



Thermo Scientific
Sterilin Single-Use Laboratory Plastics

Quality and Reliability

for microbiology

Thermo
SCIENTIFIC

Introduction

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

Quality

Thermo Scientific Sterilin single-use products are manufactured at the Thermo Fisher ISO 9001:2008-registered facility in Newport, South Wales. Our commitment to continuous product improvement ensures that every item is made to the highest possible quality and 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 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 and as a responsible manufacturer, Thermo Fisher Scientific takes great care 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. Thermo Fisher uses gamma irradiation for the sterilization of products which are complex to manufacture under aseptic conditions. These include Sterilin pipettes and swabs. Products that have been subjected to sterilization via irradiation are usually denoted by a red indicator on the packaging.

About Thermo Fisher Scientific

Thermo Fisher Scientific Inc. is the world leader in serving science. Our mission is to enable our customers to make the world healthier, cleaner and safer. With revenues of \$17 billion, we have approximately 50,000 employees and serve customers within pharmaceutical and biotech companies, hospitals and clinical diagnostic labs, universities, research institutions and government agencies, as well as in environmental and process control industries. We create value for our key stakeholders through three premier brands, Thermo Scientific, Fisher Scientific and Unity Lab Services, which offer a unique combination of innovative technologies, convenient purchasing options and a single solution for laboratory operations management. Our products and services help our customers solve complex analytical challenges, improve patient diagnostics and increase laboratory productivity.

Visit www.thermofisher.com.

Contact Information

Please direct your technical and availability inquiries to your local distributor. For additional information please contact us at UKNEWcustomerservices@thermofisher.com or by calling our Customer Service team at **+44 (0) 844 8443737**.

▶ Table of Contents



PAGE 8

Thermo Scientific Sterilin sample containers provide secure, leak-free sample collection.



PAGE 23

Thermo Scientific Sterilin BenchGuard minimizes the effects of liquid spills on the benchtop.

Bags 4

Containers 7

General Laboratory Products 22

Microtiter Plates 30

Petri Dishes 34

Pipettes 40

Swabs 46

Silicone Products 56

Tubes and Vials 61

Water Sampling 69

Thermo Scientific Sterilin Petri Dishes are ideal for microbial culture.

PAGE 36



Thermo Scientific Sterilin E-swabs are perfect for automated processing.

PAGE 47



Abbreviations

ABS	Acrylonitrile Butadiene Styrene
ACS	Acrylonitrilystyrene 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 www.thermoscientific.com/trademarks.

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

Trademarks	Trademark Owner
Copan	Copan Italia
Dacron	E.I. duPont de Nemours
Eppendorf	Eppendorf AG
Gilson	Gilson, Inc.
Pyrex	Corning
Sterilin	Thermo Fisher Scientific
Thermo Fisher Scientific	Thermo Fisher Scientific
Thermo Scientific	Thermo Fisher Scientific
Tween 80	ICI Americas



CE

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

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
 ■ Limited resistance, moderate attack, product can be used for brief mixing and measuring
 ■ Poor resistance, product becomes unstable on contact with chemical

TL Translucent
C 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

	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 ₂	3	4.4	20	3	0.8
Gas Permeability CO ₂	75	92	280	45	4.5
Gas Permeability O ₂	15	28	60	10	1.1
Water Absorption %	0.05	<0.02	<0.01	<0.01	<0.1

mm cm³/cm² sec (cm Hg) x 10¹⁰

Key to abbreviations

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

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	5
Homogenizer Bags	6

- 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 sterilized 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[†]
- 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

[†] 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

Ordering Information: Not available in all geographic regions

Autoclavable

Sterilin Autoclave Bags

Cat. No.	Description	Width x Length	Material	Max. Temperature	Case Qty.
509	Autoclave Bags	305 × 660mm	HDPE	121°C	200
509L	Autoclave Bags	406 × 610mm	HDPE	121°C	200
510	Autoclave Bags	305 × 660mm	HDPE	121°C	500
510L	Autoclave Bags	406 × 610mm	HDPE	121°C	500
511	Autoclave Bags	610 × 810mm	HDPE	121°C	200
509HT	Autoclave Bags	305 × 660mm	PP	135°C	200
510HT	Autoclave Bags	305 × 660mm	PP	135°C	500
509LHT	Autoclave Bags	406 × 610mm	PP	135°C	200
510LHT	Autoclave Bags	406 × 610mm	PP	135°C	500
511HT	Autoclave Bags	610 × 810mm	PP	135°C	200
S23E	Coated wire holder for 511 bags	—	Coated Wire	—	1
S23B	Cardboard holder for 511 bags	—	Cardboard	—	10
S23C	Coated wire holder for 509 and 510 bags	—	Coated Wire	—	1

▶ Thermo Scientific Sterilin Homogenizer Bags



Sterile

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

details

- Suitable for use in all leading homogenizer 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

Ordering Information: Not available in all geographic regions

Sterilin Homogenizer Bags

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



containers



Technical Data	8
Disposable Polystyrene	9-13, 16-17
Mucus Extractor	15
Disposable Polypropylene	18-19
Dippas	20
Disposable Glass	21

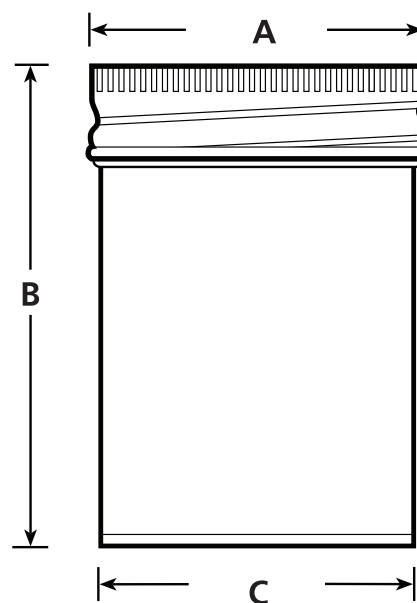
containers

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 in 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.



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
40mL Container, PP	34.0	70.0	30.0
60mL Container, Plastic Cap, PS	35.0	61.0	39.2
60mL Container, Metal Cap, PS	44.5	61.0	39.2
60mL Container, Plastic Cap, PP	39.0	70.0	34.0
100mL Container, Plastic Cap, PS	51.0	78.0	44.0
100mL Container, Metal Cap, PS	49.5	77.0	44.0
125mL Container, Plastic Cap, PP	61.0	74.0	51.0
150mL Container, Metal Cap, PS	55.0	108.0	48.0
180mL Container, Plastic Cap, PP	61.0	102.0	51.0
250mL Container, Metal Cap, PS	65.5	119.5	58.0
250mL Container, Metal Cap, PP	65.0	118.0	58.0



► Thermo Scientific Sterilin Polystyrene Containers, 7mL Bijou



CE

Aseptic

Centrifugation

Sterilin Polystyrene Containers are ideal for small volume samples.

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

Ordering Information: Not available in all geographic regions

Certifications: CE marked in accordance with the European Directive 98/79/EC

Sterilin Polystyrene Containers, 7mL Bijou

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

► Thermo Scientific Sterilin 'Quickstart' Universal Polystyrene Containers, 30mL



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

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

Ordering Information: Not available in all geographic regions

Certifications: CE marked in accordance with the European Directive 98/79/EC

NEW

CE

Aseptic

95kPa

Centrifugation

Sterilin 'Quickstart' Universal Polystyrene Containers, 30mL

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

Note: Also available in polypropylene, see page 18.

New QuickStart cap ensures excellent leak-free performance.



► Thermo Scientific Sterilin Polystyrene Universal Containers, 30mL



CE

Aseptic

95kPa

Centrifugation

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

details

- Leak-tested in accordance with BS EN 14254 Annexe 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)
- 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

Ordering Information: Not available in all geographic regions

Certifications: CE marked in accordance with the European Directive 98/79/EC

Sterilin Polystyrene Universal Containers, 30mL

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

† 95kPa Compliant

► Thermo Scientific Sterilin Polystyrene Urine Tubes



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

details

Primary Urine Tubes

- Eliminate the need for decanting in the laboratory
- Labeled 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

Ordering Information: Not available in all geographic regions

Certifications: CE marked in accordance with the European Directive 98/79/EC

NEW

CE

Aseptic

95kPa

Centrifugation

Sterilin Polystyrene Urine Tubes

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

► Thermo Scientific Sterilin Polystyrene Containers, 60 to 250mL



Sterilin Polystyrene Containers are ideal for sample containment.

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 ensuring suitability for sample transport
- Aseptically manufactured
- *In vitro* use only

Ordering Information: Not available in all geographic regions

Certifications: CE marked in accordance with the European Directive 98/79/EC

CE

95kPa

Aseptic

Sterilin Polystyrene Containers, 60 to 250mL

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

† 95kPa compliant

► Thermo Scientific Sterilin Polystyrene Jars, Screw Cap



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

details

- Available in both sterile (sterilized by gamma irradiation) and non-sterile formats
- Suitable for direct transfer of specimen from patient to jar
- Product supplied unlabeled
- Wide neck enables large specimens to be stored easily
- Plastic wadded cap

Ordering Information: Not available in all geographic regions

CE

Sterilin Polystyrene Jars, Screw Cap

Cat. No.	Description	Material Base/Cap	O.D. x H	Sterility	Case Qty.
28308	30mL	PS/UREA	35 × 48mm	NS	200
28381	120mL	PS/UREA	54 × 72mm	NS	100
28423	230mL	PS/UREA	69 × 82mm	NS	100
28464	350mL	PS/UREA	80 × 90mm	NS	100
28480	350mL	PS/UREA	80 × 90mm	IRR	100

► Thermo Scientific Sterilin Mucus Extractor



CE

Sterile

Centrifugation

Sterilin mucus extractors are used for obtaining a mucus specimen for microbiological examination.

Also suitable for the aspiration of secretions from the oropharynx in newborn babies to assist trouble-free respiration.

details

- Funnel-shaped adapter at the proximal end of the suction tube for simple and secured connection
- Leak-tested in accordance with BS EN 14254 Annexe D
- Additional cap is included which provides a 95kPa-compliant seal for safe leak-free transportation
- Suitable for centrifugation at 3,800 x g
- Sterilized by gamma irradiation
- Supplied in an individual peel pouch which indicates sterility, lot number and expiry date for complete traceability
- *In vitro* use only

Method of Use

- Remove blue dust cap and place smooth coned section in the infant's throat area
- Apply suction via the yellow cone end using either a pump system or manual suction to retrieve mucus sample
- When sufficient sample is obtained, remove cap and tube assembly and replace with spare container cap supplied

Ordering Information: Not available in all geographic regions

Certifications: CE marked in accordance with the European Directive 93/42/EEC

Sterilin Mucus Extractor

Cat. No.	Description	Capacity	Label	Sterility	Inner Pack Qty.	Case Qty.
MP52	Mucus extractor	30mL	Printed	IRR	1	100

► Thermo Scientific Sterilin Double Bagged Polystyrene Containers



CE

Sterile

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

details

- Each container is double-wrapped with two 'easy tear' bags within a bulk outer liner bag
- Sterilized 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

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

Ordering Information: Not available in all geographic regions

Certifications: CE marked in accordance with the European Directive 98/79/EC

Sterilin Double Bagged Polystyrene Containers

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

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

► Thermo Scientific Sterilin Non-pyrogenic Polystyrene Containers



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

details

- Leak-tested in accordance with BS EN 14254 Annexe D
- Lot number on each container aids full traceability
- Sterilized by gamma irradiation

Ordering Information: Not available in all geographic regions

Certifications: Certified endotoxin free to levels <0.01EU/m

Sterile

Endotoxin-free

Sterilin Non-pyrogenic Polystyrene Containers

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

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

► Thermo Scientific Sterilin Containers, Polypropylene Universal, 30mL



CE

Aseptic

95kPa

Centrifugation

Sterilin Universal Polypropylene Containers offer excellent temperature and chemical resistance.

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 $9,500 \times g$
- 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

Ordering Information: Not available in all geographic regions

Certifications: CE marked in accordance with the European Directive 98/79/EC

Sterilin Containers, Polypropylene Universal, 30mL

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

Note: Also available in polystyrene, see page 10.

► Thermo Scientific Sterilin Containers, Disposable Polypropylene



Sterilin Disposable Polypropylene Containers are designed for a wide range of sampling applications.

details

- Manufactured from shatterproof polypropylene for maximum safety
- 193A -Metal flow-seal cap for leak-free performance
- Hinged lid 100mL product also available — can be autoclaved at 121°C with lid open and has a frosted writing area for sample identification
- Aseptically manufactured

Ordering Information: Not available in all geographic regions

Aseptic

Autoclavable

Sterilin Containers, Disposable Polypropylene

Cat. No.	Color Base/Cap	Label	Material	O.D. x H	Sterility	Case
Containers, Polypropylene, 60mL w/Screw Cap						
LXP60/P	Clear/White	None	PP/PE	39.0 × 70.0mm	AS	700
Containers, Polypropylene, 125mL w/Screw Cap						
LXP125/P	Clear/White	None	PP/PE	61.0 × 74.0mm	AS	380
Containers, Polypropylene, 180mL w/Screw Cap						
LXP180/P	Clear/White	None	PP/PE	61.0 × 102.0mm	AS	264
LXPB180	Blue/Blue	None	PP/PE	61.0 × 102.0mm	AS	264
Containers, Polypropylene, 90mL w/Hinged Lid						
100FLS	Natural/Natural	Frosted writing area	PP/PE	43.0 × 80.0mm	AS	300
Container, Polypropylene, 250mL w/Metal Cap						
193A	Natural/Metal	None	PP/ME	65.0 × 118.0mm	AS	50

► Thermo Scientific Sterilin Dippas



Sterile

Sterilin Dippas facilitate sample collection and subsequent transportation to the laboratory in a single container with no risk of cross-contamination.

details

- Individually wrapped and sterilized by gamma irradiation
- Leak-tested in accordance with BS EN 14254 Annex 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

Ordering Information: Not available in all geographic regions

Sterilin Dippas

Cat. No.	Description	Capacity	Handle Length	Materials Base/Cap	Sterility	Color	Case Qty.
Polystyrene							
191	Dippa, screw cap	30mL	191mm	PS/PP	IRR	Clear	50
191BLUE	Dippa, screw cap	30mL	191mm	PS/PP	IRR	Blue	50
194IW	Dippa, screw cap	100mL	383mm	PS/ME	IRR	Clear	100
194IWBLUE	Dippa, screw cap	100mL	383mm	PS/ME	IRR	Blue	100
192	Dippa, screw cap	250mL	334mm	PS/ME	IRR	Clear	50
192BLUE	Dippa, screw cap	250mL	334mm	PS/ME	IRR	Blue	50

► Thermo Scientific Sterilin Containers, Disposable Glass



Sterilin Disposable Glass Containers are ideal for small volume samples.

details

- Soda glass offers superior chemical resistance to plastic but is not recommended for autoclaving
- Tray packed for safety and convenience
- Supplied with cap — replacement caps available for the 30mL universal
- Supplied unlabeled and non-sterile
- *In vitro* use only

Ordering Information: Not available in all geographic regions

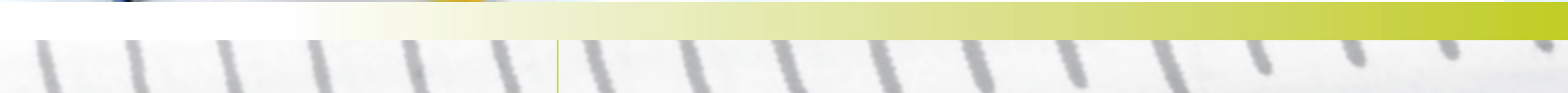
Notes: Please note that this glassware is manufactured from Soda glass and therefore it is recommended that the product is not autoclaved.

Sterilin Containers, Disposable Glass

Cat. No.	Description	Capacity	Material Base/Cap	Sterility	Case Qty.
39503T	Disposable Glass Container	7mL	G/PP	NS	360
39404	Disposable Glass Container	30mL	G/PP	NS	500
R328	28mm cap for UC/30	N/A	—/PP	NS	2,850



general laboratory products



Bench Protection	23
Cuvettes	24
Loops and Spreaders	25
Pipette Tips	26
Weighing Boats	27
Pipette Bulbs & Test Tube Holders	28
Cones	29

► Thermo Scientific Sterilin BenchGuard



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

details

- Choice of absorption capacity — 400mL/m² or 800mL/m²
- 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

Cat. No.	Description	Absorption	Length x Width	Pack Type
BG50	BenchGuard	400mL/m ²	50.0 × 0.49m	1 x Roll
BG60/100	BenchGuard	400mL/m ²	0.60 × 0.49m	100 x Sheets
BG50E	BenchGuard Extra	800mL/m ²	50.0 × 0.49m	1 x Roll
BG60E	BenchGuard Extra	800mL/m ²	0.60 × 0.49m	50 x Sheets

► Thermo Scientific 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 ± 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 labeling 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 scratch-free product at the time of use
- Supplied non-sterile

Ordering Information: Not available in all geographic regions

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

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

► Thermo Scientific Sterilin Loops and Spreaders



Sterile

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

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
- Sterilized by gamma irradiation

Ordering Information: Not available in all geographic regions

Sterilin Loops and Spreaders

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

► Thermo Scientific Sterilin Pipette Tips



Autoclavable

Sterilin Pipette Tips are available in Gilson, Eppendorf and universal styles.

details

- Manufactured from virgin polypropylene and metal-free pigments
- High translucency for excellent visibility of sample
- Hydrophobic surface to minimize 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

Ordering Information: Not available in all geographic regions

Sterilin Pipette Tips

Cat. No.	Style of Tip	Description	Volume	Sterility	Packaging	Inner Pack Qty.	Case Qty.
BCT10	Gilson	Clear	0.5 to 10µL	NS	Bulk	1,000	2,000
BCT20	Eppendorf	Clear	0.5 to 10µL	NS	Bulk	1,000	2,000
BCT25	Gilson	Yellow	5 to 200µL	NS	Bulk	1,000	2,000
BCT30	Universal	Yellow	5 to 200µL	NS	Bulk	1,000	2,000
BCT70	Universal	Blue	100 to 1,000µL	NS	Bulk	1,000	1,000
BCT100	Gilson	Clear	1000 to 5,000µL	NS	Bulk	250	1,000

► Thermo Scientific Sterilin Weighing Boats



New and improved 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 colored 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

Ordering Information: Not available in all geographic regions

Sterilin Weighing Boats

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

► Thermo Scientific 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: 0.22cm³
- Latex-free
- Supplied non-sterile

Ordering Information: Not available in all geographic regions

Sterilin Pipette Bulbs

Cat. No.	Description	Inner Pack Qty.
TET0102	No. 10 Teat	100

► Thermo Scientific Sterilin Test Tube Holders



Sterilin Test Tube Holders feature a unique rubber design with flexible cavity diameters.

details

- Unique rubber design with flexible cavity diameters
- Will sink in water baths and grips tubes to prevent them from floating to the surface
- Supplied non-sterile
- To ensure a secure grip, please select a cavity that is 1.5-2.0mm smaller than the tube diameter (e.g., 12.5mm cavity holds a 14mm diameter tube securely).

Ordering Information: Not available in all geographic regions

Sterilin Test Tube Holders

Cat. No.	L × W	Tube Capacity	Cavity Dia. at Rest
BLKTTS2	189 × 189mm	50	12.5mm
BLKTTS3	183 × 102mm	45	15.5mm
BLKTTS4	183 × 106mm	18	25.4mm
BLKTTS5	180 × 105mm	15	28.5mm
BLKTTS6	202 × 76mm	56	9.4mm
BLKTTS7	183 × 105mm	28	18.5mm

► Thermo Scientific Sterilin Cones



Sterilin 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

Ordering Information: Not available in all geographic regions

Sterilin Cones

Cat. No.	Description
CON0006	Set of 6 cones



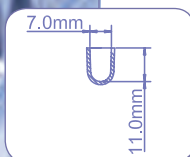


microtiter plates

Technical Data	31
Microtiter Plates	32-33

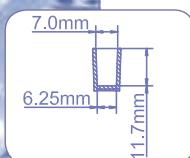
microtiter plates

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



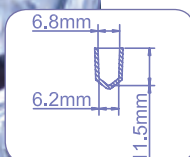
'U' Well

- 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

► Thermo Scientific Sterilin Microtiter Plates, Clear



CE

Sterile

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

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

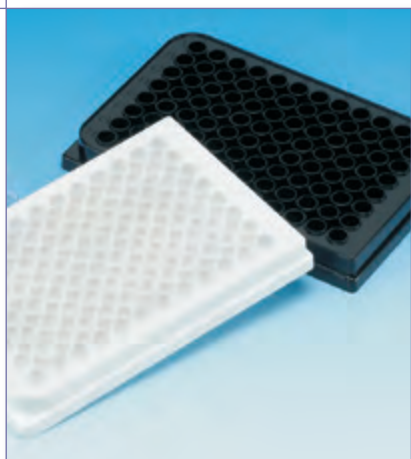
Ordering Information: Not available in all geographic regions

Certifications: CE marked in accordance with the European Directive 98/79/EC

Sterilin Microtiter Plates, Clear

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

► Thermo Scientific Sterilin Microtiter Plates, Black and White



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

details

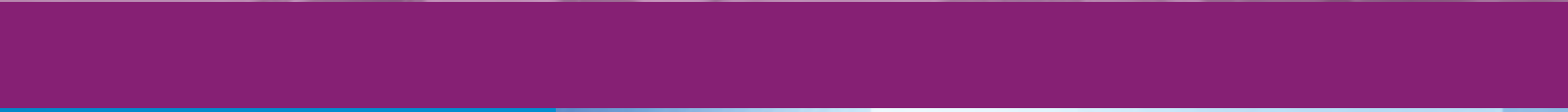
- Black 96-well plates are ideal for fluorescence work where the black pigment prevents 'cross-talk' between the wells — the low background fluorescence minimizes light scattering
- White 96-well plates are ideal for bioluminescence studies where the pigment aids reflectivity and sensitivity
- SBS compliant, 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

Ordering Information: Supplied without a lid; if required, the 642000 lid is a suitable fit. Not available in all geographic regions.

SBS

Sterilin Microtiter Plates, Black and White

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

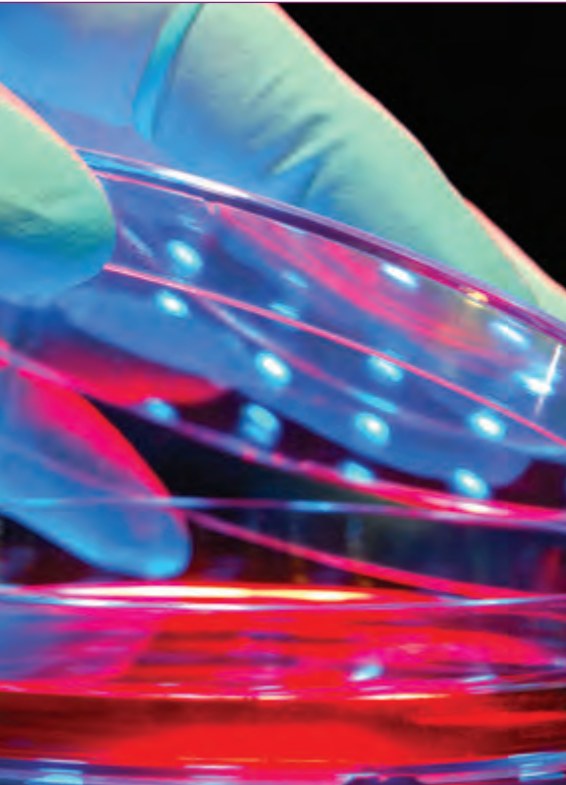


petri dishes



Technical Data	35
Petri Dishes	36-39

petri dishes

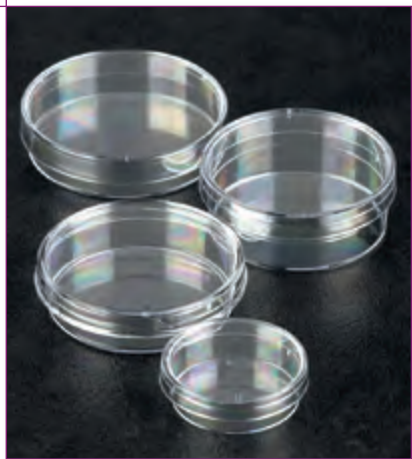


Thermo Scientific Sterilin 90, 140 and 100mm square Petri dishes are manufactured in accordance with standard EN ISO 24998:2008. With stringent dimensional controls, we can ensure product quality and consistency, making them ideal for use with most automatic plate pourers.

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 place 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 sterilized	Assured level of sterility
All packaging must be clearly marked with the manufacturer's mark, ISO 24988 and "in vitro use only"	Visible guarantee of a quality product

► Thermo Scientific Sterilin Petri Dishes, 30 to 140mm



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

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

Aseptic

Sterilin Petri Dishes, 30 to 140mm

Cat. No.	Description	Vents	Inner Pack Qty.	Case Qty.
121V	Petri dish, 30mm	Triple	10	800
122	Petri dish, 50mm	Single	10	700
124	Petri dish, 50mm, deep form	Single	20	500
PF55	Petri dish, 55mm	None	15	1,620
PF55V	Petri dish, 55mm	Six	10	1,620
123	Petri dish, 60mm	Single	10	540
501V	Petri dish, 140mm	Triple	10	80

► Thermo Scientific Sterilin Standard Petri Dishes, 90mm



CE

Aseptic

ISO

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

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
- *In vitro* use only
- CE marked against European Directive 98/79/EC

Ordering Information: Not available in all geographic regions

Compliance: Produced and tested in accordance with the ISO 24998:2008 Petri dish standard which includes stringent dimensional controls.

Sterilin Standard Petri Dishes, 90mm

Cat. No.	Description	Vents	Base O.D. x O.H.	Sterility	Inner Pack Qty.	Case Qty.
101R20	Petri dish, 90mm	Single	89.42 × 15.9mm	AS	20	500
101/IRR	Petri dish, 90mm	Single	89.42 × 15.9mm	IRR	20	500
101VR20	Petri dish, 90mm	Triple	89.42 × 16.1mm	AS	20	500
101V/IRR	Petri dish, 90mm	Triple	89.42 × 16.1mm	IRR	20	500
101RT/C	Petri dish, 90mm	None	89.42 × 15.7mm	AS	20	500
101RT/IRR	Petri dish, 90mm	None	89.42 × 15.7mm	IRR	20	500
90032	Petri dish, 90mm, shallow	Triple	88.00 × 14.1mm	AS	20	600

► Thermo Scientific Sterilin Petri Dishes, Specials



Aseptic

ISO

Sterilin Special Petri Dishes offer an alternative for nonstandard applications.

details

- Aseptically manufactured
- *In vitro* use only

Colored Dishes, 90mm

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

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

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

Ordering Information: Not available in all geographic regions

Compliance: 90mm dishes tested in accordance with ISO 24998:2008 standard

Sterilin Petri Dishes, Specials

Cat. No.	Description	Vents	Base O.D. x O.H.	Sterility	Inner Pack Qty.	Case Qty.
101VAMB [†]	Amber Petri Dish, 90mm	Triple	89.25 × 16.2mm	AS	20	500
101VBLUE [†]	Blue Petri Dish, 90mm	Triple	89.25 × 16.2mm	AS	20	500
101VRED [†]	Red Petri Dish, 90mm	Triple	89.25 × 16.2mm	AS	20	500
502VF	Petri Dish, 2 compartment, 90mm	Triple	89.25 × 16.2mm	AS	20	500
103	Square Petri Dish, 25 compartment, 100mm	Selectable	101.0 × 20.8mm	AS	4	120
109	Square Petri Dish, 100mm	None	101.0 × 20.8mm	AS	4	120

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

► **Thermo Scientific Sterilin Contact Plate, 55mm**



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

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

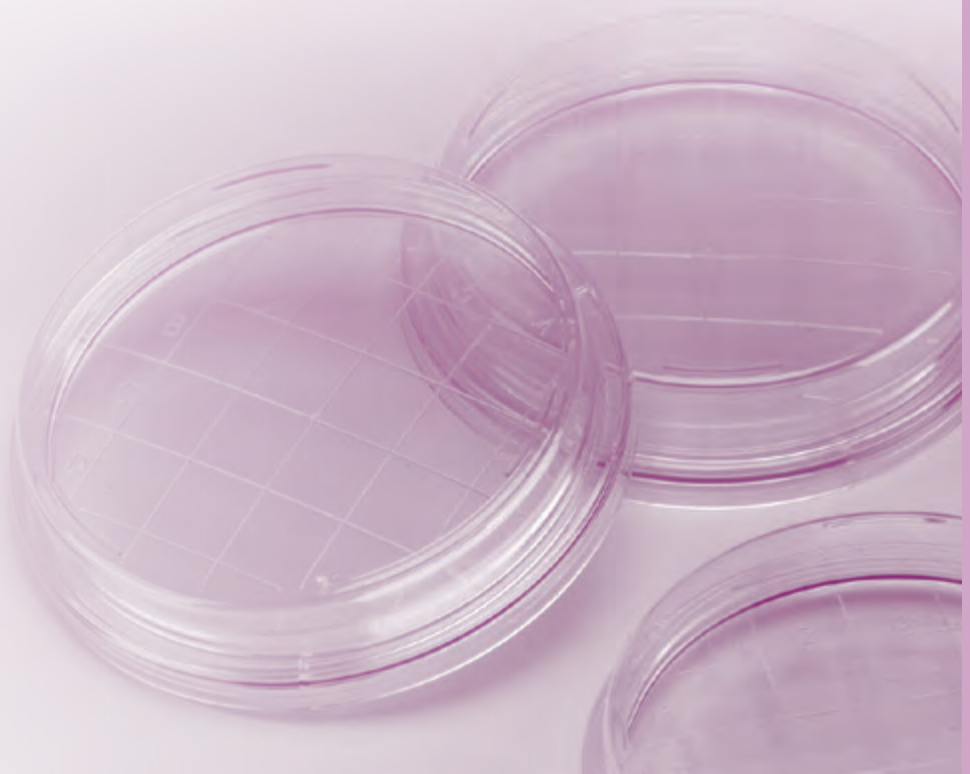
Ordering Information: Not available in all geographic regions

Compliance: 25cm² surface area — conforms to both the Institute of Environmental Sciences (IES, 1993) and the International Pharmaceutical Federation (I.P.F., 1990) Standards

Aseptic

Sterilin Contact Plate, 55mm

Cat. No.	Description	Vents	Base O.D. x O.H.	Sterility	Inner Pack Qty.	Case Qty.
504	55mm Contact Plate	Triple	67 x 10.4mm	AS	10	300





pipettes

Pipettes — Single-Use Transfer	41
Pipettes — Single-Use Glass	42-43

► Thermo Scientific Sterilin Pipettes, Transfer, Plastic



Sterilin Plastic Transfer Pipettes are ideal for transferring liquids safely.

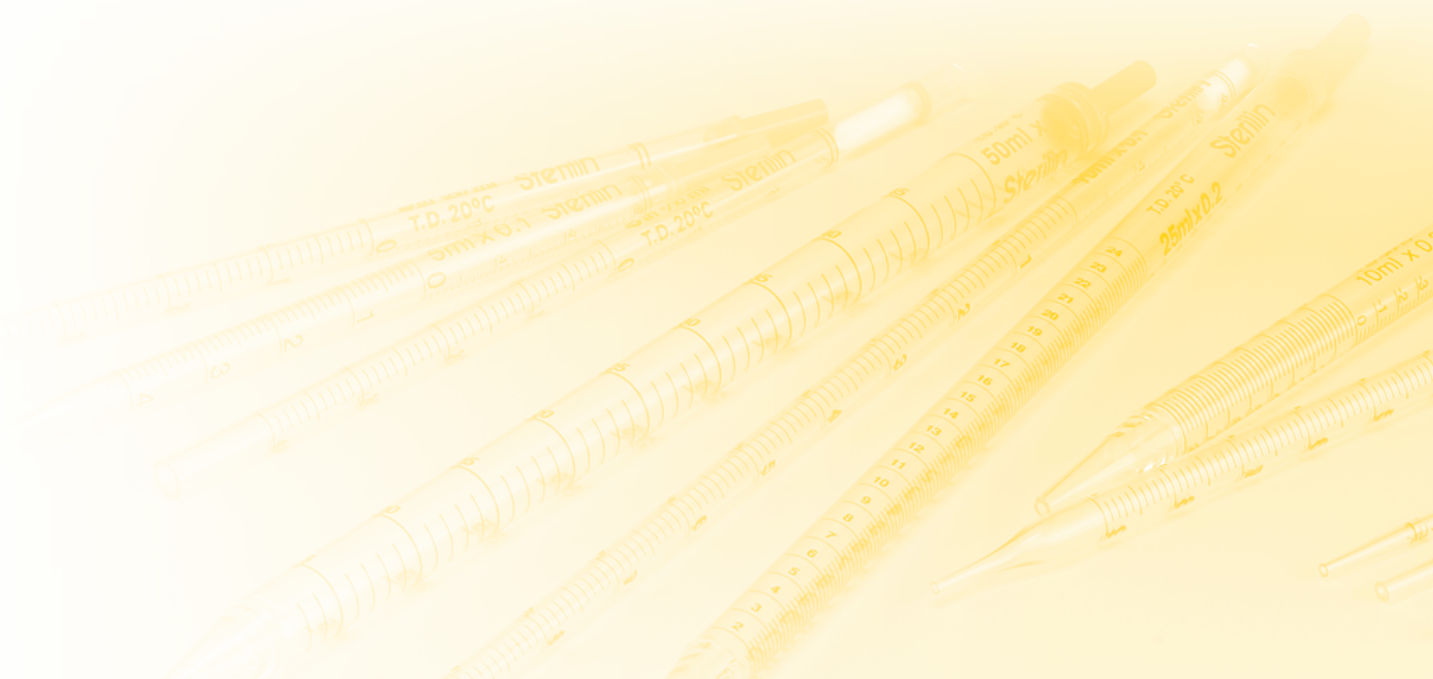
details

- 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

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



► Thermo Scientific 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
- Sterilized by gamma irradiation

Ordering Information: Available in UK only

Sterilin Plugged Pipettes, Glass Individual Paper Peel Packaging

Cat. No.	Capacity	Negative Graduations	Overall Length	Sterility	Shelf Pack Qty.	Case Qty.
7077-1N	1mL	-0.2mL	290mm	IRR	1	800
7077-2N	2mL	-0.2mL	290mm	IRR	1	720
7077-5N	5mL	-1.0mL	290mm	IRR	1	720
7077-10N	10mL	-2.0mL	290mm	IRR	1	600

► **Thermo Scientific 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

Ordering Information: Available in UK only

Sterilin Glass Pipettes, Bulk Packed

Cat. No.	Capacity	Negative Graduations	Overall Length	Sterility	Shelf Pack Qty.	Case Qty.
Plugged						
7078-1CN	1.0mL	-0.2mL	290mm	IRR	50	1,000
7078-2N	2.0mL	-0.2mL	290mm	IRR	35	700
7078-5N	5.0mL	-1.0mL	290mm	IRR	30	960
7078-10N	10.0mL	-2.0mL	290mm	IRR	20	720
Unplugged						
7079-1N	1.0mL	-0.2mL	290mm	NS	50	1,000
7079-2N	2.0mL	-0.2mL	290mm	NS	35	700
7079-5N	5.0mL	-1.0mL	290mm	NS	30	960
7079-10N	10.0mL	-2.0mL	290mm	NS	30	720



Technical Data	45-46
Flocked Swabs	47-50
Fiber Swabs	51-53

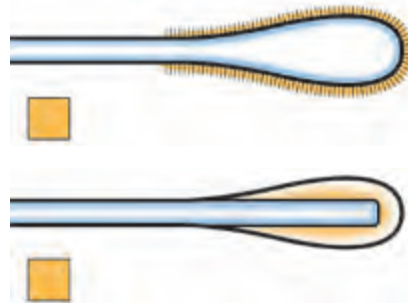
flocked swabs

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

Due to the complex network of interwoven fibers, 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 **Sterilin flocked swab** utilizes a new nylon fiber 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.



Flocked Swab

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

For independent scientific studies to support these products, email sterilin@thermofisher.com.



fiber swabs

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 fiber. 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

- Sterilin 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 Sterilin 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, 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

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

► Thermo Scientific Sterilin E-Swab Transport System



NEW

CE

Sterile

M40 Compliant

Sterilin E-Swab Transport System features a pre-labeled 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.

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 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

Ordering Information: Available in UK only

Certifications: CE marked as Class IIa in accordance with the Medical Device Directive 93/42/EEC (for transient invasive use)

Sterilin E-Swab and Transport System

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

► Thermo Scientific Sterilin Swabs, Fecal



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

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

Ordering Information: Available in UK only

Certifications: CE marked as Class IIa in accordance with the Medical Device Directive 93/42/EEC (for transient invasive use)

NEW

CE

Sterile

Sterilin Swabs, Fecal

Cat. No.	Description	Applicator/Tip	Sterility	Case Qty.
470CE.A	2mL Cary Blair + regular flocked swab	Plastic/Nylon fiber	IRR	300

► Thermo Scientific Sterilin Swabs, UTM (Universal Transport Medium)



CE

Sterile

Sterilin 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

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

Ordering Information: Available in UK only

Certifications: CE marked as Class IIa in accordance with the Medical Device Directive 93/42/EEC (for transient invasive use)

Sterilin Swabs, UTM (Universal Transport Medium)

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

► Thermo Scientific Sterilin Swabs, Flocked Plain



CE

Sterile

RNase/DNase-free

Human DNA-free

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

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.

- 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
- Available either in a paper peel pouch or in a plain dry tube

Ordering Information: Available in UK only

Certifications: CE marked as Class IIa in accordance with the Medical Device Directive 93/42/EEC (for transient invasive use)

Sterilin Swabs, Flocked Plain

Cat. No.	Description	Breakpoint	Applicator/Tip	Sterility	Case Qty.
Flocked Swabs — Individually wrapped in paper peel pouch					
501CS01	Minitip nylon flocked swab	80mm	Plastic/Nylon	IRR	100
502CS01	Regular nylon flocked swab	80mm	Plastic/Nylon	IRR	100
520CS01	Regular nylon flocked swab	30mm	Plastic/Nylon	IRR	100
503CS01	Flexible nasopharyngeal minitip nylon flocked swab	80mm	Plastic/Nylon	IRR	100
511CS01	Endocervical nylon flocked swab	80mm	Plastic/Nylon	IRR	50
516CS01	Neonatal minitip nylon flocked swab	80mm	Plastic/Nylon	IRR	100
Flocked Swabs — Individually wrapped in plain dry tube					
551C	Minitip nylon flocked swab	80mm	Plastic/Nylon	E0	100
552C	Regular nylon flocked swab	80mm	Plastic/Nylon	E0	100
553C	Flexible nasopharyngeal minitip nylon flocked swab	80mm	Plastic/Nylon	E0	100
516C	Neonatal minitip nylon flocked swab	80mm	Plastic/Nylon	E0	100
Forensic Swabs — Certified human DNA free					
3509CS01	Regular flocked swab	20mm	Plastic/Nylon	E0	100
3520CA	Regular flocked swab, 2mL tube	20mm	Plastic/Nylon	E0	100
3520CF	Regular flocked swab, tube with evaporation duct	20mm	Plastic/Nylon	E0	100

► Thermo Scientific Sterilin Swabs, Gel Transport



CE

Sterile

M40 Compliant

Sterilin Transport Swabs are primary sample collection and transport device for bacteria.

details

- 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

- 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

Ordering Information: Available in UK only

Certifications: CE marked as Class IIa in accordance with the Medical Device Directive 93/42/EEC (for transient invasive use)

Sterilin Swabs, Gel Transport

Cat. No.	Media	Applicator/Tip	Cap Color	Use	Sterility	Inner Pack Qty.	Shelf Pack Qty.	Case Qty.
Standard Transport Swabs								
18108CST	Amies	Plastic/Rayon	Blue	Throat, vagina, wound and skin	IRR	1	50	500
18114CST	Amies w/charcoal	Plastic/Rayon	Black	Throat, vagina, wound and urogenital	IRR	1	50	500
18110CST	Amies	Aluminum/Rayon	Orange	Pediatric or urethral	IRR	1	50	500
18116CST	Amies w/charcoal	Aluminum/Rayon	Orange	Urogenital	IRR	1	50	500
18190CST	Amies	Twisted wire/Rayon	Blue	Pernasal	IRR	1	50	500
18192CST	Amies w/charcoal	Twisted wire/Rayon	Blue	Pernasal	IRR	1	50	500
18111CST	Stuart agar	Plastic/Rayon	Blue	General purpose	IRR	1	50	500
M40 Transport Swabs								
408CST	Amies	Plastic/Rayon	Red	General Purpose	IRR	1	50	500
414CST	Amies w/charcoal	Plastic/Rayon	Black	Urogenital	IRR	1	50	500

► Thermo Scientific Sterilin Swabs, Plain



CE

Sterile

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

details

- Primary sample collection device for bacteria
- Color-coded caps for ease of identification

Ordering Information: Available in UK only

Certifications: CE marked as Class IIa in accordance with the Medical Device Directive 93/42/EEC (for transient invasive use)

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

Sterilin Swabs, Plain

Cat. No.	Applicator/Tip	Cap Color	Use	Sterility	Inner Pack Qty.	Case Qty.
Swabs in tube						
F150CA	Wood/Cotton	Red	General purpose	IRR	1	100
F155CA	Plastic/Rayon	White	General purpose	IRR	1	100
F160CA	Aluminum/Rayon	Orange	Ear, nose, vaginal or urethral	IRR	1	100
F168CA	Twisted wire/Rayon	Blue	Pernasal and nasopharyngeal	IRR	1	100
451CST	Plastic/Cotton, Vegetal protein coated	Yellow	Vegetal protein coating reduces overgrowth	IRR	1	100
F152CA	Wood/Cotton, Charcoal coated	Black	Charcoal neutralizes inhibitory effects of cotton	IRR	1	100
Swabs in peel pouch						
165KS01	Wood/Cotton	N/A	General purpose	EO	1	1,000
165KS100	Wood/Cotton	N/A	General purpose	IRR	100	2,500

► Thermo Scientific Sterilin Swabs, Environmental



Sterile

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

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 (100cm²) enable accurate calculation of colony forming units per cm²
- 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 cm² (CFU/cm²) 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

Ordering Information: Available in UK only

Sterilin Swabs, Environmental

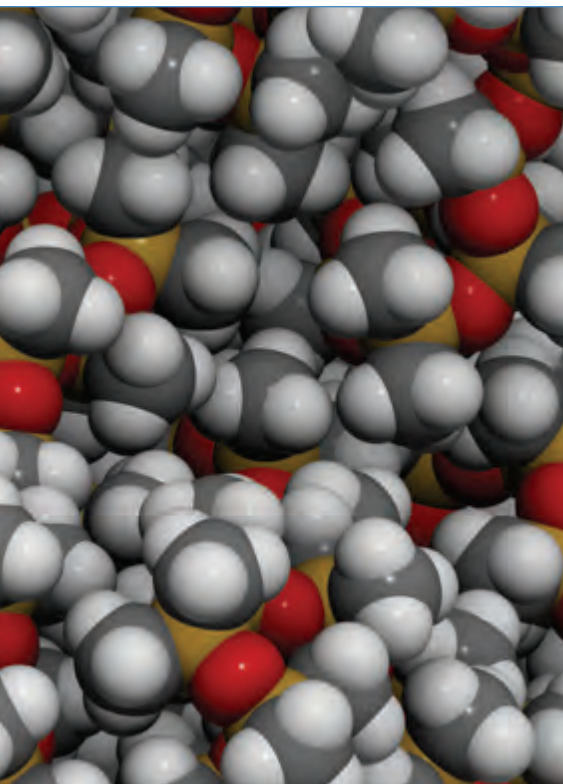
Cat. No.	Description	Shaft Length	Applicator Material	Sterility	Inner Pack Qty.	Case Qty.
902C	10mL solution, separate swab, dacron tip	13cm	PS	IRR	1	25
903C	10mL solution, separate swab, alginate tip	13cm	PS	IRR	1	25
904C	10mL solution, separate swab, large rayon tip	13cm	PS	IRR	1	25
922C	10mL solution, integral dacron tip swab	9cm	PS	IRR	1	50
926C	10mL solution, integral dacron tip swab	9cm	PS	IRR	50	50
905C	Square sampling kit, 902C with square sampling template	13cm	PS	IRR	1	10
T2905C	Plastic square sampling template 10 x 10cm			IRR	5	50



silicone products

Technical Data	55
Discs, Stoppers, Sheeting and Tubing	56-58

silicone



Temperature Range

The service temperature range of Sterilin silicone products is within the region of -50° 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

Utilizes the latest in laser etching capabilities; a CO₂ 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.

► Thermo Scientific Sterilin Silicone Stoppers



Autoclavable

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

details

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

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

Compliance: European Pharmacopoeia EUIII — July 1987; FDA CFR 177.2600 Food Contact

Sterilin Silicone Stoppers

Cat. No.	B.S. Stopper	Top Dia.	Base Dia.	Length	Pack Qty.
TSRBGE010	10mm	12.5mm	10.0mm	20.0mm	10
TSRBGE011	11mm	14.0mm	11.0mm	24.0mm	10
TSRBGE013	13mm	16.0mm	13.0mm	24.0mm	10
TSRBGE015	15mm	18.0mm	15.0mm	24.0mm	10
TSRBGE019	19mm	22.5mm	19.0mm	28.0mm	10
TSRBGE021	21mm	24.5mm	21.0mm	28.0mm	1
TSRBGE023	23mm	26.5mm	23.0mm	28.0mm	1
TSRBGE027	27mm	31.0mm	27.0mm	32.0mm	1
TSRBGE037	37mm	42.5mm	37.0mm	38.5mm	1

► Thermo Scientific Sterilin Silicone Rubber Discs and Sheeting



Autoclavable

Sterilin Silicone Rubber Discs and Sheeting are suitable in a wide variety of applications.

details

Discs

- Translucent
- Operate over a wide temperature range: -50° to +200°C
- Autoclavable
- Supplied non-sterile

Sheeting

- Easily cut to form gaskets
- Operates over a wide temperature range
 - Industrial operates -50° to +250°C
 - General operates -50° to +200°C
- Autoclavable
- Supplied non-sterile

Ordering Information: Not available in all geographic regions

Sterilin Silicone Rubber Discs and Sheeting

Cat. No.	Dia. × Thickness	Case Qty.
Silicone Discs		
TDSC0220016	22.0mm x 1.6mm	100
TDSC0254016	25.4mm x 1.6mm	100
TDSC0365016	36.5mm x 1.6mm	100
TDSC0487516	48.8mm x 1.6mm	100
TDSC0560016	56.0mm x 1.6mm	100
TDSC0220032	22.0mm x 3.2mm	100
TDSC0254032	25.4mm x 3.2mm	100
Silicone Rubber Sheeting		
SR7SHT0707116	178 × 178mm	1
SR7SHT1111116	279 × 279mm	1
SR7SHT1515116	381 × 381mm	1
SR7SHT0707180	178 × 178mm	1
SR7SHT1111180	279 × 279mm	1
SR7SHT1414100	356 × 356mm	1

These products are subject to a minimum order quantity. Please contact Customer Service for details.

► Thermo Scientific Sterilin Silicone Tubing



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

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

Ordering Information: Not available in all geographic regions

Aseptic

Autoclavable

Sterilin Silicone Tubing

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

Cat. No.	Bore	Wall Thickness	Outside Dia.
TSR0500160P	5.0mm	1.6mm	8.2mm
TSR0550250P	5.5mm	2.5mm	10.5mm
TSR0600175P	6.0mm	1.75mm	9.5mm
TSR0600200P	6.0mm	2.0mm	10.0mm
TSR0600400P	6.0mm	4.0mm	14.0mm
TSR0630160P	6.3mm	1.6mm	9.5mm
TSR0630250P	6.3mm	2.5mm	11.3mm
TSR0630320P	6.3mm	3.2mm	12.7mm
TSR0750150P	7.5mm	1.5mm	10.5mm
TSR0800160P	8.0mm	1.6mm	11.2mm
TSR0800200P	8.0mm	2.0mm	12.0mm
TSR0800320P	8.0mm	3.2mm	14.4mm
TSR0800400P	8.0mm	4.0mm	16.0mm
TSR0800500P	8.0mm	5.0mm	18.0mm
TSR0850400P	8.5mm	4.0mm	16.5mm
TSR0900250P	9.0mm	2.5mm	14.0mm
TSR0900320P	9.0mm	3.2mm	15.4mm
TSR0900400P	9.0mm	4.0mm	17.0mm
TSR0950320P	9.5mm	3.2mm	15.9mm
TSR1000200P	10.0mm	2.0mm	14.0mm
TSR1000300P	10.0mm	3.0mm	16.0mm
TSR1270320P	12.7mm	3.2mm	19.1mm
TSR1600320P	16.0mm	3.2mm	22.4mm
TSR1900320P	19.0mm	3.2mm	25.4mm
TSR2540320P	25.4mm	3.2mm	31.8mm



tubes and vials

Scintillation Vials	60
Micro centrifuge Tubes	60
Tubes — Centrifuge	61
Tubes — Glass	61-63
Tubes — Plastic	64-66

▶ Thermo Scientific 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

Ordering Information: Not available in all geographic regions

Sterilin Scintillation Vial, 20mL and 6mL Insert

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

▶ Thermo Scientific Sterilin Microcentrifuge Tubes, 1.5mL



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

details

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

Ordering Information: Not available in all geographic regions

Centrifugation

Sterilin Microcentrifuge Tubes, 1.5mL

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

▶ Thermo Scientific 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
- Wadded or nonwadded cap
- Supplied non-sterile
- Available as both round or conical base

Ordering Information: Not available in all geographic regions

Sterilin Centrifuge Tubes, 13.5mL

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

▶ Thermo Scientific 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

Ordering Information: Not available in all geographic regions

Sterilin Tubes, Round Base, Soda Glass

Cat. No.	Description	O.D. × H	Material	Sterility	Inner Pack Qty.	Case Qty.
49684	3mL tube	10 × 75mm	G	NS	250	1,000
49635	5mL tube	12 × 75mm	G	NS	250	1,000

► Thermo Scientific 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.

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

Ordering Information: Not available in all geographic regions

Autoclavable

Sterilin Tubes, Round Base, Borosilicate Glass, Rimless

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



▶ Thermo Scientific Sterilin Tubes Borosilicate Glass, Culture



Autoclavable

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

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

Ordering Information: Not available in all geographic regions

Sterilin Tubes Borosilicate Glass, Culture

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

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

▶ Thermo Scientific Sterilin Tubes, Plastic, Round Base



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

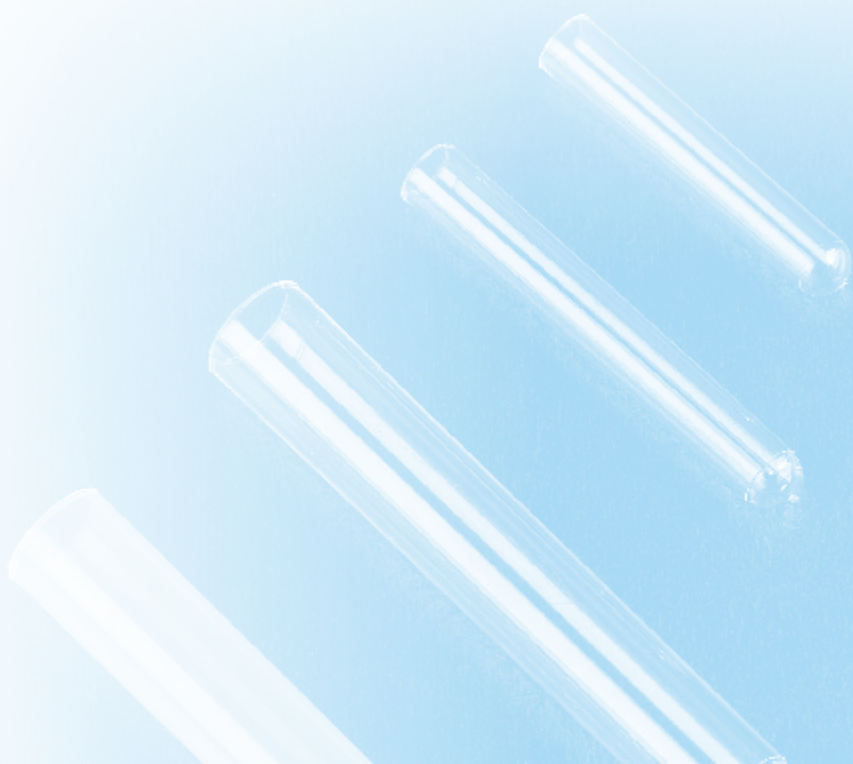
details

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

Ordering Information: Not available in all geographic regions

Sterilin Tubes, Plastic, Round Base

Cat. No.	Description	O.D. × H	Material	Sterility	Inner Pack Qty.	Case Qty.
RT15	0.6mL tube	6 × 40mm	PS	NS	1,000	10,000
RT20	1.0mL tube	6 × 50mm	PS	NS	1,000	10,000
RT25	2.7mL tube	10 × 65mm	PS	NS	500	6,000
30908	2.5mL tube, LP3	11 × 64mm	PS	NS	2,500	2,500
RT30	4.9mL tube, LP4	12 × 75mm	PS	NS	250	3,500
30924	5.5mL tube, LP5	13 × 75mm	PS	NS	1,500	1,500
30932	11.0mL tube, LP6	16 × 95mm	PS	NS	750	750
C2A	Cap for RT30/30890	—	PE	NS	3,500	3,500



▶ Thermo Scientific Sterilin Tubes, Plastic, Screw Cap



CE

Sterilin Tubes supplied with polyethylene screw caps.

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

Ordering Information: Not available in all geographic regions

Certifications: CE marked in accordance with the European Directive 98/79/EC

Sterilin Tubes, Plastic, Screw Cap

Cat. No.	Description	O.D. × H	Label	Material Tube/Cap	Sterility	Case Qty.
Z5PS	5mL Tube	17.0 × 54.5mm	Printed	PS/PE	NS	1,000
Z5PSNL	5mL Tube	17.0 × 54.5mm	None	PS/PE	NS	1,000
Z10PS	10mL Tube	17.0 × 100mm	Printed	PS/PE	NS	500
Z10PSNL	10mL Tube	17.0 × 100mm	None	PS/PE	NS	500
Z5PE	5mL Tube, with skirt	17.5 × 56.5mm	Printed	PP/PE	NS	1,000
Z5PENL	5mL Tube, with skirt	17.5 × 56.5mm	None	PP/PE	NS	1,000
Z10PE	10mL Tube, with skirt	17.5 × 96mm	Printed	PP/PE	NS	500
Z10PENL	10mL Tube, with skirt	17.5 × 96mm	None	PP/PE	NS	500

► Thermo Scientific Sterilin Tubes, Plastic, Culture



Sterilin Plastic Culture Tubes have a round base, suitable for suspension culture procedures.

details

- Two-position cap — can be left loose for gas exchange or engaged for tight seal
- Large white marker area for easy labeling
- Printed graduations
- Sterilized by gamma irradiation

Ordering Information: Not available in all geographic regions

Sterilin Tubes, Plastic, Culture

Cat. No.	Description	O.D. × H	Material (Tube/Cap)	Sterility	Inner Pack Qty.	Case Qty.
75CTS	4mL Polystyrene Tube	12 × 75mm	PS/PE	IRR	25	500
75CTS1	4mL Polystyrene Tube	12 × 75mm	PS/PE	IRR	1	500
75CTP	4mL Polypropylene Tube	12 × 75mm	PP/PE	IRR	25	500
75CTP1	4mL Polypropylene Tube	12 × 75mm	PP/PE	IRR	1	500
100CTS	12mL Polystyrene Tube	17 × 100mm	PS/PE	IRR	25	500
100CTS1	12mL Polystyrene Tube	17 × 100mm	PS/PE	IRR	1	500
100CTP	12mL Polypropylene Tube	17 × 100mm	PP/PE	IRR	25	500
100CTP1	12mL Polypropylene Tube	17 × 100mm	PP/PE	IRR	1	500



water sampling



Water Sampling Bottles 68

► Thermo Scientific Sterilin Water Sampling Bottles



NEW

Sterile

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

details

- Available manufactured using:
 - Flexible polystyrene
 - NEW, lightweight PET for improved handling
- Empty or pre-dosed with sodium thiosulphate
- Polystyrene bottles feature color-coded labels to aid differentiation samples: Blue — dosed; Green — undosed
- PET bottles feature color-coded caps to aid differentiation: Blue — dosed; White — undosed
- Tamper-evident cap for sample integrity
- Lot number for complete traceability
- Sterilized 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

Ordering Information: Not available in all geographic regions

Sterilin Water Sampling Bottles

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

BCT10	26	TDSC0254016	57	TSRBGE023	56	101V/IRR	37
BCT20	26	TDSC0254032	57	TSRBGE027	56	101VR20	37
BCT25	26	TDSC0365016	57	TSRBGE037	56	101VRED	38
BCT30	26	TDSC0487516	57	WB30205	27	103	38
BCT70	26	TDSC0560016	57	WB30206	27	109	38
BCT100	26	TET0102	28	WB30254	27	121V	36
BG50	23	TSR0050025P	58	WB30255	27	122	36
BG50E	23	TSR0050050P	58	WB30304	27	123	36
BG60/100	23	TSR0050160P	58	WB30305	27	124	36
BG60E	23	TSR0080170P	58	WB30311	27	125AM	13
BLKTTS2	28	TSR0100050P	58	WB30312	27	125AP	13
BLKTTS3	28	TSR0100100P	58	WB30314	27	125BM	13
BLKTTS4	28	TSR0100200P	58	WB30315	27	125BP	13
BLKTTS5	28	TSR0150050P	58	WB30317	27	125CM	13
BLKTTS6	28	TSR0150100P	58	WB30318	27	125CP	13
BLKTTS7	28	TSR0150150P	58	WB30321	27	125PYR	17
C2A	64	TSR0200050P	58	WB30322	27	128A	10
CON0006	29	TSR0200100P	58	WB30324	27	128A/FS	11
F150CA	52	TSR0200125P	58	WB30325	27	128A/P	18
F152CA	52	TSR0250080P	58	WB30327	27	128B	10
F155CA	52	TSR0250100P	58	WB30328	27	128B/50	11
F160CA	52	TSR0300200P	58	WB30331	27	128BBAC	10
F168CA	52	TSR0320080P	58	WB30332	27	128BBAC/50	11
LXP60/P	19	TSR0320100P	58	WB30334	27	128BBAC/FS	11
LXP125/P	19	TSR0320160P	58	WB30335	27	128BBAC/P	18
LXP180/P	19	TSR0400100P	58	WB30337	27	128B/FS	11
LXPB180	19	TSR0400160P	58	WB30338	27	128B/P	18
MP52	15	TSR0400200P	58	WSC350	68	128C	10
PF55	36	TSR0450160P	58	WSC350-20	68	128C/FS	11
PF55V	36	TSR0475160P	58	WSC350/NT	68	128C/P	18
PP88SA	41	TSR0500100P	58	WSC500	68	128DB/IRR	16
PP88SB	41	TSR0500160P	58	WSC500-20	68	128PYR	17
PP89SA	41	TSR0550250P	58	WSC500/NT	68	128SA	11
PP89SB	41	TSR0600175P	58	WSC500T	68	128SB	11
QL1	25	TSR0600200P	58	WSC500T-20	68	128SBB	11
QL10	25	TSR0600400P	58	WSC500T/NT	68	128SB/P	18
R328	21	TSR0630160P	58	WSC1000	68	128SC	11
RT15	64	TSR0630250P	58	WSC1000-20	68	129A	9
RT20	64	TSR0630320P	58	WSC1000/NT	68	129AX/1	9
RT25	64	TSR0750150P	58	Z5PE	65	129B	9
RT30	64	TSR0800160P	58	Z5PENL	65	129BBAC	9
S23B	5	TSR0800200P	58	Z5PS	65	129PYR	17
S23C	5	TSR0800320P	58	Z5PSNL	65	131B	12
S23E	5	TSR0800400P	58	Z10PE	65	131B/50	12
S31	60	TSR0800500P	58	Z10PENL	65	131BBAC	12
S400	6	TSR0850400P	58	Z10PS	65	131BBA/C50	12
SL1H	25	TSR0900250P	58	Z10PSNL	65	131BBAC/50	12
SL1S	25	TSR0900320P	58	75CTP	66	131BBAC/C	12
SL10H	25	TSR0900400P	58	75CTP1	66	131B/C	12
SL10S	25	TSR0950320P	58	75CTS	66	131B/C50	12
SN20	25	TSR1000200P	58	75CTS1	66	142AS	61
SPCS01	25	TSR1000300P	58	100CTP	66	142ASR	61
SPCS05	25	TSR1270320P	58	100CTP1	66	165A	13
SR7SHT0707116	57	TSR1600320P	58	100CTS	66	165B	13
SR7SHT0707180	57	TSR1900320P	58	100CTS1	66	165C	13
SR7SHT1111116	57	TSR2540320P	58	100FLS	19	165KS01	52
SR7SHT1111180	57	TSRBGE010	56	101/IRR	37	165KS100	52
SR7SHT1414100	57	TSRBGE011	56	101R20	37	165PYR	17
SR7SHT1515116	57	TSRBGE013	56	101RT/C	37	185AM	13
T2905C	53	TSRBGE015	56	101RT/IRR	37	185AP	13
TDSC0220016	57	TSRBGE019	56	101VAMB	38	185BM	13
TDSC0220032	57	TSRBGE021	56	101VBLUE	38	185BP	13

185CM.....	13	511CS01.....	50	49684.....	61
185CP.....	13	511HT.....	5	90032.....	37
185DB/IRR.....	16	516C.....	50	99445-10.....	62
185PYR.....	17	516CS01.....	50	99445-12.....	62
190A.....	13	520CS01.....	50	99445-13.....	62
190B.....	13	551C.....	50	99445-15.....	62
190C.....	13	552C.....	50	99445-16.....	62
190/DB/IRR.....	16	553C.....	50	99445-16X.....	62
190PYR.....	17	611F96.....	32	99445-16XX.....	62
191.....	20	611F96BK.....	33	99445-18.....	62
191BLUE.....	20	611F96WT.....	33	99445-20.....	62
192.....	20	611U96.....	32	99448-16.....	63
192BLUE.....	20	611V96.....	32	99448-19.....	63
193A.....	19	612F96.....	32	99449-13.....	63
194IW.....	20	612U96.....	32	99449-16.....	63
194IWBLUE.....	20	612V96.....	32	99449-16X.....	63
200C.....	41	902C.....	53	99449-16XX.....	63
201C.....	41	903C.....	53	99449-20.....	63
202C.....	41	904C.....	53	99449-20X.....	63
221M.....	24	905C.....	53	99999-13.....	63
221S.....	24	922C.....	53	99999-15.....	63
222M.....	24	926C.....	53	99999-18.....	63
222S.....	24	2150N.....	60	642000.....	32
305C.....	49	3509CS01.....	50		
328C.....	49	3520CA.....	50		
330C.....	49	3520CF.....	50		
346C.....	49	7077-1N.....	42		
347C.....	49	7077-2N.....	42		
350C.....	49	7077-5N.....	42		
359C.....	49	7077-10N.....	42		
360C.....	49	7078-1CN.....	43		
361C.....	49	7078-2N.....	43		
408CST.....	51	7078-5N.....	43		
414CST.....	51	7078-10N.....	43		
451CST.....	52	7079-1N.....	43		
470CE.A.....	48	7079-2N.....	43		
480CE.....	47	7079-5N.....	43		
481CE.....	47	7079-10N.....	43		
482CE.....	47	9998-13.....	63		
483CE.....	47	9998-15.....	63		
484CE.....	47	9998-18.....	63		
490CE.A.....	47	18108CST.....	51		
493CE02.....	47	18110CST.....	51		
493CE03.....	47	18111CST.....	51		
500WSC.....	68	18114CST.....	51		
500WSCNT.....	68	18116CST.....	51		
501CS01.....	50	18190CST.....	51		
501V.....	36	18192CST.....	51		
502CS01.....	50	28308.....	14		
502VF.....	38	28381.....	14		
503CS01.....	50	28423.....	14		
504.....	39	28464.....	14		
505.....	60	28480.....	14		
509.....	5	30908.....	64		
509HT.....	5	30924.....	64		
509L.....	5	30932.....	64		
509LHT.....	5	36100.....	61		
510.....	5	39404.....	21		
510HT.....	5	39503T.....	21		
510L.....	5	49635.....	61		
510LHT.....	5				
511.....	5				



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