to adhere to careful design, production and quality control of products that are classified as Medical Devices.

## Aseptic Manufacture

Many Sterilin products are aseptically manufactured. 'Aseptic' refers to methods and procedures designed to prevent the access of living or dead bacteria, fungi, viruses and other biological contamination, so that products or work areas are maintained in a biologically clean condition. Petri dishes, containers and multiwell plates are examples of our aseptically manufactured products. During production, virgin polystyrene is subjected to temperatures in excess of 392°F (200°C)

and then injected into the mold at high pressure. These exacting conditions ensure a biologically clean product. Subsequent assembly and primary packaging is carried out by trained operators under cleanroom conditions (class 10,000 maintained as per BS EN ISO14644) to exclude any microbiological contamination. Stringent microbiological sampling of the clean room environment and finished product ensures extremely clean product with a very high sterility assurance level.

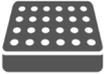
## Irradiation

Irradiation is a method of sterilization which involves subjecting the finished product and its packaging to ionizing radiation. The radiation breaks down DNA and so destroys living organisms. Gamma irradiation is used for the sterilization of products which are complex to manufacture under aseptic conditions. Products that have been subjected to sterilization via irradiation are usually denoted by a red indicator on the packaging.

## Contact Information

Please direct your technical and availability inquiries to your local distributor. For additional information or to find the best team to help you, visit [thermofisher.com/contactus](https://www.thermofisher.com/contactus)

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# Abbreviations and trademarks

## Abbreviations

ABS	Acrylonitrile Butadiene Styrene
ACS	Acrylonitrystyrene co-polymer
AL	Aluminium
AS	Aseptic Manufacture
CA	Cellulose Acetate
Dia	Diameter
EO	Ethylene Oxide
ID	Internal Diameter
IRR	Irradiated for Sterility
G	Glass
M	Metal, Tin Plate
NS	Non Sterile
OD	Outer Diameter
OH	Overall Height
PE	Polyethylene
PES	Polyethersulfone
PETG	Polyethylene Tetrathalate
PMMA	Polymethyl Methacrylate
PP	Polypropylene
PS	Polystyrene
W	Wire, Epoxy Coated

## Trademarks

For trademark ownership, visit [thermofisher.com/trademarks](https://www.thermofisher.com/trademarks).

All trademark name representations and listed owners are believed to be accurate, but not guaranteed to be so.

Copan is a trademark of Copan Italia. Dacron is a trademark of E.I. duPont de Nemours. Eppendorf is a trademark of Eppendorf AG. Gilson is a trademark of Gilson, Inc. Pyrex is a trademark of Corning. Sterilin is a trademark of Thermo Fisher Scientific. Thermo Scientific is a trademark of Thermo Fisher Scientific. Tween 80 is a trademark of ICI Americas.

Products indicated as CE marked are registered for sale in the European Community.

## Availability

Sterilin products are not available in all regions. Consult your sales representative for to find out if the product you need is available in your region. Find out more online at [thermofisher.com/sterilin](https://www.thermofisher.com/sterilin)

# Chemical resistance and physical properties of polymers

	Excellent resistance, can withstand use over a long period of time without change		Good resistance, minor attack may occur over long periods of storage		Translucent
	Limited resistance, moderate attack, product can be used for brief mixing and measuring		Poor resistance, product becomes unstable on contact with chemical		Clear

	PS	PP	LDPE	HDPE	PETG
Acids-dilute	Green	Green	Green	Green	Green
Acids-concentrated	Orange	Green	Green	Green	Red
Alcohols	Green	Green	Green	Green	Green
Aldehydes	Red	Green	Yellow	Yellow	Red
Bases	Green	Green	Green	Green	Red
Chloroform	Red	Orange	Red	Orange	Red
Esters	Red	Yellow	Yellow	Yellow	Red
Formaldehyde	Red	Yellow	Yellow	Yellow	Red
Hydrocarbons-aliphatic	Red	Yellow	Orange	Yellow	Red
Hydrocarbons-aromatic	Red	Orange	Orange	Yellow	Red
Hydrocarbons-halogenated	Red	Orange	Red	Orange	Red
Ketones	Red	Yellow	Yellow	Yellow	Red
Oils, mineral	Green	Green	Orange	Yellow	Yellow
Oils, vegetable	Yellow	Yellow	Yellow	Yellow	Yellow
Oxidizing agents	Red	Orange	Orange	Orange	Red

mm cm<sup>3</sup>/cm<sup>2</sup> sec (cm Hg) x 1010

	PS	PP	LDPE	HDPE	PETG
Max Temp °C	70	135	80	120	60
Min Temp °C	-40	0	-50	-100	-80
Autoclavable	No	Yes	No	No	No
Gamma Irradiation Sterilisation	Yes	No	Yes	Yes	Yes
Transparency	C	TL	TL	TL	C
Gas Permeability N <sub>2</sub>	3	4.4	20	3	0.8
Gas Permeability CO <sub>2</sub>	75	92	280	45	4.5
Gas Permeability O <sub>2</sub>	15	28	60	10	1.1
Water Absorption %	0.05	<0.02	<0.01	<0.01	<0.1

## Key to abbreviations

- (PS) Polystyrene
- (PP) Polypropylene
- (LDPE) Low density polyethylene
- (HDPE) High density polyethylene
- (PETG) Polyethylene Tetrphthalate

This chemical resistance chart and table of physical properties is intended for general guidance only. We recommend that users satisfy themselves as to the compatibility between containers and proposed contents before use.

# Bags



- Autoclave bags are impermeable to steam, and for this reason should not be twisted or taped shut as this could prevent the load from being sterilised correctly
- Do not overload the autoclave. Leave plenty of room for thorough steam circulation
- Autoclave bags containing biological waste should be autoclaved for a minimum of 30 minutes at 121°C to ensure sterilization. Use high temperature bags and autoclave at 135°C for a minimum of 30 minutes for the decontamination and inactivation of particularly resistant biological waste <sup>†</sup>
- Water should be added to bags of solid waste to allow effective sterilization of the load
- Do not put sharp objects such as broken glassware into an autoclave bag as this can lead to puncture holes

## Ordering Information

Not available in all geographic regions



<sup>†</sup>These are purely guidelines — times and temperatures will be dependent on the nature of the autoclave load.

# Thermo Scientific Sterilin Autoclave Bags

Sterilin Autoclave Bags are strong disposable bags with blue biohazard printing specifically designed for contaminated waste disposal in autoclaves or incinerators



## Details

- HDPE bags are suitable for sterilization at 121°C and polypropylene bags are suitable for the inactivation of particularly resistant biological waste at 135°C
- Convenient “tissue box” cartons dispense bags individually
- Coated wire stands or cardboard holders available for use with autoclave bags



## Sterilin Autoclave Bags

Description	Width x Length	Material	Max. Temperature	Case Qty.	Cat. No.
<b>Units</b>					
Autoclave Bags	305 x 660mm	HDPE	121°C	200	509-17
Autoclave Bags	406 x 610mm	HDPE	121°C	200	509L
Autoclave Bags	305 x 660mm	HDPE	121°C	500	510-17
Autoclave Bags	406 x 610mm	HDPE	121°C	500	510L
Autoclave Bags	610 x 810mm	HDPE	121°C	200	511-17
Autoclave Bags	305 x 660mm	PP	135°C	200	509HT
Autoclave Bags	305 x 660mm	PP	135°C	500	510HT
Autoclave Bags	406 x 610mm	PP	135°C	200	509LHT
Autoclave Bags	406 x 610mm	PP	135°C	500	510LHT
Autoclave Bags	610 x 810mm	PP	135°C	200	511HT

# Thermo Scientific Sterilin Homogeniser Bags

Sterilin Homogeniser Bags are ideal for homogenizing food samples prior to microbiological analysis

## Details

- Suitable for use in all leading homogeniser machines
- Double sealed for strength and reliability, ensuring safe processing of samples
- Manufactured from food grade heavy gauge polyethylene for durability
- Sterilized by gamma irradiation



## Sterilin Homogeniser Bags

Description	Capacity	W x L	Sterility	Inner Pack Qty.	Case Qty.	Cat. No.
Steriblend bag	400mL	180 x 300mm	IRR	50	500	S400

# Containers



## Technical data

### Dimensions

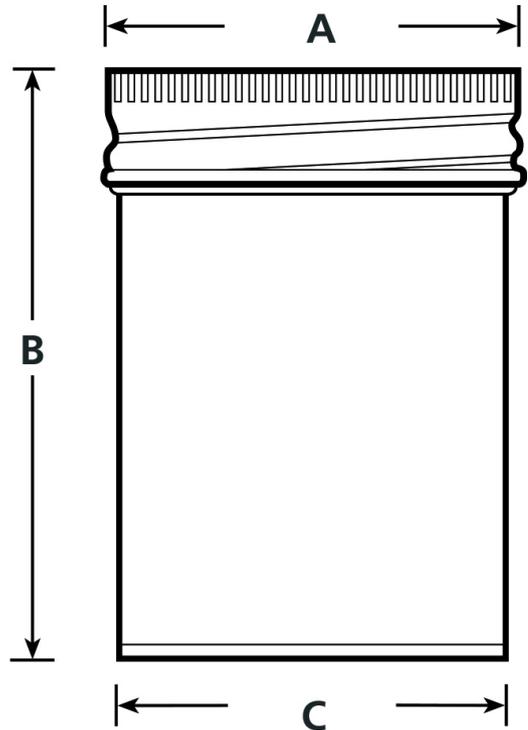
Dimensions given throughout the catalog are nominal unless otherwise stated. Thermo Fisher Scientific reserves the right to alter specifications without the prior notice as part of the company's policy of ongoing product improvement.

### Leak Test Standard

In many applications, particularly the healthcare sector, Sterilin containers will be used to contain both valuable and hazardous samples. Many of these samples will also be subjected to the rigors of hospital air transport systems. It is imperative that these products do not leak. As such, for the benefit and safety of both patients and clinicians, production samples of Sterilin containers are routinely leak tested in accordance with BS EN 14254 Annex D.

### Ordering Information

Not available in all geographic regions



### Technical data

Product	A (mm)	B (mm)	C (mm)
7mL Bijou, PS	22.5	50.2	18.0
7mL Bijou, Glass	20.9	45.5	15.9
30mL Universal, PS	31.0	94.0	24.0
30mL Universal, PP	29.5	90.0	24.0
30mL Universal, Glass	26.6	84.8	21.4
60mL Container, Plastic Cap, PS	45.0	61.0	39.2
60mL Container, Metal Cap, PS	44.5	61.0	39.2
100mL Container, Plastic Cap, PS	51.0	78.0	44.0
100mL Container, Metal Cap, PS	49.5	77.0	44.0
150mL Container, Metal Cap, PS	55.0	108.0	48.0
250mL Container, Metal Cap, PS	65.5	119.5	58.0
250mL Container, Metal Cap, PP	65.0	118.0	58.0



# Sterilin Polystyrene Containers, 7mL Bijou

Sterilin Polystyrene Containers are ideal for small volume samples



## Product Highlights

- CE Marked
- Aseptic
- Centrifugation

## Details

- Leak-tested in accordance with BS EN 14254 Annexe D
- Available pre-filled with boric acid (0.09g) for the preservation of urine samples
- Available with removable glass coverslip — ideal for work on the culture of intracellular organisms (e.g., Chlamydia trachomatis, Rickettsia, etc.)
- Suitable for centrifugation at 7,200 x g
- Aseptically manufactured
- In vitro use only
- CE marked in accordance with the European Directive 98/79/EC



## Sterilin Polystyrene Containers, 7mL Bijou

Description	Label	Material Base/Cap	O.D. x H	Sterility	Case Qty.	Cat. No.
Bijou	None	PS/PE	22.5 x 50.2mm	AS	700	129A
Bijou	Plain	PS/PE	22.5 x 50.2mm	AS	700	129B
7mL Bijou + boric acid	Printed	PS/PE	22.5 x 50.2mm	AS	700	129BBAC
Bijou + coverslip	None	PS/PE	22.5 x 50.2mm	AS	700	129AX/1

# Sterilin 'Quickstart' Universal Polystyrene Containers, 30mL

Sterilin 'Quickstart' Universal Polystyrene Containers with the 'Quickstart' cap offer unrivaled leak-free performance



## Product Highlights

- CE Marked
- Aseptic
- 95kPa\*
- Centrifugation

## Details

- ½ turn cap ensures improved end user handling
- Leak-tested in accordance with BS EN 14254 Annexe D
- 95kPa-compliance\* ensures leak-free performance and suitability for transport
- Available pre-filled with boric acid (0.4g) for the preservation of urine samples
- Supplied in convenient shelf packs of 50
- Suitable for centrifugation at 3,800 x g
- Lot number on each container aids full traceability
- Aseptically manufactured
- *In vitro* use only
- CE marked in accordance with the European Directive 98/79/EC

\* 95kPa compliance testing was carried out at ambient temperature



QuickStart cap ensures excellent leak-free performance.

## Sterilin Polystyrene Containers, 'Quickstart' cap

Description	Label	Material Base/Cap	O.D. x H	Sterility	Case Qty.	Cat. No.
QuickStart Universal	None	PS/PE	31 x 94mm	AS	400	128A
QuickStart Universal	Printed	PS/PE	31 x 94mm	AS	400	128B
QuickStart Universal	Plain	PS/PE	31 x 94mm	AS	400	128C
QuickStart Universal + boric acid	Printed	PS/PE	31 x 94mm	AS	400	128BBAC

Note: Also available in polypropylene.

# Sterilin Polystyrene Universal Containers, 30mL

Sterilin Polystyrene Containers with traditional flow seal, 1½ turn cap, ensure excellent sample containment



## Product highlights

- CE Marked
- Aseptic
- 95kPa
- Centrifugation

- Available pre-filled with boric acid (0.4g) for the preservation of urine samples
- Suitable for centrifugation at 3,800 x g
- Aseptically manufactured
- *In vitro* use only
- CE marked in accordance with the European Directive 98/79/EC

## Details

- Leak-tested in accordance with BS EN 14254 Annex D
- 128A/FS, 128B/FS, 128C/FS, 128BBAC/FS, 128B/50 and 128BBAC/50 are 95kPa compliant\* and ensure leak-free performance and suitability for transport (except spoon variants)

\* 95kPa compliance testing was carried out at ambient temperature



## Sterilin Polystyrene Universal Containers, 30mL

Description	Label	Material Base/Cap	O.D. x H	Sterility	Case Qty.	Cat. No.
30mL Universal	None	PS/PE	31 x 94mm	AS	400	128A/FS <sup>†</sup>
30mL Universal	Printed	PS/PE	31 x 94mm	AS	400	128B/FS <sup>†</sup>
30mL Universal	Plain	PS/PE	31 x 94mm	AS	400	128C/FS <sup>†</sup>
30mL Universal + spoon	None	PS/PE	31 x 94mm	AS	400	128SA
30mL Universal + spoon	Printed	PS/PE	31 x 94mm	AS	400	128SB
30mL Universal + spoon	Plain	PS/PE	31 x 94mm	AS	400	128SC
<b>Now available in convenient shelf packs of 50</b>						
30mL Universal + boric acid	Printed	PS/PE	31 x 94mm	AS	400	128BBAC/50 <sup>†</sup>

<sup>†</sup> 95kPa Compliant

# Sterilin Polystyrene Urine Tubes

Sterilin Polystyrene Urine Tubes are ideal for use in automated urine analyzers



## Product highlights

- CE Marked
- Aseptic
- 95kPa
- Centrifugation

## Primary Urine Tubes details

- Eliminate the need for decanting in the laboratory
- Labelled for patient details and available both empty and pre-filled with boric acid (0.18g) for the preservation of urine samples
- Secure screw cap, leak-tested in accordance with BS EN 14254 Annexe D
- A collection cup is also available to simplify transferring the sample into the tube if required
- Suitable for centrifugation at 3,200 x g
- Aseptically manufactured
- *In vitro* use only
- CE marked in accordance with the European Directive 98/79/EC



## Technical data

Product	Capacity (mL)	Sterility	Qty per Pk. / Cs.	Cat. No.
<b>Primary Urine Tubes</b>				
Primary urine tube, screw cap	13	Aseptic	100/500	131B
Primary urine tube, screw cap + boric acid	13	Aseptic	100/500	131BBAC
Primary urine tube, screw cap + collection cup	13	Aseptic	100/500	131B/C
Primary urine tube, screw cap + boric acid + collection cup	13	Aseptic	100/500	131BBAC/C
Primary urine tube, screw cap	13	Aseptic	50/500	131B/50
Primary urine tube, screw cap + boric acid	13	Aseptic	50/500	131BBAC/50
Primary urine tube, screw cap + collection cup	13	Aseptic	50/500	131B/C50
Primary urine tube, screw cap + boric acid + collection cup	13	Aseptic	50/500	131BBAC/C50

# Sterilin Polystyrene Containers, 60 to 250mL

Sterilin Polystyrene Containers are ideal for sample containment



## Product highlights

- CE Marked
- Aseptic
- 95kPa<sup>†</sup>

## Details

- Choice of plastic or metal flow seal cap
- Leak-tested in accordance with BS EN 14254 Annexe D
- 125AM, 125BM and 125CM product certified 95kPa-compliant<sup>†</sup> ensuring suitability for sample transport
- Aseptically manufactured
- *In vitro* use only
- CE marked in accordance with the European Directive 98/79/EC



<sup>†</sup> 95kPa compliance testing was carried out at ambient temperature

## Sterilin Polystyrene Containers, 60 to 250mL

Description	Label	Material Base/Cap	O.D. x H	Sterility	Case Qty.	Cat No.
<b>60mL</b>						
Metal cap	None	PS/ME	44.5 x 61.0mm	AS	300	125AM <sup>†</sup>
Metal cap	Printed	PS/ME	44.5 x 61.0mm	AS	300	125BM <sup>†</sup>
Metal cap	Plain	PS/ME	44.5 x 61.0mm	AS	300	125CM <sup>†</sup>
Plastic cap	None	PS/PE	35.0 x 61.0mm	AS	300	125AP
Plastic cap	Printed	PS/PE	35.0 x 61.0mm	AS	300	125BP
Plastic cap	Plain	PS/PE	35.0 x 61.0mm	AS	300	125CP
<b>100mL</b>						
Metal cap	None	PS/ME	49.5 x 77.0mm	AS	200	185AM
Metal cap	Printed	PS/ME	49.5 x 77.0mm	AS	200	185BM
Metal cap	Plain	PS/ME	49.5 x 77.0mm	AS	200	185CM
Plastic cap	None	PS/PE	51.0 x 78.0mm	AS	200	185AP
Plastic cap	Printed	PS/PE	51.0 x 78.0mm	AS	200	185BP
Plastic cap	Plain	PS/PE	51.0 x 78.0mm	AS	200	185CP
<b>150mL</b>						
Metal cap	None	PS/ME	55.0 x 108.0mm	AS	120	165A
Metal cap	Printed	PS/ME	55.0 x 108.0mm	AS	120	165B
Metal cap	Plain	PS/ME	55.0 x 108.0mm	AS	120	165C
<b>250mL</b>						
Metal cap	None	PS/ME	65.5 x 119.5mm	AS	50	190A
Metal cap	Printed	PS/ME	65.5 x 119.5mm	AS	50	190B
Metal cap	Plain	PS/ME	65.5 x 119.5mm	AS	50	190C

<sup>†</sup> 95kPa compliant

# Sterilin Polystyrene Jars, Screw Cap

Sterilin Polystyrene Jars with screw caps are multi-use disposable jars — ideal for liquid, solid, food and histology samples



## Product Highlights

- CE Marked

## Details

- Available in both sterile (sterilised by gamma irradiation) and non-sterile formats
- Suitable for direct transfer of specimen from patient to jar
- Product supplied unlabelled
- Wide neck enables large specimens to be stored easily
- Plastic wadded cap
- CE marked in accordance with the European Directive 98/79/EC



## Sterilin Polystyrene Jars, Screw Cap

Description	Material Base/Cap	O.D. x H	Sterility	Case Qty.	Cat. No.
30mL	PS/UREA	35 x 48mm	NS	200	28308
120mL	PS/UREA	54 x 72mm	NS	100	28381
230mL	PS/UREA	69 x 82mm	NS	100	28423
350mL	PS/UREA	80 x 90mm	NS	100	28464

# Sterilin Double Bagged Polystyrene Containers

Sterilin Double Bagged Polystyrene Containers are ideal for use in hospital rooms and other such sterile areas



## Product highlights

- CE Marked
- Sterile

## Details

- Each container is double-wrapped with two 'easy tear' bags within a bulk outer liner bag
- Sterilised by gamma irradiation
- Every unit contains an irradiation dot as assurance of sterility and batch details for full traceability
- Leak-tested in accordance with BS EN 14254 Annexe D
- *In vitro* use only
- CE marked in accordance with the European Directive 98/79/EC

## Method of Use

- The procedure for use is as follows
  - Each container is supplied double wrapped and irradiated within an outer liner bag
  - An irradiation dot is affixed to each sealed bag confirming complete sterility
  - The unit is first taken out of the liner bag in the carton
  - The outermost of the two sealed bags can be opened in the non-sterile environment by carefully tearing along the line as directed
  - The inner bag can easily be pulled out of the outer bag by staff within the sterile operating area ensuring a 'sterile' transfer from one area to the next
  - The container can then be removed from the second sealed bag within the sterile field



## Sterilin Double Bagged Polystyrene Containers

Description	Label	Material Base/Cap	O.D. x H	Sterility	Case Qty.	Cat. No.
30mL, plastic cap	Printed	PS/PE	31.0 x 94.0mm	IRR	150	128DB/IRR
100mL, plastic cap	Printed	PS/PP	51.0 x 78.0mm	IRR	80	185DB/IRR
250mL, metal cap	Printed	PS/ME	65.5 x 119.5mm	IRR	40	190DB/IRR

This product is subject to a minimum order quantity. Please contact customer service for details.

# Sterilin Non-pyrogenic Polystyrene Containers

Sterilin Non-pyrogenic Polystyrene Sample Containers are suitable for sterility and endotoxin testing



## Product highlights

- Sterile
- Endotoxin-free

## Details

- Leak-tested in accordance with BS EN 14254 Annexe D
- Lot number on each container aids full traceability
- Sterilised by gamma irradiation
- Certified endotoxin free to levels <0.01EU/mL



## Sterilin Non-pyrogenic Polystyrene Containers

Description	Label	Material Base/Cap	O.D. x H	Sterility	Case Qty.	Cat. No.
7mL, plastic cap	Printed	PS/PE	22.5 x 50.2mm	IRR	700	129PYR
30mL, plastic cap	Printed	PS/PE	31.0 x 94.0mm	IRR	400	128PYR
60mL, metal cap	Printed	PS/ME	44.5 x 61.0mm	IRR	300	125PYR
100mL, metal cap	Printed	PS/ME	49.5 x 77.0mm	IRR	200	185PYR
150mL, metal cap	Printed	PS/ME	55.0 x 108.0mm	IRR	120	165PYR
250mL, metal cap	Printed	PS/ME	65.5 x 119.5mm	IRR	50	190PYR

This product is subject to a minimum order quantity. Please contact Customer Service for details.

# Sterilin Containers, Polypropylene Universal, 30mL

Sterilin Universal Polypropylene Containers offer excellent temperature and chemical resistance



## Product highlights

- CE Marked
- Aseptic
- 95kPa\*
- Centrifugation

## Details

- Manufactured from ultra clear polypropylene
- Leak-tested in accordance with BS EN 14254 Annexe D
- 95kPa compliance\* ensures leak-free performance and suitability for transport
- Suitable for centrifugation at 9,500 × g
- Excellent temperature and chemical resistance
- Multi-seal 'QuickStart' cap for improved handling and unrivaled leak-free performance
- Lot number printed on each container to aid full traceability
- Labeled for patient details and available either undosed, dosed with boric acid preservative (0.4g) or a loose spoon
- Supplied in convenient shelf packs of 50
- Aseptically manufactured
- CE marked in accordance with the European Directive 98/79/EC



\* 95kPa compliance testing was carried out at ambient temperature

## Sterilin Containers, Polypropylene Universal, 30mL

Description	Label	Material Base/Cap	O.D. x H	Sterility	Case Qty.	Cat. No.
Universal Container	No	PP/PE	31 × 94mm	AS	400	128A/P
Universal Container	Printed	PP/PE	31 × 94mm	AS	400	128B/P
Universal Container	Plain	PP/PE	31 × 94mm	AS	400	128C/P
Universal Container + Boric Acid	Printed	PP/PE	31 × 94mm	AS	400	128BBAC/P

Note: Also available in polystyrene.

# Sterilin Dippas

Sterilin Dippas facilitate sample collection and subsequent transportation to the laboratory in a single container limiting the risk of cross-contamination



## Product highlights

- Sterile

## Details

- Individually wrapped and sterilised by gamma irradiation
- Leak-tested in accordance with BS EN 14254 Annexe D

## Polystyrene

- Available in either clear or blue polystyrene
- Handle neatly snaps off after sample collection for ease of transportation
- A choice of handle length to accommodate the majority of sampling applications



## Sterilin Dippas

Description	Capacity	Material base/cap	Handle length	Sterility	Colour	Case qty.	Cat. No.
<b>Polystyrene</b>							
Dippa, screw cap	30mL	PS/PE	191mm	IRR	Clear	50	191-17
Dippa, screw cap	30mL	PS/PE	191mm	IRR	Blue	50	191BLUE
Dippa, screw cap	100mL	PS/ME	383mm	IRR	Clear	100	194IW
Dippa, screw cap	100mL	PS/ME	383mm	IRR	Blue	100	194IWBLUE
Dippa, screw cap	250mL	PS/ME	334mm	IRR	Clear	50	192-17
Dippa, screw cap	250mL	PS/ME	334mm	IRR	Blue	50	192BLUE

# General laboratory products



## Sterilin BenchGuard

Sterilin BenchGuard is highly absorbent paper ideal for protecting benches and other surfaces against liquid spills

### Details

- Choice of absorption capacity — 400mL/m<sup>2</sup> or 800mL/m<sup>2</sup>
- One side plastic coated to prevent soak through
- Available in roll or sheet form
- Rolls supplied in easy-to-use dispenser packs



### Ordering Information

Not available in all geographic regions

### Sterilin BenchGuard

Description	Adsorption	Length x width	Pack type	Cat. No.
BenchGuard	400mL/m <sup>2</sup>	50.0 × 0.49m	1 x Roll	BG50
BenchGuard	400mL/m <sup>2</sup>	0.60 × 0.49m	100 x Sheets	BG60/100
BenchGuard Extra	800mL/m <sup>2</sup>	50.0 × 0.49m	1 x Roll	BG50E
BenchGuard Extra	800mL/m <sup>2</sup>	0.60 × 0.49m	50 x Sheets	BG60E

# Sterilin Cuvettes



Sterilin Cuvettes are suitable for use with most spectrophotometers for water analysis or chemistry and life science applications

## Details

- Choice of material: optical quality polystyrene for use at visible wavelengths (340 to 900nm) or optical quality acrylic (PMMA) for use at ultraviolet wavelengths (300 to 900nm)
- Each case contains Cuvettes from the same mold cavity to ensure minimal dimensional variation
- Standard absorption variation between Cuvettes is better than  $\pm 0.005$  absorbency units
- Two sizes available — semi-micro Cuvette and macro Cuvette
- Standard pathlength of 10mm
- Frosted sides on the Cuvette provide an ideal labelling and handling area
- Recessed windows reduce the risk of scratching during use
- For ease of use an arrow feature indicates the direction of light transmission
- Packed in expanded polystyrene (EPS) foam trays for optimum protection ensuring scratchfree product at the time of use
- Supplied non-sterile



**Notes:** Cuvettes should not be used for long-term storage of samples. When using Hydrochloric acid, as the instrument can come under attack from the acid fumes, it is recommended that you use sealing film on the Cuvette.

## Sterilin Cuvettes

Description	Capacity	Material	Window WxH	Sterility	Inner pack qty	Case Qty.	Cat. No.
Macro Cuvette	2.5 to 4.5mL	PS	10.0 × 32.5mm	NS	100	500	221M
Semi-micro Cuvette	1.5 to 3.0mL	PS	4.5 × 22.0mm	NS	100	500	221S
Macro Cuvette	2.5 to 4.5mL	PMMA	10.0 × 32.5mm	NS	100	500	222M
Semi-micro	1.5 to 3.0mL	PMMA	4.5 × 22.0mm	NS	100	500	222S

# Sterilin Loops and Spreaders

Sterilin Loops and Spreaders provide a range of features ideal for use with cultures on plated media

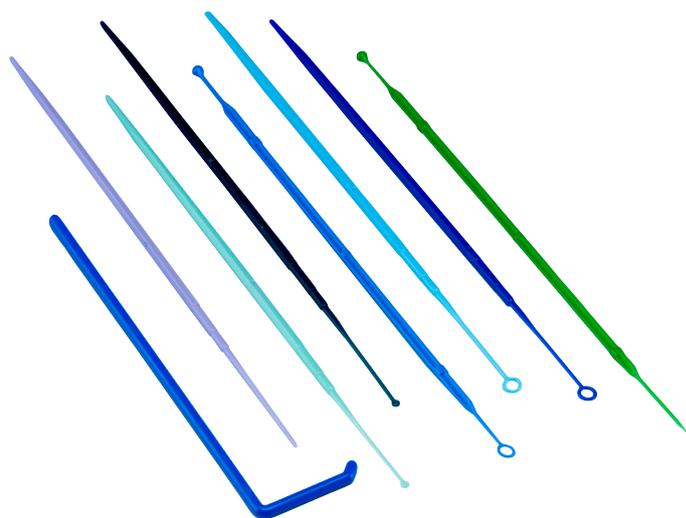


## Product highlights

- Sterile

## Details

- For inoculation, dilution streaking, spreading and picking isolated colonies
- Eliminate the need for flaming and the subsequent risk of aerosols
- Inoculation loop for fixed sample volumes with choice of sphere for dilution streaking, or needle for picking colonies and stab cultures
- Choice of rigid or flexible loops to suit different applications and user preferences
- Hexagonal shaft improves grip and assists orientation
- Free of lubricants, oils and electrostatic charges to facilitate consistent wetting and complete liquid transfer
- No rough edges means smooth, problem-free plating and streaking of cultures
- Sterilised by gamma irradiation



## Sterilin Cuvettes

Description	Volume	Colour	Sterility	Inner pack qty	Case Qty.	Cat. No.
Loop with needle, hard	1µL	Dark green	IRR	10	800	SL1H
Loop with needle, soft	1µL	Pale green	IRR	10	800	SL1S
Loop with needle, hard	10µL	Dark blue	IRR	10	800	SL10H
Loop with needle, soft	10µL	Pale blue	IRR	10	800	SL10S
Loop with sphere	1µL	Green	IRR	20	1,000	QL1
Loop with sphere	10µL	Blue	IRR	20	1,000	QL10
Inoculation needle, 198mm	—	Violet	IRR	20	1,000	SN20
L-shaped spreader	—	Blue	IRR	1	500	SPCS01
L-shaped spreader	—	Blue	IRR	5	1,000	SPCS05

# Sterilin Pipette Tips

Sterilin Pipette Tips are available in many different styles



## Product highlights

- Autoclavable

## Details

- Manufactured from virgin polypropylene and metal-free pigments
- High translucency for excellent visibility of sample
- Hydrophobic surface to minimise fluid retention
- Precision molded for clean delivery
- Supplied non-sterile and autoclavable at 121°C
- Supplied bulk packed, an economical choice for the busy laboratory



## Sterilin Pipette Tips

Description	Volume	Sterility	Packaging	Inner pack qty	Case Qty.	Cat. No.
Clear	0.5 to 10 $\mu$ L	NS	Bulk	1,000	2,000	BCT10
Clear	0.5 to 10 $\mu$ L	NS	Bulk	1,000	2,000	BCT20
Yellow	5 to 200 $\mu$ L	NS	Bulk	1,000	2,000	BCT25
Yellow	5 to 200 $\mu$ L	NS	Bulk	1,000	2,000	BCT30
Blue	100 to 1,000 $\mu$ L	NS	Bulk	1,000	1,000	BCT70
Clear	1000 to 5,000 $\mu$ L	NS	Bulk	250	1,000	BCT100

# Sterilin Weighing Boats

Sterilin Weighing Boats, with radiused corners, allow the formation of a funnel for easy pouring and complete sample transfer



## Details

- Manufactured from high impact polystyrene
- Hydrophobic surface ensures no absorption of water from atmosphere or sample
- Available in black or white to ensure suitability for different coloured sample materials
- Anti-static range alleviates issues with powder hang-up
- Flat base for a secure, firm rest on the balance pan
- Supplied non-sterile



## Sterilin Weighing Boats

Description	Type	Capacity	Dimensions	Colour	Sterile	Inner pack qty	Case Qty.	Cat. No.
<b>Diamond</b>								
White, small	Standard	5mL	55 x 30mm	White	NS	250	500	WB30311
White, medium	Standard	30mL	80 x 60mm	White	NS	250	500	WB30314
White, large	Standard	100mL	120 x 100mm	White	NS	250	500	WB30317
Black, small	Standard	5mL	55 x 30mm	Black	NS	250	500	WB30312
Black, medium	Standard	30mL	80 x 60mm	Black	NS	250	500	WB30315
Black, large	Standard	100mL	120 x 100mm	Black	NS	250	500	WB30318
White, small	Anti-Static	5mL	55 x 30mm	White	NS	250	500	WB30331
White, medium	Anti-Static	30mL	80 x 60mm	White	NS	250	500	WB30334
White, large	Anti-Static	100mL	120 x 100mm	White	NS	250	500	WB30337
Black, small	Anti-Static	5mL	55 x 30mm	Black	NS	250	500	WB30332
Black, medium	Anti-Static	30mL	80 x 60mm	Black	NS	250	500	WB30335
Black, large	Anti-Static	100mL	120 x 100mm	Black	NS	250	500	WB30338
<b>Square</b>								
White, small	Standard	7mL	44 x 44mm	White	NS	250	500	WB30205
White, medium	Standard	100mL	80 x 80mm	White	NS	250	500	WB30254
White, large	Standard	250mL	140 x 140mm	White	NS	250	500	WB30304
Black, small	Standard	7mL	44 x 44mm	Black	NS	250	500	WB30206
Black, medium	Standard	100mL	80 x 80mm	Black	NS	250	500	WB30255
Black, large	Standard	250mL	140 x 140mm	Black	NS	250	500	WB30305
White, small	Anti-Static	7mL	44 x 44mm	White	NS	250	500	WB30321
White, medium	Anti-Static	100mL	80 x 80mm	White	NS	250	500	WB30324
White, large	Anti-Static	250mL	140 x 140mm	White	NS	250	500	WB30327
Black, small	Anti-Static	7mL	44 x 44mm	Black	NS	250	500	WB30322
Black, medium	Anti-Static	100mL	80 x 80mm	Black	NS	250	500	WB30325
Black, large	Anti-Static	250mL	140 x 140mm	Black	NS	250	500	WB30328

## Sterilin Pipette Bulbs

Sterilin Pipette Bulbs are ideal for use with glass Pasteur pipettes



### Details

- Ideal for use with glass Pasteur pipettes
- Manufactured from natural rubber
- Volume drawn up: 0.22cm<sup>3</sup>
- Latex-free
- Supplied non-sterile



### Sterilin Pipette Bulbs

Description	Inner pack qty	Cat. No.
No. 10 Teat	100	TET0102

## Sterilin Cones

Cones are for mounting filter funnels into Büchner flasks

### Details

- Set of six cones
- Manufactured from natural rubber
- For mounting filter funnels into Büchner flasks
- Also suitable for mounting Gooch crucibles onto adapters
- Supplied non-sterile



### Sterilin Cones

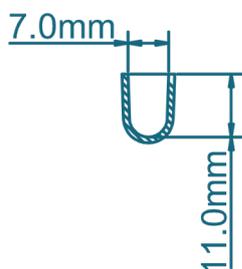
Description	Cat. No.
Set of 6 cones	CON0006

# Microtiter plates



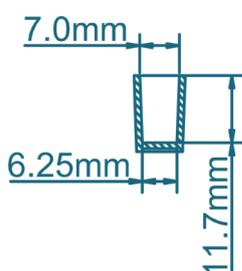
When selecting the type of microtiter plate required for a particular application, please use the table below for guidance

**Ordering Information:** Not available in all geographic regions



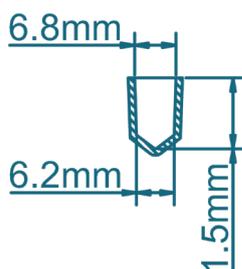
## 'U' Well

- Improves washing in ELISAs
- Enhances sensitivity in fluorescent applications
- Facilitates observation of agglutination reactions



## Flat Well

- Provides optimal optical characteristics for polystyrene plates
- Suitable for reagent injection reactions



## 'V' Well

- Ideal profile for centrifugation and sedimentation

Application	Type of Plate
DNA Libraries	Polystyrene, sterile with lid
High throughput screening of new and novel compounds	All types
EIA	Polystyrene
Luminescence	Polystyrene, white
Scintillation†	Polystyrene, white
Fluorescence	Polystyrene, black

†With scintillation applications it is recommended to use polystyrene-friendly scintillation mixtures

# Sterilin Microtiter Plates, Clear

Sterilin Microtiter Plates are 96-well plates used for serology work, microbiology screening, EIA/absorbance assays, sample storage and transport



## Product highlights

- Sterile

## Details

- Manufactured from virgin polystyrene, giving excellent optical clarity
- Aseptically manufactured plates receive no surface treatment, and therefore provide a medium binding surface
- Irradiation process for the sterile plates makes the surface more hydrophilic, therefore generating a high binding product
- Suitable for use at a wavelength of 340nm
- Condensation rings on the lid, together with raised well rims on the base, help minimize the risk of contamination from surrounding wells
- Orientation corners and alphanumeric labeling ensure easy sample identification
- Frosted write-on area on end wall of plate for clear identification
- Hanging well design ensures even temperature distribution around each well
- The plates are supplied without a lid (can be purchased separately)
- In vitro use only
- Certifications: CE marked in accordance with the European Directive 98/79/EC



## Sterilin Pipette Tips

Description	Well capacity	Material	Lid	Sterility	Inner pack qty	Case Qty.	Cat. No.
U bottom	330µL	PS	No	NS	5	50	611U96
V bottom	310µL	PS	No	NS	5	50	611V96
Flat bottom	400µL	PS	No	NS	5	50	611F96
U bottom	330µL	PS	No	IRR	1	50	612U96
V bottom	310µL	PS	No	IRR	1	50	612V96
Flat bottom	400µL	PS	No	IRR	1	50	612F96
Lid for Microtiter plate	—	PS	Yes	IRR	1	50	642000

# Sterilin Microtiter Plates, Black and White

Sterilin black 96-well plates are for fluorescence work, and white plates are for bioluminescence studies



## Product highlights

- SBS

## Details

- Black 96-well plates are ideal for fluorescence work where the black pigment prevents 'cross-talk' between the wells — the low background fluorescence minimizes light scattering
- White 96-well plates are ideal for bioluminescence studies where the pigment aids reflectivity and sensitivity
- SBS compliant, ensuring suitable fit with all automation
- Manufactured from virgin polystyrene
- Supplied non-sterile, providing a medium binding surface
- Chimney well design to help reduce contamination



**Note:** Supplied without a lid; if required, the 642000 lid is a suitable fit.

## Sterilin Microtiter Plates, Black and White

Description	Well capacity	Material	Lid	Sterility	Inner pack qty	Case Qty.	Cat. No.
Black 96-well plate, Flat bottom	400µL	PS	No	NS	5	50	611F96BK
White 96-well plate, Flat bottom	400µL	PS	No	NS	5	50	611F96WT

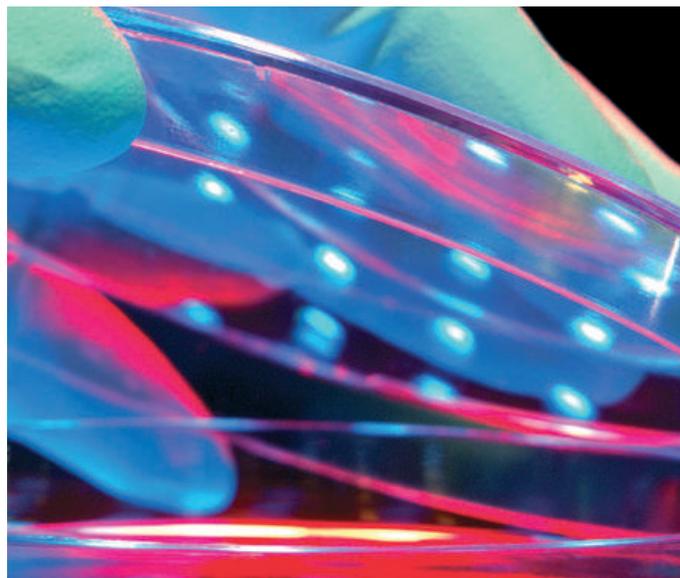
# Petri dishes



## Technical data

Thermo Scientific Sterilin 90, 140 and 100mm square Petri dishes are manufactured in accordance with standard EN ISO 24998:2008. Stringent dimensional controls ensure suitability with most automatic plate pourers

Basic criteria with associated benefits are outlined in table below



Specifications	Benefit
Free from discoloration and weld marks	Good optical quality
Consistent dimensions without rough edges	Will fit plate pourers, safe to use
Minimum vent height	Adequate gas flow, consistent results
Rigidity to resist excessive deformation when handled	No distortion in use
Must not distort at 60°C	Pour with hot agar
Must resist fracture up to 19.61N	Reduced risk of breakage
Stability – incline stack to 12°	Safe and easy to use
Free from loose particles greater than 100µL in diameter	No false positives when using automatic colony counters
Manufacture must be aseptic means or the product must be terminally sterilised	Assured level of sterility
All packaging must be clearly marked with the manufacturer's mark, EN ISO 24998:2008 and "in vitro use only"	Visible indication of compliance

# Sterilin Petri Dishes, 30 to 140mm



Sterilin Petri Dishes come in a range of sizes, from 30 to 140mm, to suit most applications

## Product highlights

- Aseptic

## Details

- Smaller sizes are ideal for use when savings in incubator space are required
- 55mm dish accommodates 47mm membrane filters making it suitable for water testing
- 50mm deep form dish (Cat. No. 124) is over 20mm deep and designed for use with liquid media to aid handling
- 140mm dish is produced and tested in accordance with the ISO 24998:2008 Petri dish standard which includes stringent dimensional controls
- Aseptically manufactured



## Sterilin Petri Dishes, 30 to 140mm

Description	Vents	Base OD x OH (mm)	Sterility	Inner pack qty	Case Qty.	Cat. No.
Petri dish, 30mm	Triple	35.0 x 11.0	AS	10	800	121V
Petri dish, 50mm	Single	52.0 x 14.5	AS	10	700	122-17
Petri dish, 50mm, deep form	Single	50.0 x 20.3	AS	20	500	124-17
Petri dish, 55mm	None	55.5 x 12.0	AS	15	1,620	PF55
Petri dish, 55mm	Six	55.5 x 12.0	AS	15	1,620	PF55V
Petri dish, 60mm	Single	60.0 x 15.1	AS	10	540	123-17
Petri dish, 140mm	Triple	138.9 x 21.1	AS	10	80	501V

# Sterilin Standard Petri Dishes, 90mm

Sterilin Standard 90mm Petri Dishes are used by microbiologists to culture microorganisms on solid media



## Product highlights

- Aseptic
- ISO

## Details

- Ideal for use in automatic plate pourers
- Manufactured from noncytotoxic virgin polystyrene
- Mirror finished molds ensure high optical clarity
- Available either aseptically manufactured or terminally sterilized by gamma irradiation
- Available in single, triple and nonvented formats
  - Triple vented — aids gaseous exchange; ideally suited for short-term work
  - Single vented — limits gaseous exchange, minimizes evaporation and dehydration; ideally suited for long-term work
  - Nonvented — most suitable for anaerobic and long-term work
- Shallow dish is ideal for maximizing incubator space
- Produced and tested in accordance with the ISO 24998:2008 Petri dish standard which includes stringent dimensional controls



## Sterilin Standard Petri Dishes, 90mm

Description	Vents	Base OD x OH	Sterility	Inner pack qty	Case Qty.	Cat. No.
Petri dish, 90mm	Single	89.42 x 15.9 mm	AS	20	500	101R20
Petri dish, 90mm	Single	89.42 x 15.9 mm	IRR	20	500	101/IRR
Petri dish, 90mm	Triple	89.42 x 16.1 mm	AS	20	500	101VR20
Petri dish, 90mm	Triple	89.42 x 16.1 mm	IRR	20	500	101V/IRR
Petri dish, 90mm	None	89.42 x 15.7 mm	AS	20	500	101RT/C
Petri dish, 90mm	None	89.42 x 15.7 mm	IRR	20	500	101RT/IRR
Petri dish, 90mm, shallow	Triple	88.00 x 14.1 mm	AS	20	600	90032-17

# Sterilin Petri Dishes, Specials

Sterilin Special Petri Dishes offer an alternative for nonstandard applications



## Product highlights

- Aseptic
- ISO

## Details

- Aseptically manufactured
- 90mm dishes tested in accordance with ISO 24998:2008 standard

## Coloured Dishes, 90mm

- Aids differentiation, especially suitable for identification of group work within teaching laboratories
- Manufactured using cadmium-free, noncytotoxic colourants

## Compartmented Dish, 90mm

- Ideal for use with different media or when savings in incubator space is required
- Single frosted locator mark where division meets outer wall for use in automated pouring machines

## Square Dishes, 100mm

- Noncompartmentalised are ideal for antibiotic sensitivity testing
- Compartmentalised (25 x 5mL) are ideal for small volume media or for sample storage
- Compartmentalised dish features selectable venting or nonventing lid



## Sterilin Petri Dishes, Specials

Description	Vents	Base OD x OH	Sterility	Inner pack qty	Case Qty.	Cat. No.
Amber Petri Dish, 90mm	Triple	89.25 x 16.2 mm	AS	20	500	101VAMB <sup>†</sup>
Blue Petri Dish, 90mm	Triple	89.25 x 16.2mm	AS	20	500	101VBLUE <sup>†</sup>
Red Petri Dish, 90mm	Triple	89.25 x 16.2mm	AS	20	500	101VRED <sup>†</sup>
Petri Dish, 2 compartment, 90mm	Triple	89.25 x 16.2mm	AS	20	500	502VF
Square Petri Dish, 25 compartment, 100mm	Selectable	101.0 x 20.8mm	AS	4	120	103-17
Square Petri Dish, 100mm	None	101.0 x 20.8mm	AS	4	120	109-17

<sup>†</sup> This product is subject to a minimum order quantity. Please contact Customer Service for details.

# Sterilin Contact Plate, 55mm

Sterilin Contact Plate Petri Dishes are ideal for use in routine hygiene monitoring of surfaces



## Product highlights

- Aseptic

## Details

- Domed base design aids media adhesion
- Triple vented — aids gaseous exchange
- Numbered grid on the base — facilitates colony counting
- Deep skirted base — aids stability when stacked
- Aseptically manufactured
- 25cm<sup>2</sup> surface area — conforms to both the Institute of Environmental Sciences (IES, 1993) and the International Pharmaceutical Federation (I.P.F., 1990) Standards



## Sterilin Contact Plate, 55mm

Description	Vents	Base OD x OH	Sterility	Inner pack qty	Case Qty.	Cat. No.
55mm Contact Plate	Triple	67 x 10.4mm	AS	10	300	504-17

# Pipettes



## Sterilin Pipettes, Transfer, Plastic

Sterilin Plastic Transfer Pipettes are ideal for transferring liquids safely

### Details

- Manufactured from nontoxic low density polyethylene
- Integral filling bulb eliminates contamination associated with separate rubber bulbs
- Excellent transparency and uniform thickness
- Precise graduations on 1 and 3mL versions ensuring consistent results
- Can be heat sealed for sample storage and transportation
- Heat sealed bulbs suitable for storage in the gas phase of liquid nitrogen
- **3mL graduated:** suitable for blood banking and general laboratory use
- **Narrow stem:** suitable for use as a freeze vial, sedimentation and transport
- **1mL graduated:** suitable for general laboratory use, storage and transportation of samples

**Ordering Information:** Available in UK only



### Sterilin Pipettes, Transfer, Plastic

Description	Sterility	Shelf pack qty.	Case Qty.	Cat. No.
1mL, graduated	NS	500	3,000	201C
1mL, graduated	ETO	10	500	PP88SA
1mL, graduated	ETO	1	500	PP88SB
3mL, graduated	NS	500	3,000	200C
3mL, graduated	ETO	10	500	PP89SA
3mL, graduated	ETO	1	500	PP89SB
Narrow stem	NS	500	3,000	202C

## Sterilin Plugged Pipettes, Glass Individual Paper Peel Packaging



Sterilin Plugged Pipettes are manufactured in chemically resistant Pyrex borosilicate glass and wrapped individually in paper peel packaging

### Details

- Calibrated for delivery with the last drop expelled by blowing
- Easy-to-read graduations
- Sterilised by gamma irradiation



### Sterilin Plugged Pipettes, Glass Individual Paper Peel Packaging

Capacity	Negative graduations	Overall length	Sterility	Shelf pack qty.	Case qty.	Cat. No.
1mL	-0.2mL	290mm	IRR	1	800	7077-1N
2mL	-0.2mL	290mm	IRR	1	720	7077-2N
5mL	-1.0mL	290mm	IRR	1	720	7077-5N
10mL	-2.0mL	290mm	IRR	1	600	7077-10N

## Sterilin Glass Pipettes, Bulk Packed

Sterilin Glass Pipettes are manufactured in chemically resistant Pyrex borosilicate glass and bulk packed

### Details

- Bulk packed in easy-to-handle shelf packs
- Calibrated for delivery with the last drop expelled by blowing
- Available either plugged or unplugged
- Easy-to-read graduations



### Sterilin Glass Pipettes, Bulk Packed

Capacity	Negative graduations	Overall length	Sterility	Shelf pack qty.	Case qty.	Cat. No.
<b>Plugged</b>						
1.0mL	-0.2mL	290mm	IRR	50	1,000	7078-1CN
2.0mL	-0.2mL	290mm	IRR	35	700	7078-2N
5.0mL	-1.0mL	290mm	IRR	30	960	7078-5N
10.0mL	-2.0mL	290mm	IRR	20	720	7078-10N
<b>Unplugged</b>						
1.0mL	-0.2mL	290mm	NS	50	1,000	7079-1N
2.0mL	-0.2mL	290mm	NS	35	700	7079-2N
5.0mL	-1.0mL	290mm	NS	30	960	7079-5N
10.0mL	-0.2mL	290mm	NS	30	720	7079-10N

# Swabs

## Flocked swabs technical data



The invention of the Flocked Swabs (by Copan Italia) presents a revolution in sample collection and a major breakthrough in the development of automation in microbiology laboratories by providing samples in a liquid phase.

### How does the flocked swab work?

Traditional fibre-tipped swabs are made from a compact fibre matrix – Rayon, Dacron or Cotton – that is formed into the shape of the swab tip.

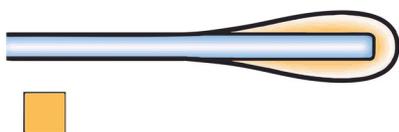
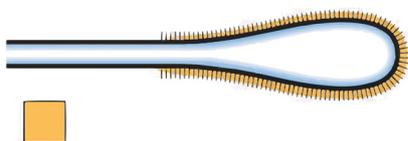
Due to the complex network of interwoven fibres, once the sample is collected, much of the sample will remain trapped within the fiber network unable to be released. With particularly small samples this could mean that all of the sample may remain within the swab tip, prohibiting subsequent sample analysis, resulting in both the loss of time and results.

To help rectify this situation the flocked swab utilizes nylon fibre spray on technology, whereby short strands of nylon are propelled at high velocity onto the plastic-molded swab tip. This forms a high density perpendicular flocked pile. The resulting brush-like effect allows the efficient collection of both cellular and liquid samples. Due to the depth of the flocked pile, the sample collected always lies close to the swab surface at all times, enabling efficient sample release.



### Ordering Information

Available in UK only



**Flocked Swab**  
Large volume of liquid sample stays close to the surface and elutes out rapidly and spontaneously

# Sterilin E-Swab and Transport System

The Sterilin E-Swab and Transport System features a pre-labelled tube with 1mL liquid amies medium and flocked swab



Ideal for the collection and transport of clinical specimens containing aerobes, anaerobes, fastidious bacteria, viruses and Chlamydia. Can be processed using standard laboratory procedures for bacterial culture and molecular detection of bacteria, viruses and Chlamydia.

## Product Highlights

- CE Marked
- Sterile
- M40 Compliant

## Details

- 1mL medium enables multi-test analysis
- Ideal for automated processing systems
- The flocked swab improves both sample collection and release
- Complies with NCCLS40-A standard. Maintains the viability of of aerobes, anaerobes and fastidious bacteria for up to 48 hours at room temperature
- E-Swab MRSA kits contain multiple swabs for ease of sample collection and processing
- Free of enzymes and inhibitors that may interfere with nucleic acid amplification assays
- Supplied sterile by irradiation
- In vitro use only
- CE marked as Class IIa in accordance with the Medical Device Directive 93/42/EEC (for transient invasive use)

**Note:** All swabs manufactured by Copan Italia



## Sterilin E-Swab and Transport System

Description	Applicator / Tip	Sterility	Case qty.	Cat. No.
Liquid amies, regular flocked swab	Plastic/Nylon fibre	IRR	50	480CE
Liquid amies, minitip flocked swab	Plastic/Nylon fibre	IRR	50	481CE
Liquid amies, pernasal flocked swab	Plastic/Nylon fibre	IRR	50	482CE
Liquid amies, urethral flocked swab	Plastic/Nylon fibre	IRR	50	483CE
Liquid amies, pediatric flocked swab	Plastic/Nylon fibre	IRR	50	484CE
e-Swab MRSA kit - liquid amies, 2 x regular flocked swab for use with automation	Plastic/Nylon fibre	IRR	50	493CE02
e-Swab MRSA kit - liquid amies, 3 x regular flocked swab for use with automation	Plastic/Nylon fibre	IRR	50	493CE03
Liquid amies, regular flocked swab, for automation	Plastic/Nylon fibre	IRR	50	490CE.A

# Swab, Fecal

Fecal Swabs are designed for the collection, transportation and preservation of fecal samples



## Product Highlights

- CE Marked
- Sterile

## Details

- Ideally suited for either automation or standard culture
- Capture cap design facilitates plating during manual bacterial culture
- Transport medium is semi-liquid Cary Blair — suitable for the transport of enteric bacteria
- Aids easy and speedy patient diagnosis
- CE marked as Class IIa in accordance with the Medical Device Directive 93/42/EEC (for transient invasive use)



## Swabs, Fecal

Description	Applicator / Tip	Sterility	Case qty.	Cat. No.
2mL Cary Blair + regular flocced swab	Plastic/Nylon fibre	IRR	300	470CE.A

# Swabs, UTM (Universal Transport Medium)



UTM (Universal Transport Medium) Swabs are ideal for the collection, transport, maintenance and frozen storage of Viruses, Chlamydia, Mycoplasma and Ureaplasma.

Suitable for cell culture, Rapid Antigen Detection, DFA, EIA, PCR and nucleic acid amplification assays

## Product Highlights

- CE Marked
- Sterile



## Details

- Room temperature stable and incorporates a cryoprotectant
- Formulation includes antibiotics to inhibit bacterial and fungal flora in patient samples
- Free-standing polypropylene skirted tube with conical base enabling convenient sample preparation — simply vortex and inoculate direct into tissue culture
- Available as filled tubes with a choice of separate individually wrapped swabs or a collection kit with the swab included
- Glass beads in the tube help with the release and dispersion of the patient sample from the swab
- All swabs feature molded breakpoint to enable safe, reliable breaking of the swab into the tube — enables the regular swab to be captured by the cap as it is replaced on the tube
- CE marked as Class IIa in accordance with the Medical Device Directive 93/42/EEC (for transient invasive use)

## Swabs, UTM (Universal Transport Medium)

Description	Applicator / Tip	Sterility	Case qty.	Cat. No.
Collection kit, 3mL medium, nasopharyngeal flocked swab	Plastic/Nylon	IRR	50	305C
Collection kit, 3mL medium, regular dacron swab	Plastic/Nylon	AS/IRR	50	328C
Bulk tubes, 3mL medium	—	AS	50	330C
Collection kit, 3mL medium, regular flocked swab	Plastic/Nylon	AS/IRR	50	346C
Collection kit, 3mL medium, neonatal flocked swab	Plastic/Nylon	AS/IRR	300	347C
Bulk tubes, 1mL medium	—	AS	50	350C
1mL medium, regular flocked swab	Plastic/Nylon	AS/IRR	50	359C
1mL medium, nasopharyngeal flocked swab	Plastic/Nylon	IRR	50	360C
1mL medium, minitip flocked swab	Plastic/Nylon	IRR	50	361C

# Swabs, Flocked Plain

Plain Flocked Swabs utilize innovative nylon fiber technology that provide outstanding sample collection and release



## Product Highlights

- CE Marked
- Sterile
- RNase/DNase-free
- Human DNA-free

- PCR compatible for molecular analysis
  - Manufactured from completely inert components
  - Certified RNase/DNase-free
  - For forensic purposes product is available certified human DNA free and with a molded breakpoint so that it can be easily broken into a 2mL collection vial

## Details

Sample release from the flocked swab is at least 95% compared with 25% with a regular fiber swab, which is critical if the sample to be collected is particularly small.

- Available either in a paper peel pouch or in a plain dry tube
- CE marked as Class IIa in accordance with the Medical Device Directive 93/42/EEC (for transient invasive use)



## Swabs, Flocked Plain

Description	Breakpoint	Applicator / Tip	Sterility	Case qty.	Cat. No.
<b>Flocked Swabs – Individually wrapped in paper peel pouch</b>					
Minitip Nylon flocked swab	80mm	Plastic/Nylon	IRR	100	501CS01
Regular Nylon flocked swab	80mm	—	IRR	100	502CS01
Regular Nylon flocked swab	30mm	Plastic/Nylon	IRR	100	520CS01
Flexible nasopharyngeal minitip Nylon flocked swab	80mm	Plastic/Nylon	IRR	100	503CS01
Endocervical Nylon flocked swab	80mm	—	IRR	50	511CS01
Neonatal minitip Nylon flocked swab	80mm	Plastic/Nylon	IRR	100	516CS01
<b>Flocked Swabs – Individually wrapped in plain dry tube</b>					
Minitip Nylon flocked swab	80mm	Plastic/Nylon	EO	100	551C
Regular Nylon flocked swab	80mm	Plastic/Nylon	EO	100	552C
Flexible nasopharyngeal minitip Nylon flocked swab	80mm	Plastic/Nylon	EO	100	553C
Neonatal minitip Nylon flocked swab	80mm	Plastic/Nylon	EO	100	516C
<b>Molecular Swabs – Certified human DNA free</b>					
Regular flocked swab	20mm	Plastic/Nylon	EO	1000	4520CS01
Regular flocked swab, 2mL tube	20mm	Plastic/Nylon	EO	600	4520CA
Regular flocked swab, tube with evaporation duct	20mm	Plastic/Nylon	EO	600	4520CF



## Fibre swabs technical data

### Swabs, Applicator Type

Depending on the area of the body where the sample is taken, one applicator may be more relevant than others.

- Plastic shaft (polystyrene), inert nontoxic material
- Twisted wire shaft due to its flexibility is designed specifically for nasopharyngeal sampling
- Aluminum shaft is generally used for ear, nose, eye and male urethral sampling

### Swabs, Tip Material

- Viscose (Rayon) – a derivative of cellulose and nontoxic to organisms
- Polyester (Dacron) – a synthetic fibre. Essential for use with PCR or similar DNA tests where the DNA of viscose could interfere with the results

### Swabs, Transport Medium

- As there is often a delay between sampling and the subsequent analysis, medium is added to preserve (not inhibit or enhance) the microorganism that may be present on the swab
- Due to the broad spectrum use of swabs and differing environmental requirements, it is important that the transport medium is suitable for all microorganisms
- Amies is the most common medium and is ideal for general purpose use
- The transport media can be in gel or liquid form

#### a) Gel or Liquid

- Gel is generally good for general sampling and processing needs
- Liquid medium is ideal for automated processing requirements

#### b) Charcoal or Without Charcoal

- The property of charcoal is to absorb pollutants and other substances that could be toxic to bacteria
- Advised for use with difficult bacteria, particularly *Neisseria gonorrhoea*

### Swabs, Packaging

#### a) Venturi Design

- The gel transport swabs have been carefully designed and engineered to provide superior swab performance
- A carefully engineered neck constriction and molded fins create a deliberate Venturi effect when the swab is introduced
- The Venturi action works to immediately surround and seal in the swab tip, eliminating any bubbles, cracks and breaks that would normally occur in the agar, protecting bacteria from the harmful effects of atmospheric oxygen

#### b) Unique Swab Packaging System

- Unique packaging for transport swabs combines an outer foil pack and an inner plastic pouch
- The outer foil bag serves to reduce evaporation and dehydration of the media while also protecting the product from harmful effects of sunlight
- The inner plastic pouch has notable benefits over traditional porous paper-plastic film packaging
  - Totally waterproof, protecting the product from accidental contamination
  - Prevents evaporation and dehydration, keeping the transport medium fresh until the moment the product is opened for maximum bacterial recovery
  - Airtight to prevent oxygen penetration and subsequent media oxidation
  - Simpler to recycle than traditional paper and plastic packaging and therefore more likely to be disposed of in the correct way

# Swabs



## Fibre swabs technical data, cont.

### Depending Swabs, M40

The culture swab is one of the most widely used devices for the transport and collection of patient specimens. The key to accurate diagnosis lies with the collection and maintenance of the initial patient sample where the organisms collected need to be kept alive until processed in the laboratory. To help improve overall patient care it was recognized that there should be a minimum acceptable performance for all swabs – as such, the M40 standard was formulated. The basic criteria of the standard are as follows:

- Must cover all extremes of the microbiology spectrum from aerobes to anaerobes and fastidious bacteria – all organisms under all conditions
- Compliant at room temperature +70°F (21°C) and +39°F (4°C)
- Length of time for bacterial survival – 48 hours
- Performance must be the same throughout the shelf life

The M40 swabs comply with the new NCCLS M40-A and German DIN 58942-A performance standards.

# Swabs, Gel Transport

Transport Swabs are primary sample collection and transport device for bacteria



## Product Highlights

- CE Marked
- Sterile
- M40 Compliant

## Details

- PCR Contains media for the maintenance of bacterial sample during transport to the laboratory
- In vitro use only
- Each batch of product is tested for performance using a wide range of aerobic and anaerobic pathogens to ensure adequate recoveries
- Certificate of Sterility and Quality Assurance is available on request
- Lot number/expiry date and tamper-evident tube ensure complete traceability and sterility

## Transport, M40

- PCR Complies with American NCCLS M40-A and the German DIN 58942-4 standards
- Extended length of time for bacterial survival — 48 hours (minimum)
- Wider temperature range — comparable performance at both room temperature and 4°C
- CE marked as Class IIa in accordance with the Medical Device Directive 93/42/EEC (for transient invasive use)



## Swabs, Gel Transport

Media	Applicator / Tip	Cap colour	Use	Sterility	Inner pack qty.	Shelf pack qty.	Case qty.	Cat. No.
<b>Standard Transport Swabs</b>								
Amies	Plastic/Rayon	Blue	Throat, vagina, wound and skin	IRR	1	50	500	108C.USE
Amies w/ charcoal	Plastic/Rayon	Black	Throat, vagina, wound and urogenital	IRR	1	50	500	114C.USE
Amies	Aluminum/Rayon	Orange	Pediatric or urethral	IRR	1	50	500	110C.USE
Amies w/ charcoal	Aluminum/Rayon	Orange	Urogenital	IRR	1	50	500	116C.USE
Amies	Twisted wire/Rayon	Blue	Pernasal	IRR	1	50	500	190C.USE
Amies w/ charcoal	Twisted wire/Rayon	Blue	Pernasal	IRR	1	50	500	192C.USE
Stuart agar	Plastic/Rayon	Blue	General purpose	IRR	1	50	500	111C.USE
<b>M40 Transport Swabs</b>								
Amies	Plastic/Rayon	Red	General purpose	IRR	1	50	500	408C
Amies w/ charcoal	Plastic/Rayon	Black	Urogenital	IRR	1	50	500	414C

# Swabs, Plain

Plain Swabs are supplied in either a peel pouch or in a tube for ease of handling and transportation



## Product Highlights

- CE Marked
- Sterile

**Notes:** Must be processed as soon as possible after sampling (ideally within two-hour period) to avoid dehydration of the sample and possible non-recovery of pathogens

## Details

- Primary sample collection device for bacteria
- Colour-coded caps for ease of identification
- CE marked as Class IIa in accordance with the Medical Device Directive 93/42/EEC (for transient invasive use)



## Sterilin Swabs, Plain

Applicator / Tip	Cap colour	Use	Sterility	Inner pack qty.	Case qty.	Cat. No.
<b>Swabs in tube</b>						
Wood/Cotton	Red	General purpose	IRR	1	100	150C
Plastic/Rayon	White	General purpose	IRR	1	100	155C
Aluminum/Rayon	Orange	Ear, nose, vaginal or urethral	IRR	1	100	160C
Twisted wire/Rayon	Blue	Pernasal and nasopharyngeal	IRR	1	100	168C
Plastic/Cotton, Vegetal protein coated	Yellow	Vegetal protein coating reduces overgrowth	IRR	1	100	451C
Wood/Cotton, Charcoal coated	Black	Charcoal neutralises inhibitory effects of cotton	IRR	1	100	152C
<b>Swabs in peel pouch</b>						
Wood/Cotton	N/A	General purpose	EO	1	1,000	165KS01
Wood/Cotton	N/A	General purpose	IRR	100	2,500	165KS100

# Swabs, Environmental

Environmental Swabs are for environmental sampling, particularly in the food and pharmaceutical industries



## Product Highlights

- Sterile

## Details

- Available in easy-to-use kit format consisting of a sealed tube with neutralizing buffer/capped swab and sampling template
- Sterile sampling templates 10 x 10cm (100cm<sup>2</sup>) enable accurate calculation of colony forming units per cm<sup>2</sup>
- Alginate tipped swabs (903C) dissolve fully to ensure complete delivery of microbial sample into the solution



## Method of use

- Peel open the pouch and remove the sampling swab
- Swab the test site. If the surface is dry pre-moisten the swab in the rinse solution provided. If a template is being used swab the designated area
- After sampling, break the swab applicator into the tube of solution (if using the Alginate tip, the swab will dissolve)
- Transport back to the laboratory as soon as possible
- Plate the required dilution into the appropriate media, preferably within 4 hours of swabbing. Where this is not possible, refrigerate at 4°C and analyze within 24 hours of swabbing
- To calculate the number of colony-forming units per cm<sup>2</sup> (CFU/cm<sup>2</sup>) when using the 10 x 10cm template use the following: (number of colonies x volume of rinse solution x serial dilution (if necessary))/100
- Used in environmental monitoring situations, the solution constituents are:
  - Ringers balanced salt solution
  - Tween 80\*
  - Lecithin
  - Sodium Thiosulphate
  - Sodium Thioglycollate
  - Sodium Disulphate
  - Sodium Pyruvate
  - Sodium Hexametaphosphate

## Sterilin Swabs, Environmental

Description	Shaft length	Applicator Material	Sterility	Inner pack qty.	Case qty.	Cat. No.
10mL solution, separate swab, Dacron tip	13cm	PS	IRR	1	25	902C
10mL solution, separate swab, large Rayon tip	13cm	PS	IRR	1	25	904C
10mL solution, integral Dacron tip swab	9cm	PS	IRR	1	50	922C
10mL solution, integral Dacron tip swab	9cm	PS	IRR	50	50	926C
Square sampling kit, 902C with square sampling template	13cm	PS	IRR	1	10	905C
Plastic square sampling template 10 x 10cm			IRR	5	50	T2905C



## Technical data

### Temperature Range

The service temperature range of Sterilin silicone products is within the region of -50°C to +200°C.

### Gas Permeability

For gas sensitive fluids, particularly solutions that need to be protected from oxidation, or from anaerobic cell cultures, users should consider the tubing's permeability. Silicone is generally the most gas permeable material. Silicone would not be recommended for use in applications involving rapid decompression.

### Effects of the Environment

Silicone is not affected by extremes of weather (e.g., hot, cold, dry, wet, or humidity). It also has excellent resistance to UV and ozone degradation.

### Cleanroom Environments

Silicone is suitable for use in most cleanroom environments. As a cured or non-cured polymer, it does not support microbial growth.

### Storage and Shelf-life

Finished tubing and other silicone products can be kept indefinitely when stored at normal ambient conditions.

### Curing

Curing (vulcanization) is essentially the transformation of the polymer into a cross-linked rubber. There are two key methods to cure silicone; peroxide catalyzed or platinum-cured (addition cure).

### Peroxide or Platinum?

Peroxide-cured tubing was initially popular as a low cost alternative to platinum-cured tubing within the bio-pharmaceutical industry. Although the post cure process removes harmful peroxide residues, it is now largely being phased out due to the perceived presence of these peroxide by-products formed during the curing process. Platinum catalyzed curing produces no undesirable by-products and as such it is now the silicone tube of choice for bio-pharmaceutical applications.

Platinum-cured tubing does have significant benefits over peroxide-cured material:

- Smoother inner surface resulting in less protein binding

- Fewer potential leachables
- No contaminating by-products formed during curing (peroxide residues)
- Superior clarity

### Food Applications

Silicone is considered a very safe polymer with virtually no toxic effects in most environments. It has the advantage of being a low taint, nontoxic material and can therefore be used in contact with food.

### Laser Etched Silicone Tubing

Utilises the latest in laser etching capabilities; a CO<sup>2</sup> laser with resonator technology. This guarantees a near perfect beam in both near and far field, which can be clearly focused to the smallest achievable spot. The laser etching is performed in line immediately following the extrusion of the silicone tubing.

Laser-etching batch information directly on to the product itself provides some significant advantages over the alternatives:

- Complete and instant traceability, eliminates time-consuming administration matching batch codes with product
- Significantly reduces the opportunity for human error
- Permanently marks with no smudging
- No risk of toxicity
- Clarity even when the character size is small

### Disposal of Silicone

Cured or un-cured silicone is not considered as hazardous waste and can therefore be disposed of in accordance with local waste disposal regulations. Silicone cannot be recycled.

### Ordering Information

Additional sizes available. Please contact Customer Service for more details. Not available in all geographic regions.

# Sterilin Silicone Stoppers

Sterilin Silicone Stoppers are suitable for use over a wide temperature range: -50°C to +200°C



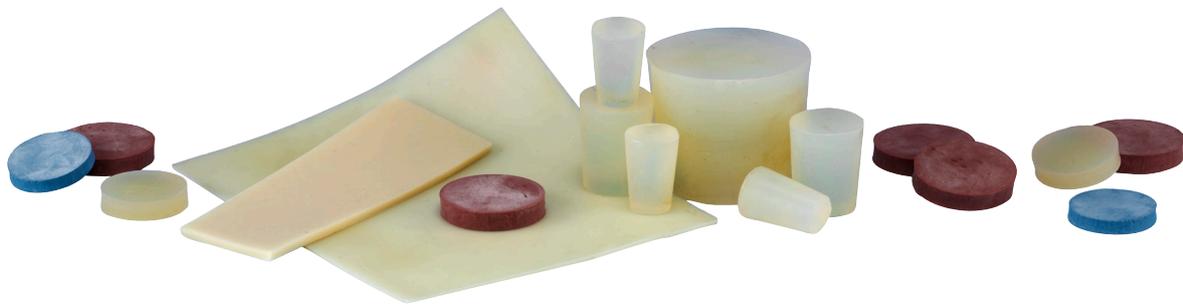
## Product Highlights

- Autoclavable

## Details

- Suitable for sealing glass and plastic flasks
- Ideal for use with biological solutions
- Suitable for use over a wide temperature range: -50°C to +200°C

- Autoclavable
- Supplied non-sterile
- European Pharmacopoeia EUIII — July 1987; FDA CFR 177.2600 Food Contact



## Sterilin Silicone Stoppers

B.S. Stopper	Top Dia.	Base Dia.	Length	Pack Qty.	Cat. No.
10mm	12.5mm	10.0mm	20.0mm	10	TSRBGE010
11mm	14.0mm	11.0mm	24.0mm	10	TSRBGE011
13mm	16.0mm	13.0mm	24.0mm	10	TSRBGE013
15mm	18.0mm	15.0mm	24.0mm	10	TSRBGE015
19mm	22.5mm	19.0mm	28.0mm	10	TSRBGE019
21mm	24.5mm	21.0mm	28.0mm	1	TSRBGE021
23mm	26.5mm	23.0mm	28.0mm	1	TSRBGE023

# Sterilin Silicone Tubing

Sterilin Silicone Tubing is high quality and nontoxic for medical, pharmaceutical and food applications

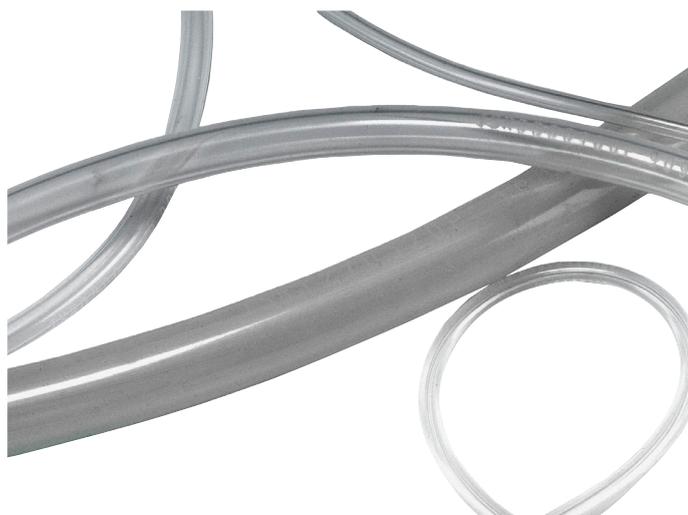


## Product Highlights

- Autoclavable
- Aseptic

## Details

- Laser etched batch code for ease of traceability
- Ideal for use with peristaltic pumps
- Can be autoclaved or dry heat sterilized
- 15m length
- Aseptically manufactured



## Sterilin Silicone Tubing

Bore	Wall Thickness	Outside Dia.	Cat. No.
0.5mm	0.25mm	1.0mm	TSR0050025P
0.5mm	0.5mm	1.5mm	TSR0050050P
0.5mm	1.6mm	3.7mm	TSR0050160P
0.8mm	1.7mm	4.2mm	TSR0080170P
1.0mm	0.5mm	2.0mm	TSR0100050P
1.0mm	1.0mm	3.0mm	TSR0100100P
1.0mm	2.0mm	5.0mm	TSR0100200P
1.5mm	0.5mm	2.5mm	TSR0150050P
1.5mm	1.0mm	3.5mm	TSR0150100P
1.5mm	1.5mm	4.5mm	TSR0150150P
2.0mm	0.5mm	3.0mm	TSR0200050P
2.0mm	1.0mm	4.0mm	TSR0200100P
2.0mm	1.2mm	4.5mm	TSR0200125P
2.5mm	0.8mm	4.1mm	TSR0250080P
2.5mm	1.0mm	4.5mm	TSR0250100P
3.0mm	2.0mm	7.0mm	TSR0300200P
3.2mm	0.8mm	4.8mm	TSR0320080P
3.2mm	1.0mm	5.2mm	TSR0320100P
3.2mm	1.6mm	6.4mm	TSR0320160P
4.0mm	1.0mm	6.0mm	TSR0400100P
4.0mm	1.6mm	7.2mm	TSR0400160P
4.0mm	2.0mm	8.0mm	TSR0400200P
4.5mm	1.6mm	7.7mm	TSR0450160P
4.7mm	1.6mm	7.95mm	TSR0475160P
5.0mm	1.0mm	7.0mm	TSR0500100P

## Sterilin Silicone Tubing cont.

Bore	Wall Thickness	Outside Dia.	Cat. No.
5.0mm	1.6mm	8.2mm	TSR0500160P
5.5mm	2.5mm	10.5mm	TSR0550250P
6.0mm	1.75mm	9.5mm	TSR0600175P
6.0mm	2.0mm	10.0mm	TSR0600200P
6.0mm	4.0mm	14.0mm	TSR0600400P
6.3mm	1.6mm	9.5mm	TSR0630160P
6.3mm	2.5mm	11.3mm	TSR0630250P
6.3mm	3.2mm	12.7mm	TSR0630320P
7.5mm	1.5mm	10.5mm	TSR0750150P
8.0mm	1.6mm	11.2mm	TSR0800160P
8.0mm	2.0mm	12.0mm	TSR0800200P
8.0mm	3.2mm	14.4mm	TSR0800320P
8.0mm	4.0mm	16.0mm	TSR0800400P
8.0mm	5.0mm	18.0mm	TSR0800500P
8.5mm	4.0mm	16.5mm	TSR0850400P
9.0mm	2.5mm	14.0mm	TSR0900250P
9.0mm	3.2mm	15.4mm	TSR0900320P
9.0mm	4.0mm	17.0mm	TSR0900400P
9.5mm	3.2mm	15.9mm	TSR0950320P
10.0mm	2.0mm	14.0mm	TSR1000200P
10.0mm	3.0mm	16.0mm	TSR1000300P
12.7mm	3.2mm	19.1mm	TSR1270320P
16.0mm	3.2mm	22.4mm	TSR1600320P
19.0mm	3.2mm	25.4mm	TSR1900320P

# Tubes and vials



## Sterilin Scintillation Vial, 20mL and 6mL Insert

Sterilin Scintillation Vial and insert are ideal for use in liquid scintillation counting, beta/gamma counting and for sample storage

### Details

- Precision manufactured for strength and chemical resistance
- Quarter turn screw cap ensures excellent sample containment
- 6mL vial with flush fitting cap is ideal as insert for 20mL scintillation vials



### Sterilin Scintillation Vial, 20mL and 6mL Insert

Description	Volume	Material Base/Cap	O.D. x H	Sterility	Inner Pack Qty.	Case Qty.	Cat. No.
Scintillation vial and cap	20mL	PE/PE	26.5 x 60mm	NS	1,000	1,000	S31
Scintillation vial insert and cap	6mL	PP/PE	14.5 x 58mm	NS	250	1,000	505

## Sterilin Microcentrifuge Tubes, 1.5mL

Sterilin Microcentrifuge Tubes are able to withstand autoclaving, boiling, freezing and high-speed centrifugation

### Product Highlights

- Centrifugation

### Details

- Recommended maximum RCF 20,000 x g in suitably balanced rotors
- Manufactured from robust transparent polypropylene
- Graduations at 0.5, 1.0 and 1.5mL
- Supplied non-sterile



### Sterilin Microcentrifuge Tubes, 1.5mL

Description	O.D. x H	Material	Sterility	Inner Pack Qty.	Case Qty.	Cat. No.
Microcentrifuge tube	11 x 41mm	PP	NS	500	10,000	2150N

## Sterilin Centrifuge Tubes, 13.5mL

Sterilin Centrifuge Tubes offer a wide range of 13.5mL Centrifuge Tubes for various applications



### Details

- Manufactured from virgin polystyrene
- Recommended RCF 3,200 x g in suitably balanced rotors
- Molded graduation marks at 5 and 10mL
- Leakproof cap
- Available as both round or conical base



### Sterilin Centrifuge Tubes, 13.5mL

Description	Material base/cap	O.D. x H	Sterility	Case Qty.	Cat. No.
Conical base tube, non-wadded white cap	PS/PE	16 x 110mm	AS	450	144AS
Conical base tube, wadded red cap	PS/PE	16 x 110mm	AS	450	36100
Round base tube, non-wadded white cap	PS/PE	16 x 100mm	AS	450	142AS
Round base tube, wadded red cap	PS/PE	16 x 100mm	AS	450	142ASR

## Sterilin Tubes, Round Base, Soda Glass

Sterilin Round Base Soda Glass Tubes are suitable for small volume sampling

### Details

- Provides greater chemical resistance than plastic
- Test tube profile with rim
- Supplied without caps
- Supplied non-sterile



### Sterilin Tubes, Round Base, Soda Glass

Description	O.D. x H	Material	Sterility	Inner Pack Qty.	Case Qty.	Cat. No.
5mL tube	12 x 75mm	G	NS	250	1,000	49635

# Sterilin Tubes, Round Base, Borosilicate Glass, Rimless



Sterilin Round Base, Rimless Borosilicate Glass Tubes are ideal for use with samples sensitive to leaching from plastic tubes

## Product Highlights

- Autoclavable

## Details

- Manufactured from Pyrex borosilicate glass
- High resistance to temperature and chemical attack
- Tube profile rimless
- Supplied without caps
- Autoclavable at 121°C
- Supplied non-sterile



## Sterilin Tubes, Round Base, Borosilicate Glass, Rimless

Description	O.D. x H	Sterility	Inner Pack Qty.	Case Qty.	Cat. No.
4mL tube	10 x 75mm	NS	250	1,000	99445-10
6mL tube	12 x 75mm	NS	250	1,000	99445-12
10mL tube	13 x 100mm	NS	250	1,000	99445-13
11mL tube	15 x 85mm	NS	250	1,000	99445-15
15mL tube	16 x 100mm	NS	250	1,000	99445-16
19mL tube	16 x 125mm	NS	250	1,000	99445-16X
23mL tube	16 x 150mm	NS	250	1,000	99445-16XX
28.5mL tube	18 x 150mm	NS	250	500	99445-18
36mL tube	20 x 150mm	NS	250	500	99445-20

# Sterilin Tubes Borosilicate Glass, Culture

Sterilin Culture Tubes are manufactured from Pyrex borosilicate glass, featuring a screw neck



## Product Highlights

- Autoclavable

## Details

- High resistance to temperature and chemical attack
- Ideal for use with samples sensitive to leaching from plastic tubes
- Tube profile screw thread, culture
- Supplied without caps; autoclavable caps available separately
- Autoclavable at 121°C
- Supplied non-sterile



## Sterilin Tubes Borosilicate Glass, Culture

Description	Capacity	O.D. x H	Sterility	Inner Pack Qty.	Case Qty.	Cat. No.
Round bottom tube	7.5mL	13 x 100mm	NS	250	1,000	99449-13
Round bottom tube	11.5mL	16 x 100mm	NS	250	1,000	99449-16
Round bottom tube	15.0mL	16 x 125mm	NS	250	1,000	99449-16X
Round bottom tube	19.0mL	16 x 150mm	NS	250	1,000	99449-16XX
Round bottom tube	24.0mL	20 x 125mm	NS	250	500	99449-20
Round bottom tube	30.0mL	20 x 150mm	NS	250	500	99449-20X
Flat base tube	17.0mL	16 x 125mm	NS	250	1,000	99448-16
Flat base tube	29.5mL	20 x 145mm	NS	250	500	99448-19

## Caps to fit Glass Tubes

Description	Liner	Case Qty.	Cat. No.
13mm screw cap with rubber liner (autoclavable)	Rubber	1,000	99999-13
16mm screw cap with rubber liner (autoclavable)	Rubber	1,000	99999-15
20mm screw cap with rubber liner (autoclavable)	Rubber	1,000	99999-18
13mm screw cap with PTFE liner (autoclavable)	PTFE	288	9998-13
16mm screw cap with PTFE liner (autoclavable)	PTFE	288	9998-15
20mm screw cap with PTFE liner (autoclavable)	PTFE	192	9998-18

## Sterilin Tubes, Plastic, Round Base

Sterilin Round Base Tubes provide a safe and convenient alternative to glass



### Details

- High Manufactured from virgin polystyrene
- Suitable for samples ranging from 0.6 to 11mL
- Supplied non-sterile



### Sterilin Tubes, Plastic, Round Base

Description	O.D. x H	Material	Sterility	Inner Pack Qty.	Case Qty.	Cat. No.
0.6mL tube	6 × 40mm	PS	NS	1,000	10,000	RT15
4.9mL tube, LP4	12 × 75mm	PS	NS	250	3,000	343923
11.0mL tube, LP6	16 × 95mm	PS	NS	750	750	30932

## Sterilin Tubes, Plastic, Screw Cap

Sterilin Tubes supplied with polyethylene screw caps

### Product Highlights

- CE Marked

### Details

- Manufactured from either:
  - Virgin polystyrene with flat base
  - Chemically resistant polypropylene with a skirted base
- Suitable for samples ranging from 5 to 10mL
- Available labeled for sample identification
- Supplied non-sterile
- CE marked in accordance with the European Directive 98/79/EC



### Sterilin Tubes, Plastic, Screw Cap

Description	O.D. x H	Label	Material tube/cap	Sterility	Case Qty.	Cat. No.
5mL Tube	17.0 × 54.5mm	None	PS/PE	NS	1,000	Z5PSNL
10mL Tube	17.0 × 100mm	Printed	PS/PE	NS	500	Z10PS
10mL Tube	17.0 × 100mm	None	PS/PE	NS	500	Z10PSNL
10mL Tube, with skirt	17.5 × 96mm	Printed	PP/PE	NS	500	Z10PE
10mL Tube, with skirt	17.5 × 96mm	None	PP/PE	NS	500	Z10PENL

# Sterilin Water Sampling Bottles



Sterilin Water Sampling Bottles are the convenient way of sampling both chlorinated and nonchlorinated water for microbiological analysis

## Product Highlights

- Sterile

## Details

- Available manufactured using:
  - Flexible polystyrene
  - Lightweight PET for improved handling
- Empty or pre-dosed with sodium thiosulphate
- Polystyrene bottles feature colour-coded labels to aid differentiation samples:
  - Blue — dosed; Green — undosed
- PET bottles feature colour-coded caps to aid differentiation:
  - Blue — dosed; White — undosed
- Tamper-evident cap for sample integrity
- Lot number for complete traceability
- Sterilised by gamma irradiation

- Dose level 20mg/L: Suitable for neutralizing water samples with a low concentration of chlorine
- Dose level 120mg/L: Suitable for neutralizing water samples with a high concentration of chlorine
- CE marked in accordance with the European Directive 98/79/EC



## Sterilin Tubes, Plastic, Round Base

Description	Capacity	Dose Level	Sterility	Case Qty.	Cat. No.
<b>Polystyrene sampling bottles</b>					
Bottle, undosed	500mL	N/A	IRR	70	500WSCNT
Bottle, dosed	500mL	20mg/L	IRR	70	500WSC
<b>PET sampling bottles</b>					
Bottle, undosed	350mL	N/A	IRR	144	WSC350/NT
Bottle, dosed	350mL	20mg/L	IRR	144	WSC350-20
Bottle, dosed	350mL	120mg/L	IRR	144	WSC350
Bottle, Rectangular, undosed	500mL	N/A	IRR	144	WSC500T/NT
Bottle, Rectangular, dosed	500mL	20mg/L	IRR	144	WSC500T-20
Bottle, Rectangular, dosed	500mL	120mg/L	IRR	144	WSC500T
Bottle, Square, undosed	500mL	N/A	IRR	108	WSC500/NT
Bottle, Square, dosed	500mL	20mg/L	IRR	108	WSC500-20
Bottle, Square, dosed	500mL	120mg/L	IRR	108	WSC500
Bottle, undosed	1,000mL	N/A	IRR	70	WSC1000/NT
Bottle, dosed	1,000mL	20mg/L	IRR	70	WSC1000-20
Bottle, dosed	1,000mL	120mg/L	IRR	70	WSC1000

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Find out more at [thermofisher.com/sterilin](https://thermofisher.com/sterilin)

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