Simport

Contributing to the Evolution of
Disposable Laboratory Plasticware since 1975

www.simport.com

35 YEARS OF TOTAL DEDICATION TO YOUR SPECIAL NEEDS IN PLASTIC LABWARE

GENERAL TERMS AND CONDITIONS

Credit Terms: For customers with approved credit, terms of sale are; 2% discount for payment within 10 days of invoice date or net invoice due in 30 days. Delinquent accounts are subject to a 1.5% monthly interest fee (18% annually) on outstanding balances.

Pricing: Pricing is established on the current year price list. Pricing is deemed as accepted and valid upon reception of the price list to a member of the organization. The purchaser agrees to pay the purchase price for the goods as well as all related taxes and fees, including taxes and fees related to the shipment, the export, the import (including any custom fees and excise taxes) of the goods and all applicable sale taxes

Minimum Orders: There is a minimum order value of 100$ for all orders placed in the United States or Canada. The minimum order value for all other countries is 1000$. Orders placed which do not have this minimum value will be charged a 15$ administration fee. Minimum orders for all individual items are "one" case.

Ordering and technical information: All orders must be sent via fax or e-mail. Please fax your orders to (450) 464-3394 or order by e-mail at: ordering@simport.com. Technical information can be requested by contacting Customer Services or by e-mailing at info@simport.com.

Shipment Incoterms: All orders placed with Simport are shipped F.C.A., our shipping premises.

Transfer of Risk and Ownership: The transfer of risk and responsibility takes effect upon the expedition of the merchandise, which is the date of the invoice. The ownership of the goods shall be transferred to the purchaser only upon complete payment of the sums owed to the seller with respect to such goods.

Order Cancellation: The purchaser may not cancel or delay the shipment of an order, unless the seller agrees to such cancellation or delay and provides written consent. Should consent be given and the sale of goods be cancelled the seller shall pay a cancellation fee of an amount representing 25% of the order value.

Delays: The seller shall not be responsible for any delay incurred for the shipment of the goods that may be caused by a situation reasonably beyond the control of the seller, including any events of force majeure.

Custom-Made products, Branded item & Special orders: In all cases where the goods are specially manufactured, labelled specifically or custom made to meet the purchaser's particular needs or high volume requirements, the seller reserves the right to charge storage fees for delayed shipments for any reasons attributable to the purchaser.

Product Availability: Simport maintains inventory levels on historical demand and sales forecast information. Any customised or low-volume products are considered build to stock. We reserve the right to refuse orders for customised or low-volume items and/or request a minimum quantity. The pricing of these items can differ from the pricing found of the annual price list and can be changed at any time without notification.

Returns: Product returns are accepted only by prior authorization. Unauthorized returns or products not labelled with a valid R.G.A. (Return Goods Authorization) number will be sent back to the sender. Please contact Simport Customer Services for forwarding instructions. Requests for return and credit must be made within 15 days of the receipt of goods. Please provide product description, invoice and/or purchase order number, lot number (in the case of product defect) and reason for return when making your request. A 25% restocking fee may apply to returns and will be deducted from the resulting credit note. The purchaser shall also assume all fees and taxes related to the goods being returned.

Freight and Freight Claims: Unless otherwise provided, the purchaser shall assume all responsibilities related to the transport of the goods from the seller's business premises and he shall obtain proper insurance coverage in that respect. Shipments always leave our warehouse in good condition. If a carton is received in poor condition, it should be refused or be noted on the Bill of Lading at the time of the delivery. Missing cartons (short-shipments) must also be noted on receipt of the order on the Bill of Lading. It is the purchaser's responsibility to file any freight claims with the carrier usually within 10 days of the delivery, and to collect from the carrier any money owed.

Disclaimer: Our products are intended within the laboratory setting. They are not intended for clinical use. Simport makes no warranty of merchantability of fitness for particular use of any product it manufactures or sells. It is up to the individual user to validate all products prior to running any protocol or experiment.

Under no circumstances shall Simport, be held liable for any kind of damages whatsoever, including loss of profit, loss of revenues with connection with the sale or the use of the goods, consequential damages resulting from the loss or property damage by its products.

Simport warrants that the goods shall be free from defects in workmanship and materials (except if such a defect has been caused by misuse, abuse, abnormal operation conditions, by accident, by an event of force majeure, by service or without seller's prior authorization) for a period of one (1) year following the invoice date. The seller's sole obligations under this warranty shall be, at the seller's option, to replace the defective goods or to refund to the purchaser the sums paid for such good. The seller does not give any other guarantee, either express or implied, with respect to the goods. To the extent permitted by the law, the purchaser renounces to any guarantee of any kind whatsoever.

No modification of these terms and conditions shall be applicable except if made in writing and signed by authorized representatives of the seller and the purchaser.

The present document supersedes any other agreement, either implied or made either verbally or in writing.

Sales shall be governed by and shall be construed in accordance with the Civil Code of Quebec (Canada). The parties agree to submit to the jurisdiction of the courts of the Province of Quebec, district of Montreal. The Incoterms 2000 regulations of the International Board of Trade shall also apply to the sale, to the extent that a shipment option relating to these regulations is indicated on the opposite side of the present document. In all cases, the regulations of the United Nations Convention on Contracts for the International Sale of Goods shall not apply to the present sale.

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And Many More!

TWIRL'EM® Sterile Sampling Bags

Labplas TWIRL'EM® Sterile Sampling Bags provide a secure, contaminant-free pliant container that ensures dependable analysis results. You can count on **TWIRL'EM®** products as a proven, economical and efficient way to collect, contain and carry samples. Our sterile bags are used for environmental sampling (surface samples), carcass sampling, biomedical and pharmaceutical research, quality assurance procedures (QA/QC), food industry applications and clinical and veterinary medicine.

Labplas TWIRL'EM® Sterile Sampling Bags comply with regulatory and industry requirements:

EPA (US Environment Protection Agency)
FDA (US Food and Drug Administration)
USDA (US Department of Agriculture)
HACCP (Hazard Analysis and Critical Control Point)

Characteristics

Labplas TWIRL'EM® Sterile Sampling Bags are made with highly resistant FDA approved virgin polyethylene tubing which eliminates side seals and ensures maximum bag mouth opening to facilitate sample insertion. The polyethylene tubing is extruded at 240 Celsius, which guaranties internal sterility. Equally important, the inside is never exposed to the environment during our production process.

TWIRL'EM® Sterile Sampling Bags are available in many sizes and wall thicknesses. We also manufacture both clear bags and bags with write-on strips.

TWIRL'EM® Sterile Sampling Bags come with a range of different closure systems: our standard version with two round wires; 1 round and 1 flat wire; or for large and heavy bags, a very strong closure consisting of 2 flat wires. **TWIRL'EM®** products are available with regular closure tabs or with safety tabs.

Sterile Sampling Bags - Regular Tabs

Cat. #	Size (mm)	Volume (ml)	Qty/Cs
Closure with 2 round wires, Clear			
BPL-3050	3 x 5 in. (76 x 127)	2 oz (60)	1000
BPL-3070	3 x 7 in. (76 x 178)	4 oz (120)	1000
BPL-4590	4.5 x 9 in. (114 x 229)	18 oz (540)	1000
BPL-4512	4.5 x 12 in. (114 x 305)	27 oz (810)	1000
BPL-4515	4.5 x 15 in. (114 x 382)	36 oz (1080)	1000
BPL-5590	5.5 x 9 in. (140 x 229)	24 oz (720)	1000
BPL-5515	5.5 x 15 in. (140 x 382)	42 oz (1260)	1000
BPL-7012	7 x 12 in. (178 x 305)	55 oz (1650)	1000
Closure with 2 round wires, Printed			
BPR-3050	3 x 5 in. (76 x 127)	2 oz (60)	1000
BPR-3070	3 x 7 in. (76 x 178)	4 oz (120)	1000
BPR-4590	4.5 x 9 in. (114 x 229)	18 oz (540)	1000
BPR-5590	5.5 x 9 in. (140 x 229)	24 oz (720)	1000
BPR-7012	7 x 12 in. (178 x 305)	55 oz (1650)	1000
Closure with 1 round and 1 flat wires, Clear			
BFL-3070	3 x 7 in. (76 x 178)	4 oz (120)	1000
BFL-4590	4.5 x 9 in. (114 x 229)	18 oz (540)	1000
BFL-5590	5.5 x 9 in. (140 x 229)	24 oz (720)	1000
BFL-5515	5.5 x 15 in. (140 x 382)	42 oz (1260)	1000
BFL-7012	7 x 12 in. (178 x 305)	55 oz (1650)	1000
Closure with 1 round and 1 flat wires, Printed			
BFR-3070	3 x 7 in. (76 x 178)	4 oz (120)	1000
BFR-4590	4.5 x 9 in. (114 x 229)	18 oz (540)	1000
BFR-5590	5.5 x 9 in. (140 x 229)	24 oz (720)	1000
BFR-7012	7 x 12 in. (178 x 305)	55 oz (1650)	1000

Sterile Bags

Labplas Sterile Blender Bags

SECURE-T® Blender Bags

Sterility at its best!
Now available with a vertical write-on strip!

Labplas SECURE-T® Blender Bags provide a malleable yet durable and contaminant-free container for the even blending of your samples. Uniform sample distribution ensures that your extraction is an accurate subset of your original sample. Applications vary from general blending purposes to sample preparation for analysis testing.

Our new optional vertical write-on strip makes it easy to label the bag for storage and you can still see the entire length of the contents.

Sterile Bags

SECURE-T / Individually Sterile Blender Bags - With Tear-Off Protection Strip

Cat. #	Size (mm)	Volume (ml)	Qty/Cs
SCL-4060	4 x 6 in. (102 x 152)	7.5 oz (225)	1000
SCL-7012	7 x 12 in. (178 x 305)	55 oz (1650)	1000
SCL47012	7 x 12 in. (178 x 305)	55 oz (1650)	1000
SCL-1520	15 x 20 in. (381 x 508)	600 oz (18 L.)	500
SCL41520	15 x 20 in. (381 x 508)	600 oz (18 L.)	500
SCR-7012	7 x 12 in. (178 x 305)	55 oz (1650)	1000

The SECURE-T® product is available with standard 3 thousandths of an inch or optional 4 thousandths of an inch wall thickness, made to handle the most robust blending applications. We use heat extruded virgin polyethylene tubing which guarantees internal sterility and eliminates the need for side seals. In addition to superior wall strength, SECURE-T® blender bags have a patented sterile barrier tear-off top which ensures internal sterility right up until the time of use. SECURE-T® bags are available for all size blenders.

Open Top Sterile Blender bags *The Strong Ones!*

Labplas also manufactures standard **Open Top Blender Bags**. These products are also made with extruded polyethylene plastic tubing and have no side seals. They come in a case of 1000 units which is subdivided into packages of 250 and again, packaged in sealed subsets of 25 bags per pouch. Our standard Blender Bags undergo gamma ray sterilisation and have no side seals. Our Blender Bags are also available with the new, optional write-on strip.

SECURE-T / Sterile Blender Bags - Open Top

Cat. #	Size (mm)	Volume (ml)	Qty/Cs
SCL07012	7 x 12 in. (178 x 305)	55 oz (1650)	1000
SCL01520	15 x 20 in. (381 x 508)	600 oz (18 L.)	500
SCR07012	7 x 12 in. (178 x 305)	55 oz (1650)	1000

FILTRA-BAG® *Strength and Precision Every Time!*

Labplas FILTRA-BAG® Blender Bags are designed to simplify taking an aliquot when working with samples which contain large amounts of residue and/or semi-solid/solid substances. When placing an aliquot onto growth media, it's very important that the volume of the aliquot be accurate and that it be free of solid particles. This prevents pipette blockage as well as uneven plate distribution.

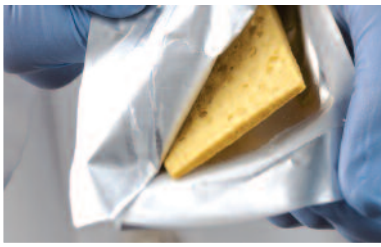
The FILTRA-BAG® was designed for compact samples that need to be liquefied and strained. That is why the bag is made with a polyethylene/nylon outer shell which practically eliminates the possibility of piercing the bag wall during blending. In addition, one of the walls has been given a fully transparent light blue tint to differentiate the individual compartments, therefore simplifying how to identify which side the aliquot should be taken from after blending. Most protocols indicate that the sample be inserted in the blue side, so the aliquot is extracted from the clear side after blending.

The dividing filter membrane has 1840 holes per square inch with a pore size of approximately 330 microns. This pore size has proven to be very effective for the majority of applications and allows for optimal solution and bacterial flow between the FILTRA-BAG® compartments during blending.

FILTRA BAG / Filtra Bags for Blender

Cat. #	Size (mm)	Volume (ml)	Qty/Cs
SCT04080A	4 x 8 in. (102 x 203)	12 oz (350)	400
SCT-4080A	4 x 8 in. (102 x 203)	12 oz (350)	400
EFT-4080A	4 x 8 in. (102 x 203)	12 oz (350)	400
SCT07012A	7 x 12 in. (178 x 305)	55 oz (1650)	400
SCT-7012A	7 x 12 in. (178 x 305)	55 oz (1650)	400
EFT-7012A	7 x 12 in. (178 x 305)	55 oz (1650)	400

Surface Sampling Kits: Sani-Sponge



The **Labplas SANI-SPONGE** kit is designed to collect samples to detect the presence of microbiological contaminations such as Listeria, Salmonella, E. coli, and other food-borne pathogens on almost any surface. These kits are widely used in the food, medical, public health and cosmetic industries. The **SANI-SPONGE** kit is convenient and easy to use, and helps eliminate several time-consuming steps.

Labplas SANI-SPONGE sampling kits are produced in accordance with HACCP, USDA, ACIA and CFIA requirements.

Labplas SANI-SPONGE Sampling Kits come in two forms:

Dry Sponge

TWIRL'EM® Sterile Sampling bag with write-on strip containing a dry biocide-free cellulose sponge (1.5 x 3 x 5/8 in. when hydrated)

Wet Sponge

TWIRL'EM® Sterile Sampling bag accompanied by a foil-sealed, pre-moistened cellulose sponge, holding 10 ml of the buffer of your choice (Neutralizing buffer-sterile, DE Neutralizing buffer-sterile, Butterfield phosphate buffer-sterile or Buffered peptone water-sterile)

All Labplas SANI-SPONGE TWIRL'EM® bags come with **safety tabs**. The puncture-proof tabs eliminate the sharp points that can cause bag puncture and/or abrasions.

SANI-SPONGE kits are sterilized using gamma irradiation.

SANI-SPONGE with dehydrated sponge:

1- Tear off the top of bag along the perforation.
2- Use pull-tabs to pull open the bag.
3- Hydrate sponge with buffer prior to removing it from the bag.
4- Take a sample by wiping the test surface with the hydrated sponge; put the sponge back into the bag when done.
5- Hold bags by wire ends and twirl 3 to 4 times too close, fold wire ends inward onto bag.

SANI-SPONGE with pre-moistened sponge:

1- Remove the pre-moistened sponge from the aluminum pouch.
2- Take a sample by wiping the test surface with the hydrated sponge.
3- Tear off the top of bag along the perforation.
4- Use pull-tabs to pull open the bag. Insert the sponge.
5- Hold bag by wire ends and twirl 3 to 4 times to close, fold wire ends inward onto bag.

STERILE BAGS

Cat. #	Size (mm)	Volume (ml)	Qty/Cs
KSS-61100	4.5 x 9 in. (114 x 229)	18 oz (540)	400
KSS-61130	4.5 x 9 in. (114 x 229)	55 oz (1650)	200

Water Sampling Kits

No more expensive rigid containers!

Labplas Water Sampling kits provide a quick and convenient way to collect chlorinated water specimens. Our sterile **Water Sampling** kits contain a nontoxic, nutritive tablet containing 10 mg of active sodium thiosulphate and are UPA-approved for drinking water analysis. The sodium thiosulphate instantly neutralizes halogen compounds (in this case chlorine) and enables effective bacterial or organic testing.

Labplas Water Sampling kits are designed to collect, carry and contain chlorinated water samples in aseptic conditions and are an economical and efficient alternative to rigid sampling containers.

Characteristics:

Labplas Water Sampling kits are made with highly resistant FDA-approved polyethylene. Key features are: maximum bag mouth opening to facilitate the insertion of water sample, a convenient write-on strip and volume markings for measurements.

All **Labplas Water Sampling** kit TWIRL'EM® bags come with safety tabs. The puncture-proof tabs eliminate the sharp points that can cause bag puncture and/or abrasions.

Labplas Water Sampling kits are sterilized using gamma irradiation.

Cat. #	Size (mm)	Volume (ml)	Qty/Pk
KWS-21100	3 x 7 in. (76 x 178)	4 oz (100)	100
KWS-22200	4.5 x 9 in. (114 x 229)	18 oz (540)	100

URISAFE®

Uniquely designed to be the most user friendly

24 HR URINE COLLECTION CONTAINER

Container made of high-density polyethylene
Cap made of polypropylene

Patented

CONTAINERS

1 The unique snap valve pour spout is easily popped open and offers dripless pouring
2 Specially designed leakproof screw cap with liner for safer transport
3 Large centrally located handle for good balance and ease of manipulation
4 Metal free and resistant to hydrochloric acid
5 In regular position, sample volume can be read in 100 ml increments
6 Place container in upright position and read in 50 ml increments

The patented URISAFE® Urine Collection Containers are USER FRIENDLY to both patients and laboratory personnel. Two sizes are available: A 3-liter, and a 4-liter size.

B350-4HCL
Urisafe with HCL Preservative

This model offers the convenience of being pre-filled with 30 ml 6N HCL. All patient instructions are clearly detailed on label. Each container is individually wrapped.

Cat. #	Vol. (Liters)	Dimensions (cm)	Qty/Cs
B350	3	11.5 x 24.5 x 16.0 H	40
B350-4L	4	11.5 x 24.5 x 20.1 H	30
B350-4HCL	4	11.5 x 24.5 x 20.1 H	30

CE

On the 4 liter model, urine can be poured into a tube by simply tilting the container forward without having to lift it.

The innovative cap:
- Snap valve pouring spout incorporated
- Leakproof: a cap liner ensures safe sample transport

The unique snap valve pour spout:
- Easily popped open or pushed shut
- Offers dripless pouring
- Controlled flow rate for better handling of poured volumes
- Reduced risks of aerosol contamination when pouring
- Eliminates splashing and exposure to hazardous body fluids

Low form design:
- Convenient refrigerator storage with less wasted space
- Anatomically designed for ease of patient use

Large central handle:
- Can be gripped confortably with three fingers
- Permits pouring off of samples with ease and reduces fatigue

Chemically resistant:
- Metal, latex, zinc and fluorescence free
- Resistant to hydrochloric acid.
- Can be subjected to freezing, thawing and EtO gas sterilisation without causing changes in materials or physical appearance

Graduated vertically and horizontally:
- Graduations are easy to read
- Place container upright and read in 50 ml increments
- In regular position, read in 100 ml increments
- Both scale graduations are approximate

URITAINER™

24 HR URINE COLLECTION CONTAINER

Container made of high-density polyethylene
Cap made of polypropylene

B360-35

B360-25

Large handle can be gripped confortably

For all models, the unique snap valve pour spout is easily popped open and offers dripless pouring.

1 The unique snap valve pour spout is easily popped open and offers dripless pouring
2 Specially designed leakproof screw cap with liner for safer transport
3 Metal free and resistant to hydrochloric acid
4 Large handle can be gripped confortably
5 Volume level read in 50 ml increments

This more conventional style urine bottle is available in 2 sizes: 2.5 L and 3.5 L. However, it incorporates some of the great features of the URISAFE 24 Hr Urine Collection Container.

Cat. #	Vol. (Liters)	Dimensions (cm)	Qty/Cs
B360-25	2.5	33.3 x 13.3 x 23.2 H	40
B360-35	3.5	33.3 x 13.3 x 29.5 H	24

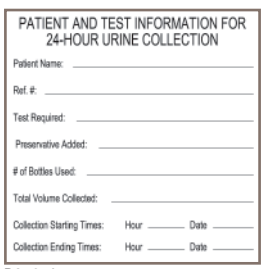
CE

Labels for URISAFE® & URITAINER™ Containers

Three optional labels are offered

- Patient identification label
- Patient instruction label
- Caution label

Cat. #	Description	Qty/Roll	QtyPk
B350-4	Patient identification label	100	1000
B350-5	Patient instruction label	100	1000
B350-6	Caution label	100	1000


PATIENT AND TEST INFORMATION FOR 24-HOUR URINE COLLECTION

Patient Name: _____

Ref. #: _____

Test Required: _____

Preservative Added: _____

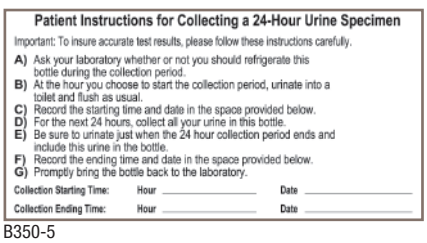
# of Bottles Used: _____

Total Volume Collected: _____

Collection Starting Times: Hour _____ Date _____

Collection Ending Times: Hour _____ Date _____

B350-4


Patient Instructions for Collecting a 24-Hour Urine Specimen

Important: To insure accurate test results, please follow these instructions carefully.

A) Ask your laboratory whether or not you should refrigerate this bottle during the collection period.
B) At the hour you choose to start the collection period, urinate into a toilet and flush as usual.
C) Record the starting time and date in the space provided below.
D) For the next 24 hours, collect all your urine in this bottle.
E) Be sure to urinate just when the 24 hour collection period ends and include this urine in the bottle.
F) Record the ending time and date in the space provided below.
G) Promptly bring the bottle back to the laboratory.

Collection Starting Time: Hour _____ Date _____

Collection Ending Time: Hour _____ Date _____

B350-5

CAUTION!

This bottle contains a strong preservative chemical. Do not breathe vapor. Do not spill or get on skin.

B350-6

The innovative cap:

- Snap valve pouring spout incorporated
- Leakproof: a cap liner ensures safe sample transport

The unique snap valve pour spout:

- Easily popped open or pushed shut
- Offers dripless pouring
- Controlled flow rate for better handling of poured volumes
- Reduced risks of aerosol contamination when pouring
- Eliminates splashing and exposure to hazardous body fluids

Large central handle:

- Can be gripped confortably
- Permits pouring off of samples with ease and reduces fatigue

Chemically resistant:

- Metal and latex free
- Zinc and fluorescence free
- Resistant to hydrochloric acid
- Can be subjected to freezing, thawing and EtO gas sterilisation without causing changes in materials or physical appearance

Antistatic Weighing Dishes

D250
Antistatic Weighing Dishes

Made of antistatic polystyrene

Simport Weighing Dishes will resist diluted acids, aqueous solutions, alcohols and bases. They are ideal for many applications such as weighing, dispensing or storing. They are safe, contaminant-free, biologically inert, economical containers for weighing liquid or powdered samples in the laboratory. Flat bottoms ensures perfect stability on counters. They have a smooth surface providing accurate pour-outs with minimal sample loss and facilitating weighing of static-affected samples.

Simport dishes can also be used as quick freeze trays for sample material, discard trays for broken ampules, or mixing trays for small batches. Will withstand temperatures up to 80 ºC.

Cat.#	Volume (ml)	Dimensions (mm)	Qty/Pk	Qty/Cs
D250-1	10	41 x 41 x 8 H	500	4000
D250-2	110	89 x 89 x 25 H	500	500
D250-3	335	140 x 140 x 25 H	500	500

Containers

D251
Antistatic Pour Boats

Made of antistatic polystyrene

These 3 sizes of pour boats are specially made to facilitate dispensing of powdered and liquid materials. Smooth, uniform and economical the molded material used is thicker than conventional weighing dishes. Can be used safely to weigh static-affected materials. Will withstand temperatures up to 80 ºC.

Cat.#	Volume (ml)	Dimensions (mm)	Qty/Pk	Qty/Cs
D251-1	21	55 x 45 x 8 H	250	2000
D251-2	135	130 x 90 x 25 H	–	250
D251-3	295	190 x 121 x 25 H	–	250

D252
Antistatic Hexagonal Weighing Dishes

Made of antistatic polystyrene

Excellent for handling solids or liquids during weighing. Easily bent into pouring spouts, the dishes enable non-spill transfer. Molded hexagonal design provides greater balance protection and safety. Not reactive with most substances. Suitable for weighing of static-affected samples. The dishes are stackable for easy storage. Will withstand temperatures up to 80 ºC.

Cat.#	Volume (ml)	Top I.D. (mm)	Base I.D. (mm)	Qty/Pk	Qty/Cs
D252-1	9	35	25	500	4000
D252-2	58	64	47	–	500
D252-3	203	110	85	–	500
D252-4	355	130	89	–	500

B352
Specimen Bottle

Made of polypropylene

Features a dip-stick well for small volume testing and a pour spout for dripless pouring. Translucent, with a stable square base. Can be autoclaved. Also useful as a drosophila stock bottle.

Graduated from 0 to 170 ml and from 0 to 6 oz.

Snap cap supplied separately (see B352-1).

Cat. #	Vol. (ml)	Size (mm)	Neck dia.	Qty/Cs
B352	170	55 x 55 x 102 H	34 mm	500

B352-1
Snap Cap for B352 Specimen Bottle

Made of polyethylene

Cat. #	Outside dia.	Qty/Cs
B352-1	46 mm	2000

CONTAINERS

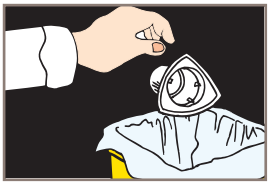
B700
TRICORN™ Beakers

Made of polypropylene

Tricorn™ beakers provide three dripless pouring spouts. Tough, unbreakable and suitable for use with commonly used acids, alkalies and solvents. Autoclavable.

Cat. #	Vol. (ml)	Graduations (ml)	Size (mm)	Qty/Cs
B700-50	50	5	49 x 57 H	100
B700-100	100	10	58 x 72 H	100
B700-250	250	10	76 x 90 H	100
B700-400	400	20	85 x 108 H	100
B700-800	800	50	107 x 133 H	100
B700-1L	1000	50	115 x 145 H	100

Special Features and Benefits



A sturdy translucent reusable beaker that can be autoclaved, yet inexpensive enough to be disposable.

Dripless pouring spout offers more security.

If they fall, they will not break like glass beakers do.

B720-13 & 16

SeraNest™ Sample Cups

Made of polystyrene

These sample cups will hold perfectly on top of blood collection tubes. Just pour the blood sample into a SeraNest™ and its low shoulder will hold securely on tube. No need to relabel. Two sizes available.

Cat. #	Dia.	Volume	Qty/Bag	Qty/Cs
B720-13	13 mm	1 ml	1000	5000
B720-16	16 mm	2 ml	1000	5000

B720-8

Analyzer Cups for Hitachi Systems 705, 706 & 712

Made of polystyrene

Capacity: 2 ml
Diameter: 12.5 mm
Packaged in bags of 1000, case of 10,000

B720-40

Fibrin Cups

Made of polyethylene

Precision molded for constant volume and uniform heat transfer.

Capacity: 1.3 ml, packaged in bags of 1000, case of 10,000

CONTAINERS

C200G

SputEm™ Sputum Collection System

Made of polypropylene

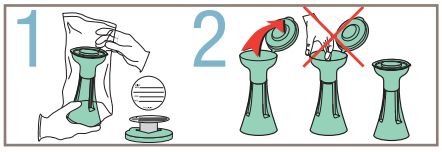
The ideal way to collect, carry and process biological samples. The unit features a base which already incorporates a removable sterile 50 ml graduated polypropylene conical tube that can withstand centrifugation up to 5000 RPM, or 3000g.

Available in a light green color, this unit is most attractive on a bedside table. Three narrow vertical windows allow the contents of the tube to be discreetly seen. A wide base ensures great stability and prevents tipping of the unit. The large collection funnel is made in such a way that specimens fall directly into the graduated centrifuge tube and do not contaminate the outside threads. The centrifuge tube screw cap is being kept sterile at all times under the snap cap on top of the funnel.

A patient label is already affixed on top of the unit and can easily be transferred to the tube before leaving for the laboratory. The base can be used as a support during transit. Each unit is sterile and individually wrapped.

Cat. #	Color	Qty/Cs
C200G	Green	72

BEFORE COLLECTION



- Remove from package.
- Fill out patient label.
- Lift the hinged lid.
- Avoid touching inside of funnel.
- Close lid after each use.

AFTER COLLECTION

- Remove patient label and set it aside.
- Remove snap cap to expose sputum tube threaded cap.
- Remove funnel top and invert over tube.
- Squeeze middle part of Sputum Collection System and screw tube into threaded cap.
- Discard funnel top.
- Place patient label on side of tube.
- Place tube back in its base and send to lab.

C300
BIODISPOSER™
Portable Sharps Disposal Containers

1 liter phlebotomy size – Made of polypropylene

These containers ensure safe and convenient disposal of blood collecting equipment, such as: hypodermic and IV needles, etc. Will safely sheathe or unwind needles after use. Slot securely grips the needle hub, and a simple twist releases the needle from the holder, allowing it to fall into the container. This 1-liter container holds approximately 500 blood needles. Its flexible port design accommodates other disposal needs as well. This polypropylene container and cover can be flash autoclaved without melting. Available in two colors: red and yellow. Dimensions: 8.89 cm x 8.89 cm x 15.24 cm H (3 x 3 x 6 in. H)

Cat. #	Color	Qty/Cs
C300-1R	Red	50
C300-1Y	Yellow	50

C570-12
Non Sterile Disposable Specimen Container

Polypropylene Container - Polyethylene Screw Cap

Graduated. Heavy-duty thick wall construction of both container and lid ensures a positive leakproof seal time after time. The drip ring on the container reduces the chances of contamination.

Wide base design for stable reliable use. Molded-in graduations up to 128 ml / 4 oz. **Supplied non sterile** and packaged in bags of 100 stacked by 10's. Yellow caps packed separately in bags of 100.

Cat. #	Packaging	Qty/Cs
C570-12	Bags/100	500

C590
FlexTainer™ Containers

Made of polyethylene

This is a great space-saving expandable accordion-type jug which flattens down for easy transport. Great for carrying and storing numerous types of fluids, it is suitable for any laboratory. The FlexTainer™ folds away for easy storage. Made of high strength polyethylene, it features a comfortable carry grip and screw-on cap with on/off spout. It is available in many sizes up to 8 litres. Each bottle is individually wrapped.

Cat. #	Volume	Qty/Pk	Qty/Cs
C590-3L	3 Liters	12	48
C590-5L	5 Liters	12	48
C590-8L	8 Liters	12	36

Spigot can be adjusted for more accurate handling of flow rate.

Spigot is easy to open and close with one finger.

C575
SecurTainer™ I Tamper Evident Specimen Containers

Better be safe than sorry! TAMPER EVIDENT For your sample protection

Container made of polypropylene
Closure made of polyethylene

Especially designed for collection, transport and storage of specimens, Simport offers shatter resistant polypropylene containers, eliminating most problems of leakage and evaporation. Containers are uniquely stackable, shatter resistant and are manufactured from virgin, high-clarity polypropylene. The magenta lids are ribbed for easy opening when hands are wet or gloved while the jars are stackable for easy, safe storage and translucent to allow specimens to be viewed without opening. They are manufactured from virgin polyethylene with a unique integrated leak-resistant seal. Containers are available in the more rigid straight side format.

The uniqueness of the SecurTainer™ is that it incorporates a unique tamper evident screw cap ensuring your peace of mind during transport or storage situations where someone might have manipulated the specimen without your prior knowledge. Can also be used without using the tamper evident locking mechanism. For color coding purposes, use a Capinsert™ on top of the closure (see Series T345). Ten different colors are available.

Both containers and caps are manufactured without the use of plasticisers or mold release agents. All material used in manufacture are free from latex. All containers are 95kpa compliant. Available in many sizes from 20 to 120 ml. Non sterile. Containers and caps packaged separately in bags of 100. Five bags per case.

Cat. #	Volume	Qty/Pk	Qty/Cs
C575-20MA	20 ml	100	500
C575-40MA	40 ml	100	500
C575-60MA	60 ml	100	500
C575-90MA	90 ml	100	400
C575-120MA	120 ml	100	300

Place sample in container

Push up tab on side of vial.

Screw on Tamper evident cap completely.

When opening the vial, the tamper evident ring will detach itself from the cap.

The SecureTainer™ I can also be used without the tamper evident feature.

C576
SecurTainer™ II Tamper Evident Specimen Containers

Better be safe than sorry! TAMPER EVIDENT For your sample protection

Container made of polypropylene
Closure made of polyethylene

This model uses a different tamper evident concept when compared to the C575 Series. No locking tab to push up is necessary when the tamper evident feature is used. Simply screw the cap on the container and the tamper evident sealing ring is automatically locking in place. When unscrewed, the ring is detached from the cap, showing clearly that the container was opened.

Also designed for collection, transport and storage of specimens, the polypropylene containers are safe to use even in adverse conditions. Containers are uniquely stackable, shatter resistant and are manufactured from virgin, high-clarity polypropylene. They are available in the more rigid straight side format. Available in many sizes from 20 to 120 ml. Non sterile. Containers and caps packaged separately in bags of 100. Five bags per case.

Cat. #	Volume	Qty/Pk	Qty/Cs
C576-20MA	20 ml	100	500
C576-40MA	40 ml	100	500
C576-60MA	60 ml	100	500
C576-90MA	90 ml	100	400
C576-120MA	120 ml	100	300

Screw cap on until a clicking noise is heard. This is when the plastic ring is firmly seated and locked over the container threads. When removing the tamper evident screw cap for the first time, the perforation is severed, thereby ensuring easy recognition that the container has been opened.

For color coding purposes, use a Capinsert™ on top of the closure. Ten different colors are available. (see T345 Series)

For more details and colors available please refer to page 111.

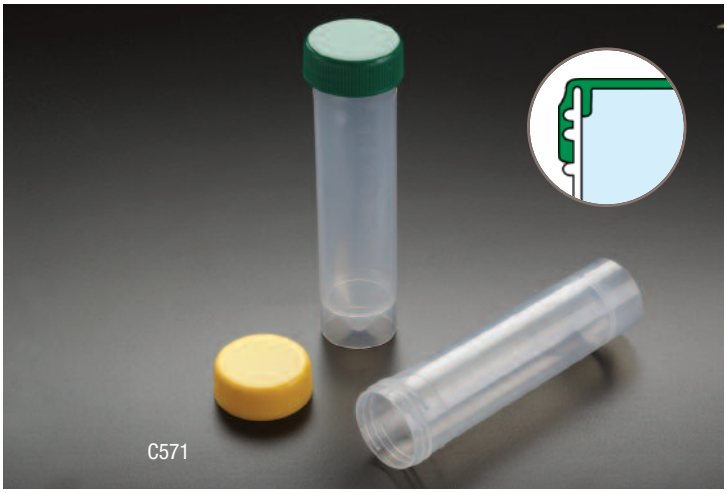
C571 & C572

30 and 50 ml Sample Tubes

Tube made of polypropylene / Cap made of polyethylene

Conical bottom tubes with self-standing base graduated from 10 to 30 ml and 10 to 50 ml respectively in 5 ml increments. Chemically resistant and shatterproof, they are supplied with a leakproof screw cap, particularly important when transporting hazardous material. Ideal for transport and storage of urine, sputum and most liquids or particulate samples. Molded-in graduations make them easy to read. Available sterile or non sterile. The caps of Series C572 accept T345 Capinserts (see page 111 for details and colors). Functional temperature range: -90 °C to +121 °C.
30 ml tube dimensions: 25.3 mm dia x 111 mm length.
50 ml tube dimensions: 30 mm dia x 115 mm length.

T345 CapInserts™ are available for a multitude of Simport products. For more details and colors available please refer to page 111.



50 ml Sample Tube

Cat. #	Type	Volume (ml)	Color of cap	Qty/Bag	Qty/Cs
C571-1	Sterile	50	Green	25	500
C571-2	Non sterile	50	Yellow	100	500

30 ml Sample Tube

Cat. #	Type	Volume (ml)	Color of cap	Qty/Bag	Qty/Cs
C572-1	Sterile	30	White	25	500
C572-2	Non sterile	30	White	100	500

CONTAINERS

C580

Specimen Containers with Snap Cap

Container made of Polypropylene / Snap Cap made of Low Density Polyethylene

These disposable containers made of polypropylene, are ideal for collection and storage of fluids, powders, solids, pathology specimens and hazardous samples. Lids are tight fitting.

Cat. #	(ml/oz)	Opening (mm)	Height (mm)	Qty/Cs
C580-3	300/10	111	45	100
C580-4	500/17	111	75	100
C580-5	1000/34	111	140	100

C581

Tamperproof Specimen Containers

Container made of polypropylene / Closure made of polyethylene

These disposable containers are ideal for collection, transport and storage of fluids, powders, solids, pathology specimens and hazardous samples. Tight-fitting lids prevent leaks and odors. They incorporate a tamperproof lid which is opened by first removing tab on side of lid, then by lifting the cover. They resist temperatures up to 121 °C. The two larger sizes are supplied with a plastic handle for easy carrying.

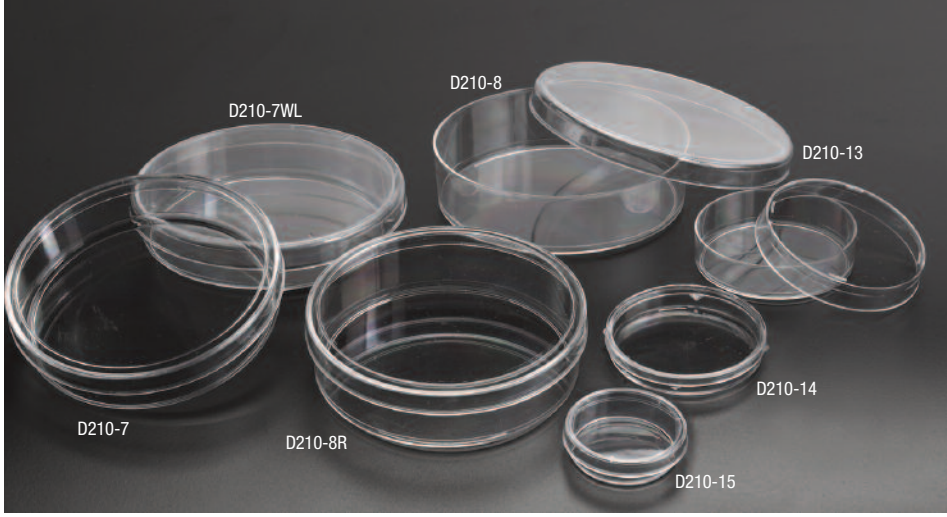
Cat. #	(ml/oz)	Opening (mm)	Height (mm)	Qty/Cs
C581-300	300/10	111	45	100
C581-500	500/17	111	75	100
C581-1L	1000/34	111	140	100
C581-2L	2500/80	150	168	25
C581-5L	5500/170	215	190	10

D210
Sterile Petri Dishes

Made of polystyrene

Simport Petri dishes are available in a variety of shapes and sizes for use in routine procedures and with automated equipment. Economical, optically clear dishes are precision-molded from biomedical grade polystyrene so cultures are clearly visible without distortion. Dishes are packaged in heavy-wall polyethylene sleeves. **Not for tissue culture application.**

Cat. #	Actual Dim. (mm)	Vol. (ml)	Qty/Sleeve	Qty/Cs
D210-7	90 x 20	100	20	500
D210-7WL	90 x 20	100	20	500
D210-8	90 x 25	125	20	500
D210-8R	90 x 25	125	20	500
D210-13	55 x 13	28	20	500
D210-14	50 x 8	12	20	500
D210-15	35 x 10	9	20	500



D210-7 Commonly refered to as a 100 mm x 20 mm dish
For unimpaired observation of specimen growth with raised straight ridge around top for stable stacking

D210-7WL Commonly refered to as a 100 mm x 20 mm dish
This dish has three venting ribs into the underside of the lid to prevent condensation build-up

D210-8 Commonly refered to as a 100 mm x 25 mm dish
Accommodates deeper fills for longer culture periods. Used for fungal cultures, plant propagation. This dish has three venting ribs into the underside of the lid to prevent condensation build-up.

D210-8R Commonly refered to as a 100 mm x 25 mm dish
Similar to D210-8 but with non-vented lid having a raised straight ridge around top for stable stacking

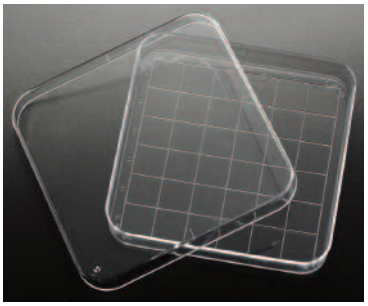
D210-13 Commonly refered to as a 60 mm x 15 mm dish
For use whenever a small quantity of culture is desirable. For unimpaired observation of specimen growth with raised straight ridge around top for stable stacking. This dish has three venting ribs on the edge of the dish to prevent condensation build-up.

D210-14 Commonly refered to as a 50 mm x 9 mm dish
Box type dish, for classroom studies, water studies, culturing of mycobacteria, aerosol testing, membrane filter and immunodiffusion techniques. Tight lid prevents sample dehydration.

D210-15 Commonly refered to as a 35 mm x 10 mm dish
Selected for small quantities of culture media. For unimpaired observation of specimen growth with raised straight ridge around top for stable stacking. This dish has three venting ribs into the underside of the lid to prevent condensation build-up.

Petri Dishes

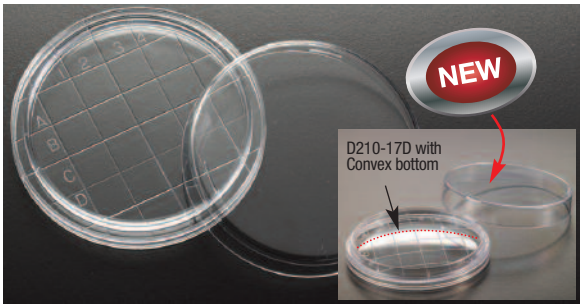
D210-16 Square Petri Dish with Grid



Made of polystyrene

Commonly refered to as a 100 mm x 15 mm dish
Free from optical distortion and sterile. These dishes are ideal for phage typing, susceptibility testing, plate counts, and probe assays. Each 13 mm grid is marked numerically in one direction and alphabetically in the other. This dish has four venting ribs into the underside of the lid to prevent condensation build-up.

Cat. #	Actual Dim. (mm)	Vol. (ml)	Qty/Sleeve	Qty/Cs
D210-16	90 x 15	110	10	500



D210-17 Contact Plate

Made of polystyrene

These dishes are free from optical distortion and are sterile. The grid is 10 x 10 mm with numbered and lettered squares to facilitate counting and to locate colonies. The D210-17D model is designed with a convex bottom to save on culture medium.

Cat. #	Actual Dim. (mm)	Vol. (ml)	Qty/Sleeve	Qty/Cs
D210-17	60 x 15	20	20	500
D210-17D	60 x 15	15	20	500

D210-18 Absorbent Pad Petri Dishes

Made of polystyrene

These 50 x 9 mm sterile petri dishes with absorbent pads are ideal for culturing micro-organisms on either agar or broth based media. Designed to accommodate 47 mm diameter membrane filters. These dishes are stackable and have squared off edges on both the top and bottom which provide convenient grips for one handed opening. The snug fitting top ensures that neither the absorbent pad nor the agar media will dry out during incubation. A frosted area on top of lid permits labeling.

Cat. #	Size (mm)	Style	Qty/Sleeve	Qty/Cs
D210-18A	50 x 9	Without Pads	20	500
D210-18B	50 x 9	With Pads	20	500

L200
INO-LOOP™ Inoculating Loops and Needles

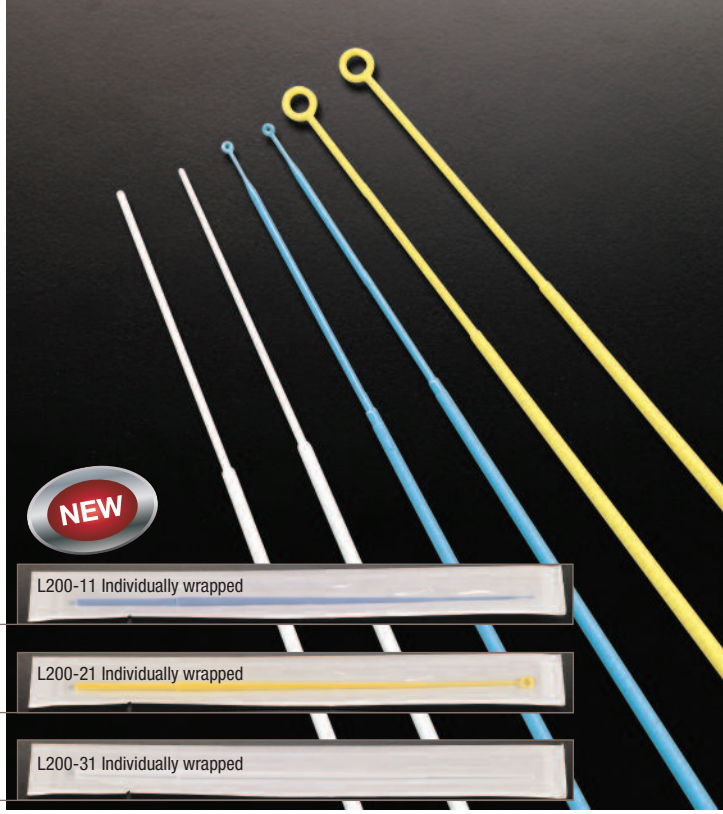
Made of high impact polystyrene

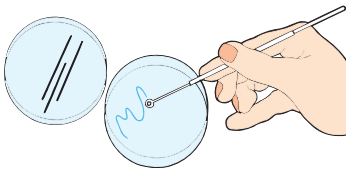
Loops and needles are smooth and flexible to facilitate uniform streaking without damaging the gel surface. Needles are straight and suitable for removal of specimens of single colonies. Packed sterile in safe, tamperproof, zip-seal resealable bags.

Disposable inoculating loops and needles do not require flaming and thus eliminate the risk of infection due to aerosol formation of pathogenic substances.

Cross contamination due to improper sterilization is eliminated. They can be used under hoods without danger, and are color-coded for ease of size identification. Certificate of conformity available upon request. Total length: 227 mm

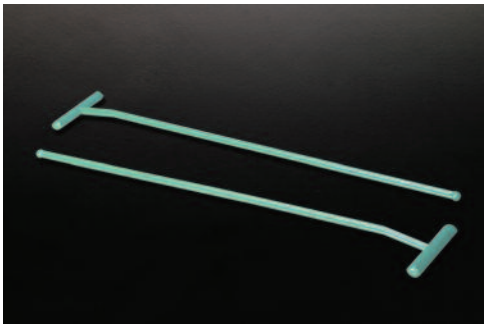
Cat. #	Description	Color	Qty/Pk	Qty/Cs
L200-1	Loop 1µl	Blue	25	1000
L200-1A	Loop 1µl	Blue	10	1000
NEW L200-11	Loop 1µl	Blue	1	250
L200-2	Loop 10µl	Yellow	25	1000
L200-2A	Loop 10µl	Yellow	10	1000
NEW L200-21	Loop 10µl	Yellow	1	250
L200-3	Needle	White	25	1000
L200-3A	Needle	White	10	1000
NEW L200-31	Needle	White	1	250





Smooth loop surface provides uniform and gentle streaking.

INOCULATING LOOPS

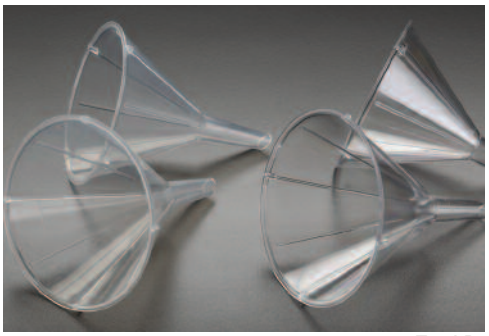


L300
Bacterial Cell Spreader

Made of high impact polystyrene

No flame sterilization needed. Designed for easy spreading of cells onto the surface of an agar plate. Supplied sterile in individual packs. Total length of handle: 176 mm, width of spreader: 36 mm

Cat. #	Sterile	Color	Qty/Pk	Qty/Cs
L300	Yes	Green	1	100



F490
Disposable Funnels

Made of either polystyrene or polypropylene

Both are tapered at a 60° angle with inside fluting.

Cat. #	Material	Top I.D. (mm)	Height (mm)	Stem Length (mm)	Stem Opening (mm)	For use with Paper dia.	Qty/Cs
F490-1	Polystyrene	55	69	25	4.3	11 cm	100
F490-2	Polystyrene	65	78	30	4.3	12.5 cm	100
F490-3	Polypropylene	55	69	25	4.3	11 cm	100
F490-4	Polypropylene	65	78	30	4.3	12.5 cm	100

Histology™ Family

ACCEPT NO IMITATIONS

Thanks to years of experience in precision plastic molding, Simport offers you the widest choice of Histology Disposables on the market. By choosing Simport, you will be sure to find a cassette especially suited to fill your specific needs when processing regular tissue samples, single and multiple biopsies and also large specimens. Most models can be used with automated labeling machines. Simport also manu-factures many products to assist you with transportation, storage and staining of microscope slides.

Here is a brief list of available products:

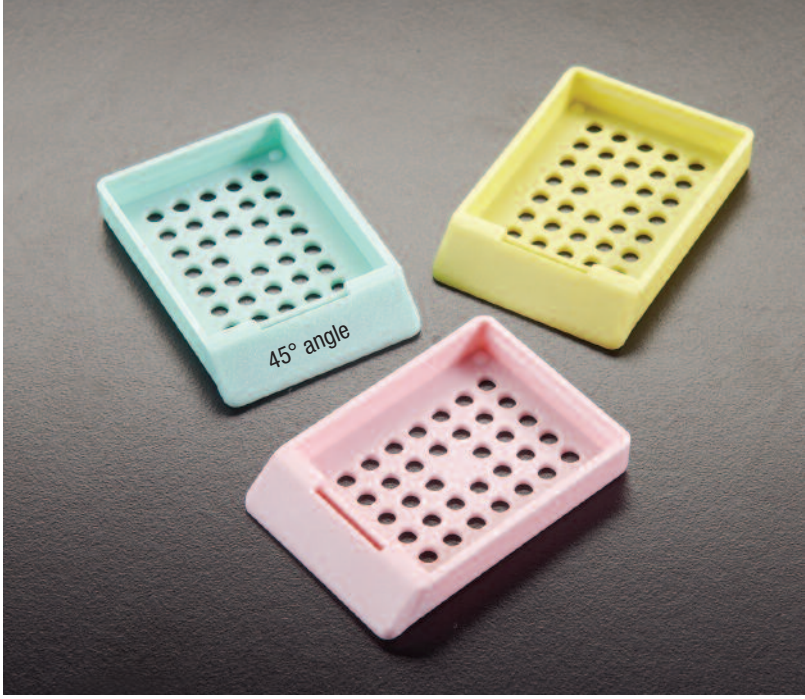
Biopsy Foam Pads
Cassettes for Printers
Cytology Funnels
Disposable Base Molds
Dissecting Boards
Drain Racks
Embedding Rings
Microscope Slide Folder
Microscope Slide Mailer
Microscope Slide Staining Systems
Microscope Slide Storage Boxes
Microscope Slide Tray
Modular Storage Drawers
Prefilled Specimen Containers
Tissue Capsules
Tissue Cassettes with Metal Lid
Tissue/Biopsy Cassettes with Plastic Lid

M480
Embedding Cassettes

Made of acetal polymer

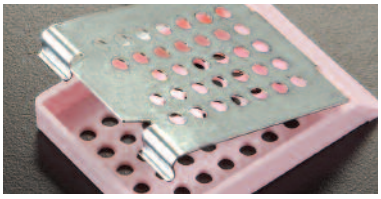
Disposable plastic tissue cassettes are suitable for holding and identifying tissue samples in processing, embedding, and sectioning procedures. The cassettes fit securely in microtome chuck adapters. They are molded from a high density polymer that is totally resistant to the chemical action of histological solvents. These cassettes are designed to accept standard metal lids (cat.# M481) and will keep specimens in complete safety during processing. The slanted writing surface accepts markings easily, permitting sample identification throughout all stages of embedding and long afterwards when in archives. They are available in 11 colors. Each case contains 3 dispenser boxes of 500 cassettes.

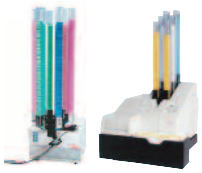
Cat. #	Color	Qty/Cs	Cat. #	Color	Qty/Cs
M480-2	White	1500	M480-8	Tan	1500
M480-3	Pink	1500	M480-9	Gray	1500
M480-4	Green	1500	M480-10	Lilac	1500
M480-5	Yellow	1500	M480-11	Orange	1500
M480-6	Blue	1500	M480-12	Aqua	1500
M480-7	Peach	1500			



M481
Metal Lid for M480 Cassette

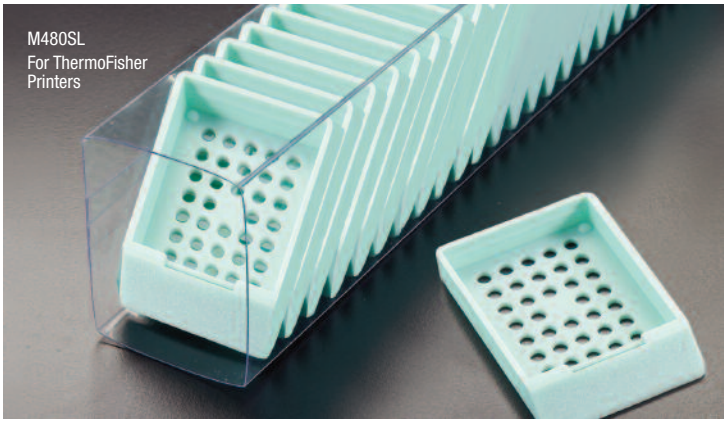
Cat. #	Description	Qty/pk
M481	Metal Process Cover	25

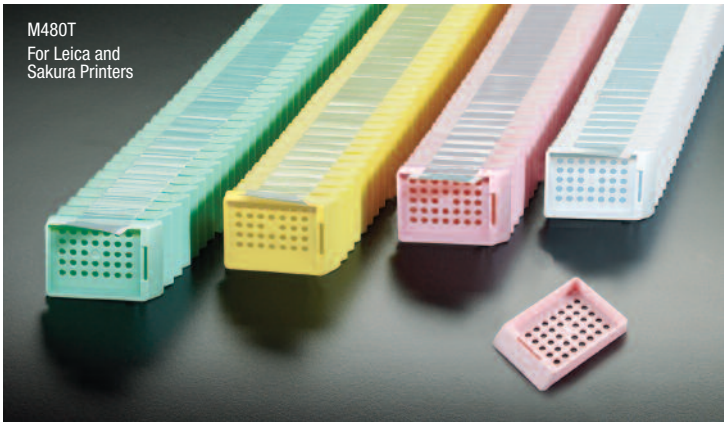




Compatible with all cassette printers

CASSETTES





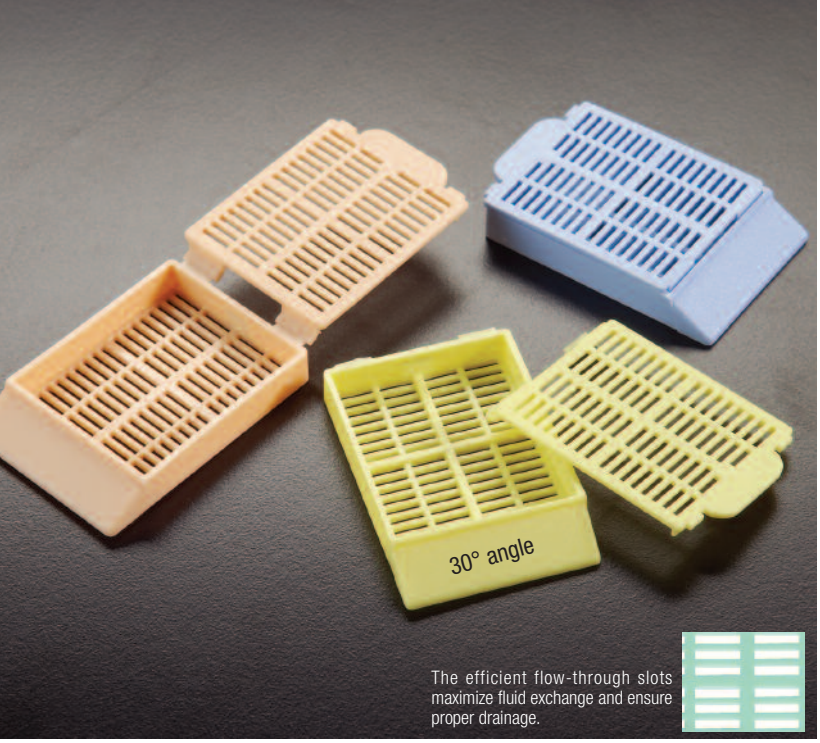
M480SL & M480T
Cassettes in **QuickLoad™** Sleeves and Stacks

Made of acetal polymer

The sleeved cassettes are especially made to be used with ThermoFisher printers. Cassettes with tape are to be used with Leica and Sakura Ink Jet printers. Molded from a special high density acetal polymer, they keep specimens safely submerged and are totally resistant to the chemical action of solvents used in histology laboratories. The efficient flow-through slots maximize fluid exchange and ensure proper reagent drainage.

In Sleeves Cat. #	Qty/Cs	In Stacks Cat. #	Qty/Cs	Color
M480-2SL	750	M480-2T	2000	White
M480-3SL	750	M480-3T	2000	Pink
M480-4SL	750	M480-4T	2000	Green
M480-5SL	750	M480-5T	2000	Yellow
M480-6SL	750	M480-6T	2000	Blue
M480-7SL	750	M480-7T	2000	Peach
M480-8SL	750	M480-8T	2000	Tan
M480-9SL	750	M480-9T	2000	Gray
M480-10SL	750	M480-10T	2000	Lilac
M480-11SL	750	M480-11T	2000	Orange
M480-12SL	750	M480-12T	2000	Aqua

Fluo Pink, Fluo Green and Fluo Yellow are also available.
Minimum quantities apply. Contact us for more details.



The efficient flow-through slots maximize fluid exchange and ensure proper drainage.

M490
HISTOSETTE ® I
Tissue Processing / Embedding Cassettes

Made of acetal polymer

Disposable plastic cassettes hold tissue specimens during the embedding process, as well as in a storage file. Molded from a special high density polymer, these cassettes keep specimens safely submerged in liquid and are totally resistant to the chemical action of histological solvents. The efficient flow-through slots maximize fluid exchange and ensure proper drainage. The one-piece integral lid eliminates the need for separate steel lids. **Just snap apart and conveniently lock the lid into the base of the cassette**. They can be opened or closed as often as necessary and they always relock securely without danger of specimen loss. Large labeling areas are located on three sides of the cassette for your convenience. Anterior writing area at a 30° angle. Not suitable for automated printers.

Each case contains 3 dispenser boxes of 500 cassettes.

Tissue Cat. #	Biopsy Cat. #	Color	Qty/Cs
M490-2	M491-2	White	1500
M490-3	M491-3	Pink	1500
M490-4	M491-4	Green	1500
M490-5	M491-5	Yellow	1500
M490-6	M491-6	Blue	1500
M490-7	M491-7	Peach	1500
M490-8	M491-8	Tan	1500
M490-9	M491-9	Gray	1500
M490-10	M491-10	Lilac	1500
M490-11	M491-11	Orange	1500
M490-12	M491-12	Aqua	1500

Fluo Pink, Fluo Green and Fluo Yellow are also available. Minimum quantities apply. Contact us for more details.

CASSETTES

M491
HISTOSETTE ® I
Biopsy Processing / Embedding Cassettes

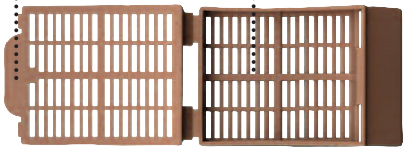
Made of acetal polymer

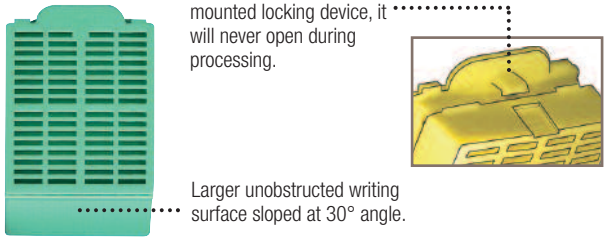
Disposable plastic cassettes similar to Series M490 but specially designed to **hold biopsy specimens during the embedding process, as well as in a storage file**. Anterior writing area at a 30° angle. Not suitable for automated printers.

Each case contains 3 dispenser boxes of 500 cassettes.

1 mm square openings will safely protect Biopsies. Refer to page 40 should Biopsy Foam Pads be necessary.

Anatomy of a Histosette® I





M498 & M499
HISTOSETTE® I
Tissue & Biopsy Processing / Embedding Cassettes

The efficient flow-through slots maximize fluid exchange and ensure proper drainage.

1 mm square openings will safely protect Biopsies. Refer to page 40 should Biopsy Foam Pads be necessary.

Made of acetal polymer

These cassettes are identical to Series M490 but the anterior writing area has a 45° instead of a 30° angle. The more acute angle makes these cassettes more suitable to be used with some models of cassette labeling instruments.

These disposable plastic cassettes hold tissue specimens very efficiently during the embedding process, as well as in a storage file. Molded from a special high density polymer, these cassettes keep specimens safely submerged in liquid and are totally resistant to the chemical action of histological solvents. The efficient flow-through slots maximize fluid exchange and ensure proper drainage. The one-piece integral lid eliminates the need for separate steel lids. Just snap apart and conveniently lock the lid into the base of the cassette. They can be opened or closed as often as necessary and they always relock securely without danger of specimen loss. Large labeling areas are located on three sides of the cassette for your convenience. Each case contains 3 dispenser boxes of 500 cassettes.

CASSETTES

Tissue Cat. #	Biopsy Cat. #	Color	Qty/Cs
M498-2	M499-2	White	1500
M498-3	M499-3	Pink	1500
M498-4	M499-4	Green	1500
M498-5	M499-5	Yellow	1500
M498-6	M499-6	Blue	1500
M498-7	M499-7	Peach	1500
M498-8	M499-8	Tan	1500
M498-9	M499-9	Gray	1500
M498-10	M499-10	Lilac	1500
M498-11	M499-11	Orange	1500
M498-12	M499-12	Aqua	1500

Fluo Pink, Fluo Green and Fluo Yellow are also available. Minimum quantities apply. Contact us for more details.

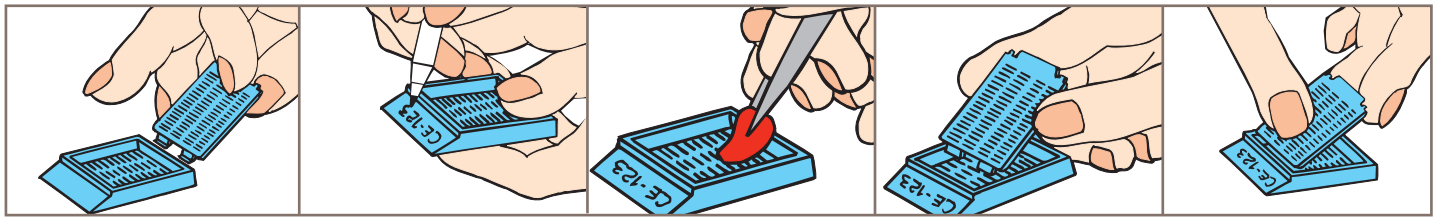
M499
HISTOSETTE ® I
Biopsy Processing / Embedding Cassettes

Made of acetal polymer

This model of cassette is similar to Series M498 and is specially designed to **hold biopsy specimens during the embedding process**.

Each case contains 3 dispenser boxes of 500 cassettes.

How to use a Histosette® I



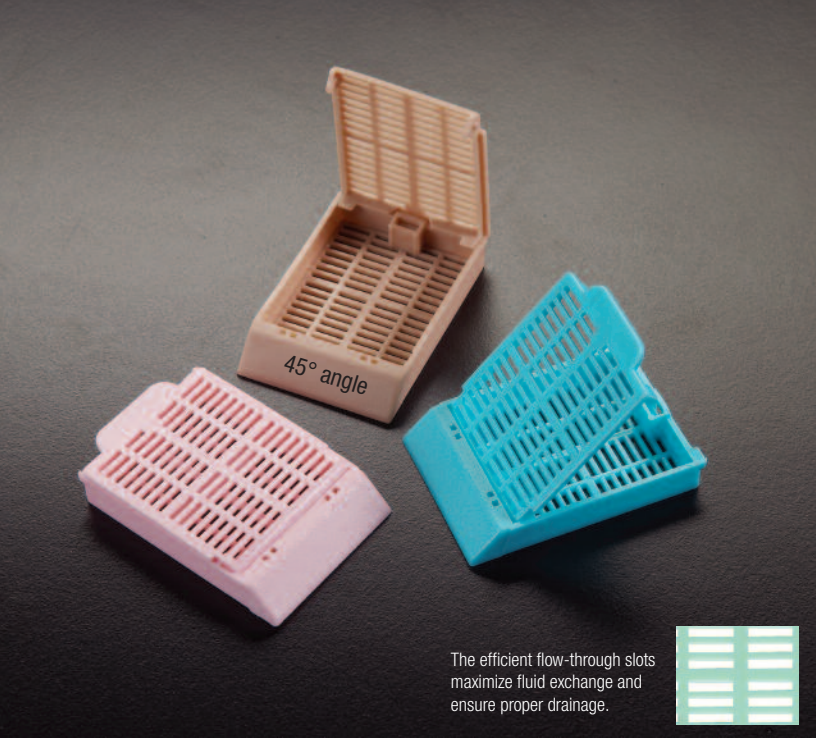
Separate cover by folding it forward and backward.

Identify in front or sides.

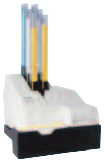
Insert sample.

Slide cover in place and lock it.

After precessing, remove cover by pulling on back tab.



The efficient flow-through slots maximize fluid exchange and ensure proper drainage.



Compatible with most cassette printers

CASSETTES

M492
HISTOSETTE ® II
Tissue Processing / Embedding Cassettes

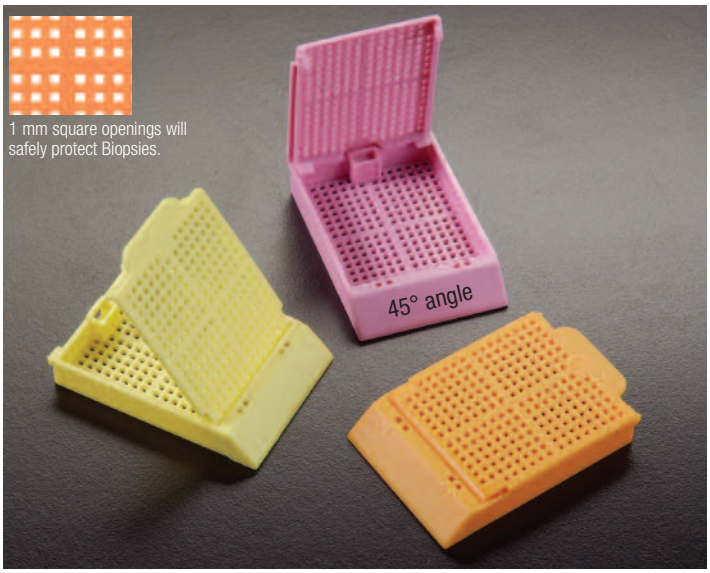
Made of acetal polymer

Disposable plastic cassettes hold tissue specimens during processing and embedding, as well as in storage. Molded from a special high-density polymer, these patented cassettes keep specimens safely submerged in liquid and are totally resistant to the chemical action of histological solvents. The efficient flow-through slots maximize fluid exchange and ensure proper drainage. The one-piece integral lid eliminates the need for separate steel lids. They can be opened and closed as often as necessary and will always relock securely without danger of specimen loss. Large labeling areas are located on three sides of the cassettes for your convenience.

The anterior writing area is slanted at a 45° angle to make the cassette more suitable to be used with certain types of cassette labeling instruments. Available in non-cytotoxic, non-metallic colors. Each case contains 3 dispenser boxes of 500 cassettes.

Tissue Cat. #	Biopsy Cat. #	Color	Qty/Cs
M492-2	M493-2	White	1500
M492-3	M493-3	Pink	1500
M492-4	M493-4	Green	1500
M492-5	M493-5	Yellow	1500
M492-6	M493-6	Blue	1500
M492-7	M493-7	Peach	1500
M492-8	M493-8	Tan	1500
M492-9	M493-9	Gray	1500
M492-10	M493-10	Lilac	1500
M492-11	M493-11	Orange	1500
M492-12	M493-12	Aqua	1500

Fluo Pink, Fluo Green and Fluo Yellow are also available. Minimum quantities apply. Contact us for more details.

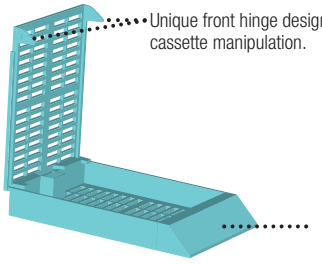


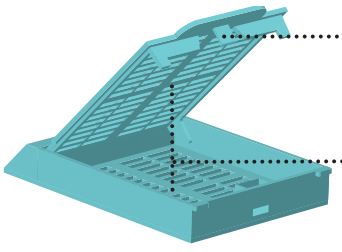
M493
HISTOSETTE ® II
Biopsy Processing / Embedding Cassettes

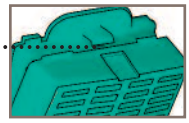
Made of acetal polymer

Similar to M492 but specially designed to hold biopsy specimens during the embedding process, as well as in a storage cabinet. Anterior writing area is at a 45° angle to make the cassette more suitable to be used with certain types of cassette labeling instruments. Each case contains 3 dispenser boxes of 500 cassettes.

Anatomy of a Histosette® II







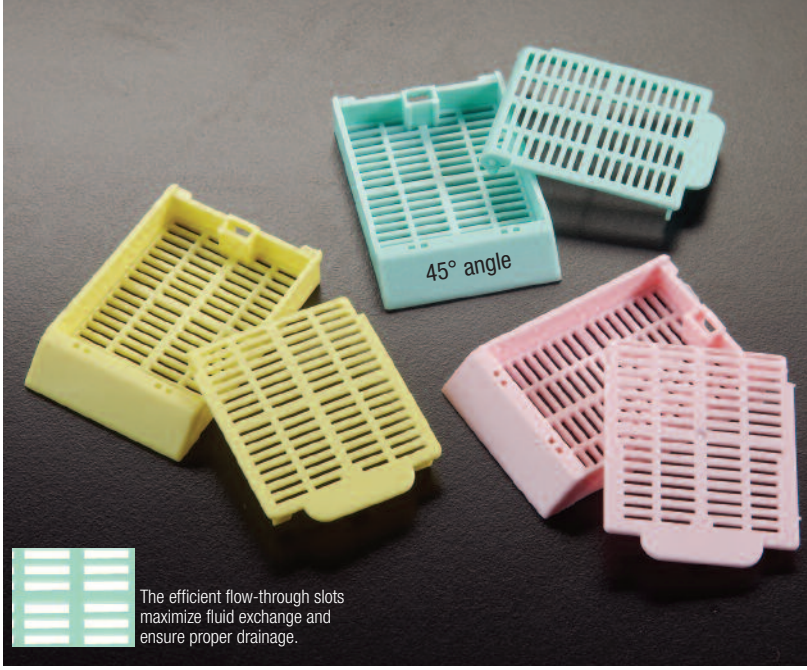
Patented

M485
HISTOSETTE ® II
Tissue Processing / Embedding Cassettes

Made of acetal polymer

Most convenient for cassette labeling instruments since **covers are already removed from cassettes and are packaged separately in the case**. Disposable plastic cassettes hold tissue specimens during processing and embedding, as well as in storage. Molded from a special high-density polymer, these patented cassettes keep specimens safely submerged in liquid and are totally resistant to the chemical action of histological solvents. The efficient flow-through slots maximize fluid exchange and ensure proper drainage.

Large labeling areas are located on three sides of the cassettes for your convenience. **The anterior writing area is slanted at a 45° angle** to make the cassette more suitable to be used with certain types of cassette labeling instruments. Available in non-cytotoxic, non-metallic colors. Each case contains 2 dispenser boxes of 500 cassettes and 1 dispenser box of 1000 covers.

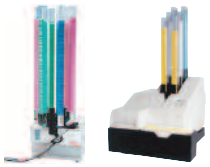


The efficient flow-through slots maximize fluid exchange and ensure proper drainage.

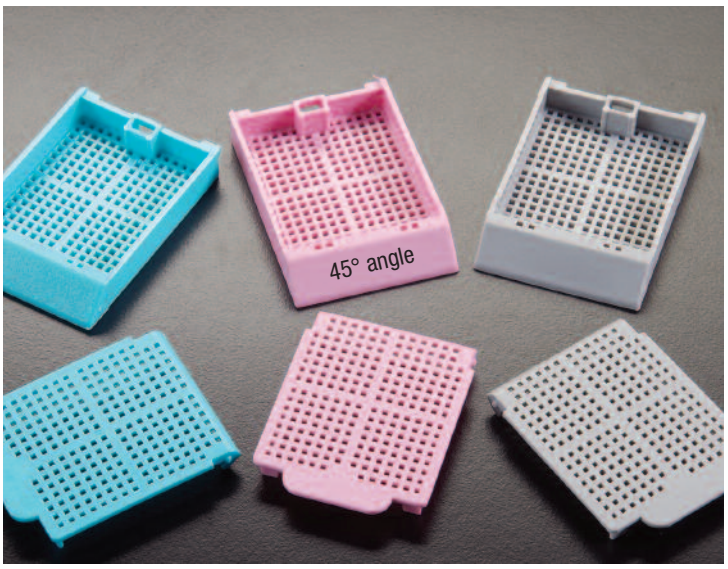
Tissue Cat. #	Biopsy Cat. #	Color	Qty/Cs
M485-2	M486-2	White	1000
M485-3	M486-3	Pink	1000
M485-4	M486-4	Green	1000
M485-5	M486-5	Yellow	1000
M485-6	M486-6	Blue	1000
M485-7	M486-7	Peach	1000
M485-8	M486-8	Tan	1000
M485-9	M486-9	Gray	1000
M485-10	M486-10	Lilac	1000
M485-11	M486-11	Orange	1000
M485-12	M486-12	Aqua	1000

Fluo Pink, Fluo Green and Fluo Yellow are also available. Minimum quantities apply. Contact us for more details.

Cassettes and lids packaged separately


Compatible with all cassette printers

CASSETTES



M486
HISTOSETTE ® II
Biopsy Processing / Embedding Cassettes

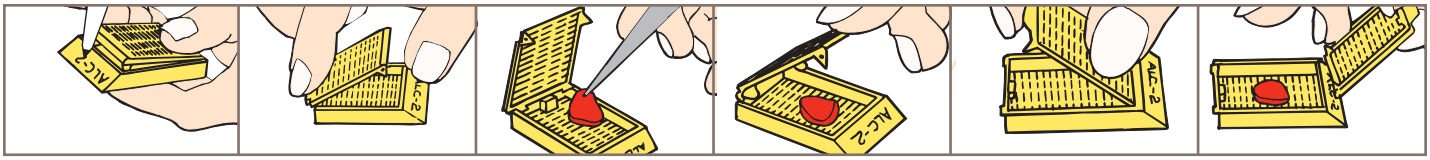
Made of acetal polymer

Most convenient for cassette labeling instruments but specially designed to **hold biopsy specimens during the embedding process, as well as in a storage file**. The covers are already removed from cassettes and are packaged seperately in the case.

Anterior writing area is at a 45° angle to make the cassette more suitable to be used with certain types of cassette labeling instruments. Each case contains 2 dispenser boxes of 500 cassettes and 1 dispenser box of 1000 covers.

1 mm square openings will safely protect Biopsies.

How to use a Histosette® II



Identify sample on either the front or sides labeling areas.

Press on back tab to open cover.

Insert sample.

Close cover and press front of lid to lock it in place.

To open, lift tab at the back of cassette with forefinger while depressing the center of lid with thumb.

To remove the cover, pivot the lid forward and it will disconnect automatically.

M502
MICROSETTE™ I
Biopsy Processing / Embedding Cassettes

Made of acetal polymer

Biopsy pads are no longer necessary with these innovative disposable plastic biopsy cassettes with a large compartment measuring 25 x 30 mm. Perfect even with needle biopsies since holes have a diameter of only 0.26 mm while still allowing for maximum fluid exchange. Molded from a special high density polymer, these **patented** cassettes keep specimens safely submerged in liquid and are totally resistant to the chemical action of histological solvents. The Microsette® I mesh ensures efficient fluid exchange and drainage. The one-piece integral lid eliminates the need for separate steel lids. They can be opened and closed as often as necessary and they always relock securely without danger of specimen loss. Large labeling areas are located on three sides of the cassettes for your convenience. Available in non-cytotoxic, non-metallic colors. Anterior writing area is at a 45° angle to make the cassette more suitable, in some instances, to be used with certain types of cassette labeling instruments.

Each case contains four dispenser boxes of 250 cassettes with covers assembled.

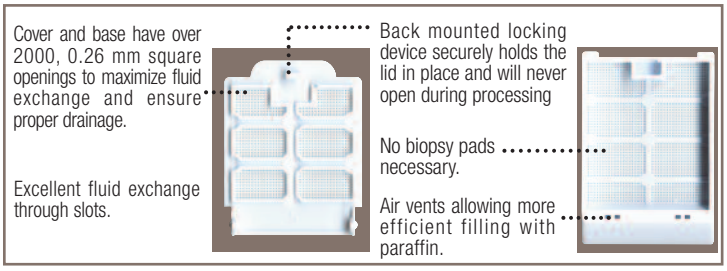
Compatible with most cassette printers

Cat. #	Cat. #	Color	Qty/Pk	Qty/Cs
M502-2	M503-2	White	250	1000
M502-3	M503-3	Pink	250	1000
M502-4	M503-4	Green	250	1000
M502-5	M503-5	Yellow	250	1000
M502-6	M503-6	Blue	250	1000
M502-7	M503-7	Peach	250	1000
M502-8	M503-8	Tan	250	1000
M502-9	M503-9	Gray	250	1000
M502-10	M503-10	Lilac	250	1000
M502-11	M503-11	Orange	250	1000
M502-12	M503-12	Aqua	250	1000

Fluo Pink, Fluo Green and Fluo Yellow are also available.
Minimum quantities apply. Contact us for more details.

CASSETTES

Anatomy of a Microsette™ I



M503
MICROSETTE™ I
Biopsy Processing / Embedding Cassettes

With 6 compartments

Made of acetal polymer

This model can hold up to six tissue specimens, each one placed in it's own 7 x 12 mm. (1/4 x 7/16 in.) compartment, numbered from 1 to 6.

No biopsy pads necessary. Cover and base have over 2000 square openings to maximize fluid exchange and ensure proper drainage. Approximately 170 holes (each having a diameter of 0.26 mm) per compartment.

Each case contains four dispenser boxes of 250 cassettes with covers assembled.

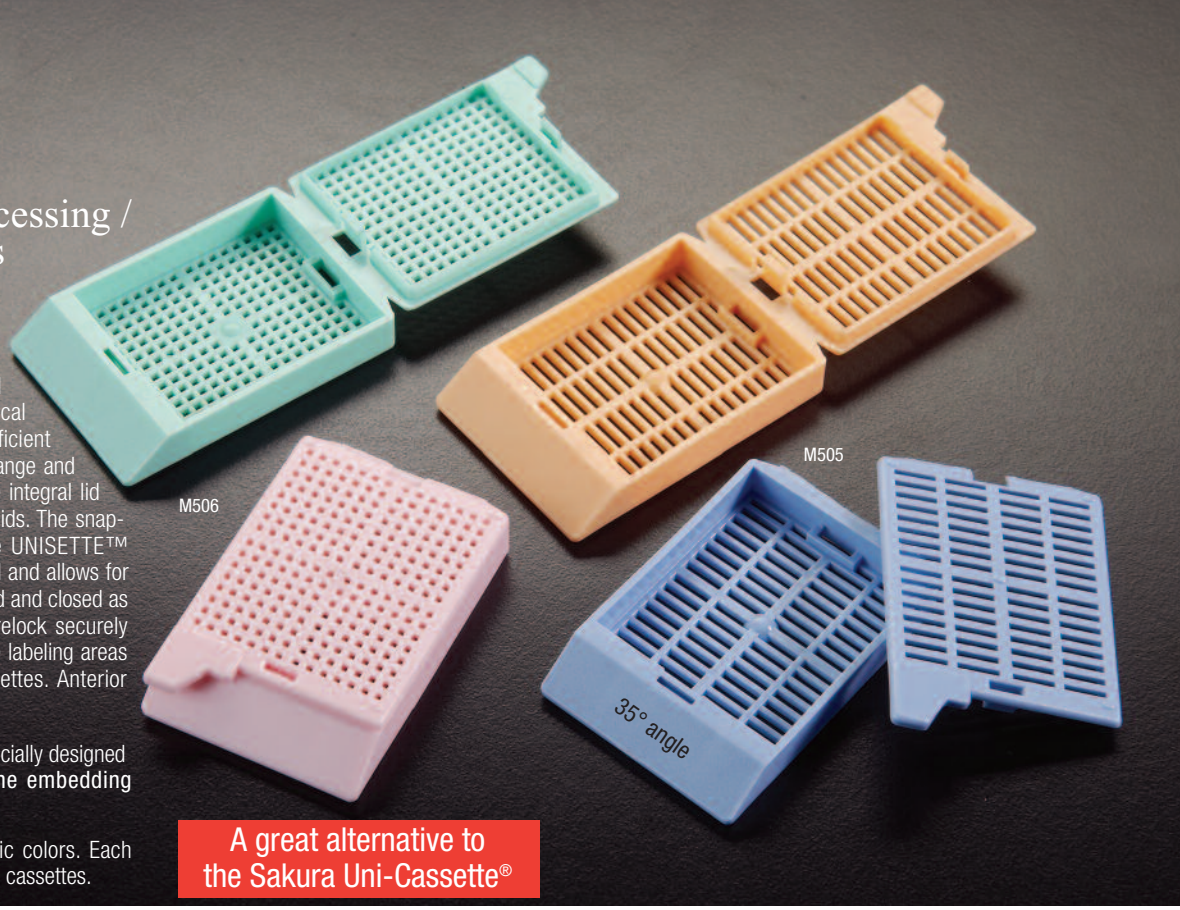
M505 & M506
UNISETTE™
Biopsy & Tissue Processing / Embedding Cassettes

Made of acetal polymer

Molded from a special high density polymer, these cassettes keep specimens safely submerged in liquid and are totally resistant to the chemical action of histological solvents. The efficient flow-through slots maximize fluid exchange and ensure proper drainage. The one-piece integral lid eliminates the need for separate steel lids. The snap-latch and hinge-lock design of the UNISETTE™ prevent early separation of base and lid and allows for one-hand operation. Lids can be opened and closed as often as necessary and they always relock securely without danger of specimen loss. Large labeling areas are located on two sides of the cassettes. Anterior writing area is at a 35° angle.

M506 Series is similar to M505 but specially designed to **hold biopsy specimens during the embedding process.**

Available in non-cytotoxic, non-metallic colors. Each case contains 3 dispenser boxes of 500 cassettes.



A great alternative to the Sakura Uni-Cassette®

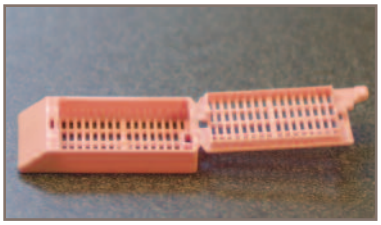
Tissue Cat. #	Biopsy Cat. #	Color	Qty/Cs
M505-2	M506-2	White	1500
M505-3	M506-3	Pink	1500
M505-4	M506-4	Green	1500
M505-5	M506-5	Yellow	1500
M505-6	M506-6	Blue	1500
M505-7	M506-7	Peach	1500
M505-8	M506-8	Tan	1500
M505-9	M506-9	Gray	1500
M505-10	M506-10	Lilac	1500
M505-11	M506-11	Orange	1500
M505-12	M506-12	Aqua	1500

Fluo Pink, Fluo Green and Fluo Yellow are also available. Minimum quantities apply. Contact us for more details.

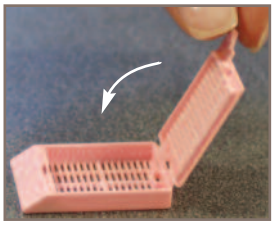
Compatible with most cassette printers

CASSETTES

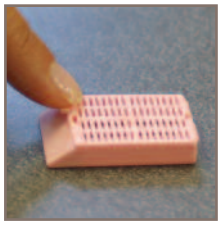
How to use a UNISETTE™



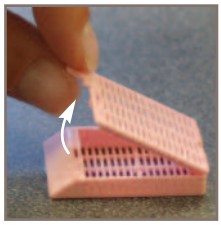
The cover of the Unisette is attached to the back of the base in an open position.



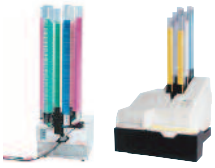
To close, simply tilt cover forward, holding it by the front tab.



Push cover down until a click is heard.



To open, tilt cover backward. It will remain attached to the base and can be closed again.



Compatible with all cassette printers

CASSETTES

M507
MICROMESH™
Biopsy Processing / Embedding Cassettes

NO BIOPSY PADS REQUIRED

Made of acetal polymer

This version of the Micromesh™ offers 1676 square openings (0.38 mm) allowing for a greatly improved fluid exchange without having to use biopsy pads. Large anterior and posterior slots in both cassette and cover ensure that the Micromesh™ biopsy cassette will sink rapidly. A large square compartment measuring 27 mm is perfect even for needle biopsies. The cover does not protrude above the cassette, a great space saving feature allowing more cassettes to be stacked in automatic labeling machines and tissue processors.

Molded from a special high density polymer, these patented cassettes keep specimens safely submerged in liquid and are totally resistant to the chemical action of histological solvents. The Micromesh™ ensures efficient fluid exchange and drainage. The one-piece integral lid eliminates the need for separate steel lids. They can be opened and closed as often as necessary and they always relock securely without danger of specimen loss. Large labeling areas are located on three sides of the cassettes. Anterior writing area is at a 45° angle to make the cassette more suitable to be used with automated cassette printers. Patent pending. Available in non-cytotoxic, non-metallic colors.

Each case contains four dispenser boxes of 250 cassettes with covers assembled.

Cat. #	Cat. #	Color	Qty/Cs
M507-2	M508-2	White	1000
M507-3	M508-3	Pink	1000
M507-4	M508-4	Green	1000
M507-5	M508-5	Yellow	1000
M507-6	M508-6	Blue	1000
M507-7	M508-7	Peach	1000
M507-8	M508-8	Tan	1000
M507-9	M508-9	Gray	1000
M507-10	M508-10	Lilac	1000
M507-11	M508-11	Orange	1000
M507-12	M508-12	Aqua	1000

Fluo Pink, Fluo Green and Fluo Yellow are also available.
Minimum quantities apply. Contact us for more details.

M508
MICROMESH™
Biopsy Processing / Embedding Cassettes

With 4 compartments

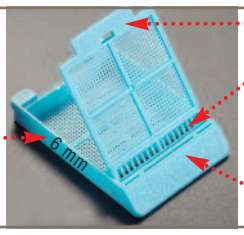
Made of acetal polymer

This model is similar to Series M507 but **cassettes have four square compartments each measuring 13 mm.** Cover and base have about 1676 square openings maximizing fluid exchange and ensuring proper drainage. Patent pending.

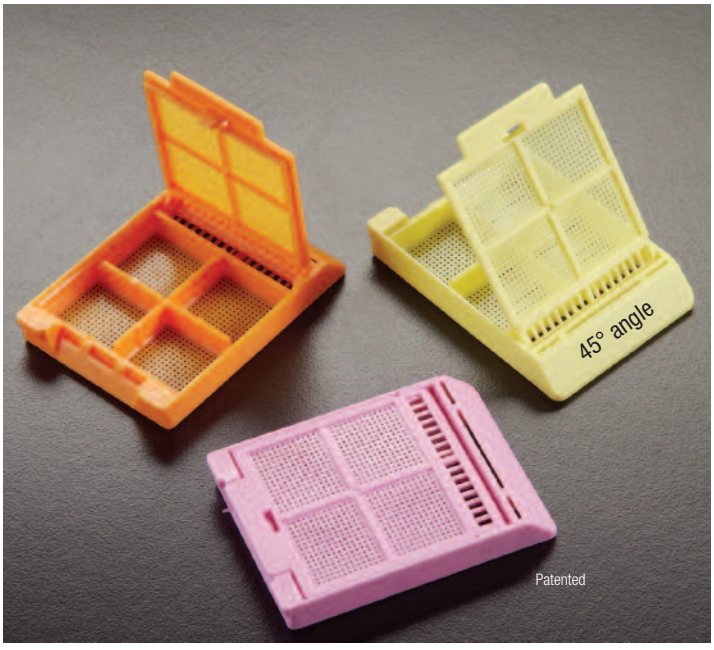
Each case contains four dispenser boxes of 250 cassettes with covers assembled.

Anatomy of Micromesh™ Cassettes

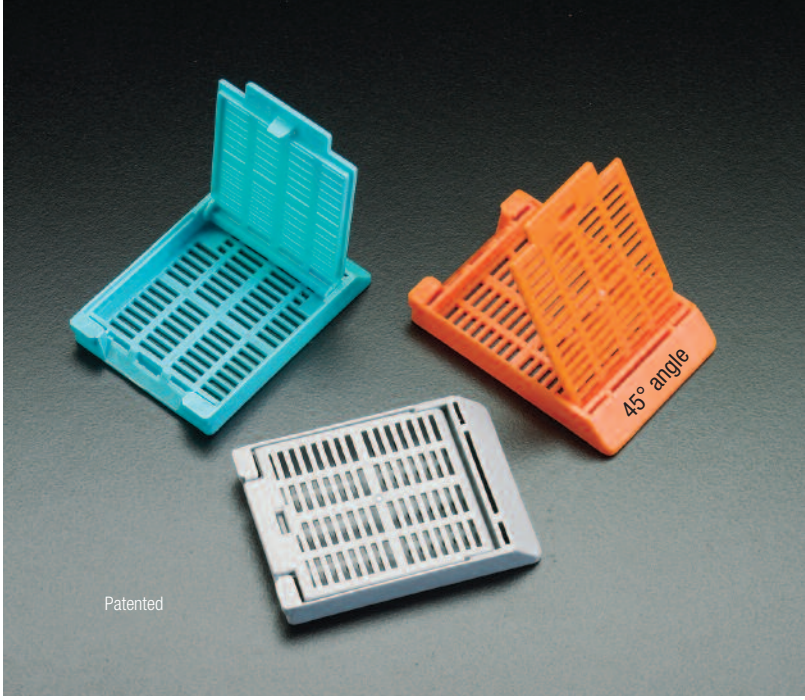
A recessed cover is a great space saving feature, allowing more cassettes to be stacked in automatic labeling machines and storage drawers



- Cover pre-installed on cassette
- Large anterior and posterior slots in both cassette and cover ensure that the Micromesh™ biopsy cassette will be submerged rapidly.
- Anterior writing area is at a 45° angle.



M509
SLIMSETTE™
Tissue Processing / Embedding Cassettes



Made of acetal polymer

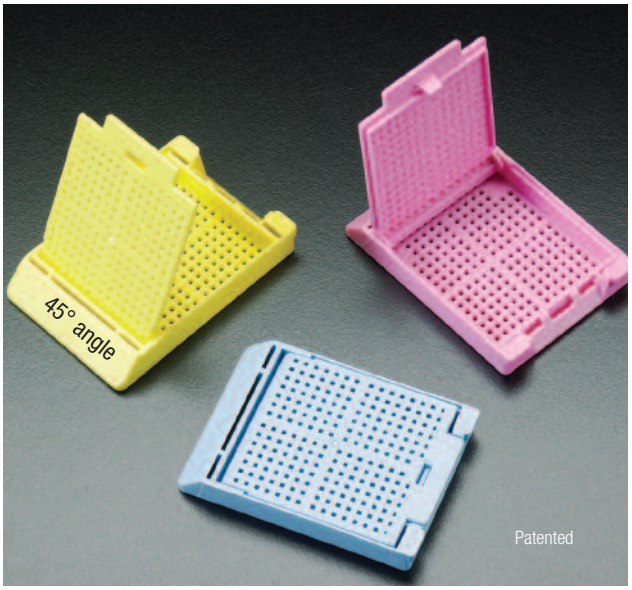
The SLIMSETTE™, a new generation emerging in the **Simport** Histology Family. More compact, easier to use and more efficient than ever. Similar to the design of the M507 model, it incorporates a unique recessed cover, a great space saving feature allowing more cassettes to be stacked in automatic labeling machines and in storage cabinets.

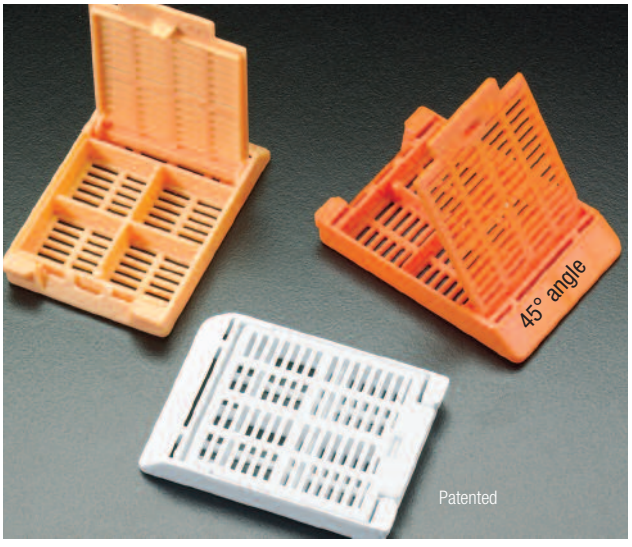
Molded from a special high density polymer, these cassettes keep specimens safely submerged in liquid and are totally resistant to the chemical action of histological solvents. The SLIMSETTE™ ensures efficient fluid exchange and drainage thanks to 114 openings each measuring 1 x 5 mm. The one-piece integral lid eliminates the need for separate steel lids. They can be opened and closed as often as necessary and they always relock securely without danger of specimen loss. Large labeling areas for easy identification. The anterior writing area is slanted at a 45° angle. Available in non-cytotoxic, non-metallic colors.

Each case contains 3 dispenser boxes of 500 cassettes with covers assembled. Patent pending. Dimensions : 41 x 28.5 x 6 mm H (1⅝ x 1⅛ x ¼ in. H)

Compatible with all cassette printers

M510
SLIMSETTE™
Biopsy Processing / Embedding Cassettes





Made of acetal polymer

Similar to M509 but specially designed to **hold biopsy specimens during the embedding process, as well as in a storage cabinet.** Anterior writing area is at a 45° angle to make the cassette more suitable to be used with certain types of cassette labeling instruments.

CASSETTES

Cat. #	Cat. #	Cat. #	Color	Qty/Cs
M509-2	M510-2	M511-2	White	1500
M509-3	M510-3	M511-3	Pink	1500
M509-4	M510-4	M511-4	Green	1500
M509-5	M510-5	M511-5	Yellow	1500
M509-6	M510-6	M511-6	Blue	1500
M509-7	M510-7	M511-7	Peach	1500
M509-8	M510-8	M511-8	Tan	1500
M509-9	M510-9	M511-9	Gray	1500
M509-10	M510-10	M511-10	Lilac	1500
M509-11	M510-11	M511-11	Orange	1500
M509-12	M510-12	M511-12	Aqua	1500

Fluo Pink, Fluo Green and Fluo Yellow are also available. Minimum quantities apply. Contact us for more details.

M511
SLIMSETTE™
Tissue Processing / Embedding Cassettes

With 4 compartments

Made of acetal polymer

This model is similar to Series M509 but **cassettes have four square compartments each measuring 13 mm.** Cover and base have openings maximizing fluid exchange and ensuring proper drainage. Each case contains 3 dispenser boxes of 500 cassettes with covers assembled.

M515
SWINGSETTE™
Tissue Processing / Embedding Cassettes

Made of acetal polymer

These disposable plastic cassettes hold tissue specimens during processing and embedding, as well as in storage. Molded from a special high-density polymer, they keep specimens safely submerged in liquid and are totally resistant to the chemical action of histological solvents. The efficient flow-through slots maximize fluid exchange and ensure proper drainage.

This new model differs by the special hinge holding the base and cover together. This hinge allows cassettes to be opened and closed as often as necessary. The cover can be removed and re-inserted easily without danger of specimen loss. Three frosted writing surfaces are made available, including the anterior one at a 45º angle.

Available in 14 non-cytotoxic, non-metallic colors.
Each case contains 3 dispenser boxes of 500 cassettes.

Tissue Cat. #	Biopsy Cat. #	Color	Qty/Cs
M515-2	M516-2	White	1500
M515-3	M516-3	Pink	1500
M515-4	M516-4	Green	1500
M515-5	M516-5	Yellow	1500
M515-6	M516-6	Blue	1500
M515-7	M516-7	Peach	1500
M515-8	M516-8	Tan	1500
M515-9	M516-9	Gray	1500
M515-10	M516-10	Lilac	1500
M515-11	M516-11	Orange	1500
M515-12	M516-12	Aqua	1500

Fluo Pink, Fluo Green and Fluo Yellow are also available.
Minimum quantities apply. Contact us for more details.

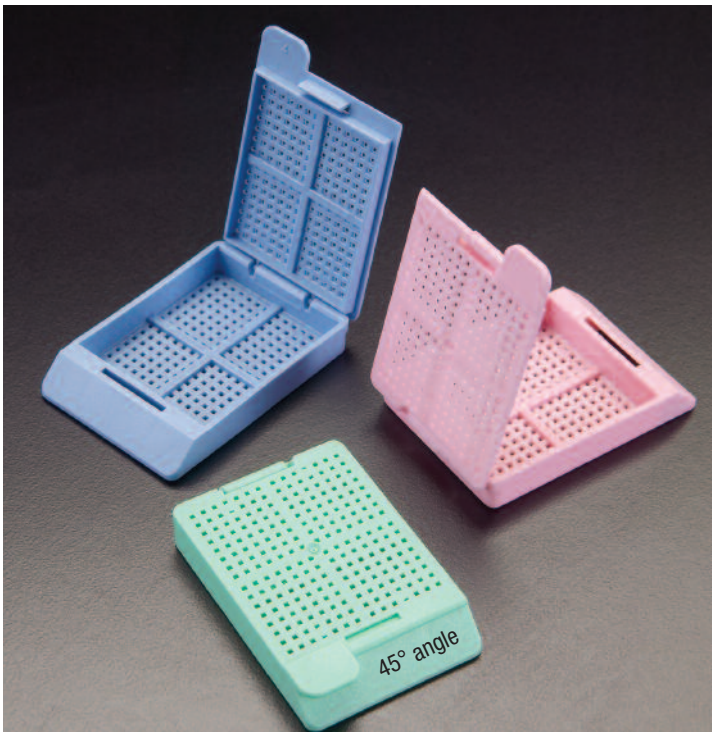
CASSETTES

M516
SWINGSETTE™
Biopsy Processing / Embedding Cassettes

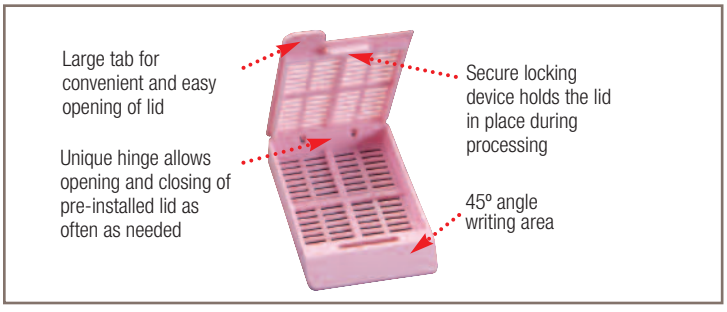
Made of acetal polymer

These biopsy cassettes are similar to series M515 but especially designed to hold biopsy specimens during the processing / embedding process as well as in storage cabinets.

Each case contains three dispenser boxes of 500 cassettes.



Anatomy of a Swingsette™



M517
SWINGSETTE™
Tissue Processing / Embedding Cassettes

Made of acetal polymer

Most convenient for cassette labeling instruments since the covers are packaged separately in the case. These disposable plastic cassettes hold tissue specimens during processing and embedding, as well as in storage. Molded from a special high-density polymer, they keep specimens safely submerged in liquid and are totally resistant to the chemical action of histological solvents. The efficient flow-through slots maximize fluid exchange and ensure proper drainage.

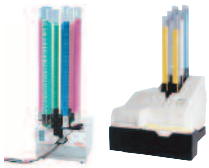
This new model differs by the special hinge that holds the base and cover together. This hinge allows cassettes to be opened and closed as often as necessary. The cover can be removed and re-inserted easily without danger of specimen loss. Three frosted writing surfaces are made available, including the anterior one at a 45º angle. Available in 14 non-cytotoxic, non-metallic colors.

Each case contains two dispenser boxes of 500 cassettes and one dispenser box of 1000 covers. *Cassettes and lids packaged separately.*

Tissue Cat. #	Biopsy Cat. #	Color	Qty/Cs
M517-2	M518-2	White	1000
M517-3	M518-3	Pink	1000
M517-4	M518-4	Green	1000
M517-5	M518-5	Yellow	1000
M517-6	M518-6	Blue	1000
M517-7	M518-7	Peach	1000
M517-8	M518-8	Tan	1000
M517-9	M518-9	Gray	1000
M517-10	M518-10	Lilac	1000
M517-11	M518-11	Orange	1000
M517-12	M518-12	Aqua	1000

Fluo Pink, Fluo Green and Fluo Yellow are also available.
Minimum quantities apply. Contact us for more details.

CASSETTES



Compatible with all cassette printers

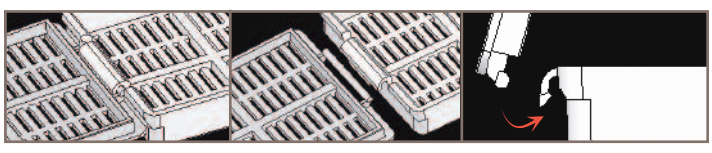
M518
SWINGSETTE™
Biopsy Processing / Embedding Cassettes

Made of acetal polymer

Most convenient for cassette labeling instruments since the covers are packaged separately in the case. These biopsy cassettes are similar to the M517 Series but are especially designed to hold biopsy specimens during the processing/embedding process as well as in storage cabinets.

Each case contains two dispenser boxes of 500 cassettes and one box of 1000 covers. *Cassettes and lids packaged separately.*

Close-up of the hinge



M515-M516 Series
The cover is connected to the base.

M517-M518 Series
The special hinge make it easy to attach lid to base.

M485SL & M486SL

HISTOSETTE® II

Cassettes in **QuickLoad™** Sleeves

Made of acetal polymer

Suitable for hoppers accepting plastic sleeves, these cassettes will load in cassette labeling instruments in one simple operation. Save time and money with these convenient stacks of 75 unique **Simport** cassettes. No more manual insertion, one cassette at a time. Just load the cassette sleeve in the hopper and you are ready for printing.

These specially designed cassettes belong to the world-wide known **Simport** HISTOSETTE® II Series. Molded from a special high density polymer, these cassettes keep specimens safely submerged in liquid and are totally resistant to the chemical action of histological solvents. The efficient flow-through slots maximize fluid exchange and ensure proper drainage.

Two types of cassettes are offered in order to suit your particular needs: a regular tissue cassette and a biopsy model designed to hold small biopsy samples securely during the embedding process. Anterior printing area is at a 45° angle, offering an unobstructed view of the writing surface and making the cassette perfectly suitable to be used with cassette labeling instruments.

The one-piece disposable plastic cover eliminates the need for reusable steel lids. It can be opened and closed as often as necessary and it always relocks without danger of specimen loss. Available in non-cytoxic, non-metallic popular colors.

Each case contains 10 sleeves and 750 covers. Patent pending.

Cassettes in Sleeves

Patented

See page 23 for full cassette description.

TISSUE AND BIOPSY CASSETTES (In stacks of 75)

Tissue Cassette Cat. #	Biopsy Cassette Cat. #	Color	Qty/Cs
M485-2SL	M486-2SL	White	750
M485-3SL	M486-3SL	Pink	750
M485-4SL	M486-4SL	Green	750
M485-5SL	M486-5SL	Yellow	750
M485-6SL	M486-6SL	Blue	750
M485-7SL	M486-7SL	Peach	750
M485-8SL	M486-8SL	Tan	750
M485-9SL	M486-9SL	Gray	750
M485-10SL	M486-10SL	Lilac	750
M485-11SL	M486-11SL	Orange	750
M485-12SL	M486-12SL	Aqua	750

Fluo Pink, Fluo Green and Fluo Yellow are also available.
Minimum quantities apply. Contact us for more details.

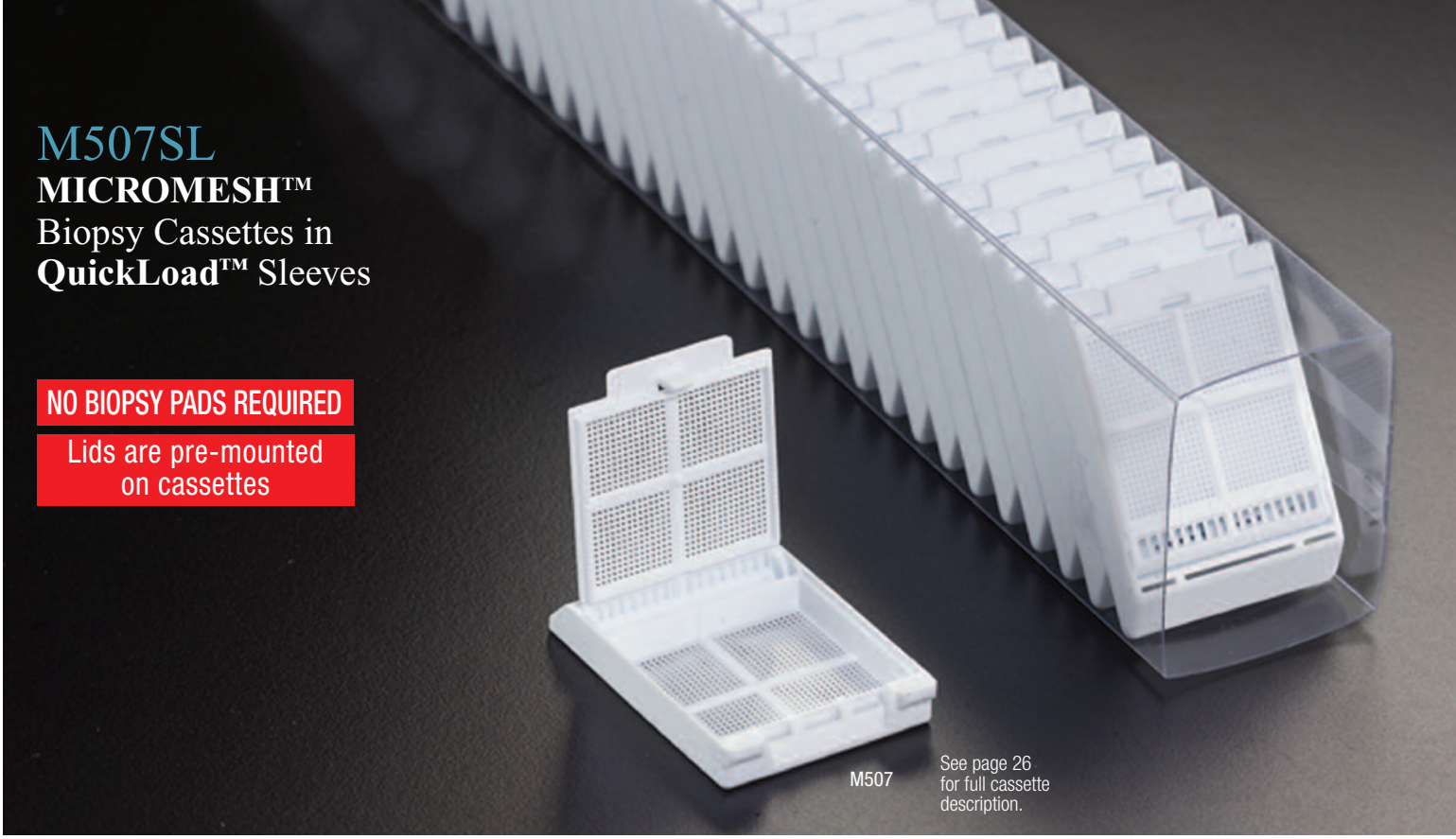
Compatible with ThermoFisher cassette printers

M485SL and M486SL Series are available worldwide. For a distributor in the United States, please contact one of our Customer Service Representatives.

M507SL
MICROMESH™ Biopsy Cassettes in QuickLoad™ Sleeves

NO BIOPSY PADS REQUIRED

Lids are pre-mounted on cassettes



M507

See page 26 for full cassette description.

Made of acetal polymer

Suitable for hoppers accepting plastic sleeves, these cassettes will load in cassette labeling instruments in one simple operation. Just load the 75-cassette QuickLoad™ sleeve in the hopper and you are ready for printing.

This modified version of the MICROMESH™ offers slightly larger (0.38 mm) square openings, and large anterior slots allowing for increased fluid exchange and faster sinking in liquids. No biopsy pads are necessary. These cassettes feature a recessed cover and a large square 27 mm compartment, perfect even for needle biopsies.

Molded from a special high density polymer, these cassettes keep specimens safely submerged in liquid and are totally resistant to the chemical action of histological solvents. The lid can be opened and closed as often as necessary and always relocks securely without danger of specimen loss. Large labeling areas are located on three sides of the cassettes. Anterior writing area is at a 45° angle to make the cassette more suitable to be used with automated cassette printers. Available in non-cytotoxic and non-metallic colors.

Each case contains 10 sleeves. Patent pending

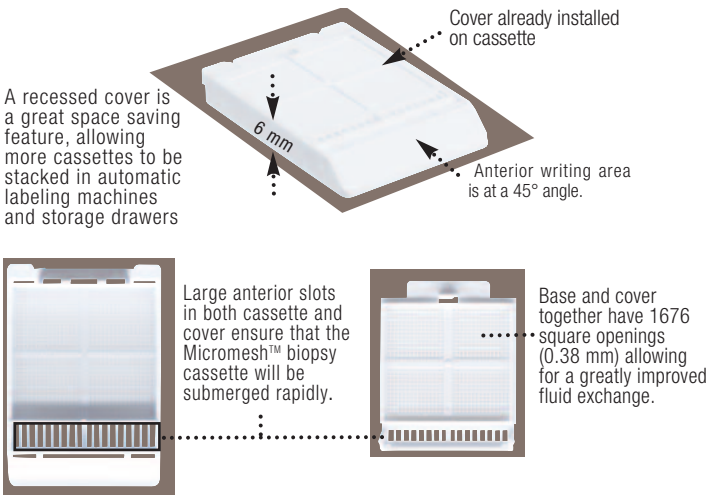
Cassettes in Sleeves

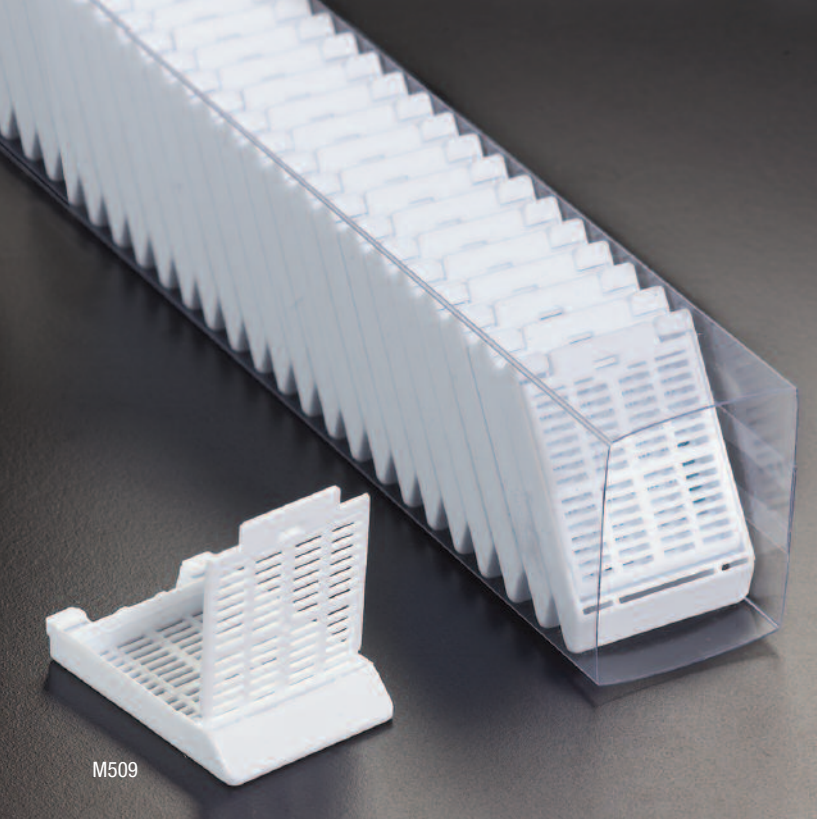
Cat. #	Color	Qty/Cs
M507-2SL	White	750
M507-3SL	Pink	750
M507-4SL	Green	750
M507-5SL	Yellow	750
M507-6SL	Blue	750
M507-7SL	Peach	750
M507-8SL	Tan	750
M507-9SL	Gray	750
M507-10SL	Lilac	750
M507-11SL	Orange	750
M507-12SL	Aqua	750

Fluo Pink, Fluo Green and Fluo Yellow are also available. Minimum quantities apply. Contact us for more details.

Compatible with ThermoFisher cassette printers

Anatomy of a Micromesh™




M509

M509SL
SLIMSETTE™
Tissue Cassettes in **QuickLoad™** Sleeves

Made of acetal polymer

The transparent sleeve allows viewing of cassettes in order to confirm there is no jam in the sleeve during the printing process.

This model is similar to the M507 cassette but is intended for tissue processing/ embedding procedures. The efficient flow-through slots maximize fluid exchange and ensure proper drainage. Lids can be opened and closed as often as necessary and they always relock securely without danger of specimen loss. When ready for the embedding process, covers can conveniently be snapped off and discarded.

Large labeling areas are located on three sides of the cassette for your convenience. Anterior writing area at a 45° angle. Available in 11 non-cytotoxic, non-metallic colors. Each case contains 10 sleeves of 75 cassettes. Patent pending

Compatible with ThermoFisher cassette printers

Cassettes in Sleeves

Tissue Cassette Cat. #	Biopsy Cassette Cat. #	Color	Qty/Cs
M509-2SL	M510-2SL	White	750
M509-3SL	M510-3SL	Pink	750
M509-4SL	M510-4SL	Green	750
M509-5SL	M510-5SL	Yellow	750
M509-6SL	M510-6SL	Blue	750
M509-7SL	M510-7SL	Peach	750
M509-8SL	M510-8SL	Tan	750
M509-9SL	M510-9SL	Gray	750
M509-10SL	M510-10SL	Lilac	750
M509-11SL	M510-11SL	Orange	750
M509-12SL	M510-12SL	Aqua	750

Fluo Pink, Fluo Green and Fluo Yellow are also available.
Minimum quantities apply. Contact us for more details.

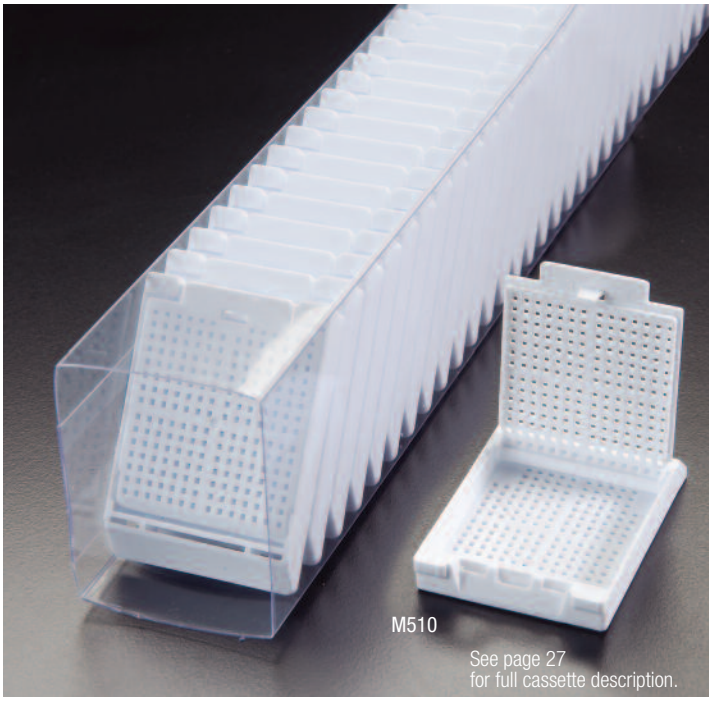
M510SL
SLIMSETTE™
Biopsy Cassettes in **QuickLoad™** Sleeves

Made of acetal polymer

Suitable for hoppers accepting plastic sleeves, these biopsy cassettes will load in cassette labeling instruments in one simple operation. Just load the 75-cassette QuickLoad™ sleeve in the hopper and you are ready for printing.

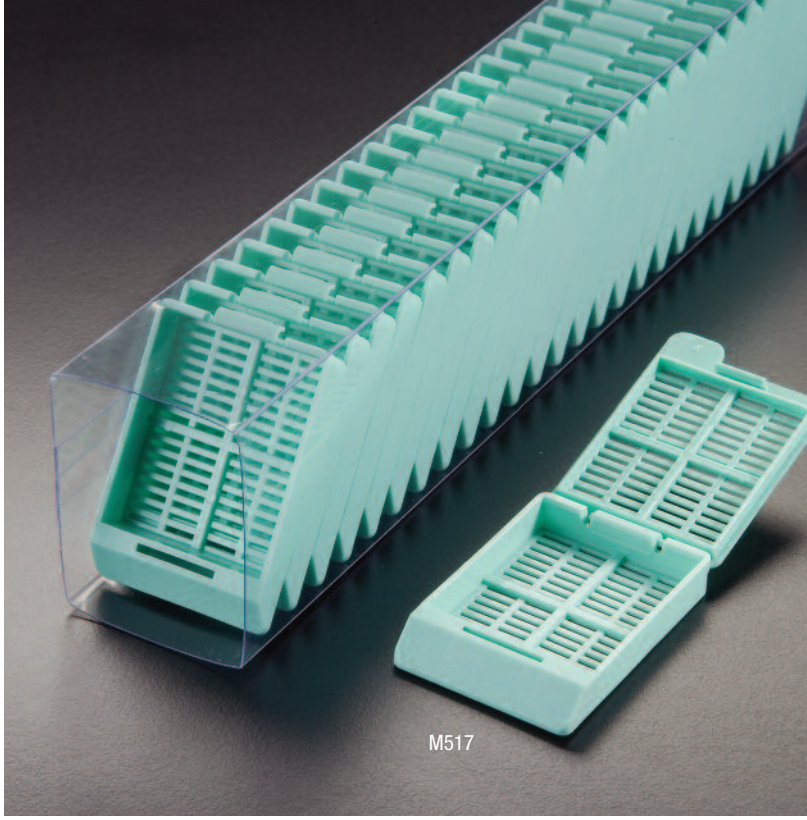
Molded from a special high density polymer, these cassettes keep specimens safely submerged in liquid and are totally resistant to the chemical action of histological solvents. The lid can be opened and closed as often as necessary and always relocks securely without danger of specimen loss. Large labeling areas are located on three sides of the cassettes. Anterior writing area is at a 45º angle to make the cassette more suitable to be used with automated cassette printers. Available in non-cytotoxic and non-metallic colors.

Cassettes are packaged in sleeves of 75. Each case contains 10 sleeves.


M510

See page 27 for full cassette description.

M517SL
SWINGSETTE™
Tissue Cassettes in **QuickLoad™** Sleeves



Made of acetal polymer

Suitable for hoppers accepting plastic sleeves, these tissue cassettes will load in cassette labeling instruments in one simple operation. Just load the 75-cassette QuickLoad™ sleeve in the hopper and you are ready for printing.

Molded from a special high density polymer, these cassettes keep specimens safely submerged in liquid and are totally resistant to the chemical action of histological solvents. The lid can be opened and closed as often as necessary and always relocks securely without danger of specimen loss. Large labeling areas are located on three sides of the cassettes. Anterior writing area is at a 45º angle to make the cassette more suitable to be used with automated cassette printers. Available in non-cytotoxic and non-metallic colors.

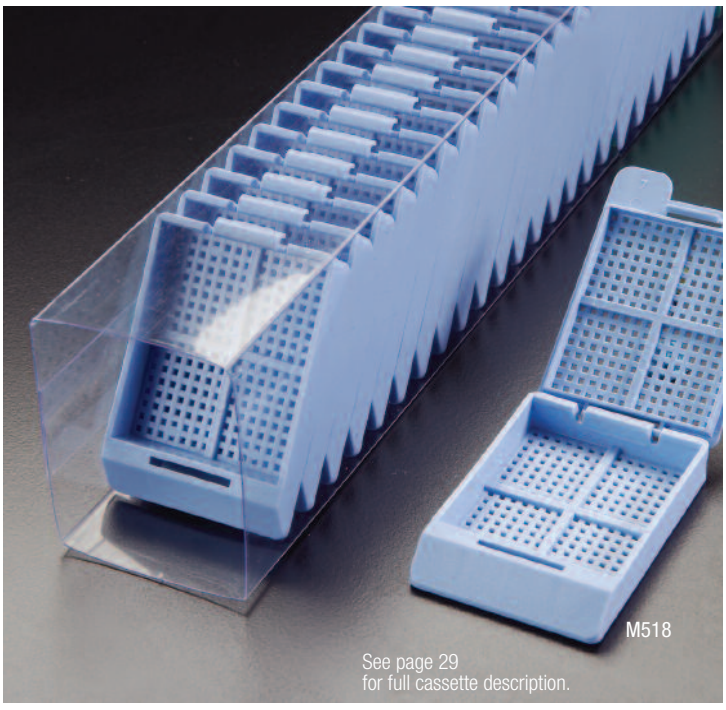
Each case contains 10 sleeves of 75 cassettes and 10 bags of 75 lids.

Tissue Cassette Cat. #	Biopsy Cassette Cat. #	Color	Qty/Cs
M517-2SL	M518-2SL	White	750
M517-3SL	M518-3SL	Pink	750
M517-4SL	M518-4SL	Green	750
M517-5SL	M518-5SL	Yellow	750
M517-6SL	M518-6SL	Blue	750
M517-7SL	M518-7SL	Peach	750
M517-8SL	M518-8SL	Tan	750
M517-9SL	M518-9SL	Gray	750
M517-10SL	M518-10SL	Lilac	750
M517-11SL	M518-11SL	Orange	750
M517-12SL	M518-12SL	Aqua	750

Fluo Pink, Fluo Green and Fluo Yellow are also available.
Minimum quantities apply. Contact us for more details.

Compatible with ThermoFisher cassette printers

Cassettes in Sleeves



See page 29
for full cassette description.

M518SL
SWINGSETTE™
Biopsy Cassettes in **QuickLoad™** Sleeves

Made of acetal polymer

These disposable plastic cassettes hold biopsy specimens during processing and embedding, as well as in storage. Molded from a special high-density polymer, they keep specimens safely submerged in liquid and are totally resistant to the chemical action of histological solvents. The efficient flow-through slots maximize fluid exchange and ensure proper drainage.

This new model differs by the special hinge holding the base and cover together. This hinge allows cassettes to be opened and closed as often as necessary. The cover can be removed and re-inserted easily without danger of specimen loss. Three frosted writing surfaces are made available, including the anterior one at a 45º angle. Available in 14 non-cytotoxic, non-metallic colors.

Each case contains 10 sleeves of 75 cassettes and 10 bags of 75 lids.

M492T
HISTOSETTE® II
Tissue Cassettes in **QuickLoad™** Stacks

Made of acetal polymer

Specially made to be used with Leica and Sakura Ink Jet printers. Molded from a special high density acetal polymer, they keep specimens safely submerged and are totally resistant to the chemical action of solvents used in histology laboratories. The efficient flow-through slots maximize fluid exchange and ensure proper reagent drainage.

Two types of cassettes are offered to suit your particular needs: a routine tissue cassette, and a biopsy cassette designed to hold small samples securely during processing. The anterior printing area is at a 45° angle and offers an unobstructed view of the writing surface.

The one-piece disposable plastic cover is pre-installed on each cassette and eliminates the need for reusable steel lids. The cover can be opened and closed as often as necessary and will always relock, reducing the possibility of specimen loss.

Cassettes are packaged in stacks of 40. Each case contains 50 stacks for a total of 2000 cassettes. Choose from 11 standard colors.

Compatible with Leica and Sakura cassette labeling instruments

Cat. #	Color	Qty/Cs	Cat. #	Color	Qty/Cs
M492-2T	White	2000	M492-8T	Tan	2000
M492-3T	Pink	2000	M492-9T	Gray	2000
M492-4T	Green	2000	M492-10T	Lilac	2000
M492-5T	Yellow	2000	M492-11T	Orange	2000
M492-6T	Blue	2000	M492-12T	Aqua	2000
M492-7T	Peach	2000			

CASSETTES IN STACKS

Compatible with Leica and Sakura cassette labeling instruments

M493T
HISTOSETTE® II
Biopsy Cassettes in **QuickLoad™** Stacks

Made of acetal polymer

See page 22 for full cassette description

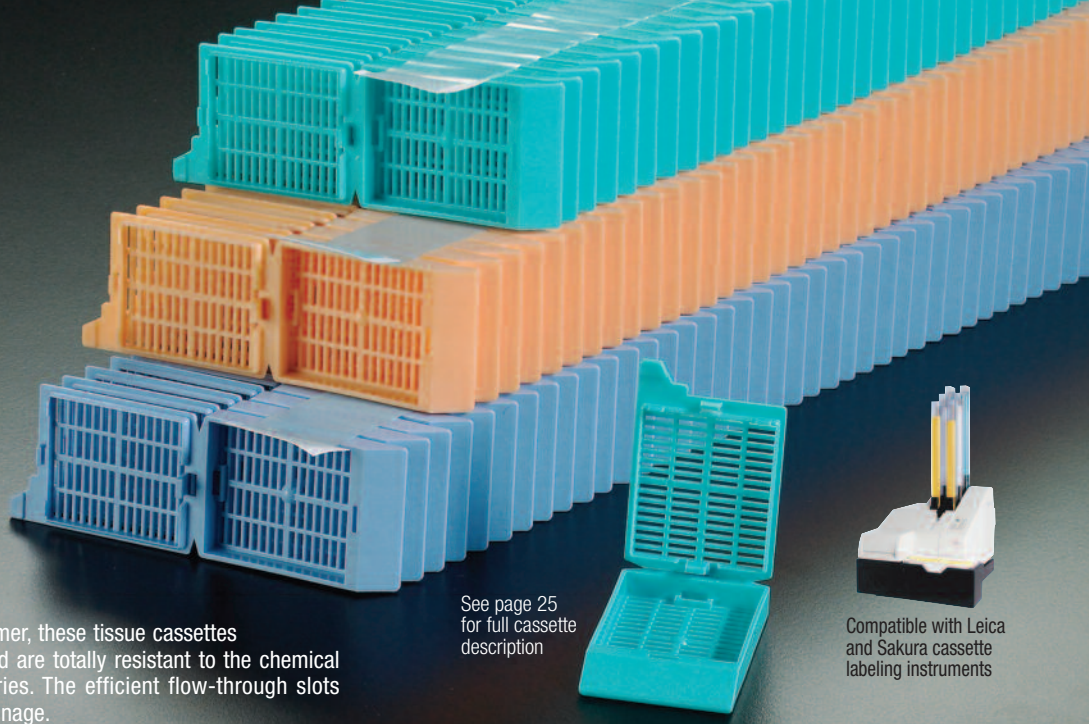
Available worldwide. For United States, please contact a Customer Service Representative.

Histosette II® Biopsy Cassettes are similar to M492 Tissue Cassettes but specially designed to hold biopsy specimens. They have an attached lid that opens from the back of the cassette. The lids arrive closed but can be opened many times, always relocking securely. The anterior printing area is at a 45° angle and offers an unobstructed view of the writing surface.

Cassettes are packaged in stacks of 40. Each case contains 50 stacks for a total of 2000 cassettes. Choose from 11 standard colors.

Cat. #	Color	Qty/Cs	Cat. #	Color	Qty/Cs
M493-2T	White	2000	M493-8T	Tan	2000
M493-3T	Pink	2000	M493-9T	Gray	2000
M493-4T	Green	2000	M493-10T	Lilac	2000
M493-5T	Yellow	2000	M493-11T	Orange	2000
M493-6T	Blue	2000	M493-12T	Aqua	2000
M493-7T	Peach	2000			

M505T
UNISETTE™ Tissue Cassettes in QuickLoad™ Stacks



Compatible with Leica and Sakura cassette labeling instruments

See page 25 for full cassette description

Made of acetal polymer

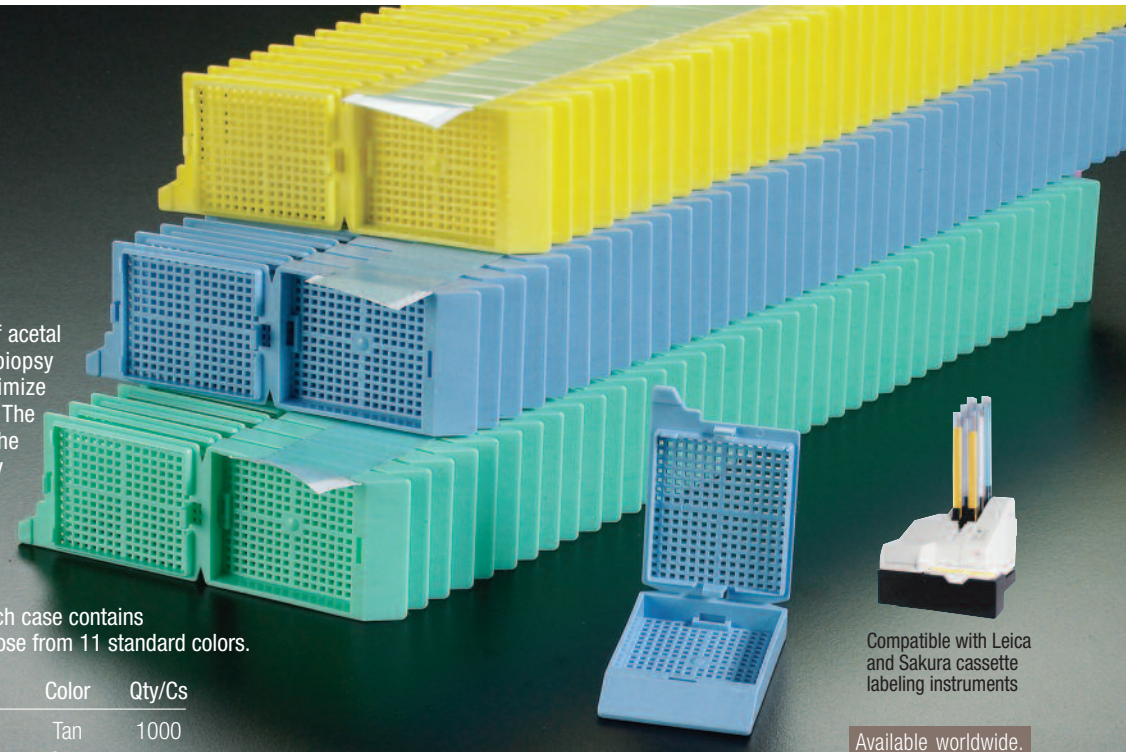
Molded from a special high density acetal polymer, these tissue cassettes keep specimens safely submerged in liquid and are totally resistant to the chemical action of solvents used in histology laboratories. The efficient flow-through slots maximize fluid exchange and ensure proper drainage.

The one-piece snap-latch and hinge-lock design prevents early separation of base and lid and allows one-hand operation. Lids are attached in an open position for easy filling, but can be opened or closed as often as necessary and will always relock securely. The tab on the left front side makes opening easy. Lids are easily removed by pulling sideways. The anterior writing area is at a 35° angle.

Cassettes are packaged in stacks of 40. Each case contains 25 stacks for a total of 1000 cassettes. Choose from 11 standard colors.

Cat. #	Color	Qty/Cs	Cat. #	Color	Qty/Cs
M505-2T	White	1000	M505-8T	Tan	1000
M505-3T	Pink	1000	M505-9T	Gray	1000
M505-4T	Green	1000	M505-10T	Lilac	1000
M505-5T	Yellow	1000	M505-11T	Orange	1000
M505-6T	Blue	1000	M505-12T	Aqua	1000
M505-7T	Peach	1000			

M506T
UNISETTE™ Biopsy Cassettes in QuickLoad™ Stacks



Compatible with Leica and Sakura cassette labeling instruments

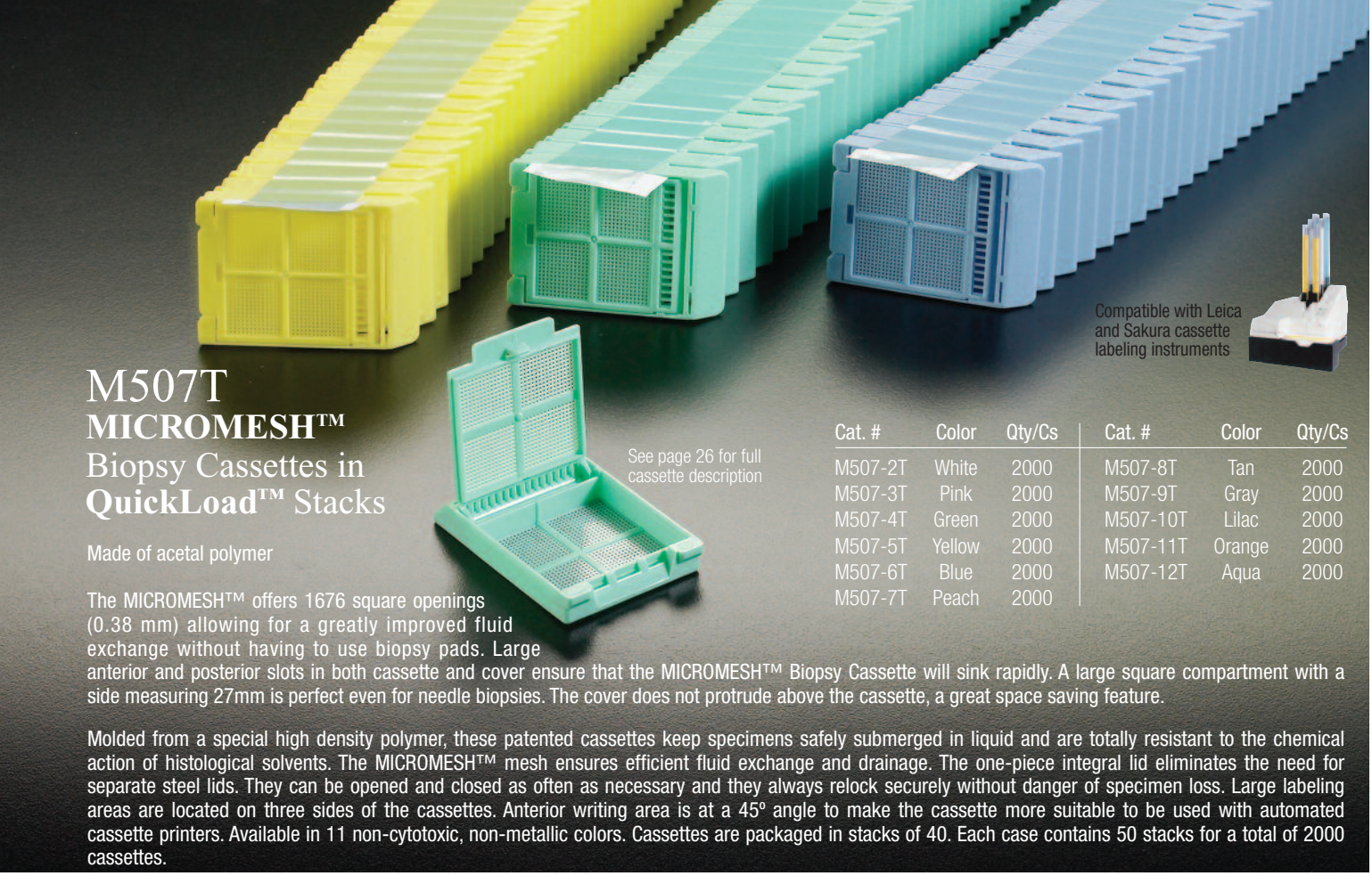
Made of acetal polymer

The UNISETTE™ Biopsy Cassettes, made of acetal polymer, are specially designed to hold biopsy specimens. One millimeter openings maximize fluid exchange and ensure proper drainage. The anterior writing area is at a 35° angle. The lids are attached, but arrive open for easy filling. There is a tab for opening on the left front side of the cassette lid. Lids are easily removed and will always relock securely.

Cassettes are packaged in stacks of 40. Each case contains 25 stacks for a total of 1000 cassettes. Choose from 11 standard colors.

Cat. #	Color	Qty/Cs	Cat. #	Color	Qty/Cs
M506-2T	White	1000	M506-8T	Tan	1000
M506-3T	Pink	1000	M506-9T	Gray	1000
M506-4T	Green	1000	M506-10T	Lilac	1000
M506-5T	Yellow	1000	M506-11T	Orange	1000
M506-6T	Blue	1000	M506-12T	Aqua	1000
M506-7T	Peach	1000			

Available worldwide. For United States, please contact a Customer Service Representative.



M507T
MICROMESH™ Biopsy Cassettes in QuickLoad™ Stacks

Made of acetal polymer

See page 26 for full cassette description

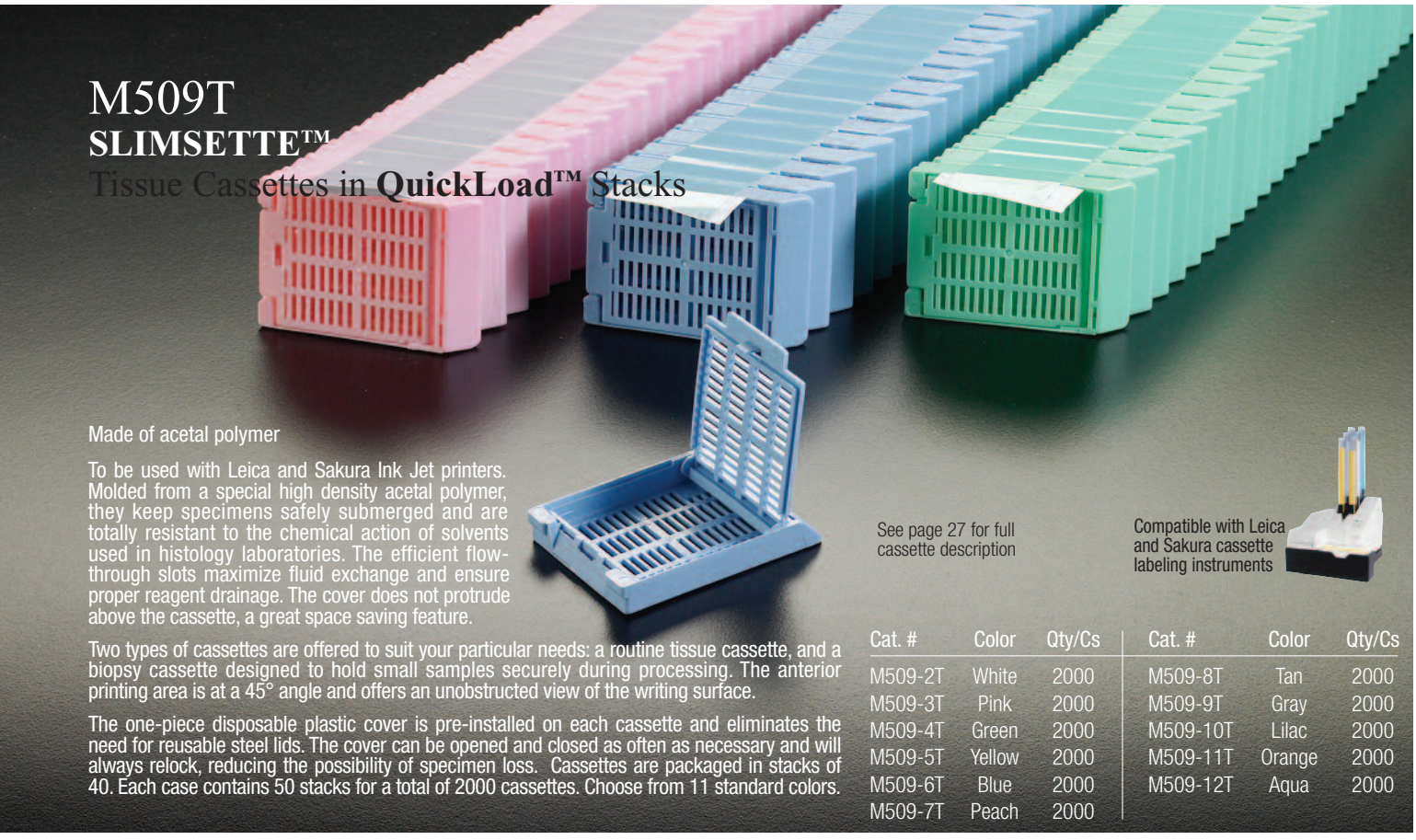
Compatible with Leica and Sakura cassette labeling instruments

Cat. #	Color	Qty/Cs	Cat. #	Color	Qty/Cs
M507-2T	White	2000	M507-8T	Tan	2000
M507-3T	Pink	2000	M507-9T	Gray	2000
M507-4T	Green	2000	M507-10T	Lilac	2000
M507-5T	Yellow	2000	M507-11T	Orange	2000
M507-6T	Blue	2000	M507-12T	Aqua	2000
M507-7T	Peach	2000			

The MICROMESH™ offers 1676 square openings (0.38 mm) allowing for a greatly improved fluid exchange without having to use biopsy pads. Large anterior and posterior slots in both cassette and cover ensure that the MICROMESH™ Biopsy Cassette will sink rapidly. A large square compartment with a side measuring 27mm is perfect even for needle biopsies. The cover does not protrude above the cassette, a great space saving feature.

Molded from a special high density polymer, these patented cassettes keep specimens safely submerged in liquid and are totally resistant to the chemical action of histological solvents. The MICROMESH™ mesh ensures efficient fluid exchange and drainage. The one-piece integral lid eliminates the need for separate steel lids. They can be opened and closed as often as necessary and they always relock securely without danger of specimen loss. Large labeling areas are located on three sides of the cassettes. Anterior writing area is at a 45° angle to make the cassette more suitable to be used with automated cassette printers. Available in 11 non-cytotoxic, non-metallic colors. Cassettes are packaged in stacks of 40. Each case contains 50 stacks for a total of 2000 cassettes.

Cassettes in Stacks



M509T
SLIMSETTE™ Tissue Cassettes in QuickLoad™ Stacks

Made of acetal polymer

See page 27 for full cassette description

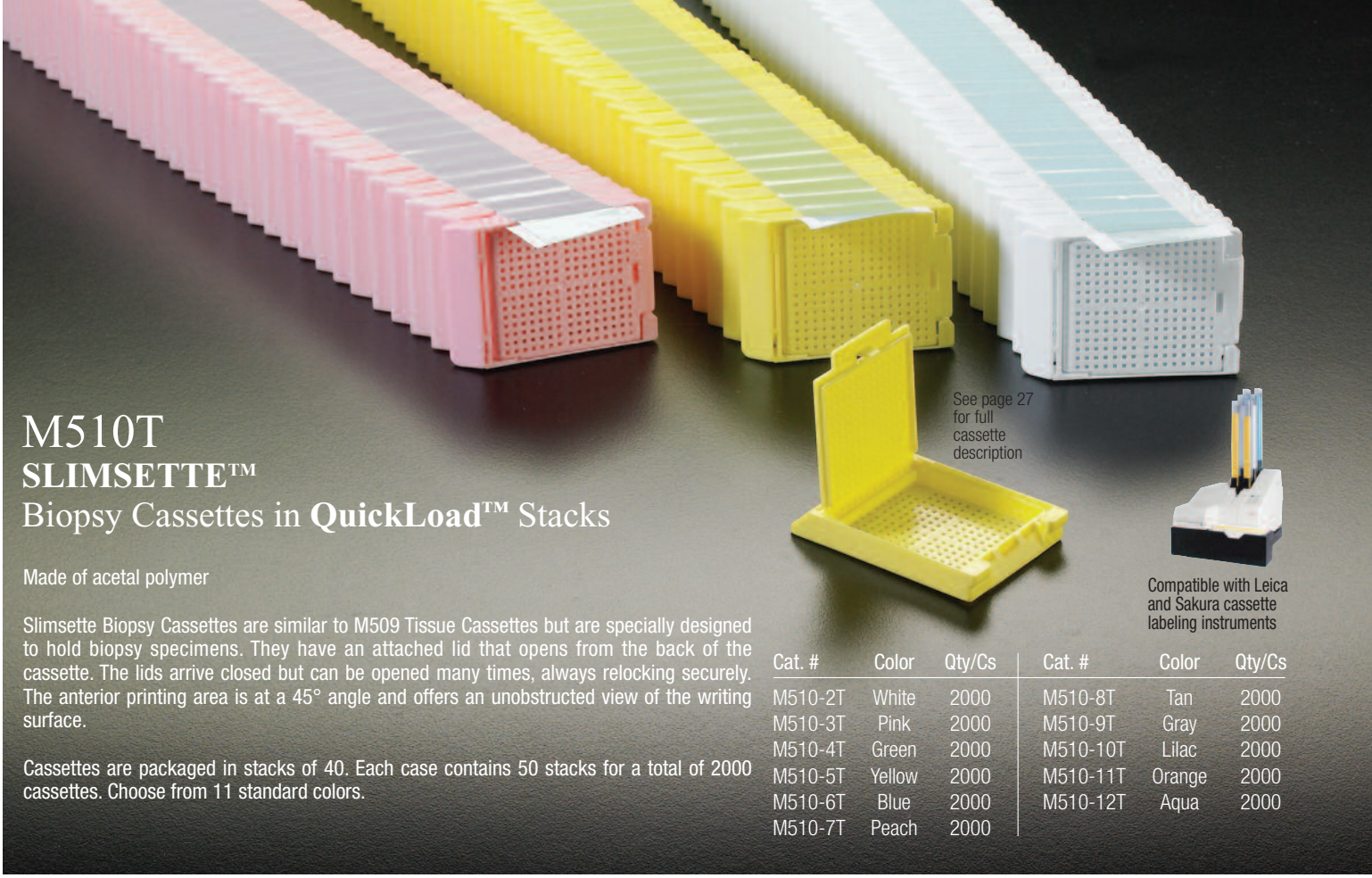
Compatible with Leica and Sakura cassette labeling instruments

Cat. #	Color	Qty/Cs	Cat. #	Color	Qty/Cs
M509-2T	White	2000	M509-8T	Tan	2000
M509-3T	Pink	2000	M509-9T	Gray	2000
M509-4T	Green	2000	M509-10T	Lilac	2000
M509-5T	Yellow	2000	M509-11T	Orange	2000
M509-6T	Blue	2000	M509-12T	Aqua	2000
M509-7T	Peach	2000			

To be used with Leica and Sakura Ink Jet printers. Molded from a special high density acetal polymer, they keep specimens safely submerged and are totally resistant to the chemical action of solvents used in histology laboratories. The efficient flow-through slots maximize fluid exchange and ensure proper reagent drainage. The cover does not protrude above the cassette, a great space saving feature.

Two types of cassettes are offered to suit your particular needs: a routine tissue cassette, and a biopsy cassette designed to hold small samples securely during processing. The anterior printing area is at a 45° angle and offers an unobstructed view of the writing surface.

The one-piece disposable plastic cover is pre-installed on each cassette and eliminates the need for reusable steel lids. The cover can be opened and closed as often as necessary and will always relock, reducing the possibility of specimen loss. Cassettes are packaged in stacks of 40. Each case contains 50 stacks for a total of 2000 cassettes. Choose from 11 standard colors.



M510T
SLIMSETTE™
Biopsy Cassettes in QuickLoad™ Stacks

See page 27 for full cassette description

Compatible with Leica and Sakura cassette labeling instruments

Made of acetal polymer

Slimsette Biopsy Cassettes are similar to M509 Tissue Cassettes but are specially designed to hold biopsy specimens. They have an attached lid that opens from the back of the cassette. The lids arrive closed but can be opened many times, always relocking securely. The anterior printing area is at a 45° angle and offers an unobstructed view of the writing surface.

Cassettes are packaged in stacks of 40. Each case contains 50 stacks for a total of 2000 cassettes. Choose from 11 standard colors.

Cat. #	Color	Qty/Cs	Cat. #	Color	Qty/Cs
M510-2T	White	2000	M510-8T	Tan	2000
M510-3T	Pink	2000	M510-9T	Gray	2000
M510-4T	Green	2000	M510-10T	Lilac	2000
M510-5T	Yellow	2000	M510-11T	Orange	2000
M510-6T	Blue	2000	M510-12T	Aqua	2000
M510-7T	Peach	2000			

Cassettes in Stacks

M517T & M518T
SWINGSETTE™
Tissue & Biopsy Cassettes in QuickLoad™ Stacks

Compatible with Leica and Sakura cassette labeling instruments

Made of acetal polymer

Our latest model suited for the Leica and Sakura labellers. These cassettes will also load in those cassette labeling instruments in one simple operation. Save time and money with these convenient stacks of 40 Simport cassettes.Just load the cassette sleeve in the magazine and you are ready for printing.

These specially designed cassettes belong to the world-wide known Simport Swingsette™ design. They differ by the special hinge that holds the base and cover together. This hinge allows the Swingsette™ to be opened and closed as often as necessary.

Two types of cassettes are offered in order to suit your particular needs: a regular tissue cassette and a biopsy model designed to hold small biopsy samples securely during the embedding process. Anterior printing area is at a 45 angle, offering an unobstructed view of the writing surface and making the cassette perfectly suitable to be used with cassette labeling instruments. Choose between these 11 non-cytoxic, non-metallic popular colors.

For Tissues Cat. #	For Biopsies Cat. #	Color	Qty/Cs
M517-2T	M518-2T	White	2000
M517-3T	M518-3T	Pink	2000
M517-4T	M518-4T	Green	2000
M517-5T	M518-5T	Yellow	2000
M517-6T	M518-6T	Blue	2000
M517-7T	M518-7T	Peach	2000
M517-8T	M518-8T	Tan	2000
M517-9T	M518-9T	Gray	2000
M517-10T	M518-10T	Lilac	2000
M517-11T	M518-11T	Orange	2000
M517-12T	M518-12T	Aqua	2000

CASSETTES

M512
MACROSETTE®
Processing / Embedding Cassettes (with lid)

Made of acetal polymer

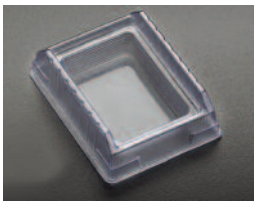
Disposable plastic cassettes designed to hold larger tissue specimens during the embedding process, as well as in a storage cabinet. Dimensions are exactly the same as the ones of a regular HISTOSETTE® cassette but the MACROSETTE® is twice as high (12 mm).

The one-piece integral lid eliminates the need for separate steel lids. It can be opened and closed as often as necessary and will always relock securely without danger of specimen loss. Large labeling areas are located on three sides of the cassettes for your convenience. Each case contains three dispenser boxes of 250 cassettes.

Dimensions: 40.1 x 28.5 x 13 mm H ($1^{9}/_{16}$ x $1^{1}/_{8}$ x $^{1}/_{2}$ in. H)

Cat. #	Color	Qty/Cs
M512	White	750

M475-10
Disposable Deep Base Mold



Made of PVC

Designed especially for M512 MACROSETTE®. Thanks to the specially formulated plastic material, it offers excellent thermal exchange. It has a smooth interior finish and rounded corners facilitating specimen removal.

Cat. #	Size (mm)	Vol	Qty/Cs
M475-10	37 x 24 x 10	5 ml	500

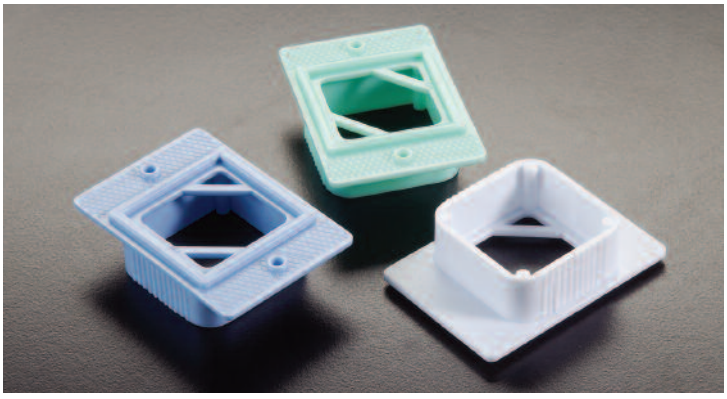
M470 & M471
Tissue Capsules

Made of polypropylene

These capsules are suitable for holding tissue samples during processing. The lids have a frosted write-on area for sample identification and an open mesh area to facilitate fluid exchange. The entire surface of the base is also an open mesh. The lid snaps securely on the base, eliminating the risk of tissue loss during processing.

Cat. #	Size (mm)	Color	Qty/Cs
M470	28 x 5 H	White	1000
M471	38 x 10 H	White	1000

M460
Embedding Rings



Made of high impact polystyrene

Embedding rings are suitable for holding and identifying tissue sample blocks and fit well in microtome chuck adapters. The etched writing surface on the ring is marked with an identification number and placed on top of the sample block. Additional paraffin is poured into the base mold to cement the ring onto the tissue block. The embedding ring securely holds the tissue sample in the microtome chuck adapter for sectioning and then identifies the sample while in storage. Rings are available in different colors. Each case contains 4 dispenser boxes of 250 rings.

Cat. #	Color	Qty/Cs
M460	White	1000
M460-3	Pink	1000
M460-4	Green	1000
M460-5	Yellow	1000
M460-6	Blue	1000

M495-6
Modular Storage Drawer

Made of high impact polystyrene

This drawer provides permanent storage & identification of up to 165 embedding rings or 250 cassettes per drawer. It is stackable to any convenient height, thanks to interlocking ridges on top and bottom. Made of high impact resistant plastic. Identification labels included.

Cat. #	Dimensions	Qty/Cs
M495-6	40.5 cm x 23 cm x 5.1 cm H (15 7/8 x 9 1/8 x 2 1/8 in. H)	6

M495-7
Storage Drawer

Made of durable, waterproof, heavy-duty cardboard for long term storage. Requires minimal space. Label provided for each box allows recording of specimen number, date and type of specimen. Each box can store up to 165 embedding rings or 250 cassettes. Dimensions: 40.5 cm x 23 cm x 5.1 cm H (15 7/8 x 9 1/8 x 2 1/8 in. H)

Cat. #	Material	Qty/Cs
M495-7	Heavy-duty cardboard	12

ACCESSORIES

M474
Base Molds

Made of Stainless Steel

Sizes fit most cassettes. Superior thermal exchange rounded corners. These molds are for all applications in specimen embedding with Simport Embedding Rings and Cassettes. Manufactured from high-quality stainless steel for optimal thermal conductivity, the molds have a highly polished surface for easy paraffin block removal. Well corners are rounded for optimal paraffin ribboning.

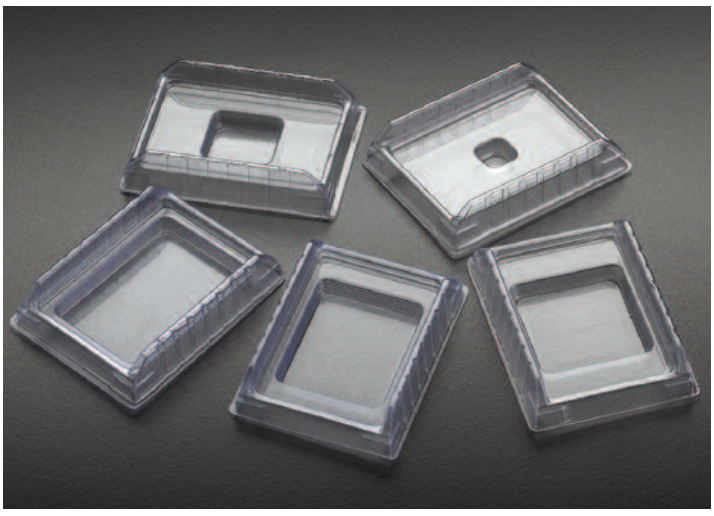
Cat. #	Size (mm)	Qty/Pk
M474-1	7 x 7 x 5	12
M474-2	15 x 15 x 5	12
M474-3	24 x 24 x 5	12
M474-4	30 x 24 x 5	12
M474-5	37 x 24 x 5	12

M475
Disposable Base Molds

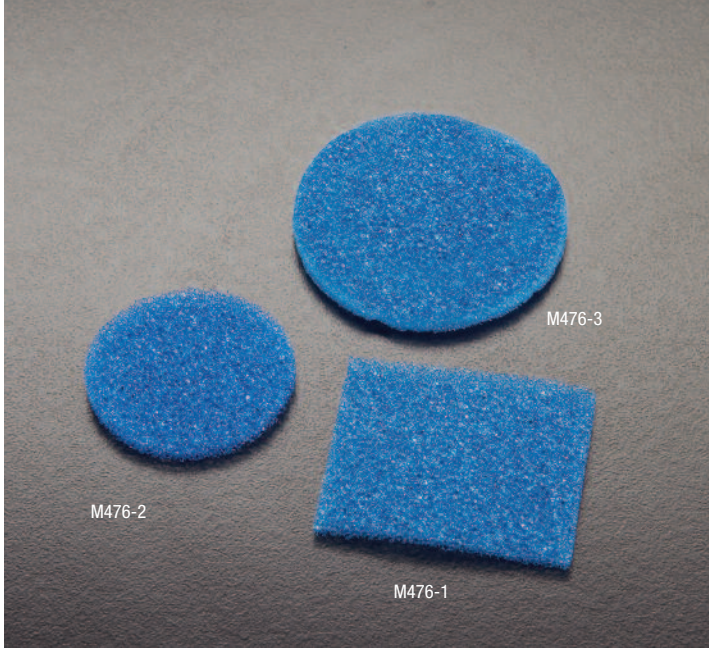
Made of PVC

Simport disposable base molds offer ease and convenience of operation. They are inexpensive enough to be discarded after use, yet strong enough to be reused. Thanks to the specially formulated plastic material, they offer excellent thermal exchange. They have a smooth interior finish and rounded corners facilitating specimen removal. Also, they are available in the same variety of sizes as metal molds and can be used with the same styles or types of cassettes and embedding rings. Each case contains two dispenser boxes of 500 base molds.

Cat. #	Size (mm)	Qty/Cs
M475-1	7 x 7 x 5	1000
M475-2	15 x 15 x 5	1000
M475-3	24 x 24 x 5	1000
M475-4	30 x 24 x 5	1000
M475-5	37 x 24 x 5	1000



M476
Biopsy Foam Pads



Made of polyester urethane foam

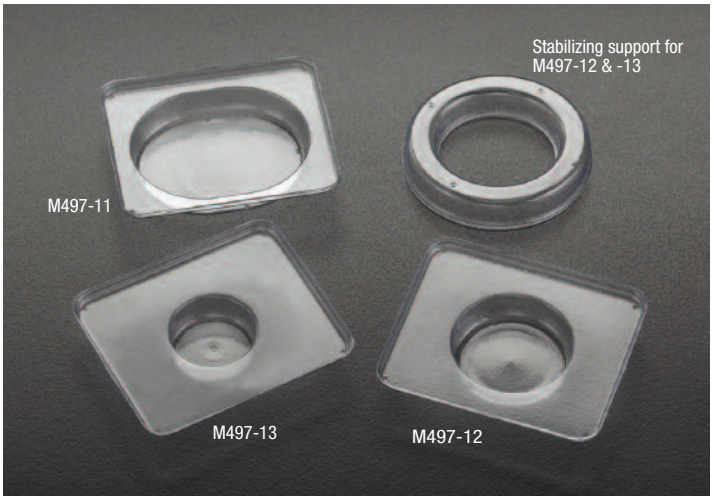
Simport biopsy foam pads are used to hold biopsies in place and prevent them from being lost during processing. They are made of a specially formulated foam which is always verified for consistency throughout in order to achieve optimum solvent flow. Biopsy samples are sandwiched between two foam pads and are placed either in tissue capsules or cassettes* with metal or plastic lids. M476-4 model is to be used with the Micromesh™ and Slimsette™ Cassettes. Will resist temperatures from -40 °C to 121 °C.

Cat. #	For use with	Size (mm)	Qty/Pk	Qty/Cs
M476-1*	Cassettes	30.2 x 25.4 x 2	1000	10 000
M476-2	Small capsules	25.4 x 2.7	1000	10 000
M476-3	Large capsules	34.55 x 2	1000	10 000
M476-4**	Micromesh & Slimsette	27.4 x 25.4 x 2	1000	10 000

* Use with the following Simport cassette Series: M480, M490, M491, M498, M499, M505, M506, M515, M516, M517 and M518. **Use with the following Simport cassette Series: M507, M509, M510.

ACCESSORIES

M497
Tissue Cryogenic Molds



Made of PVC

Three molds available to accept various sizes of specimens. Supplied with disposable stabilizing base. Ideal for specimen orientation. Adequate quantity of bases included.

Cat. #	Description	Shape	Dimensions (mm)	Qty/Cs
M497-11	Standard	Oval	21 x 26 x 5	500
M497-12	Intermediate	Round	17 x 5	500
M497-13	Biopsy	Round	13 x 5	500

M495-12
Write-ON™ Marker Pen

This pen is specially suited to be used on anterior surfaces and sides of Histology Cassettes. Ink will dry almost instantly. Ink withstands temperatures up to 195 °C and is resistant to solvents.

Cat. #	Color	Qty/Pk
M495-12	Black	10

Simport

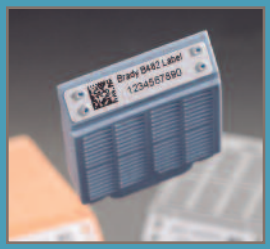
The World Cassette Leader for Labeling Instruments

Laboratory Cassette Printers provide permanent marking of tissue and biopsy cassettes with text, linear barcodes, and two-dimensional barcodes. They are specifically suited to meet the most critical needs of laboratories to mark, identify and track cassettes as part of specimen identification, error-proofing and workflow management system. With cassette printers, they are permanently labelled and positively identified for the life of the cassette, from grossing through archiving.

Simport has tremendous experience producing histology cassettes since 1982. In fact, Simport offers the largest choice suitable for tissues and biopsies to suit all special needs and applications. Every single aspect of manufacturing is carefully controlled from the highest quality type of plastic used all the way to stringent QC procedures.

This is why we have been recognized around the world as a leading supplier of processing and embedding cassettes for all labellers on the market today, such as the ones made by ThermoFisher, Leica, Sakura, General Data and many others.

And now, **Simport** is proud to announce that for best results, **Brady Corporation** is **HIGHLY** recommending the use of all our cassettes on their brand new BSP™ 31 Label Attachment System.



By choosing Simport, you will be sure to find a cassette especially suited to fill your specific needs when processing regular tissue samples, single and multiple biopsies and also large specimens.

- Especially designed for small to mid size labs (10-150 blocks/day) and high volume labs for back up
- Superior legibility and durability of image
- Simplicity and reliability
- Hassle-Free simple software and printer that can be integrated to LIMS/LIS
- Label attachment machine that mechanically fastens the label to a tissue cassette
- Utilizes a heat staking process that forms rivets to retain the label to withstand embedding process and provide permanent long-term identification of majority of tissue cassettes
- Scanner captures 2D barcode for quick and easy specimen trace and retrieval throughout workflow
- Allows for highest resolution bar-coding and the smallest text on label, to maximize labeling information in order to meet industry specifications and long-term storage requirements
- Brady B482 Tissue Cassette Labels with R6400 Ribbon withstands most tissue process protocols
- Riveting of label will meet long term storage requirements

For further information on the new Brady Cassette Labeler, please visit their website at **www.bradyid.com/lab**

When choosing high quality reliable Histology Cassettes

ACCEPT NO IMITATIONS

M700-50
SlideFile™ Jr. Storage System

Base made of high impact polystyrene / Cover made of polystyrene

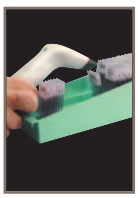
The Junior model can hold up to 200 slides per unit in just 860 cm^3 (53 cu. in.) and is stackable for space efficient storage.Each SlideFile™ Jr. includes a slide box and a removable tray. A tinted hinged cover makes the contents of the box easy to see at a glance. The base is available in five different colors to help slide classification and to minimize the possibility of sample mix-up.

The key to the SlideFile™ Jr. is a removable tray inside the storage box having fifty individual numbered slots. All slides are stored upright for easier insertion and removal. Simply tilt them forward and backward with one finger to easily and rapidly pick up the slide you need. A unique feature with this system is to be able to read bar codes without having to remove the slides from the box.

For space saving purposes, you can double the amount of slides simply by storing two slides per slot. And for maximum storage space, simply remove the tray and line up 200 slides in 3 rows for long term storage.
Will resist temperatures between -80 °C and +80 °C. Not autoclavable.
Dimensions: 82 x 140 x 86 mm H (3 1/4 x 5 1/2 x 3 3/8 in. H)

Slide Storage

Cat. #	Color	Qty/Pk	Qty/Cs
M700-50B	Blue	1	10
M700-50G	Green	1	10
M700-50P	Pink	1	10
M700-50W	White	1	10
M700-50Y	Yellow	1	10


Simply tilt slides forward or backward with one finger to easily and rapidly pick up the one you need.

Read bar codes without having to remove slides from tray.

Remove slide tray and it will store up to 200 slides.

Removable tray makes it easy to carry slides around and store up to 50 slides vertically (1 per slot) or 100 slides vertically (2 per slot)

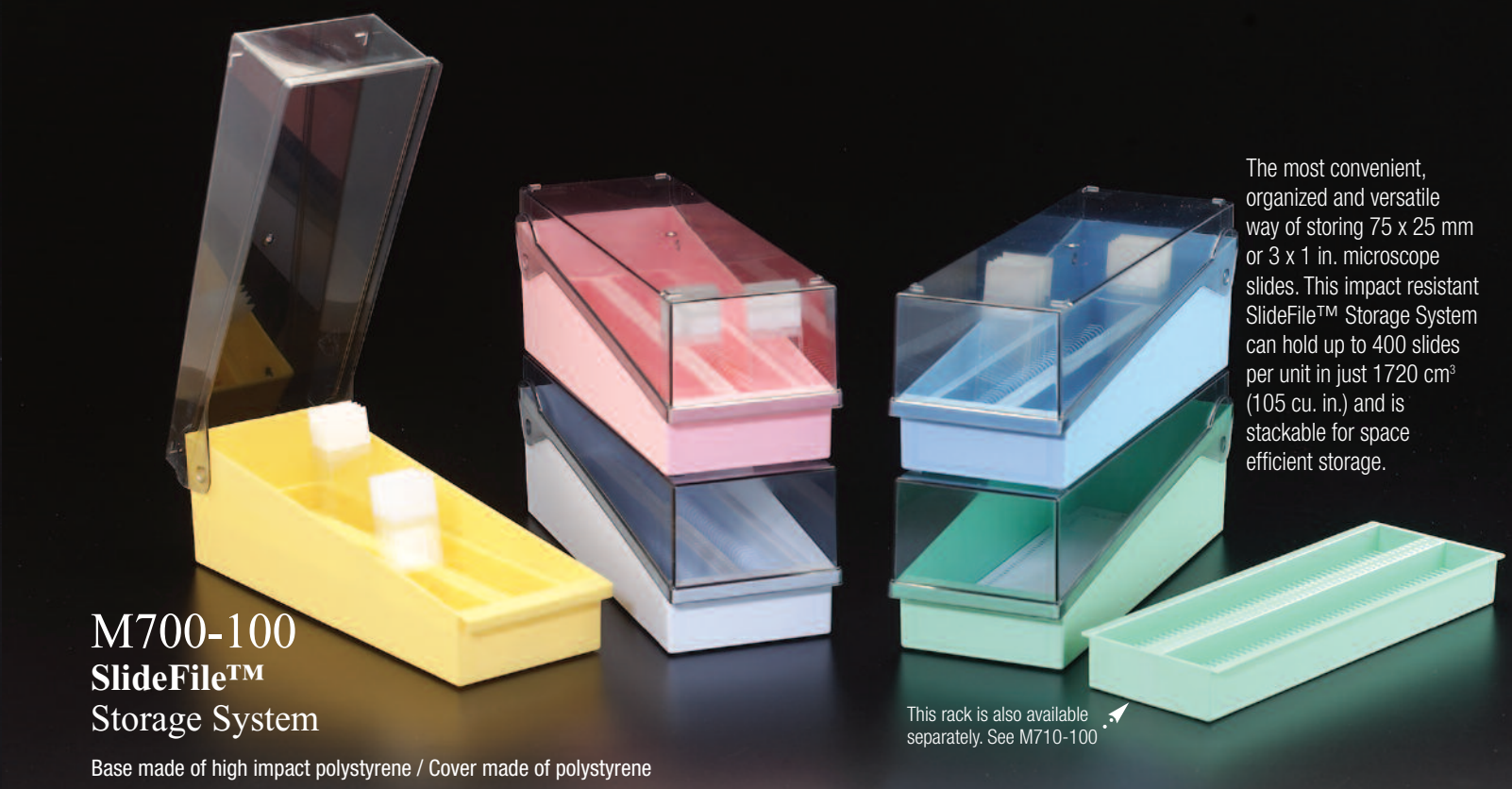
Two index cards numbered from 1 to 50 are supplied with each box.

M710-50
DrainRack™ Jr.

Made of high impact polystyrene

This model is similar to the M710-100 DrainRack™ and can hold up to 100 microscope slides in 50 individual numbered slots. Will resist temperatures between -80 °C and +80 °C. Not autoclavable.

Cat. #	Color	Qty/Pk	Qty/Cs
M710-50B	Blue	1	10
M710-50G	Green	1	10
M710-50P	Pink	1	10
M710-50W	White	1	10
M710-50Y	Yellow	1	10



The most convenient, organized and versatile way of storing 75 x 25 mm or 3 x 1 in. microscope slides. This impact resistant SlideFile™ Storage System can hold up to 400 slides per unit in just 1720 cm^3 (105 cu. in.) and is stackable for space efficient storage.

This rack is also available separately. See M710-100

M700-100
SlideFile™ Storage System

Base made of high impact polystyrene / Cover made of polystyrene

Each SlideFile™ Storage System includes a slide box and a removable tray. A tinted hinged cover makes the contents of the box easy to see at a glance.The base is available in five different colors to help in slide classification and to minimize the possibility of sample mix-up.

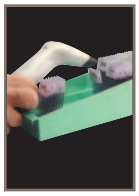
The key to the SlideFile™ System is a removable tray inside the storage box having a hundred individual numbered slots. All slides are stored upright for easier insertion and removal. Simply tilt them forward and backward with one finger to easily and rapidly pick up the slide you need. A unique feature with this system is to be able to read bar codes without having to remove the slides from the box.

For space saving purposes, you can double the amount of slides simply by storing two slides per slot. For maximum storage space, simply remove the tray and line up 400 slides in 3 rows for long term storage. Will resist temperatures between -80 °C and +80 °C. Not autoclavable.

Dimensions: 82 x 245 x 86 mm H (3 1/4 x 9 5/8 x 3 3/8 in. H)

Cat. #	Color	Qty/Pk	Qty/Cs
M700-100B	Blue	1	10
M700-100G	Green	1	10
M700-100P	Pink	1	10
M700-100W	White	1	10
M700-100Y	Yellow	1	10

Slide Storage



Simply tilt slides forward or back-ward with one finger to easily and rapidly pick up the one you need.

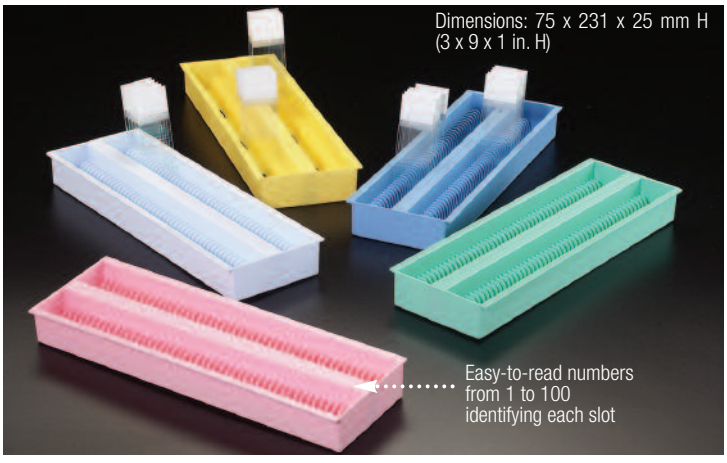
Read bar codes without having to remove slides from tray.

Remove slide tray and store up to 400 slides.

Removable tray makes it easy to carry slides around and store up to 100 slides vertically (1 per slot) or 200 slides vertically (2 per slot)

Two index cards numbered from 1 to 100 are supplied with each box.

M710-100
DrainRack™

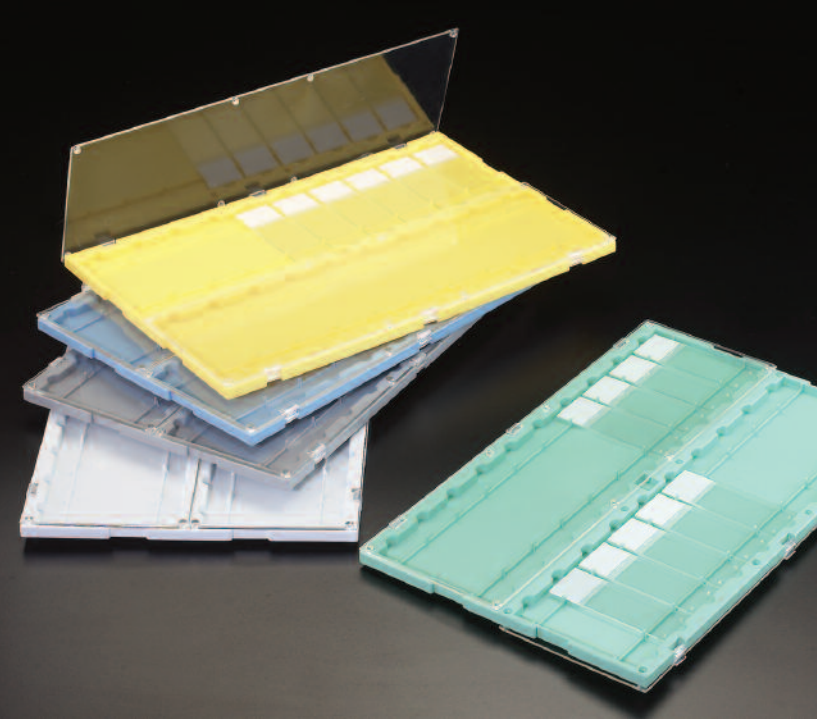


Made of high impact polystyrene

This rugged tray used as a drain rack can hold up to 200 microscope slides in 100 individual numbered slots. All slides are stored upright for easier insertion and removal. Simply tilt them forward and backward with one finger to easily and rapidly pick up the slide you need. A unique feature with the DrainRack™ is to be able to read bar codes without having to remove the slides from the box.

For space saving purposes, you can double the amount of slides simply by storing 2 slides per slot, giving you a capacity of 200 slides instead of 100. Not autoclavable.

Cat. #	Color	Qty/Pk	Qty/Cs
M710-100B	Blue	1	10
M710-100G	Green	1	10
M710-100P	Pink	1	10
M710-100W	White	1	10
M710-100Y	Yellow	1	10



M750-20
SlideFolder™

Base made of high impact polystyrene / Hinged doors made of polystyrene

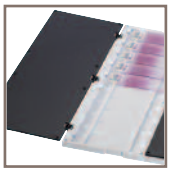
The SlideFolder™ will hold up to twenty standard microscope slides 75 mmx 25 mm (3 x 1 in.) and is made of two parts: a base holding the slides horizontally offering numbered spaces for easy identification, and transparent doors which can either cover the slides or be swung behind the SlideFolder™ for space saving purposes.

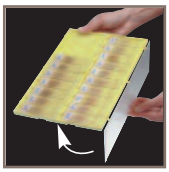
The base is available in 5 different colors, allowing color-coding classification of the slides. Each slide location is identified with a number from 1 to 20. Removal of slides is made easy simply by pressing on one end, which will automatically lift the other end.

The two transparent hinged covers offer a full view of each slide without having to remove it from its position in the SlideFolder™ and allows easy reading of ID labels with or without an optical bar code reader. All units are stackable and take minimum space on laboratory tables or shelves. Will resist temperatures between -80 °C and +80 °C. Not autoclavable.

Dimensions: 192 x 295 x 11 mm H (7 $^{9}/_{16}$ x 11 $^{11}/_{16}$ x $^{7}/_{16}$ in. H)

For light sensitive slides, use M752-20WOP SlideFolder™ with *OPAQUE DOORS*





For easier access to slides, simply swing the transparent hinged covers behind the SlideFolder™.

Easy slide removal by pressing down on one end and lifting it from the other.

SLIDE STORAGE

Cat. #	Color	Qty/Cs
M750-20B	Blue	10
M750-20G	Green	10
M750-20GY	Gray	10
M750-20W	White	10
M750-20Y	Yellow	10
M750-20AS	Assorted (two of each color)	10

Cat. #	Color	Qty/Cs
M752-20WOP	Opaque doors and white base	10

M755-20
SlideTray™

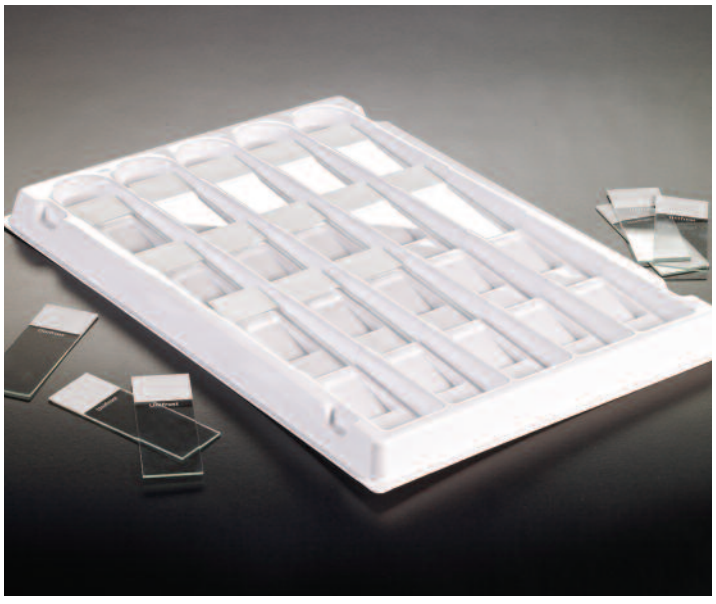
Made of HIPS

The SlideTray™ is a convenient microscope slide holder made of heavy-duty plastic lasting many years even under the most adverse conditions. The SlideTray™ will hold up to 20 microscope slides in an almost horizontal position. Each slide can be easily removed and placed back in its position. The SlideTray™ is easily stackable and will take minimum space on any shelf or laboratory counter. Even when trays are stacked, slides are well protected and will not touch the tray above.

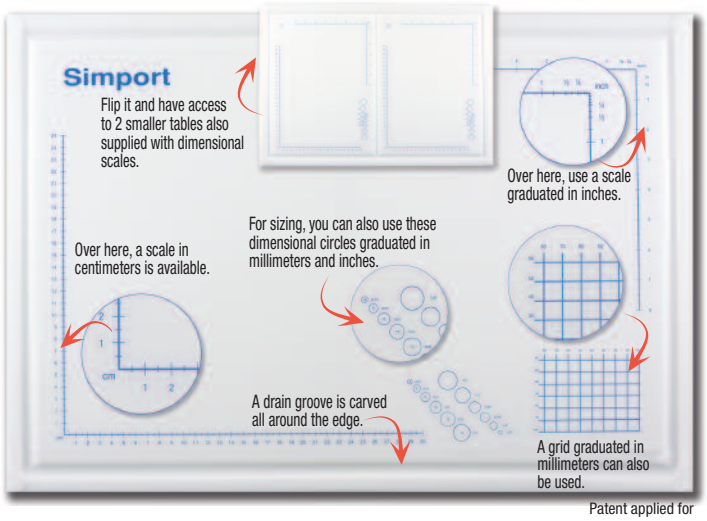
Dimensions: 206 x 299 x 18 mm H (8 $^{1}/_{8}$ x 11 $^{3}/_{4}$ x $^{11}/_{16}$ in. H)

Cat. #	Color	Qty/Cs
M755-20W	White	10

Slides are easily inserted and removed.



M620
DissecTable™
Dissecting Board



Patent applied for

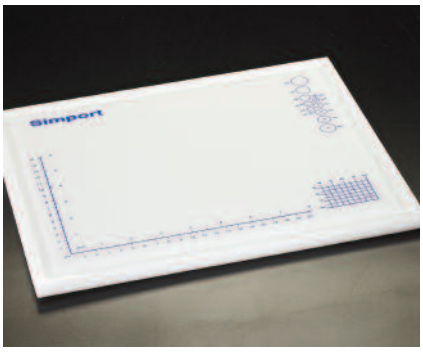
Made of high-density polyethylene

A new and unique approach makes this dissecting board more convenient than any other found on the market today. It is no more necessary to buy different sizes as this board offers a large surface on one side and two smaller ones on the other side.

Made of heavy-duty stain resistant thick polyethylene, it will last for years to come without changing shape, bending or swelling. Will not dull fine surgical blades. In order to contain fluids, a drain groove is carved all around the edge of the DissecTable™.

On one side, you will find a large cutting area including dimensional scales in inches and centimeters, along with a 60 x 80 mm grid made of 48 x 10 mm squares. Six dimensional circles are also printed from 1/8 to 5/8 in. and 4 to 14 mm in diameter. Flip it over and the other side offers two cutting boards half the size with the same dimensional features printed on each one of them. All corners have rubber feet giving more stability to the working surface.
Dimensions: 575 mm x 400 mm x 12.5 mm (23 x 16 x 1/2 in H)

Cat. #	Description	Qty/Cs
M620	DissecTable™	1



M618
DissecTable™ Jr.
Dissecting Board

Made of high-density polyethylene

A smaller DissecTable™ is also available with the same features and benefits as the M620. Perfect for smaller counter area.

Dimensions: 330.2 mm x 279.4 mm x 12.5 mm (13 x 11 x 1/2 in H)

Cat. #	Description	Qty/Cs
M618	DissecTable™ Jr.	1

DISSECTION

M625
Board Base (for use with M620)

Made of high impact polystyrene

To make dissecting more confortable, this heavy-duty base is used to elevate the DissecTable™ Board to the right height. The bases are stackable and will not move sideways during the dissecting work. The base will also retain excess fluid if necessary.

Dimensions: 481 mm x 656 mm x 91 mm (19 1/4 x 26 1/4 x 3 5/8 in H)

Cat. #	Description	Qty/Cs
M625	DissecTable Board Base	1

M900
EasyDip™
Slide Staining System

Made of acetal polymer

Finally a user-friendly approach for staining your microscope slides, the **EasyDip™ Slide Staining System** has two components: a square staining jar and a 12-position vertical slide rack. Jars can be loosely joined to each other laterally, therefore making sure they are kept in the same order when moved around on the lab counter. As an extra benefit, they are available in 5 different colors to help better identifying contents or applications.

The staining jar being made of resistant acetal plastic will not break like most glass jars do. It will resist most staining agents including alcohol and xylene (but not phenol, iodine or ferric chloride). The wide stable base offers greater stability while the inside is recessed, allowing for a smaller reagent volume of only 80 ml. Easy to clean and no metals to corrode. Ideal for special stains, frozen sections and special processes. Will resist temperatures between -170 °C and +121 °C. Autoclavable. Dimensions: 64 x 76 x 92 mm H (2 ½ x 3 x 3 ⅝ in. H)

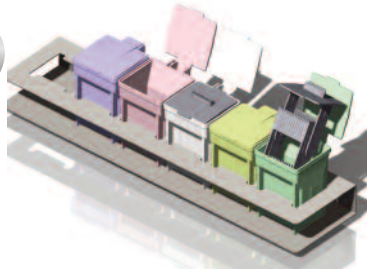
EasyDip™ Slide Staining Jar

Cat.#	Color	Qty/Cs
M900-12B	Blue	6
M900-12G	Green	6
M900-12P	Pink	6
M900-12W	White	6
M900-12Y	Yellow	6
M900-12AS	Assorted*	1 kit

*Each kit includes 5 jars (one of each color) and 1 rack (M905-12DGY).

Slide Staining

NEW

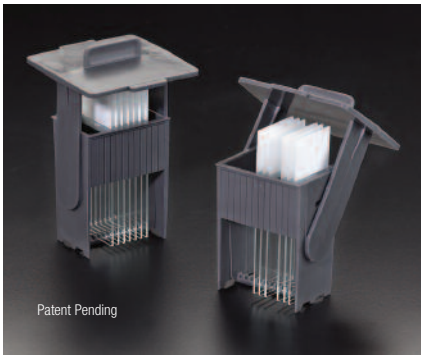


M906
EasyDip™
Stainless Steel Holder

Will hold up to 6 Jars.

Cat.#	Dimensions	Qty/Pk
M906	425 x 102 x 38 mm H (16 ¾ x 4 x 1½ in. H)	1

M905-12DGY
EasyDip™ Slide Staining Rack



Made of acetal polymer

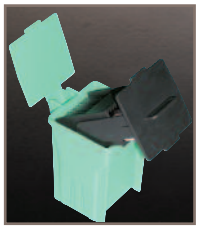
The **EasyDip™ Slide Staining Rack** will hold up to 12 microscope slides with dimensions such as 75 x 25 mm, (3 x 1 in.) and even 76 x 26 mm and with a thickness of 1.0 and 1.2 mm. The slides fit into individual slots for free passage and rapid drainage of staining fluids. Since they are placed vertically in the rack and not horizontally, their writing area will not be stained by the fluid, allowing their removal without the use of forceps. The lid completely covers the **EasyDip™** Slide Staining Jar to minimize spill and evaporation. A handle is permanently attached to the rack for easy insertion and removal of slides without your fingers touching the solution. Available in dark gray only. Will resist temperatures between -170 °C and +121 °C. Autoclavable. Dimensions: 60 x 64 x 97 mm H (2 ¼ x 2 ½ x 3 ¾ in. H)

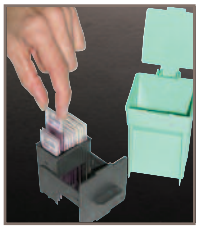
EasyDip™ Slide Staining Rack

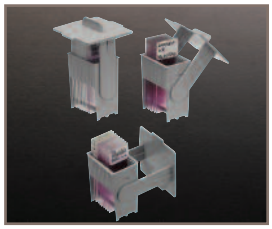
Cat.#	Color	Qty/Cs
M905-12DGY	Dark Gray	6

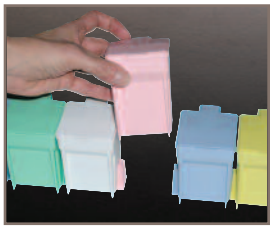
Jars can be loosely joined to each other laterally.

A handle is permanently attached to the rack for easy insertion and removal.


Staining rack is placed at an angle to facilitate draining of slides.


Vertical rack eases slide removal without using forceps.


Slides are fully secured when lid is upright. Rotate it sideways to allow their easy removal.


The EasyDip™ Slide Staining System makes it easy to change and replace staining jars as needed without having to dismantle each individual unit.

M920

StainTray™
Slide Staining System

Made of ABS Plastic

Another user friendly approach to immunohisto-chemistry staining. This tray is also suitable not only for routine staining requiring a humid chamber but is also ideal for Hematology, Cytology and Microbiology laboratories. Manipulation is made safe and easy by using only one hand.

The StainTray™ has a black base made of tough ABS plastic withstanding a wide range of chemicals (Avoid chlorinated hydrocarbons). It will accept up to 20 slides on four plastic rails covered with a polymer strip to perfectly hold slides even if tray is held at an angle. When humidity is needed, wells between rails will hold up to one ml of water securely without splashing. Middle wells will hold up to 2 ml each. Rails are raised not only to avoid water touching the slides but to make them more easily retrieveable. The base will also hold excess stain solution dripping from the slides. Four rubber feet ensure greater base stability. Units are stackable for space saving purposes.

DO NOT USE WITH ACETONE

Two covers are available:

- A clear one allowing for visual examination. Made of PETG with a temperature range of -20 °C to +60 °C.
- A black lid for fluorescent work. Made of ABS with a temperature range of -80 °C to +80 °C

Dimensions with cover: 38 x 24 x 4.5 cm H (15 x 9 3/8 x 1 3/4 in. H)

Cat.#	Description	Capacity	Qty/Cs
M920-1	Base with Clear Lid	20 slides	1
M920-2	Base with Black Lid	20 slides	1
M921-1	Clear Lid only for M920	–	1
M921-2	Black Lid only for M920	–	1

SLIDE STAINING

M918

StainTray™
Slide Staining System

Made of ABS Plastic

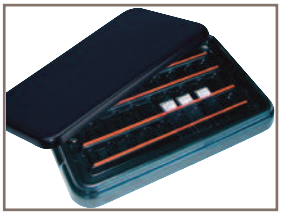
This 10-slide StainTray™ offers the same great features and benefits as the M920 Model.Dimensions with cover: 24 x 24 x 4.5 cm H (9 3/8 x 9 3/8 x 1 3/4 in. H)

Cat.#	Description	Capacity	Qty/Cs
M918-1	Base with Clear Lid	10 slides	1
M918-2	Base with Black Lid	10 slides	1
M919-1	Clear Lid only for M918	–	1
M919-2	Black Lid only for M918	–	1

Plastic rails are covered with a polymer strip to hold slides perfectly even if tray is held at an angle.

Wells between rails can be used to hold water for techniques needing a humid environment.

Drain plug can be removed for easier emptying of SlideTray.



A black lid for fluorescent work. Made of ABS with a temperature range of -80 °C to +80 °C.

M950

LockMailer™ Microscope Slide Jar

Jar made of Polypropylene
Closure made of High Density Polyethylene

At last a tamper evident multi purpose container for mailing, staining or storing microscope slides.

Constructed of extra-strong and clear polypropylene, it will hold up to 4 standard 3 x 1 in. or 75 x 25 mm slides vertically. Inside channels are slotted to keep slides safely separated. Perfect also for slide conveyors and specimen slide transport between the doctor's office and the lab.

It incorporates a unique tamper evident leakproof screw cap ensuring your peace of mind during transport or storage situations where someone might have manipulated your slides without your prior knowledge. Can also be used without the tamperproof locking mechanism. For color coding purposes, use a Capinsert™ (see T345 Series) that may be inserted on top of closure. Ten different colors are available.

The container is designed for maximum stability on a bench top while having an internal volume of only 12 ml.

Dimensions: 35 x 87 mm H (1 3/8 in. x 3 7/16 in. H)

Cat. #	Color	Qty/Pk	Qty/Cs
M950-4MA	Magenta	100	500

Slide Mailing

How to use the LockMailer™

Push up the attached tab on side of vial.

Make sure it firmly clicks in place.

Screw on tamperproof cap all the way.

When opening the vial, the tamper evident ring will detach itself from the cap.

The LockMailer™ can also be used without the tamper evident feature.

T345

Color Coding **CAPINSERT™**

Made of polypropylene

T345 CapInserts™ are available for a multitude of Simport products. For more details and colors available please refer to page 111.

Cat. #	Color	Cat. #	Color	Qty/Pk	Qty/Cs
T345B	Blue	T345P	Pink	100	500
T345GY	Gray	T345R	Red	100	500
T345G	Green	T345V	Violet	100	500
T345L	Lilac	T345W	White	100	500
T345O	Orange	T345Y	Yellow	100	500
		T345AS	Assorted*	100	500

* Blue, lilac, red, yellow and white

M800
UniMailer™ Slide Mailer

Made of high impact polystyrene

For many years now, noticeable improvements on the design of slide mailers have been scarce. Following many suggestions from users in the lab field, **Simport** is now proud to come out with the UniMailer™, a truly versatile model which can easily be used for handling and shipping one or as many slides as needed, while having to keep only one model in inventory.

The UniMailer™ is a one-slide tray allowing the use of as many as necessary according to the number of slides to be mailed. Not only do they fit snugly on top of each other but they are also secured by an innovative locking mechanism. You may also want to insert a tamperproof tie or attach an ID label.

Designed to accommodate 25 x 75 mm and 1 x 3 in. slides with or without cover glasses, they can also be used to provide safe storage for those valuable slides you want to protect. It provides for multiple reuse or single use disposability.

Each tray allows placing the slide in a horizontal position for full visibility. Slides can easily be inserted with an exact fit to avoid any breaking during transport. When pressed on either side while in the UniMailer™, they will pop-up for easy removal.

Identification can be made on three sides or on top. Made of an almost unbreakable plastic, they are available in many popular pastel colors for easy identification. Packed in bag of fifty slide mailers. Will resist temperatures between -80 °C and +80 °C.

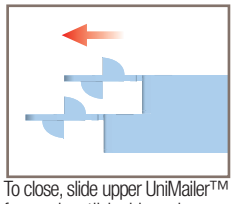
Dimensions: 89 x 29 x 6 mm H (3 1/2 x 1 3/8 x 1/4 in. H)

Slide Mailer

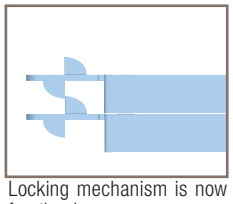
1. Slides fit perfectly to avoid any vibrations and breaking during transport.
2. Ship as many slides as needed, using only one type of slide mailer.
3. A special locking tab keeps UniMailer™ slide mailers securely in place.
4. Through holes, you can attach ID label or tamperproof tie.
5. Three writing surfaces for proper slide identification.
6. Strong plastic ensures rigidity and avoids any slide breakage.
7. Great for accessing one slide at a time while other slides are being kept well protected.

Cat. #	Color	Qty/pk	Qty/Cs
M800-100B	Blue	50	200
M800-100G	Green	50	200
M800-100P	Pink	50	200
M800-100W	White	50	200
M800-100Y	Yellow	50	200

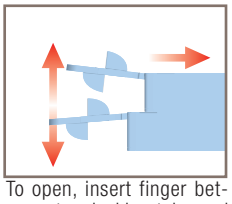
Not only do UniMailer™ slide mailers fit snugly on top of each other but are secured by an innovative locking mechanism.



To close, slide upper UniMailer™ forward until locking pins are engaged.



Locking mechanism is now functional.



To open, insert finger between two locking tabs and slide back upper UniMailer™.

The UniMailer™ is easy to use

Identify content by writing on sides.

Place slide in UniMailer™

Place another slide mailer on top and slide forward until a click is heard.

If desired, you can attach a tamperproof tie.

To open, slightly lift front tab to disconnect lock and slide back upper UniMailer™.

Press on slide to lift and remove.

Introducing the

NEW

HistoTainer™

Prefilled Sample Containers
with 10% Neutral Buffered Formalin

M960

HistoTainer™
Prefilled Specimen Containers

Better be safe than sorry!
TAMPER EVIDENT
For your sample protection

Container made of polypropylene / Closure made of polyethylene

Especially designed for collection, transport and storage of histology specimens, Simport offers shatter resistant polypropylene containers, eliminating most problems of leakage and evaporation. Containers are uniquely stackable, shatter resistant and are manufactured from virgin, translucent polypropylene. The magenta lids are ribbed for easy opening when hands are wet or gloved while the jars are stackable for easy, safe storage and translucent to allow specimens to be viewed without opening. They are manufactured from virgin polyethylene with a unique integrated leak-resistant seal. Containers are available in the more rigid straight side format.

The uniqueness of the HistoTainer™ is that it incorporates an innovative tamper evident screw cap ensuring your peace of mind during transport or storage situations where someone might have manipulated the specimen without your prior knowledge. Can also be used without using the tamper evident locking mechanism. For color coding purposes, use a Capinsert™ (see T345 Series on page 48) on top of the closure. Ten different colors are available.

Both containers and caps are manufactured without the use of plasticisers or mold release agents. All material used in manufacture are free from latex. All containers are 95 kPa compliant. Available in many sizes from 20 to 120 ml.

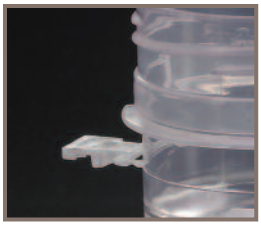
The Simport HistoTainer™ is half filled with 10% Neutral Buffered Formalin as a fixative. 10% Neutral Buffered Formalin penetrates quickly, but fixes slowly. The Simport Formalin is enhanced by a buffering capacity that optimizing histological results by light microscopy and immunohistochemistry.

The Simport HistoTainer™ is highly recommended in the following laboratories:

- Microbiology
- Urinanalysis
- Pathology
- Drug Testing
- Histology

Cat. #	Description	Volume	Qty/Pk	Qty/Cs
M960-20FMA	Histotainer Prefilled	20 ml	24	96
M960-40FMA	Histotainer Prefilled	40 ml	24	96
M960-60FMA	Histotainer Prefilled	60 ml	24	96
M960-90FMA	Histotainer Prefilled	90 ml	24	96
M960-120FMA	Histotainer Prefilled	120 ml	24	96

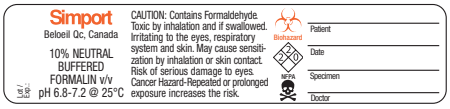
CE



The HistoTainer™ is built with a unique tamper evident locking mechanism used when sample integrity is of high importance.

SPECIMEN CONTAINERS

Packaged in sturdy cardboard boxes with handles for easy carrying



Warning label has space for patient identification

T345

Color Coding CAPINSERT™

Made of polypropylene

T345 Capinserts™ are available for a multitude of Simport products. For more details and colors available please refer to page 111.

How to use the HistoTainer™

Remove Screw Cap.

Place sample in container.

Push up the attached tab on side of vial. Make sure it firmly clicks in place.

Screw on tamper evident cap completely.

When opening the vial, the tamper evident ring will detach itself from the cap.

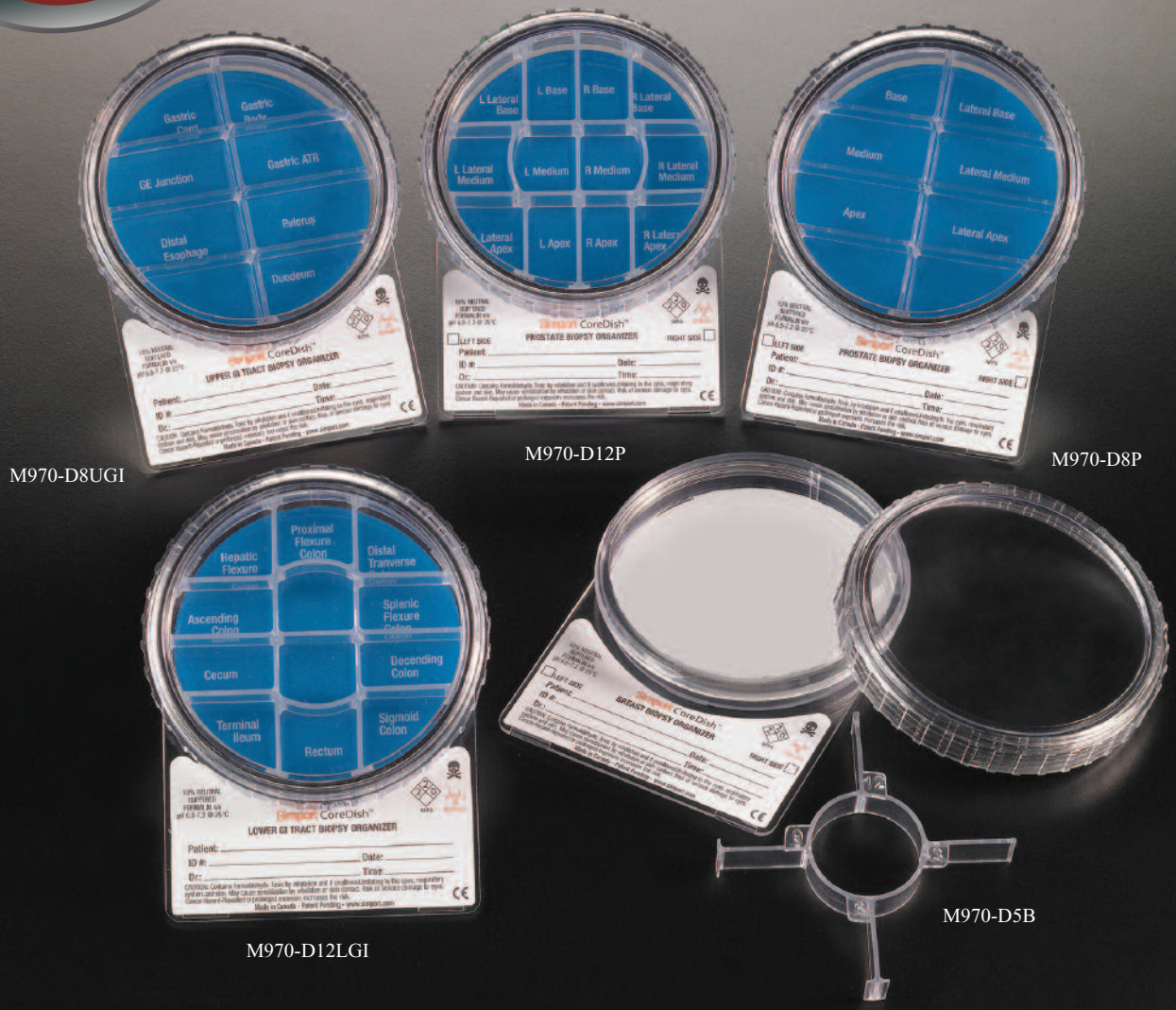
The HistoTainer™ can also be used without the tamper evident feature.

CoreDish™

Multiple Biopsy Containers

NEW

50% Prefilled with 10% Formalin



M970-D8UGI

M970-D12P

M970-D8P

M970-D12LGI

M970-D5B

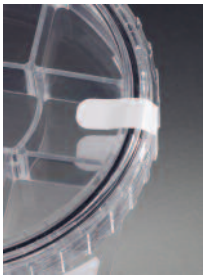
Made of polystyrene

CE

Few recommendations concerning how the biopsies should be handled have been published. Performing a large number of biopsies means an increase in the number of containers handled and consequently a technical overload of the transmission network, which occurs without any financial counterpart. A new approach had to be developed in order to increase productivity.

Simport is proud to offer a multi-compartment container in the shape of a dish and half prefilled with 10% Neutral Buffered Formalin, for holding and transporting biopsies. It is supplied with a leakproof closure with O-ring ensuring total protection of contents. It conforms to OSHA directives. The Simport CoreDish™ measures only 15 x 95 mm in diameter. Each compartment is clearly identified to allow proper placement and visualization of the biopsy being inserted. Thanks to the CoreDish™ it is no more necessary to use a multitude of individual containers, thereby reducing risks of confusion.

The Simport CoreDish™ offers many configurations in order to hold different biopsies of the breast, prostate, upper GI tract and lower GI tract. A label allows essential information to be written such as patient I.D., doctor, date and time.



A tamper evident seal is supplied for better protection of content.

M970-D5B

Designed specifically for core needle breast biopsies. Five compartments. Leakproof seal, thanks to O-ring lid, allows for safe and easy transport of the specimens. Special absorbent liner keeps the specimens moist prior to radiography while helping to attenuate the x-ray beam. The radiolucent numbers show up clearly on the radiograph. Formalin may be added prior to transportation to pathology for analysis. An area for writing patient information is provided on label. Not formalin prefilled. Not available in USA.

Cat. #	For	Compartments	Qty/Pk	Qty/Cs
M970-D5B	Breast	5	1	10

M970-D8P

For prostate biopsies. Eight compartments. Leakproof seal thanks to O-ring lid. An area for patient information is provided. Six labeled compartments: Base, Lateral Base, Medium, Lateral Medium, Apex, Lateral Apex.

Cat. #	For	Compartments	Qty/Pk	Qty/Cs
M970-D8P	Prostate	8	1	10

M970-D8UGI

For upper GI track biopsies. Eight compartments. Leakproof seal thanks to O-ring lid. An area for patient information is provided. Seven labeled compartments: Gastric Card, Gastric Body, GE Junction, Gastric ATR, Distal Esophage, Pylorus, Duodeum.

Cat. #	For	Compartments	Qty/Pk	Qty/Cs
M970-D8UGI	Upper GI Tract	8	1	10

M970-D12LGI

For lower GI track biopsies. Twelve compartments. Leakproof seal thanks to O-ring lid. An area for patient information is provided. Ten labeled compartments: Proximal Flexure Colon, Hepatic Flexure Colon, Distal Transverse Colon, Ascending Colon, Splenic flexure Colon, Cecum, Decending Colon, Terminal Ileum, Rectum, Sigmoid Colon.

Cat. #	For	Compartments	Qty/Pk	Qty/Cs
M970-D12LGI	Lower GI Tract	12	1	10

M970-D12P

For prostate biopsies. Twelve compartments. Leakproof seal thanks to O-ring lid. An area for patient information is provided. Twelve labeled compartments: L Base, R Base, L Lateral Base, R Lateral Base, L Lateral Medium, L Medium, R Medium, R Lateral Medium, L Lateral Apex, L Apex, R Apex, R Lateral Apex.

Cat. #	For	Compartments	Qty/Pk	Qty/Cs
M970-D12P	Prostate	12	1	10

CytoSep™ Family

NEW

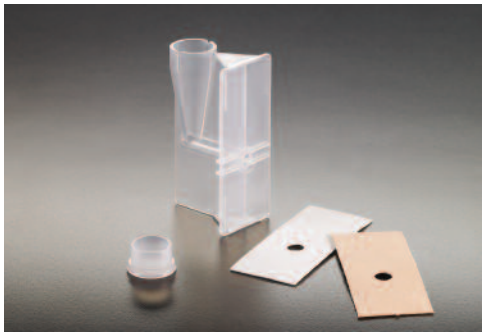
AVAILABLE SOON

The Simport CytoSep™ Family is a series of Cytology Funnel sample chambers specially designed to concentrate cells into thin-layer preparations. Simport is one of the most trusted names in the disposable plasticware marketplace, providing quality products for more than 33 years and is proud to offer the largest choice of Cytology Funnels on the market by manufacturing numerous models for use with the Shandon Cytospin® 4 Cytocentrifuge, the Sakura Cyto-Tek® Cytocentrifuge, the Hettich Cyto-System, the Wescor Cytopro® Cytocentrifuge and finally the StatSpin Cytofuge® 2 Cytocentrifuge. They are safer than reusable sample chambers and lower your risk of contamination to pathogenic samples. After use, they are simply discarded. The CytoSep™ Cytology Funnels are a time saver compared to cleaning and sterilizing reusable sample chambers. The simport CytoSep™ Cytology Funnels are recommended for the following applications:

- Bronchial alveolar lavage washes
- Cerebrospinal fluids
- Exudates and transudates
- Fine needle aspirates, and other aspirates
- Gastric washes
- Oral cavity washes
- Pericardial fluids
- Peritoneal fluids
- Pleural fluids
- Sputum
- Synovial fluids
- Urine

Consumables for the Shandon Cytospin® 4 Cytocentrifuge

Simport Single **CytoSep™** Cytology Funnels



Fully compatible with the Shandon CytoSpin® Centrifuge, Simport CytoSep™ Cytology Funnels can be used to deposit a thin layer of cells in a clearly defined area of a microscope slide. The filter card absorbs any excess fluid. These Cytology Funnels have the filter cards pre-attached for consistent, reliable results. No alignment necessary! All disposable Funnels are packaged with closure caps to seal in specimen for added protection. All components also available separately.

For sample volumes of up to 0.5 ml, use the Simport Single CytoSep™ Cytology Funnel with a White Filter Card and Cap. It provides a cell deposition area of 6 mm (28 mm squared) and allows one sample to be run simultaneously on a single slide. It is not necessary to use a different stainless steel slide clip.

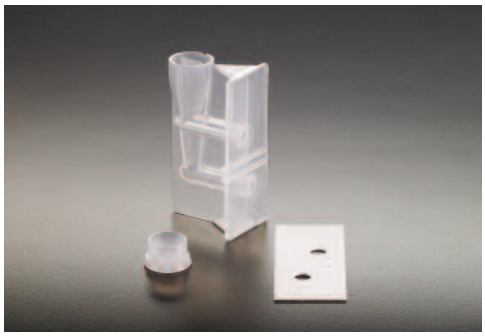
For samples volumes of up to 0.4 ml, such as Spinal Fluids for example, use the Single CytoSep™ Cytology Funnel with Brown Filter Card and Cap. It allows for a slower absorption of fluids. All the individual components are also available separately.

Cat. #	Description	Qty/Pk	Qty/Cs
M964-10FW	Single Funnel with White Filter & Cap	50	500
M964-10FT*	Single Funnel with Brown Filter & Cap	50	500
M964-1	Single Funnel only	–	500
M965C	Cap only	50	500
M965FW	White Filter Paper for Single Funnel	200	–
M965FT*	Brown Filter Paper for Single Funnel	200	–

*Available soon

Cytology Funnels

Simport Double **CytoSep™** Cytology Funnel



The Simport Double CytoSep™ Cytology Funnel with disposable sample chamber allows for two samples to be run simultaneously on a single slide and is ideal for immunohistochemistry work. The Double CytoSep™ Cytology Funnel provides a cell deposition area of 6 mm (28 mm squared) for sample volumes of up to 0.5 ml. The filter card comes pre-attached. Cap is included. No need to use a different stainless steel slide clip. Each component is also available separately.

Cat. #	Description	Qty/Pk	Qty/Cs
M964-20FW	Double Funnel with White Filter & Cap	50	500
M964-1D	Double Funnel only	–	500
M965C	Cap only	50	500
M965FWD	White Filter Paper for Double Funnel	200	–

Consumables for the Shandon Cytospin® 4 Cytocentrifuge

Simport ALL PLASTIC **CytoSep™** Cytology Funnels

These are so easy to use, and improve turn-around time while giving more diagnostic information. Being totally disposable, they eliminate time-consuming decontamination and cleaning. They are safe to use and reduce the risk of exposure to pathogenic samples. They also decrease the possibility of cross-contamination.

This series of Simport Single CytoSep™ Cytology Funnels is single-use. The disposable sample chambers do not need metal clips and are designed to meet any processing requirement. They are capable of producing high quality thin-layer slide preparations while improving laboratory efficiency.

The disposable Sample Chambers with White Filter Cards are used for sample volumes up to 0.5 ml; the ones with the Brown Filter Cards are for sample volumes up to 0.4 ml. The cell deposition area is 6 mm in diameter (28 mm squared). Filter cards are pre-attached. Excellent for scanty specimens such as CSF. All components also available separately.

Cytology Funnels

Cat. #	Description	Qty/Pk	Qty/Cs
M965-10FW	Single Funnel with White Filter & Cap	40	480
M965-10FT*	Single Funnel with Brown Filter & Cap	40	480
M965-1	Single Funnel only	50	500
M965B	Base only	50	500
M965C	Cap only	50	500
M965FW	White Filter Paper for Single Funnel	200	–
M965FT*	Brown Filter Paper for Single Funnel	200	–

*Available soon

Simport ALL PLASTIC Double **CytoSep™** Cytology Funnels

This CytoSep™ Cytology Funnel allows 2 sample deposition areas on a single slide. The disposable sample chambers do not need metal clips. Pre-attached filter card. This Sample Chamber is also disposable.

Cat. #	Description	Qty/Pk	Qty/Cs
M965-20FW	Double Funnel with White Filter & Cap	40	480
M965-1D	Double Funnel only	50	500
M965B	Base only	50	500
M965C	Cap only	50	500
M965FWD	White Filter Paper for Double Funnel	200	–

Consumables for the Shandon Cytospin® 4 Cytocentrifuge

Simport MEGA **CytoSep™** Cytology Funnel

The Simport ALL PLASTIC CytoSep™ MEGA Funnel provides an easy, efficient and cost effective method of producing high quality thin-layer slide preparations. It eliminates the need for stainless steel slide clips, offering laboratory workflow improvements. It is dedicated for convenient preparation of larger volume samples.

This larger funnel is quick and easy to remove. The large rectangular cell deposition area of 22 x 14.75 mm (325 mm squared) provides for up to 12 times the sample volume (6 ml) of the single CytoSep™ Cytology Funnel. It produces more cost-effective thin layer preparations when compared to other thin layer methods. Strategically placed baffles inhibit cell settling which results in uniform cell deposition and excellent quality slide preparations. Simport ALL PLASTIC CytoSep™ Cytology MEGA Funnel and Cap minimize user exposure to pathogens while reducing the risk of specimen cross-contamination. Can prepare both air-dried and fixed preparations.

Cat. #	Description	Qty/Pk	Qty/Cs
M965-40	MEGA Funnel & Cap	40	480

Cytology Funnels

Consumables for the Sakura Cyto-Tek® Cytocentrifuge

Simport **CytoSep™** Cytology Funnel for Sakura Cyto-Tek® Cytocentrifuge

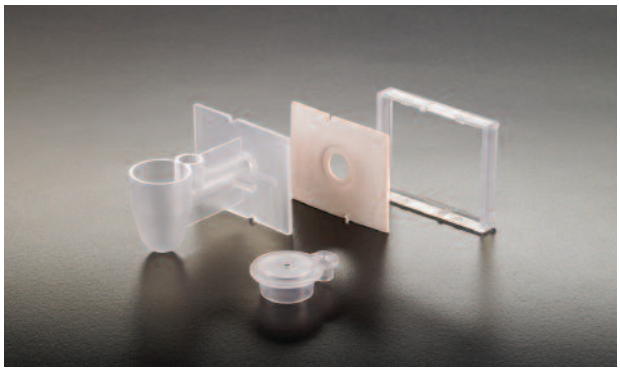
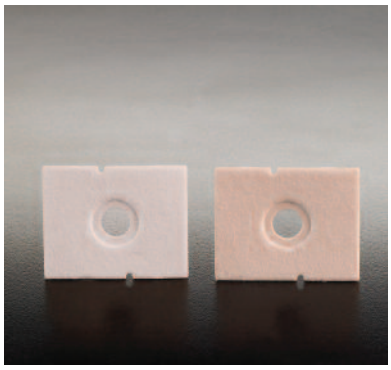
All components are available separately. The Simport CytoSep™ Cytology Funnel offers the 1-ml fluid chamber component including the 1 ml fluid chamber, 1 ml base holder, 1 ml chamber cap, and the appropriate filter paper.

Cat. #	Description	Qty/Pk	Qty/Cs
M963-1	Fluid Chamber only, 1 ml	50	200
M963B	Base Holder only	50	200
M963C	Cap only	50	200
M963FW	White Filter Card only	–	200

Consumables for the Wescor Cyto-System

Cytology Funnels

Simport Single **CytoSep™** Cytology Funnels for the Wescor Cytopro® Cytocentrifuge

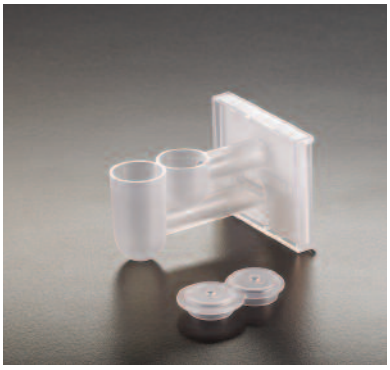
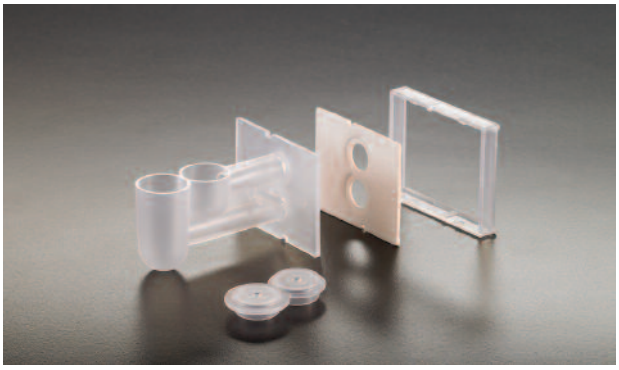
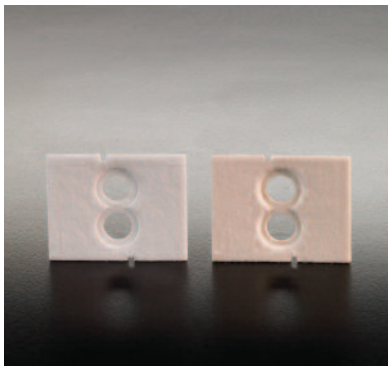
These funnels will snap quickly in place, allowing the pad to align correctly with the sample tunnel. Made with a compression ring around the sample hole in order to better control the rate of absorption and to ensure more consistent results.

Two ports, one in the sample well and one in the tunnel, provide great versatility. Samples are loaded directly through the chamber caps to prevent spilling of hazardous ones. Caps provide added safety to the operator. A large, centered cell deposit area makes screening easier and more sensitive. **Not available in USA.**

Cat. #	Description	Qty/Tray	Qty/Pk
M967-10FW	Single Sample Chamber With White Filter Paper & Cap	48	–
M967-10FT*	Single Sample Chamber With Tan Filter Paper & Cap	48	–
M967FW	White Filter Paper for Single Funnel	–	100
M967FT*	Tan Filter Paper for Single Funnel	–	100

*Available soon

Simport Dual **CytoSep™** Cytology Funnels for the Wescor Cytopro® Cytocentrifuge

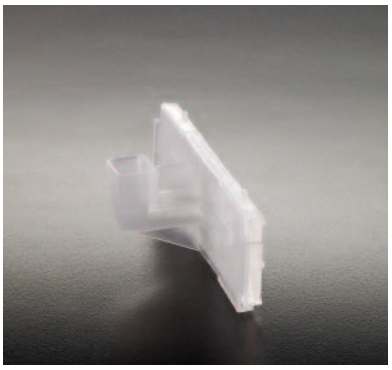
With two chambers, cell deposit areas are close together and easy to find, helping to speed sample analysis. Two deposit areas on one slide enhance all of the advantages of the popular single chambers. Reduced time spent loading and unloading slides. **Not available in USA.**

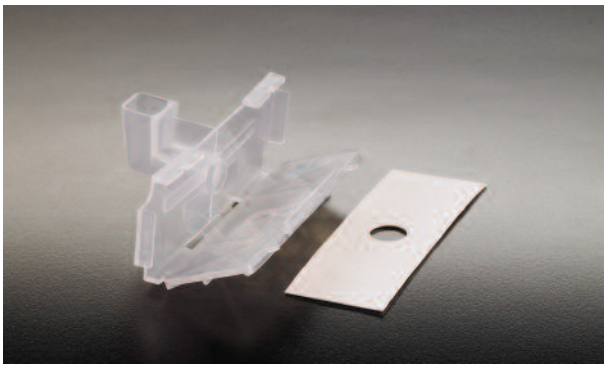
- Two cell deposit areas on the same slide means true cost reduction.
- Two deposit areas on one slide enhances productivity for those under regulatory workload limitations.
- Reduced time spent loading and unloading slides between the rotor, stainer and microscope.
- Cell deposit areas are close together and easy to find, helping to speed sample analysis.
- Cytopro's 7 mm diameter spot provides a 37% larger area to collect cells.

Cat. #	Description	Qty/Tray	Qty/Pk
M967-20FW	Double Sample Chamber With White Filter Paper & Cap	48	–
M967-20FT*	Double Sample Chamber With Tan Filter Paper & Cap	48	–
M967FWD	White Filter Paper for Single Funnel	–	100
M967FTD*	Tan Filter Paper for Single Funnel	–	100

*Available soon

Consumables for the StatSpin Cytofuge® 2 Cytocentrifuge



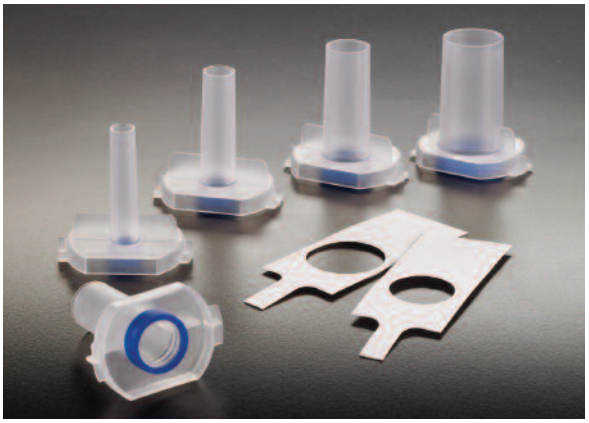


Simport CytoSep™ Cytology Funnels for the StatSpin Cytofuge® 2 Cytocentrifuge allow cells to gently concentrate in a 7 mm diameter area on the slide while supernatant is simultaneously absorbed by a filter card. Will accept 50-400 µl of sample. Produces cell monolayer presentations of excellent quality. M968-1 **not available in USA.**

Cat. #	Description	Qty/Pk
M968-1	Cell Concentrator	48
M968FW	Disposable Filter Concentrator	200

Cytology Funnels

Consumables for the Hettich Cyto-System



The Simport CytoSep™ Funnel Chambers for the Hettich Cyto-System optimize lab throughput with multiple funnel options in 2, 3, or 4 funnels per slide. These funnels are perfect for every application such as CSF, Viral infections, Bronchial secretions and come in four sizes from 1 ml to 8 ml. The 1 ml chamber is for small-volume samples of low cell contents. Both 2 and 4 ml chambers are suggested for cell-rich samples, e.g. pleura, ascites and bronchial washings while the 8 ml chamber is perfect for large-volume samples such as urine.

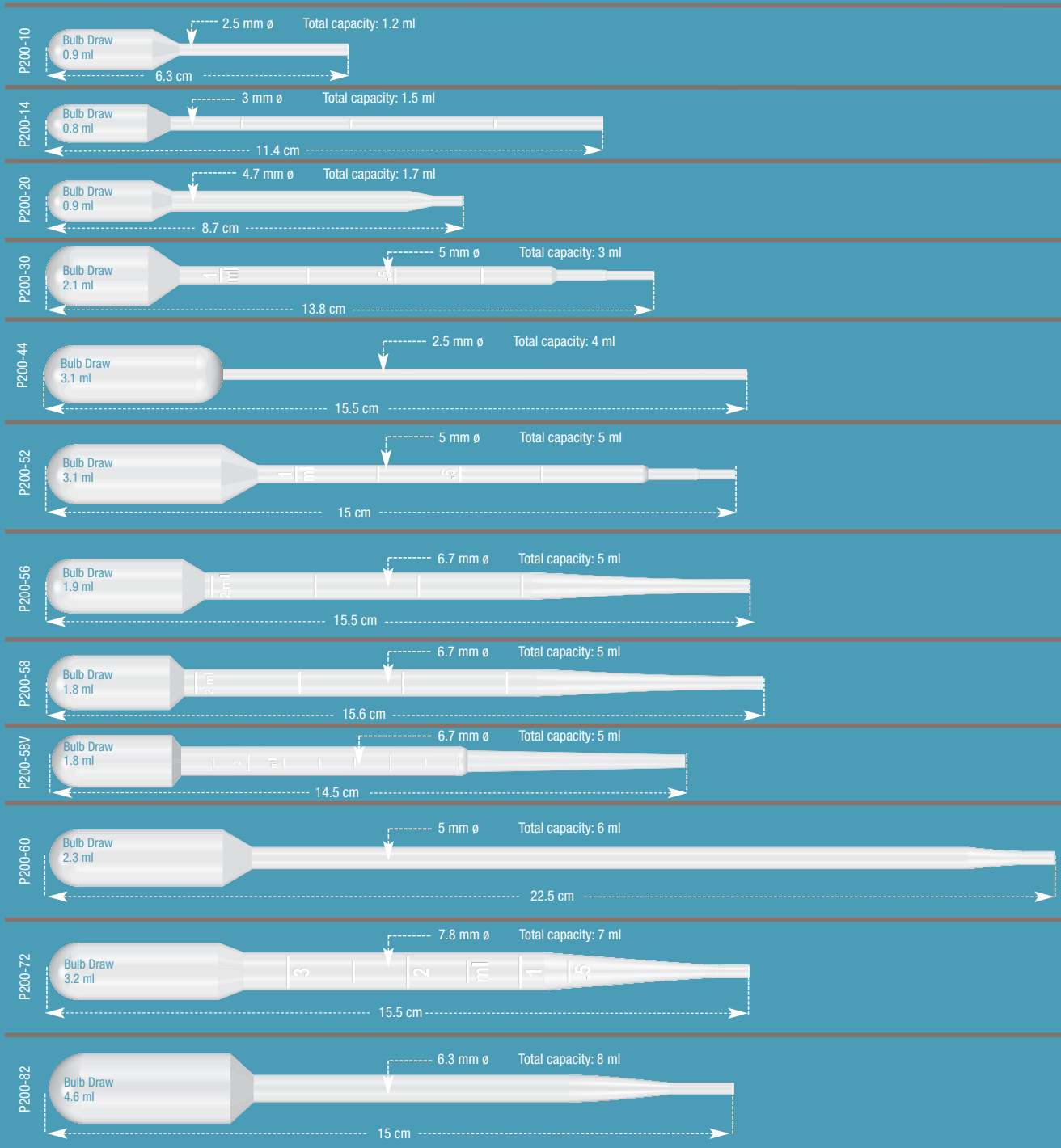
Cat. #	Description	Qty/Pk	Qty/Cs
M966-1	One-Funnel Chamber, 1 ml	10	50
M966-2	One-Funnel Chamber, 2 ml	10	50
M966-4	One-Funnel Chamber, 4 ml	10	50
M966-8	One-Funnel Chamber, 8 ml	10	50
M966FW	Filter for 1, 2 and 4 ml Chambers	200	–
M966FW8	Filter for the 8 ml Chamber	200	–

P200
DROPETTE® Disposable Transfer Pipets

Made of low density polyethylene

These unbreakable all-in-one pipets eliminate the hazard of broken glass and exposure to infectious materials. Put an end to matching rubber bulbs with glass pipets. Molded from see-through low density polyethylene. Inert to biological fluids and most acids. The low-affinity surface reduces the loss of cells and valuable proteins due to binding. Can be sealed and refrigerated. They work well whenever there is a need for quick, safe transfer of fluids. Temperature resistant down to -196 °C. Can be gaz (EtO) sterilized.

Choose between 12 very popular models, available in several sizes, tip designs and lengths, in sterile or non sterile packaging. Seven models provide graduations.



- Will not shatter or break
- Can be used in liquid nitrogen
- Unbreakable
- Non toxic and inert
- No bulb to insert or remove
- Uniform drop size

Cat. #	Sterile	Graduated	Length	Capacity	Bulb draw	Inner pack
P200-10			6.3 cm	1.2 ml	0.9 ml	Loose
P200-101S*	•					1
P200-1020S*	•					20
P200-14		•	11.4 cm	1.5 ml	0.8 ml	Loose
P200-141S*	•					1
P200-1420S*	•					20
P200-20			8.7 cm	1.7 ml	0.9 ml	Loose
P200-201S*	•					1
P200-2020S*	•					20
P200-30		•	13.8 cm	3 ml	2.1 ml	Loose
P200-301S*	•					1
P200-3020S*	•					20
P200-44			15.5 cm	4 ml	3.1 ml	Loose
P200-441S*	•					1
P200-445S*	•					5
P200-4410S*	•					10
P200-4420S*	•					20
P200-52		•	15 cm	5 ml	3.1 ml	Loose
P200-521S*	•					1
P200-525S*	•					5
P200-5210S*	•					10
P200-5220S*	•					20
P200-56		•	15.5 cm	5 ml	1.9 ml	Loose
P200-561S*	•					1
P200-565S*	•					5
P200-5610S*	•					10
P200-5620S*	•					20
P200-58		•	15.6 cm	5 ml	1.8 ml	Loose
P200-581S*	•					1
P200-5820S*	•					20
P200-58V		•	14.5 cm	5 ml	1.8 ml	Loose
P200-58V1S*	•					1
P200-58V20S*	•					20
P200-60			22.5 cm	6 ml	2.3 ml	Loose
P200-601S*	•					1
P200-605S*	•					5
P200-6010S*	•					10
P200-6020S*	•					20
P200-72		•	15.5 cm	7 ml	3.2 ml	Loose
P200-721S*	•					1
P200-725S*	•					5
P200-7210S*	•					10
P200-7220S*	•					20
P200-82			15 cm	8 ml	4.6 ml	Loose
P200-821S*	•					1
P200-8220S*	•					20

Packaging:

All non sterile pipets are in boxes of 500 and cases of 5000.

Exception: P200-82 are in boxes of 400 and cases of 4000.

Most sterile pipets are in boxes of 400 and cases of 4000.

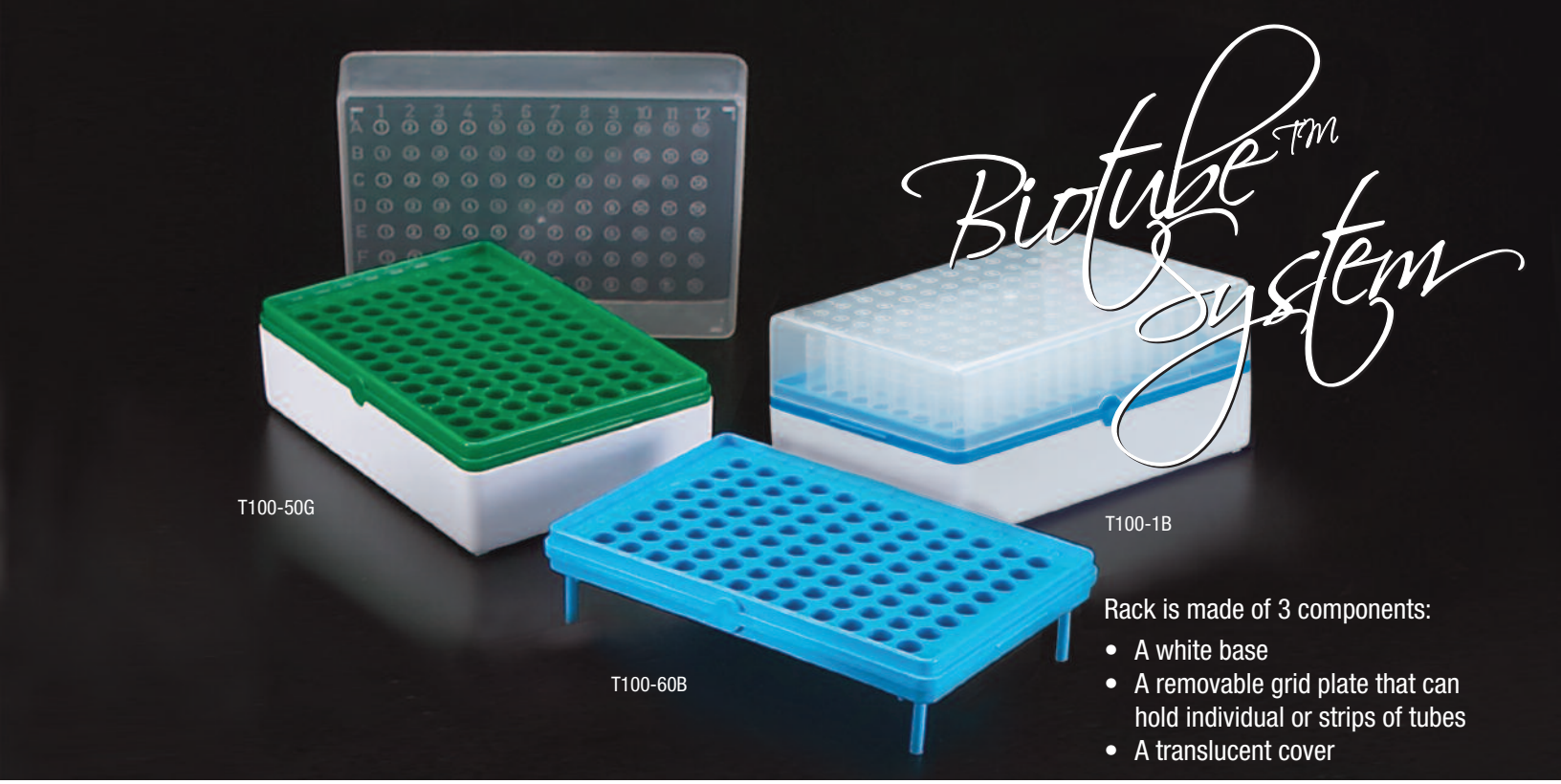
* *Available on request only. Minimum quantities apply. Please enquire for more details.*

Transfer Pipets

Biotube™ Family

Simport offers a wide choice of racks containing 96 x 1.2 ml tubes (8.8 mm top dia. x 45 mm H, or strips of 8 or 12. Tubes, strips, caps and boxes are available as separate units as well. The racks hold the tubes in the standard microtiter configuration of 8 x 12 and are available sterile or non sterile. All components are made of the highest quality polypropylene to ensure low protein binding characteristics. The racks can be autoclaved up to 100 times. Both tubes and racks will resist most research chemicals. They can also be stored at temperatures as low as -90 °C and their configuration allows for optimum use of freezer space.

Each rack cover has an alphanumeric numbering system for identifying tubes and is supplied with a removable 96-place ID card for recording sample location. The transparent cover allows the user to see the contents of the rack and is keyed to the base to prevent misalignment.



T100
BioTube™ Rack

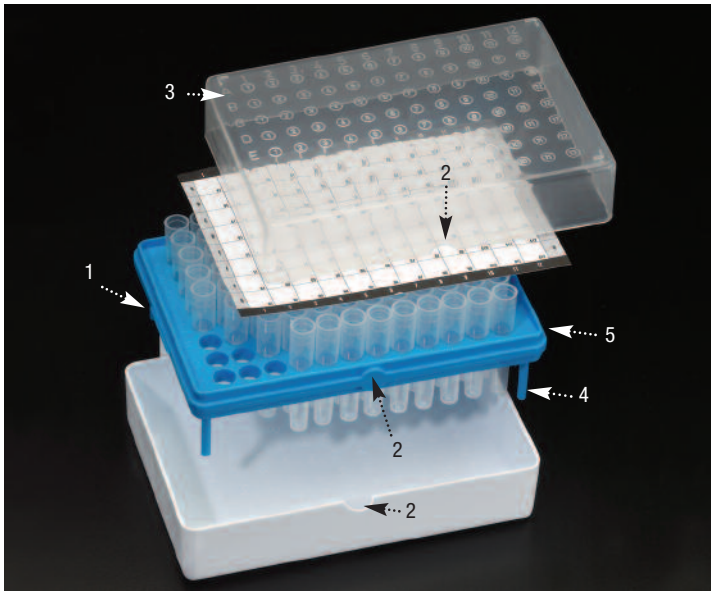
Made of polypropylene

The T100 BIOTUBE™ rack with standard 96-well on center spacing of tubes offers a color coding system using colored interchangeable plastic grids. These are used as a support for the 1.2 ml tubes. This unique grid stands on four legs and can be removed from the base of the box and placed on a lab counter as a self-standing support. It can also be placed in a refrigerator or freezer shelf for improved air circulation around tubes, or in a water bath to allow controlled warming of the tubes and their contents. Easy to read numbers and letters used on the box cover for sample identification are also shown on the support grids. The gridded racks are available in a choice of four popular colors: blue, green, red and yellow. These racks and tubes are also ideal for storing, freezing and transporting reagents and specimens.

Cat. #	Description	Grid Plate Color	Qty/Cs
T100-1B	Rack with 96 plain individual tubes	Blue	10
T100-1G	Rack with 96 plain individual tubes	Green	10
T100-1R	Rack with 96 plain individual tubes	Red	10
T100-1Y	Rack with 96 plain individual tubes	Yellow	10
Cat. #	Description	Grid Plate Color	Qty/Cs
T100-2B	Rack with 96 plain individual tubes, sterile	Blue	10
T100-2G	Rack with 96 plain individual tubes, sterile	Green	10
T100-2R	Rack with 96 plain individual tubes, sterile	Red	10
T100-2Y	Rack with 96 plain individual tubes, sterile	Yellow	10
Cat. #	Description	Grid Plate Color	Qty/Cs
T100-3B	Rack with 12 strips of 8 tubes	Blue	10
T100-3G	Rack with 12 strips of 8 tubes	Green	10
T100-3R	Rack with 12 strips of 8 tubes	Red	10
T100-3Y	Rack with 12 strips of 8 tubes	Yellow	10
Cat. #	Description	Grid Plate Color	Qty/Cs
T100-4B	Rack with 12 strips of 8 tubes, sterile	Blue	10
T100-4G	Rack with 12 strips of 8 tubes, sterile	Green	10
T100-4R	Rack with 12 strips of 8 tubes, sterile	Red	10
T100-4Y	Rack with 12 strips of 8 tubes, sterile	Yellow	10
Cat. #	Description	Grid Plate Color	Qty/Cs
T100-50B	Storage box only	Blue	10
T100-50G	Storage box only	Green	10
T100-50R	Storage box only	Red	10
T100-50Y	Storage box only	Yellow	10

For details on tubes and strips, see page 65.

Cluster Tubes



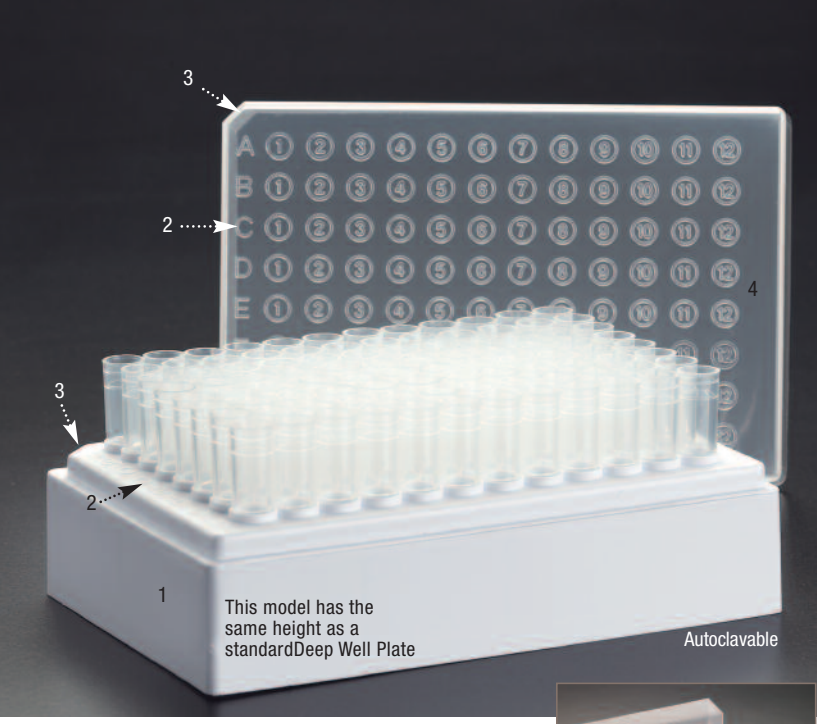
1- Convenient carrying handles on both sides

2- Cover, grid plate and base are keyed to prevent misalignment

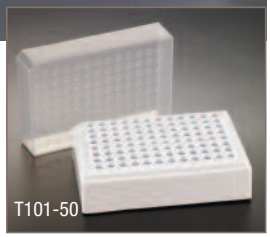
3- Easy to read ID numbers and letters

4- Grid plate stands on 4 legs and can be placed on a lab counter, in a water bath

5- These racks and tubes are also ideal for storing, freezing and transporting reagents and specimens



1. This rack has a standard microtiter sized footprint.
2. Easy to read ID numbers and letters
3. Cover and base are keyed to prevent misalignment
4. Translucent cover



T101
BioTube™ Rack

CONFORMS TO SBS STANDARDS

Made of polypropylene

The T101 BIOTUBE™ System is designed in such a way that the 96-place rack, having a standard on-center spacing of tubes, also has a standard microtiter sized footprint. This rack is therefore suitable for use with robotics systems and for transferring liquids with multichannel pipettors and autosampling devices that conform to 96-well microplate systems. The same alphanumeric identification is used on the cover and white base.

These racks are ideal for HTLV-III testing, bacterial and hybridoma cell uptake studies, cell harvesting, pharmaceutical quality control, receptor binding assays, RIA and EIA.

Cat. #	Description	Qty/Cs
T101-1	Rack with 96 plain individual tubes, non sterile	10
T101-2	Rack with 96 plain individual tubes, sterile	10
T101-3	Rack with 12 strips of 8 tubes, non sterile	10
T101-4	Rack with 12 strips of 8 tubes, sterile	10
T101-5	Rack with 8 strips of 12 tubes, non sterile	10
T101-6	Rack with 8 strips of 12 tubes, sterile	10

For details on tubes and strips, see page 65.

Cat. #	Description	Qty/Cs
T101-50	Storage Box only	10

CLUSTER TUBES

T105
BioTube™ Storage Rack with 2 ml Tubes

CONFORMS TO SBS STANDARDS

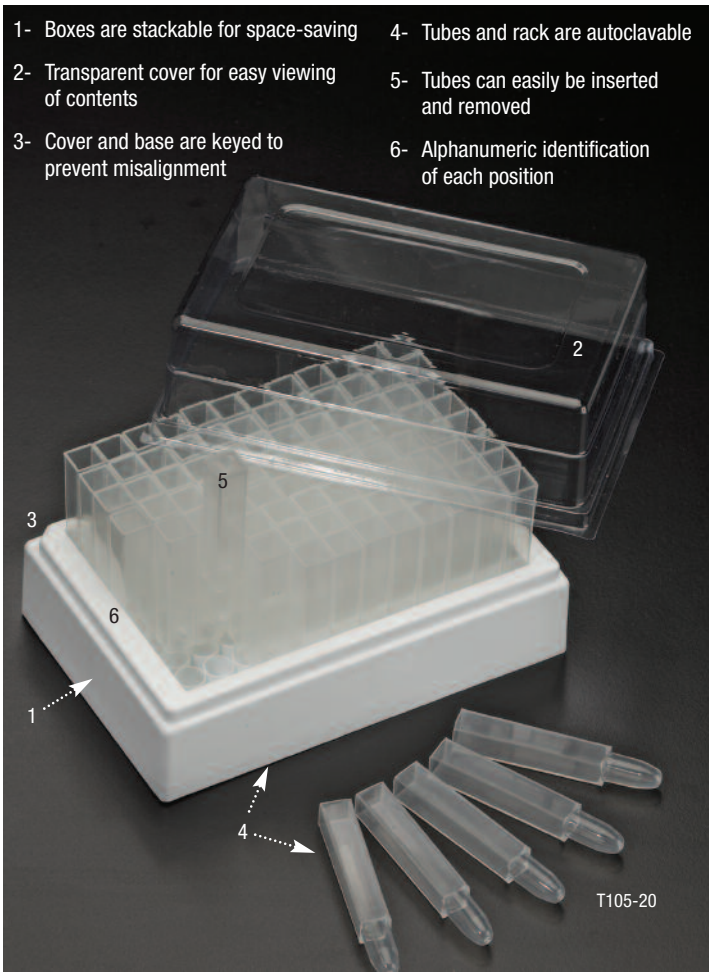
Made of polypropylene

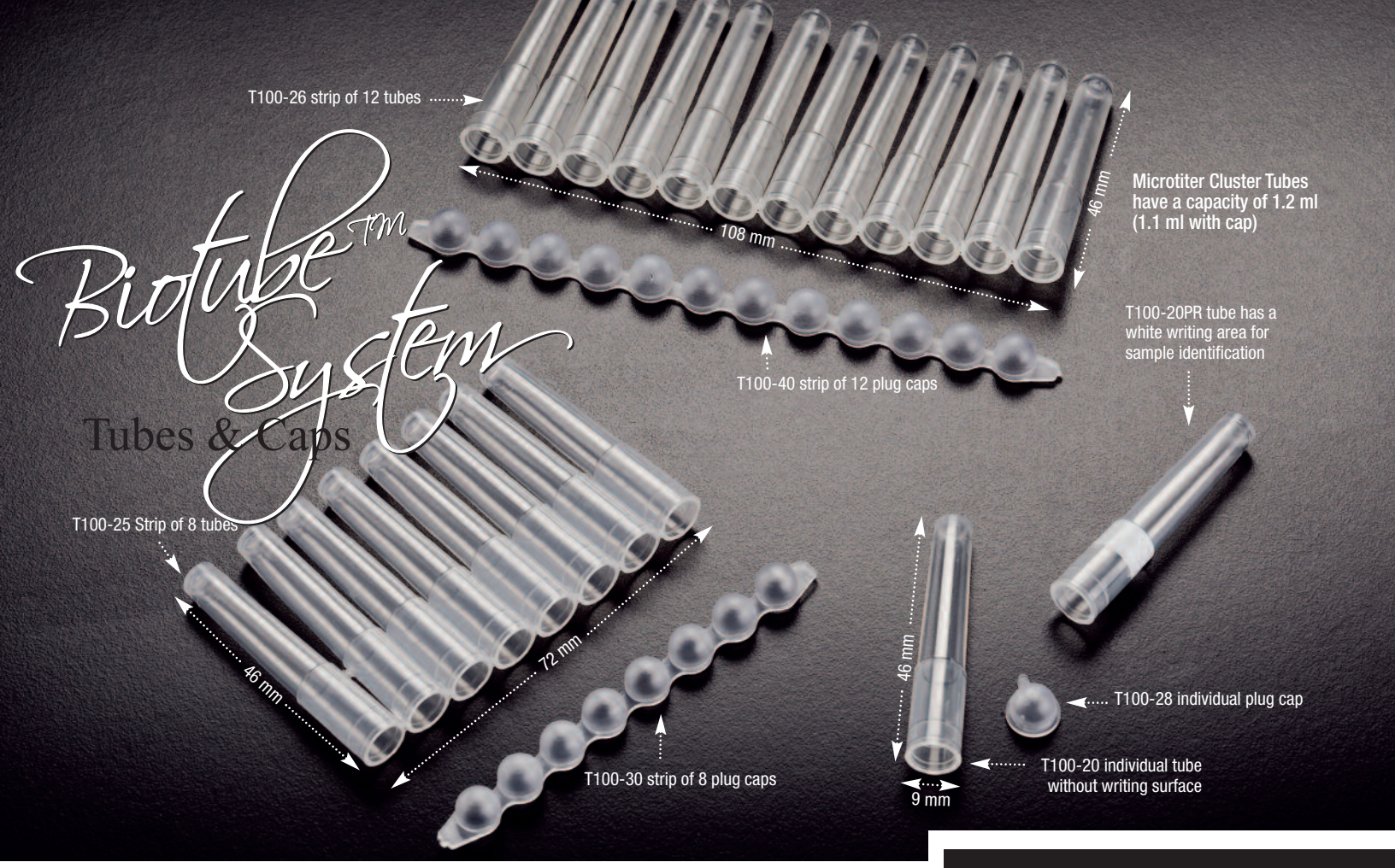
Compatible with most robotic workstations, this polypropylene storage rack can be used with most cell harvesters and leading 8- & 12-channel pipettors.

It contains 96 removable polypropylene square tubes in a 8 x 12 configuration, each having a 2.1 ml capacity (2 ml when capped). Although the tubes are square, the bottom is round to facilitate emptying. **For procedures requiring a low surface tension such as protein and nucleic acid work, Simport has developed a special tube (cat.# T105-20LST) using a type of polypropylene specifically designed to avoid potentially harmful lubricants (such as silicone) while minimizing liquid retention.**

The autoclavable rack and tubes (not the cover) are ideal for storage of blood and other biological samples at temperatures, from -170 °C. for freezer storage, up to 121 °C. Tubes are available separately. A PVC cover is also supplied for full protection of tube contents. Racks are stackable to save on storage space. Available in sterile and non sterile versions.

Cat. #	Description	Sterile	Qty/Cs
T105-50	96-well BIOTUBE™ storage rack with tubes	No	10
T105-51	96-well BIOTUBE™ storage rack with tubes	Yes	10
T105-20	2.1 ml square tubes	No	4800
T105-20LST	2.1 ml **low surface tension** square tubes	No	4800





Cluster Tubes

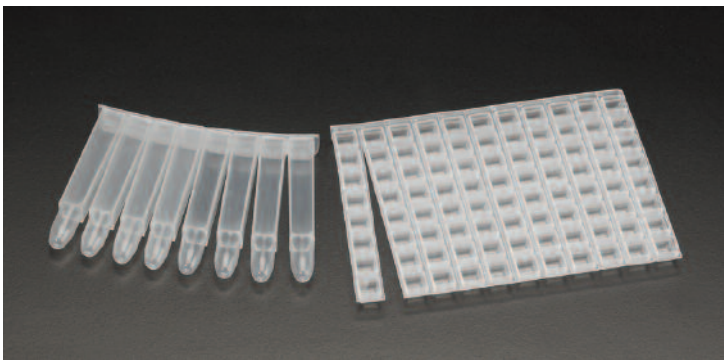
Tubes are made of autoclavable polypropylene and are available either individually or in strips of 8 or 12 detachable tubes. Tubes have a gross volume of 1.2 ml but with a cap in place, they will hold 1.1 ml.

Caps are made of polyethylene and are not autoclavable. They are available individually and also in strips of 8 or 12.

For procedures requiring low surface tension such as protein and nucleic acid work, **Simport** has developed a special tube (see T100-20LST) using a type of polypropylene specifically designed to avoid potentially harmful lubricants while minimizing liquid retention. T100-20 can be centrifuged up to 2000g.

These tubes are ideal for HTLV-III testing, bacterial and hybridoma cell uptake studies, cell harvesting, pharmaceutical quality control, receptor binding assays, RIA and EIA.

Cat. #	Description	Qty/Bag	Qty/Cs
T100-20	Individual tubes, without writing surface, non sterile, bulk	960	4800
T100-20LST	**Low surface tension** individual tubes, non sterile, bulk	960	4800
T100-20PR	Individual tubes, with writing surface, non sterile, bulk	960	4800
T100-25	Strips of 8 tubes, without writing surface, non sterile, bulk	120	600
T100-26	Strips of 12 tubes, without writing surface, non sterile, bulk	80	400
T100-28	Individual plug caps, non sterile, bulk	960	4800
T100-30	Strips of 8 plug caps, non sterile, bulk	120	600
T100-35	Strips of 8 plug caps, sterile, bulk	120	600
T100-40	Strips of 12 plug caps, non sterile, bulk	80	400



T105-26

Mat Cover for T105 Storage Rack

Made of low density polyethylene

For complete tube sealing, use the Simport Mat Cover cat.# T105-26. When only a few tubes have to be sealed, this flexible mat cover can be split easily in strips of 8 caps.

Cat. #	Description	Sterile	Qty/Cs
T105-26	Mat for T105-50 and T105-51	No	10

Bioblock™ Family

THE WIDE VARIETY YOU HAVE BEEN LOOKING FOR

These specially designed non sterile deep well plates are available in polypropylene (model T110-6 is made of polystyrene). They conform to the SBS standard footprint and are identical in size to 96-well microtiter plates. These rugged plates are compatible with all leading robotic sample processors, automated liquid handling systems and 8- & 12-channel pipettors. Will withstand temperatures up to 121°C. Polypropylene plates are fully compatible with deep freezing work, down to -196 °C. Six sizes are available.

All plates offer an alphanumeric grid to help in sample identification. To facilitate orientation, a corner of the plate is cut away. To save space on freezer shelves and on lab benches, they are easily stackable. They can also withstand centrifugation up to 6000g by using microtiter plate rotors. All models are DMSO resistant except cat.# T110-6.

Applications are endless. Designed for high-throughput screening, they are well suited for combinatorial chemistry. They are just the right size for sample storage and automated plate pipetting. Perfect for general procedures requiring a mother plate, DNA sequencing, ELISA, cell and tissue culture applications etc...

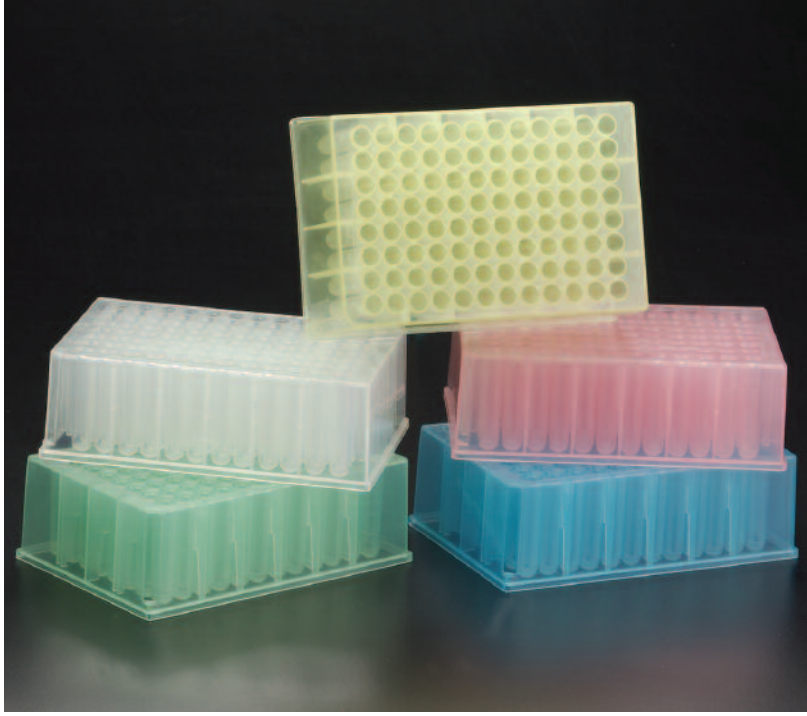
T110-5
BioBlock™ Deep Well Plates

Made of polypropylene or polystyrene (T110-6)

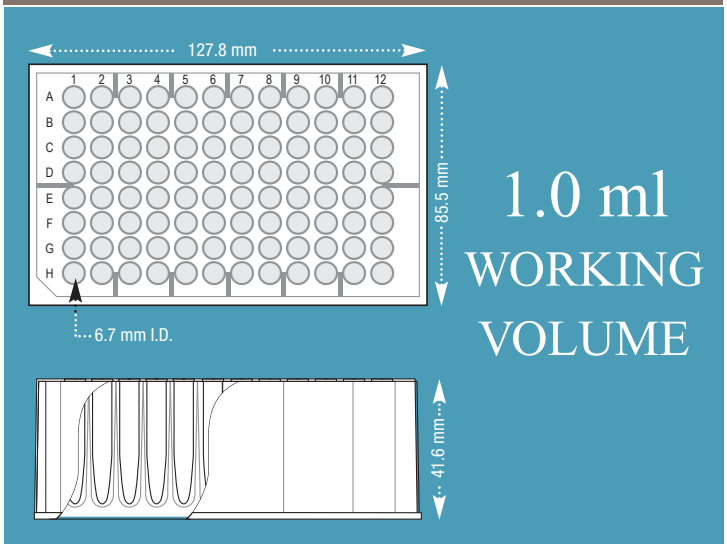
The 1.2 ml capacity round bottom deep well plate (1 ml when capped) **(Series T110-5 made of polypropylene)** is easy to empty completely and ideal for culturing bacterial cells. The polypropylene version can withstand centrifugation up to 6000g by using microtiter plate rotors. It is available in natural and four different colors. DMSO resistant.

Cat. #	Description	Color	Qty/Cs
T110-5	Plate, 1.2 ml	Natural	24
T110-5B*	Plate, 1.2 ml	Blue	24
T110-5G*	Plate, 1.2 ml	Green	24
T110-5P*	Plate, 1.2 ml	Pink	24
T110-5Y*	Plate, 1.2 ml	Yellow	24

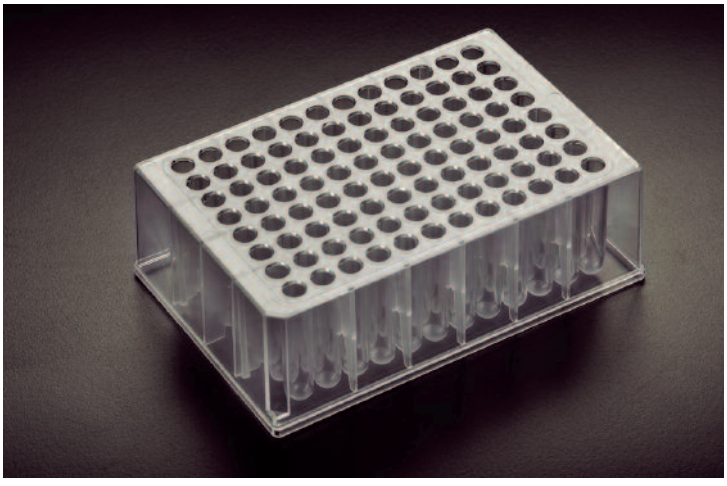
* Minimum quantity applicable. Please contact one of our customer service agents for further details.



96 Wells with Round Bottom



Deep Well Plates



T110-6
BioBlock™ Deep Well Plates

Made of polystyrene

The **T110-6 is made of polystyrene** and also has 96x 1.2 ml capacity round bottom wells. It can withstand 3000g and is available in natural color only. **Not DMSO resistant**. Packed in bags of 4 plates.

Cat. #	Description	Color	Qty/Cs
T110-6	Plate, 1.2 ml	Natural	24

T110-2 & -3

BioBlock™ Deep Well Plates with 600 µl 8-Tube Strips

CONFORMS TO SBS STANDARDS

Made of polypropylene

These plates feature 600 µl wells for smaller volume applications. They include a T110-5 deep well plate along with twelve T110-15 8-tube strips (see below).

In the T110-2 model, tube strips are removable and can also be ordered separately.

In the T110-3 model, tube strips are welded by ultrasound.

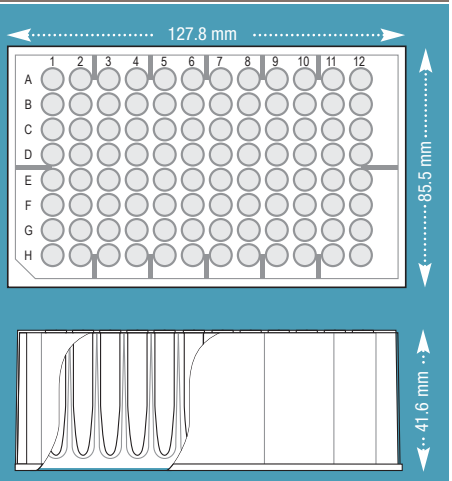
DMSO resistant. Packed in bags of 4 plates.

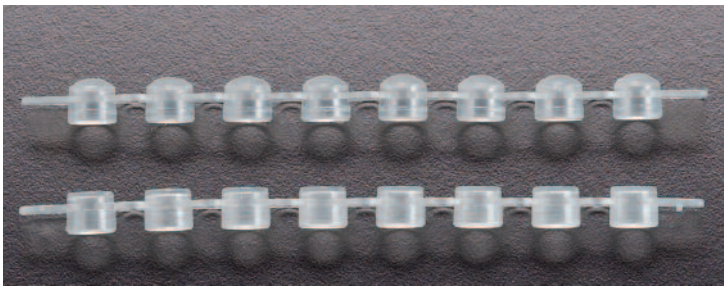
Cat. #	Description	Qty/Cs
T110-2	Plate, 600 µl (removable tube strips)	24
T110-3	Plate, 600 µl (fixed tube strips)	24

Deep Well Plates

96 Wells with Conical Bottom

600 µl WORKING VOLUME





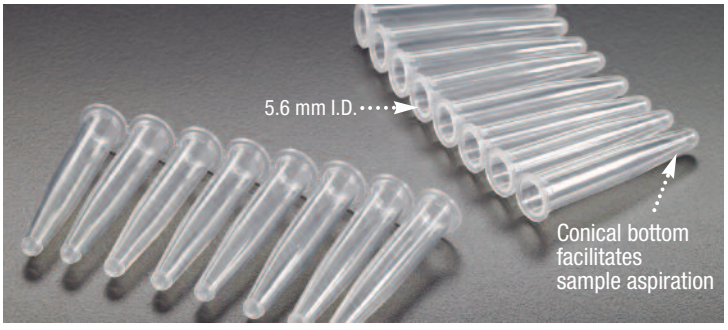
T321-1 & -2

Domed and Flat Cap Strips

Made of polypropylene

For a perfect seal, 8-cap strips are available.

Cat. #	Description	Color	Qty/Cs
T321-1N	Domed cap strip	Natural	125
T321-2N	Flat cap strip	Natural	125



T110-15

Strip of 8 Tubes 600 µl

Made of polypropylene

Cat. #	Description	Qty/Cs
T110-15	Strip of 8 tubes, 600 µl	600

T110-10
BioBlock™ Deep Well Plates

Made of polypropylene

The 2.2 ml well capacity (2.1 ml when capped) plate is used mainly for compound storage and enzyme assays. Approved to be used with Qiagen equipment. It is available in natural and four different colors.

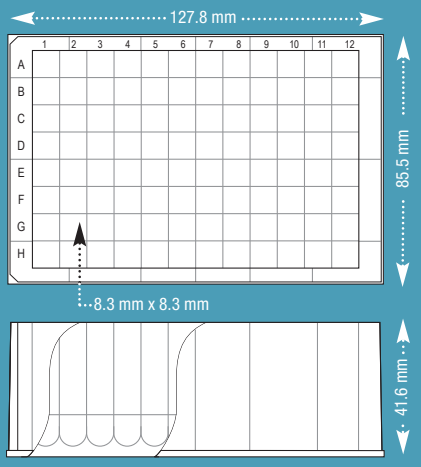
DMSO resistant. Packed in a bag of 4 plates.

Cat. #	Description	Color	Qty/Cs
T110-10	Plate, 2.1 ml	Natural	24
T110-10B*	Plate, 2.1 ml	Blue	24
T110-10G*	Plate, 2.1 ml	Green	24
T110-10P*	Plate, 2.1 ml	Pink	24
T110-10Y*	Plate, 2.1 ml	Yellow	24

* Minimum quantity applicable. Please contact one of our customer service agents for further details.

96 Square Wells with Round Bottom

2.0 ml
WORKING
VOLUME



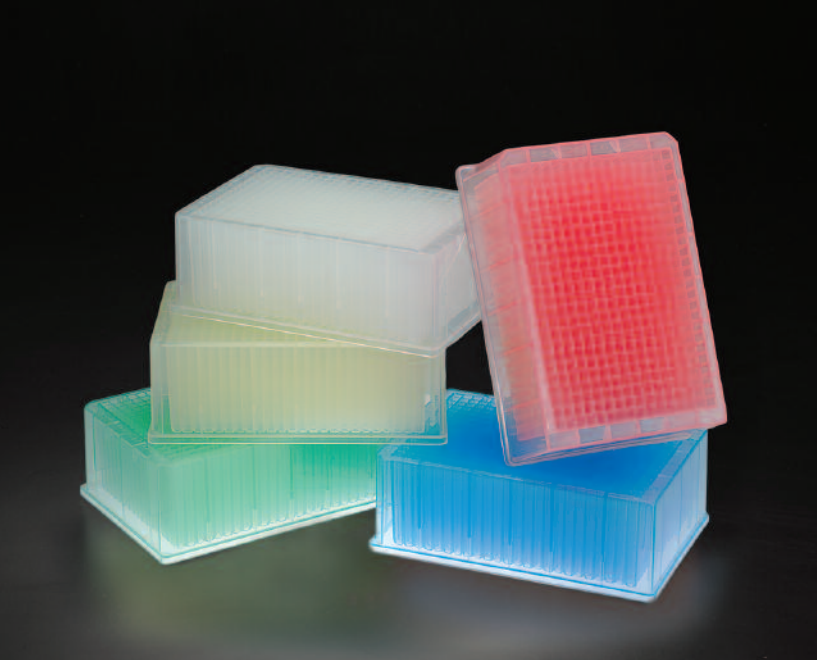
DEEP WELL PLATES

A picture is worth a thousand words. A sample, a thousand pictures...

You might look at a picture and read the words under it a thousand times, nothing beats having the product in your own hands for evaluation.

Simport is proud to offer you the most comprehensive sample program ever developed in the industry. Just for the asking, you can get free of charge a sample of any Simport product along with a specially designed card describing all the features, benefits and ordering information.

Our Customer Service Specialists are anxiously awaiting your call... (450) 464-1723

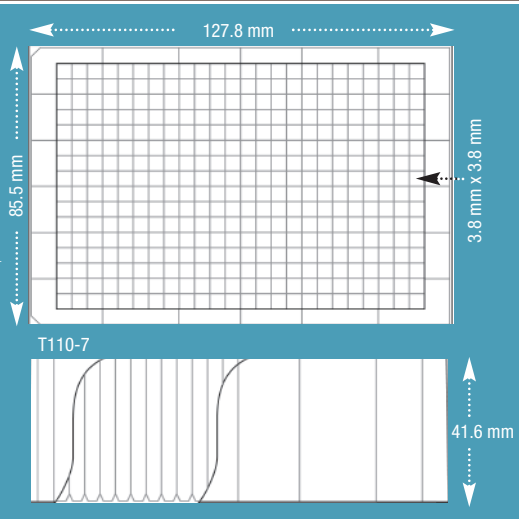


T110-7, -100 & -200
BioBlock™ Deep Well Plates

CONFORMS TO SBS STANDARDS

384 Square Wells with Round Bottom

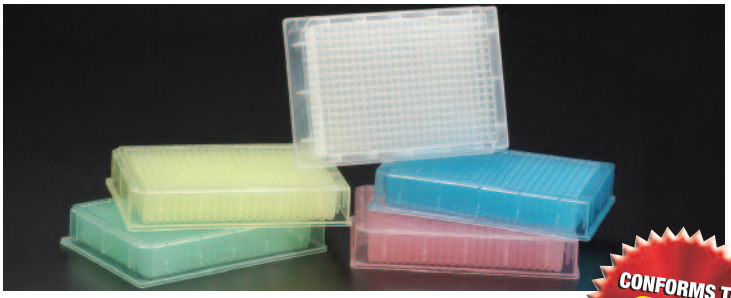
400 µl WORKING VOLUME



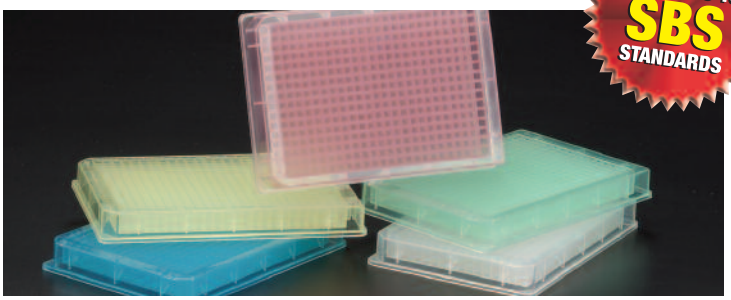
Made of polypropylene

This 384-well plate is available in 3 models from a working volume of 120 µl to 400 µl. It is perfect for compound storage and handling of biological samples. Well bottom is round (except for T110-100) to facilitate aspiration. Suitable to be used with DMSO and biological buffers. Packed in a bag of 4 plates.

Deep Well Plates

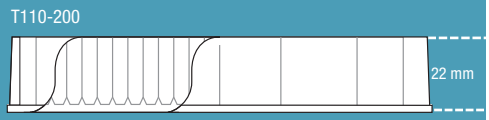


CONFORMS TO SBS STANDARDS



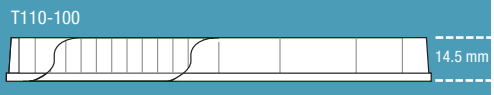
384 Square Wells with Round Bottom

200 µl WORKING VOLUME



384 Square Wells with Flat Bottom

120 µl WORKING VOLUME



Cat. #	Description	Color	Qty/Cs
T110-7	Plate 400 µl	Natural	24
T110-7B*	Plate 400 µl	Blue	24
T110-7G*	Plate 400 µl	Green	24
T110-7P*	Plate 400 µl	Pink	24
T110-7Y*	Plate 400 µl	Yellow	24
T110-100	Plate 120 µl	Natural	24
T110-100B*	Plate 120 µl	Blue	24
T110-100G*	Plate 120 µl	Green	24

Cat. #	Description	Color	Qty/Cs
T110-100P*	Plate 120 µl	Pink	24
T110-100Y*	Plate 120 µl	Yellow	24
T110-200	Plate 200 µl	Natural	24
T110-200B*	Plate 200 µl	Blue	24
T110-200G*	Plate 200 µl	Green	24
T110-200P*	Plate 200 µl	Pink	24
T110-200Y*	Plate 200 µl	Yellow	24

*Minimum quantity applicable. Please contact one of our customer service agents for further details.

T110-25, -26, -27 & -37

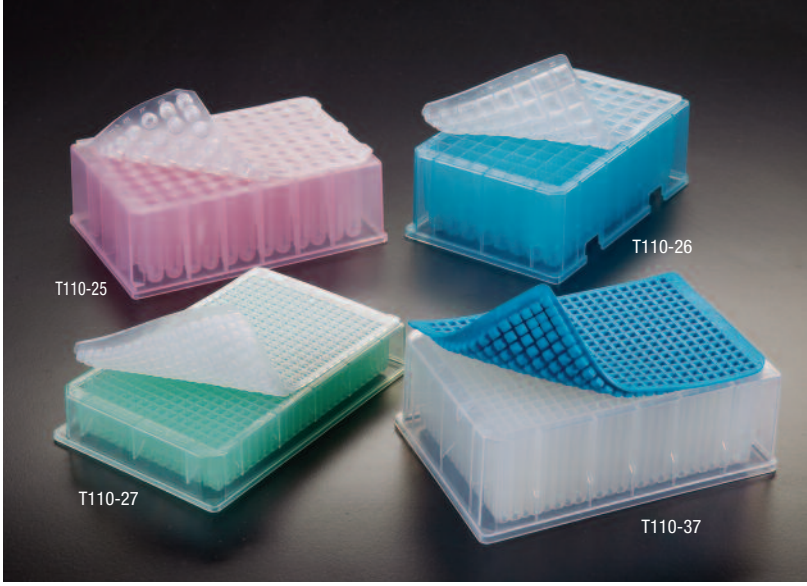
Mat Covers for Deep Well Plates

Designed to fit the **Simport** Bioblock™ Family, these mat covers are made of a specially formulated plastic ensuring great flexibility. They allow for maximum sample volume in each well. They are resistant to DMSO and biological buffers.

T110-25, T110-26 and T110-27 are made of polyolefin and Elastomer. They should be used within a temperature range of -80 °C to +80 °C.

The T110-37 is made of thermoplastic rubber and will resist temperatures from -170 °C to +121 °C. Only the T110-37 is autoclavable.

Cat. #	Description	Qty/Pk
T110-25	For 1.2 ml 96-well plates	24
T110-26	For 2.1 ml 96-well plates	24
T110-27	For 120 µl to 400 µl 384-well plates	24
T110-37	For 120 µl to 400 µl 384-well plates	24



T329-3 & -4

SecureSeal™ Adhesive Film for Microplates

Simport adhesive sealing films reduce sample-to-sample or well-to-well contamination and/or spill over. SecureSeal™ is economically priced and has the differential advantage of perforated end tabs and a multiple split backing which allow for easier and more accurate positioning and more secure sealing. The polyester based film with acrylic adhesive is inert and thus compatible with almost all microplate procedures. The functional temperature range of the product is -70 °C to +100 °C. SecureSeal™ is less than .001% moisture permeable under high humidity conditions and less than .01% oxygen permeable. DMSO resistant. Each package contains 100 sheets. Use T329-9 Amplate™ Roller for a perfect seal.

Cat. #	Description	Sterile	Qty/Pk	Qty/Cs
T329-3	SecureSeal™	No	100	1000
T329-4	SecureSeal™	Yes	100	1000

DEEP WELL PLATES

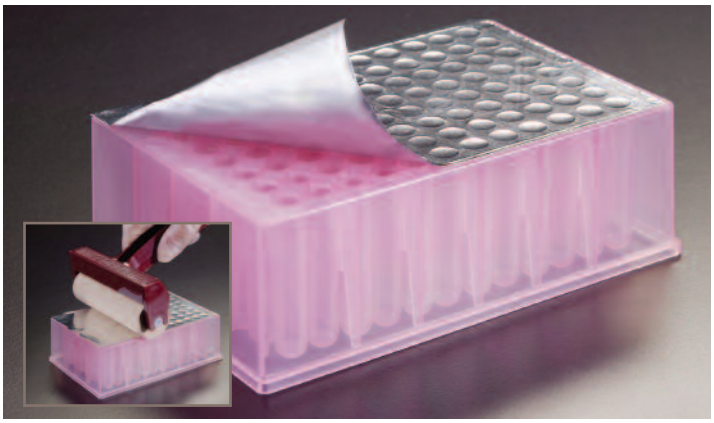
T329-5

SecureSeal™ Aluminium Sealing Foil

This type of material is ideal for manual sealing during PCR work and also for high throughput applications. Adhesive backing makes it easy to apply. Will resist temperatures from -86 °C to +130 °C. Pierceable with a pipet tip for easy access to sample. DMSO resistant.

It is recommended to use the Amplate™ Roller (T329-9) for ensuring a perfect bond, eliminating the danger of evaporation. No heat sealer needed.

Cat. #	Description	Qty/Pk
T329-5	Peeling foil	100 sheets



T329-9

AMPLATE™ Roller

For ensuring a perfect seal when using either SecureSeal™ sealing film or aluminum foil on microtiter or deep well plates. Roller made of medium hard rubber. Heavy-duty handle with comfort grip reducing fatigue. Will last a long time.

Cat. #	Size	Qty/Pk
T329-9	10.16 cm (4 in.)	1

Cryovial® Family

The Simport Cryovial® Family is the most complete line of cryogenic vials available today. Designed for storing cells, blood, serum and other biological fluids at temperatures as low as -196 °C, these sturdy polypropylene vials offer a high level of chemical resistance.

As described in the following pages, they are available in 3 different configurations and in 5 sizes from 1.2 ml to 5 ml. A large white marking area and printed graduations facilitate sample identification. Some models are free-standing while some others have only a round bottom. Self-standing vials have a locking base allowing opening and closing with only one hand while vials are used with the Simport Workstation.

One important feature in the Simport Cryovial® design is being able to manufacture both the tube and cap from the same plastic, ensuring the same expansion coefficient, therefore a lasting seal.*

* The Cryolock vial has a polyethylene cap.

WARNING: Do not use Cryovials for storage in the liquid phase of liquid nitrogen. Such use may cause entrapment of liquefied nitrogen inside the vial and lead to pressure build-up resulting in possible explosion or biohazard release. Use appropriate safety procedures when handling and disposing of vials.

T310TP
CRYOLOCK™ Tamper Evident Cryogenic Vial with Silicone Washer Seal

Tube made of polypropylene / Cap made of polyethylene

Recognizing the special needs of the laboratory scientist in the area of Cryogenics, Simport has developed a unique Cryovial®, initiating the beginning of a new era in sample protection.

The unique Simport CryoLock™ Tamper Evident Cryogenic Vial incorporates a seal that needs to be broken in order to open it, which leaves an obvious visual indication that the vial has been opened.

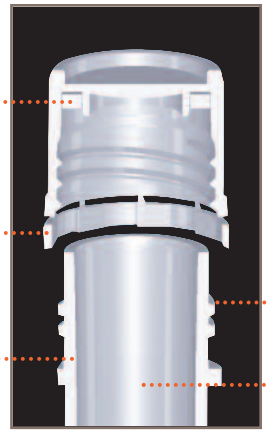
The ease of operation is due in part to the closure's unique frangible band design. This produces a combination tamper-evident resistant closure system that provides benefits of safety and peace of mind.

Designed for storing biological material, human or animal cells, at temperatures as low as -196º C (but should be used only in the gas phase of liquid nitrogen). The cap features a long skirt for one hand aseptic methods, a super fast thread design that allows tightening or removal with a mere 1¼ turn, and an inside thread design that will not contribute to possible contamination. But this tamper evident cap also features an exclusive silicone seal as well as a specially designed lip fitted inside of the cap to ensure a positive seal at any temperature, even the lowest of cryogenic temperatures.

Tubes are provided with a white marking area for sample identification and can be color coded by using a Capinsert™ (T345).

The Simport CryoLock™ Tamper Evident Cryovial® is compatible with most storage systems. Self-standing vials are sterilized by gamma radiation and are packaged in unique tamperproof, resealable, safety-lock bags of 100.

Certified RNase-, DNase-, Pyrogen- and DNA-free



Available with specially designed economical silicone washer for a more secure and positive leakproof seal

Innovative tamper evident locking ring for better protection of contents

Thick wall makes tube almost unbreakable

Super fast 1¼ turn thread design

Excellent clarity makes sample easy to see

When unscrewing the cap, the tamper evident locking ring is detached and freed from closure

CRYOGENIC VIALS

CE

Cat. #	T310-1ATP	T310-2ATP	T310-5ATP
Volume (ml)	1.2	2	5
Size (mm)	11.8 x 35.1	11.8 x 44.3	11.8 x 82
Self-Standing	•	•	•
Qty/Bag	100	100	100
Qty/Cs	1000	1000	1000

T345
Color Coding CAPINSERT™

Made of polypropylene

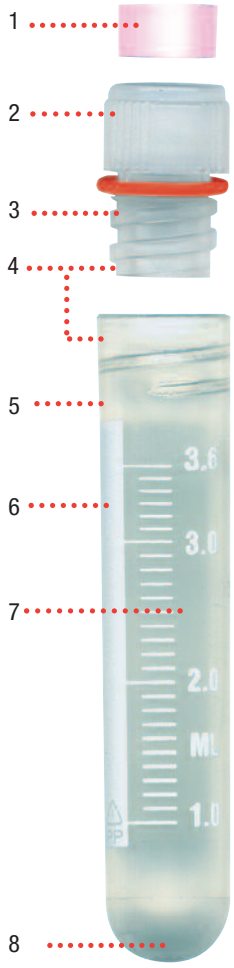
T345 CapInserts™ are available for a multitude of Simport products. For more details and colors available please refer to page 111.

T301
CRYOVIAL®
With Silicone O-ring Seal

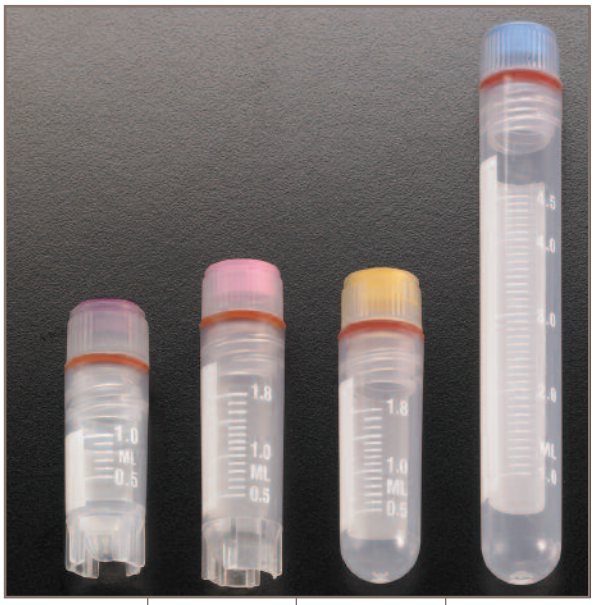
Specially formulated polypropylene

Designed for safe storage at temperatures as low as -196 °C **(but should be used only in the gas phase of liquid nitrogen)**. Only 1 1/4 turn of the cap is sufficient to screw the cap on the vial. The specially formulated silicone o-ring ensures a positive leakproof seal at all temperatures. Closure and vial are both made of polypropylene having the same coefficient of expansion, ensuring an equally secure seal both at room temperature and at low cryogenic temperatures. Tubes have a white marking area, can be color coded with a CAPINSERT (Series T312) and are compatible with most storage systems. Only the non skirted vials can be centrifuged, and up to 17,000g. Sterilized by gamma radiation and packaged in unique tamperproof, resealable, safety-lock bags of 100. Autoclavable.

Certified RNase-, DNase-, Pyrogen- and DNA-free



Cryogenic Vials



CE

Cat. #	T301-1	T301-2	T301-3	T301-5
Volume (ml)	1.2	2	2	5
Size (mm)	12.5 x 41	12.5 x 49	12.5 x 48	12.5 x 90
Self-Standing	•	•		
Round Bottom			•	•
Qty/Bag	100	100	100	100
Qty/Cs	1000	1000	1000	1000

1- A CAPINSERT™ is available in 11 different colors / Perfect for color coding (See T312 Series on page 82)

2- Vertical ribs facilitate cap removal

3- Super fast 1 1/4 turn thread design

4- Both cap and tube are made of same polypropylene material, therefore same coefficient of expansion ensures secure seal at all temperatures

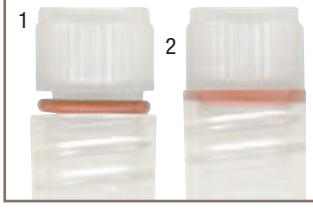
5- Thick wall makes vial almost unbreakable

6- Large white marking area

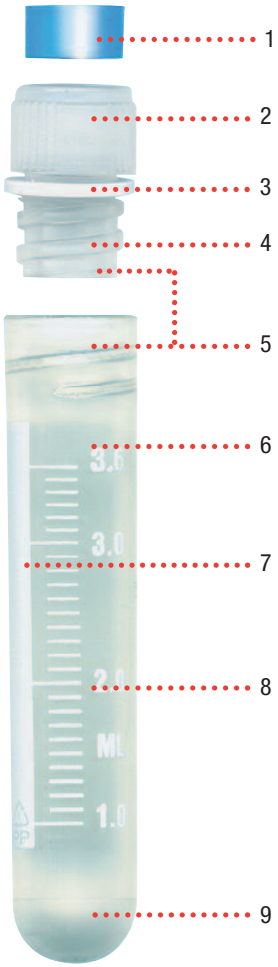
7- Excellent clarity makes sample easy to see

8- Round bottom / Very easy to empty contents completely / Two sizes are self-standing with universal locking base

Feel the quality of your seal!



1. A positive leakproof seal is enhanced by a specially designed silicone o-ring around the cap
2. As you tighten it, you can feel the quality of your seal while you compress the o-ring between the tube wall and the cap, creating a tight closure



T311
CRYOVIAL®
With Silicone Washer Seal

Specially formulated polypropylene

Designed for storing biological material, human or animal cells, at temperatures as low as -196 °C **(but should be used only in the gas phase of liquid nitrogen)**. A silicone washer between cap and vial ensures a positive leakproof seal at all temperatures. A 1 ¼ turn of the cap is sufficient to seal the vial. Closure and vials are both manufactured of polypropylene with the same coefficient of expansion, ensuring an equally secure seal both at room temperature and at low cryogenic temperatures. Tubes have a white marking area, can be color coded with a CAPINSERT™ (Series T312) and are compatible with most storage systems. Only the round bottom vials can be centrifuged, and up to 17,000g. Sterilized by gamma radiation and packaged in unique tamperproof, resealable, safety-lock bags of 100. Autoclavable.

Certified RNase-, DNase-, Pyrogen- and DNA-free

CRYOGENIC VIALS

1- A CAPINSERT™ is available in 11 different colors / Perfect for color coding (See T312 Series on page 82)

2- Vertical ribs facilitate cap removal

3- Silicone washer

4- Super fast 1 ¼ turn thread design

5- Both cap and tube are made of same polypropylene material, therefore same coefficient of expansion ensures secure seal at all temperatures*

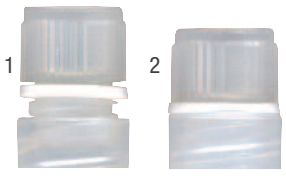
6- Thick wall makes vial almost unbreakable

7- Large white marking area

8- Excellent clarity makes sample easy to see

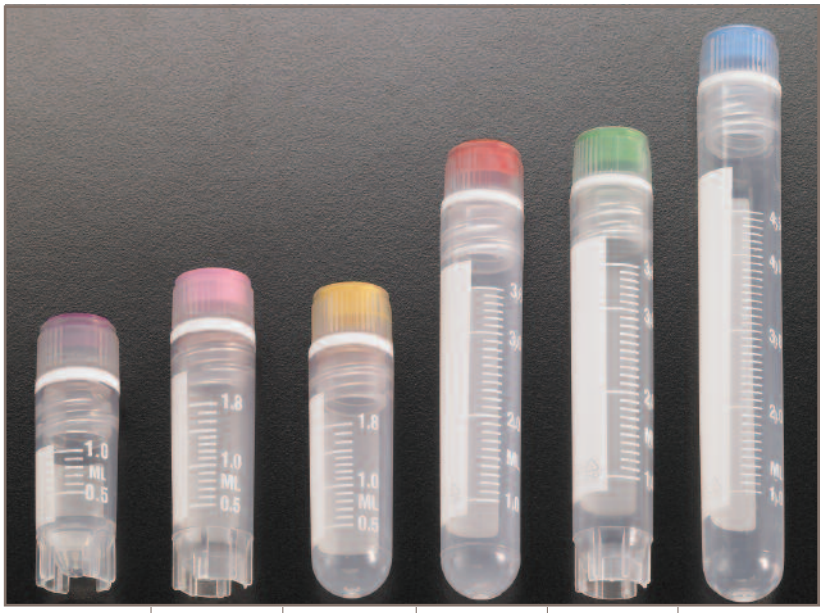
9- Round bottom / Very easy to empty contents completely

*T310-10A has a polyethylene cap



1. This cap offers a positive seal using a white silicone washer

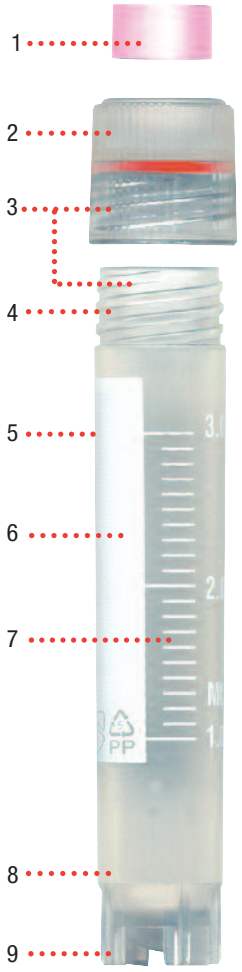
2. When the cap is screwed on, the white washer is tightly secured between cap and top of tube



CE

Cat. #	T311-1	T311-2	T311-3	T311-4	T311-4A	T311-5
Volume (ml)	1.2	2	2	4	4	5
Size (mm)	12.5 x 41	12.5 x 49	12.5 x 48	12.5 x 70	12.5 x 72	12.5 x 90
Self-Standing	•	•			•	
Round Bottom			•	•		•
Qty/Bag	100	100	100	100	100	100
Qty/Cs	1000	1000	1000	1000	1000	1000

T308
CRYOVIAL®
With Lip Seal Design and Silicone Washer Seal

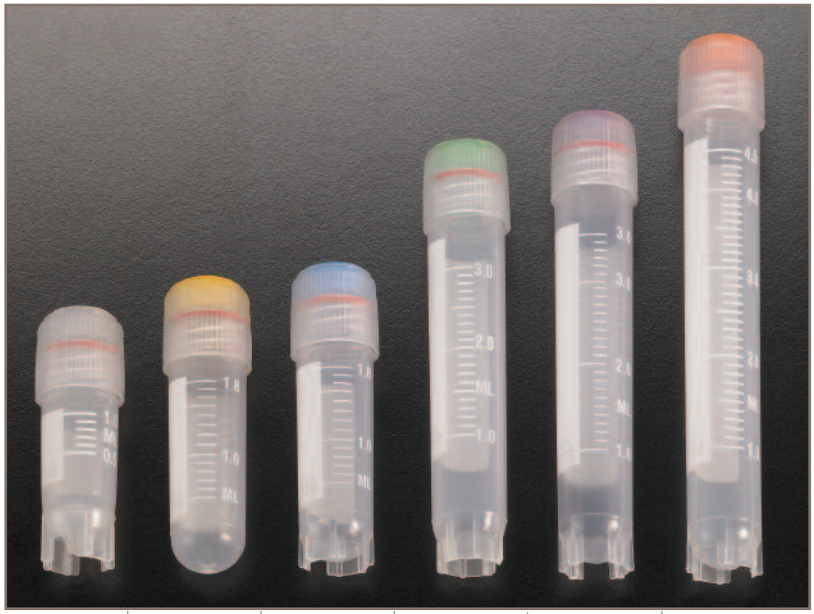


Made of specially formulated polypropylene

Designed for the storage of biological material, human or animal cells, at temperatures as low as -196 °C **(but should be used only in the gas phase of liquid nitrogen)**. The cap features a long skirt for easy one-handed aseptic technique, a super fast thread design allowing removal with only 1¼ turn, and an inside thread design that will not contribute to possible contamination. This cap also features an exclusive silicone washer fitted inside the cap to ensure a positive seal at any temperature, even the lowest of cryogenic temperatures. The tubes are provided with a white marking area for sample identification and can be color coded by the use of a CAPINSERT™ (Series T312 for choice of available colors). T308-2 can be centrifuged up to 17,000g. Vials are sterilized by gamma radiation and are packaged in unique tamperproof, resealable safety-lock bags of 100. Autoclavable

Certified RNase-, DNase-, Pyrogen- and DNA-free

Cryogenic Vials



CE

1- A CAPINSERT™ is available in 11 different colors / Perfect for color coding (See T312 Series on page 82)

2- Vertical ribs facilitate cap removal

3- Both cap and tube are made of same polypropylene material, therefore same coefficient of expansion ensures secure seal at all temperatures

4- Super fast 1 ¼ turn thread design

5- Thick wall makes vial almost unbreakable

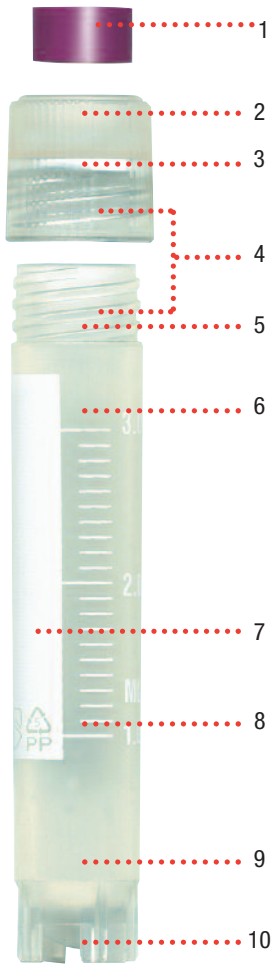
6- Large white marking area

7- Excellent clarity makes sample easy to see

8- Round bottom / Very easy to empty contents completely

9- Many sizes available as self-standing with universal locking base

	T308-1A	T308-2	T308-2A	T308-3A	T308-4A	T308-5A
Volume (ml)	1.2	2	2	3	4	5
Size (mm)	12.5 x 42	12.5 x 47	12.5 x 49	12.5 x 71	12.5 x 77	12.5 x 91
Self-Standing	•		•	•	•	•
Round Bottom		•				
Qty/Bag	100	100	100	100	100	100
Qty/Cs	1000	1000	1000	1000	1000	1000



T310

CRYOVIAL®
With Silicone Washer Seal

Made of specially formulated polypropylene

Designed for storing biological material, human or animal cells, at temperatures as low as -196 °C **(but should be used only in the gas phase of liquid nitrogen)**. The cap features a long skirt for easy one hand aseptic methods, the same super fast thread design allowing it to be removed or sealed with a mere 1¼ turn, and the same inside thread design that will not contribute to possible contamination. But this cap also features an exclusive silicone seal fitted inside the cap to ensure a positive seal at any temperature, even the lowest of cryogenic temperatures. Tubes are provided with a white marking area for sample identification and can be color coded by the use of a CAPINSERT™ (Series T312). The Simport CRYOVIAL® is compatible with most storage systems. T310-2 can be centrifuged up to 17,000g. Vials are sterilized by gamma radiation and are packaged in unique tamperproof, resealable, safety-lock bags of 100. Autoclavable.

Certified RNase-, DNase-, Pyrogen- and DNA-free

CRYOGENIC VIALS

1- A CAPINSERT™ is available in 11 different colors / Perfect for color coding (See T312 Series on page 82)

2- Vertical ribs facilitate cap removal

3- Silicone washe

4- Both cap and tube are made of same polypropylene material, therefore same coefficient of expansion ensures secure seal at all temperatures

5- Super fast 1 ¼ turn thread design

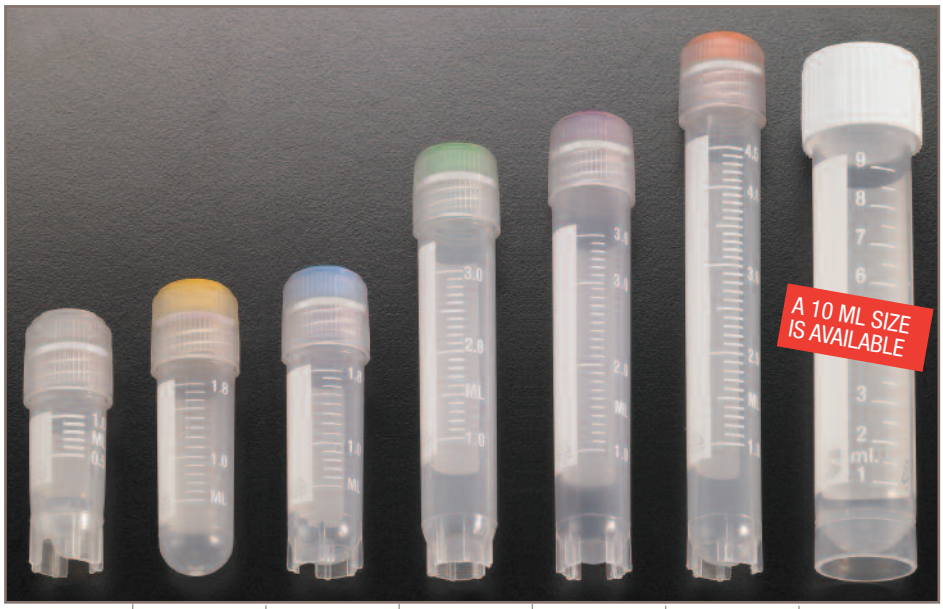
6- Thick wall makes vial almost unbreakable

7- Large white marking area

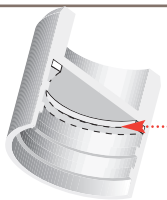
8- Excellent clarity makes sample easy to see

9- Round bottom / Very easy to empty contents completely

10- Many sizes available as self-standing with universal locking base



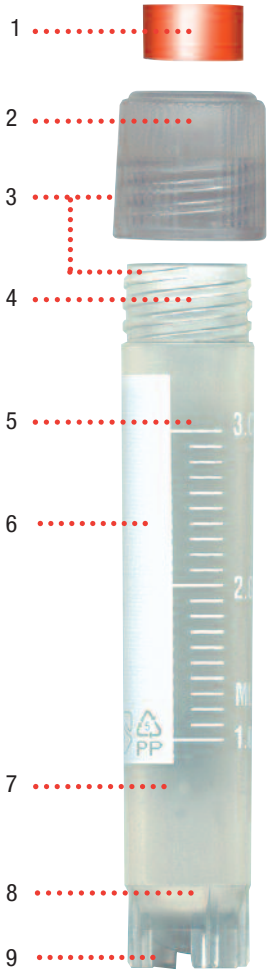
CE



Specially designed silicone washer ensures a leakproof seal

	T310-1A	T310-2	T310-2A	T310-3A	T310-4A	T310-5A	T310-10A
Volume (ml)	1.2	2	2	3	4	5	10
Size (mm)	12.5 x 42	12.5 x 47	12.5 x 49	12.5 x 71	12.5 x 77	12.5 x 91	17 x 84
Self-Standing	•		•	•	•	•	•
Round Bottom		•					
Qty/Bag	100	100	100	100	100	100	50
Qty/Cs	1000	1000	1000	1000	1000	1000	500

T309
CRYOVIAL®
With Lip Seal Design

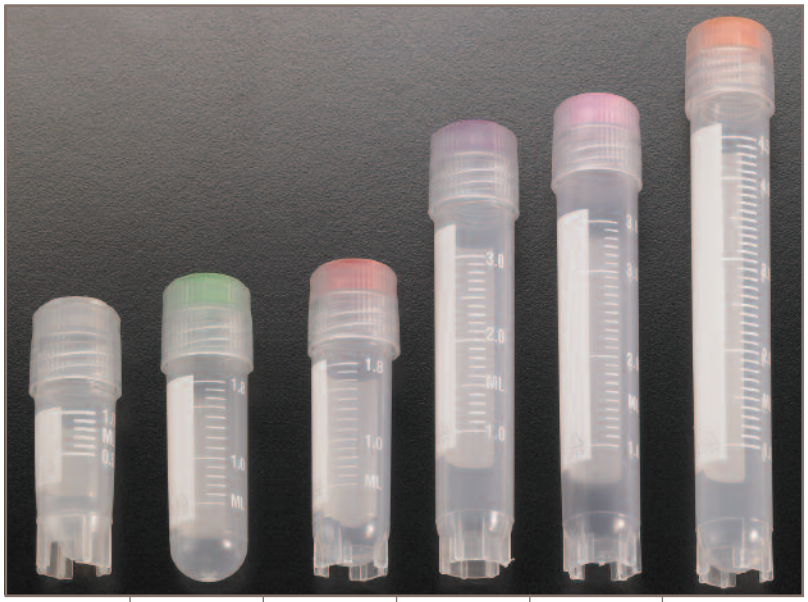


Made of specially formulated polypropylene

Designed for storing biological material, human or animal cells, at temperatures as low as -196 °C **(but should be used only in the gas phase of liquid nitrogen)**. The cap features a long skirt for one hand aseptic methods, and a super fast thread design that allows tightening or removal with a mere 1 1/4 turn, and an inside thread design that will not contribute to possible contamination. A specially designed lip inside the cap ensures a leakproof seal even at very low temperatures. Closures and tubes are both made of polypropylene having the same coefficient of expansion, which further enhances the leakproof qualities of these vials at various temperatures. Tubes are provided with a white marking area for sample identification and can be color coded by the use of a CAPINSERT™ (Series T312). T309-2 can be centrifuged up to 17,000g. Vials are sterilized by gamma radiation and are packaged in unique tamperproof, resealable, safety-lock bags of 100. Autoclavable

Certified RNase-, DNase-, Pyrogen- and DNA-free.

Cryogenic Vials



CE

	T309-1A	T309-2	T309-2A	T309-3A	T309-4A	T309-5A
Volume (ml)	1.2	2	2	3	4	5
Size (mm)	12.5 x 42	12.5 x 47	12.5 x 49	12.5 x 71	12.5 x 77	12.5 x 91
Self-Standing	•		•	•	•	•
Round Bottom		•				
Qty/Bag	100	100	100	100	100	100
Qty/Cs	1000	1000	1000	1000	1000	1000

1- A CAPINSERT™ is available in 11 different colors / Perfect for color coding (See T312 Series on page 82)

2- Vertical ribs facilitate cap removal

3- Both cap and tube are made of same polypropylene material, therefore same coefficient of expansion ensures secure seal at all temperatures

4- Super fast 1 1/4 turn thread design

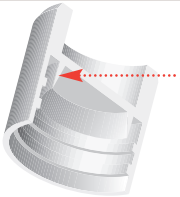
5- Thick wall makes vial almost unbreakable

6- Large white marking area

7- Excellent clarity makes sample easy to see

8- Round bottom / Very easy to empty contents completely

9- Many sizes available as self-standing with universal locking base



Specially designed polypropylene inner lip ensures a leakproof seal

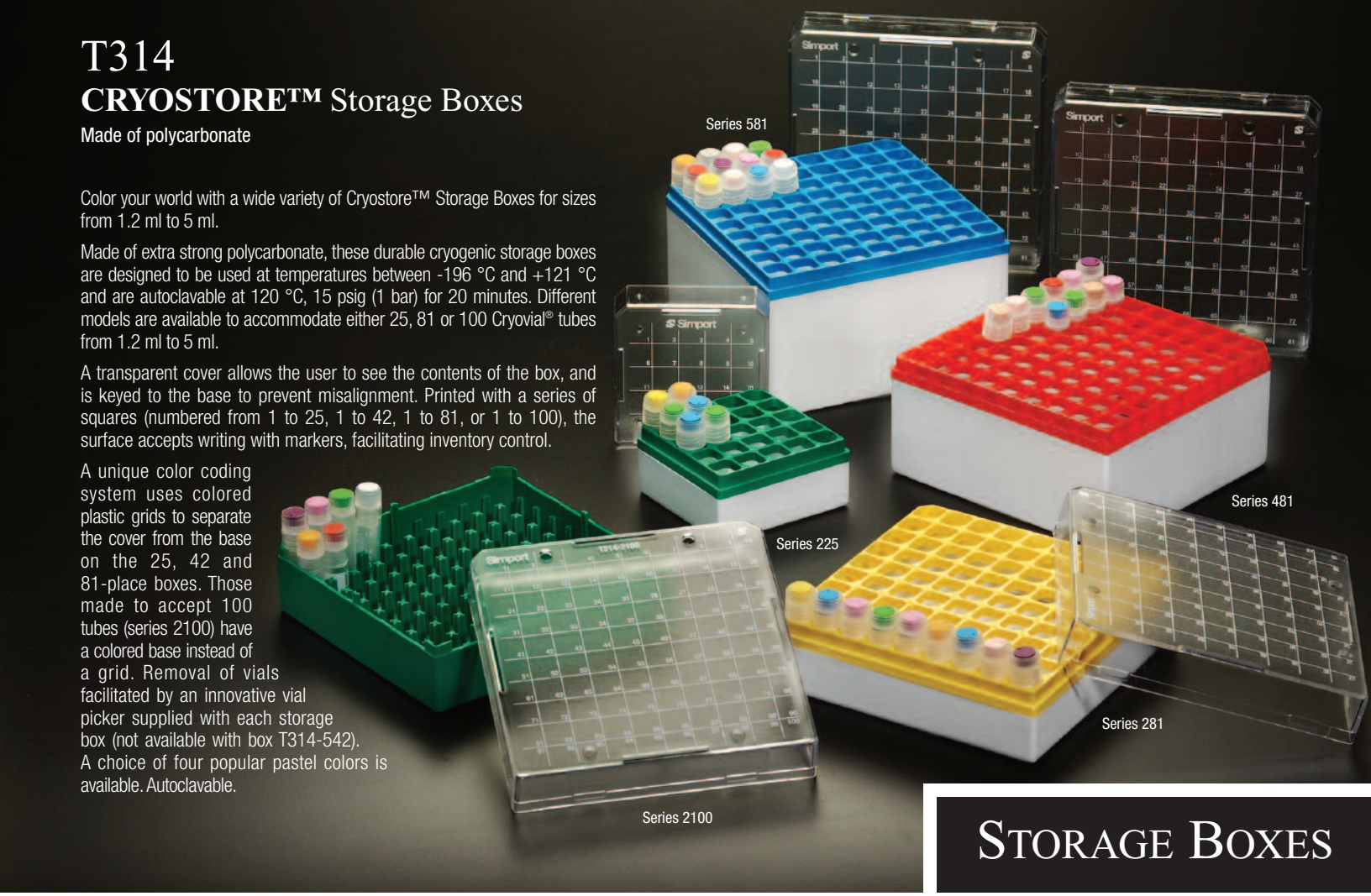
T314
CRYOSTORE™ Storage Boxes
Made of polycarbonate

Color your world with a wide variety of Cryostore™ Storage Boxes for sizes from 1.2 ml to 5 ml.

Made of extra strong polycarbonate, these durable cryogenic storage boxes are designed to be used at temperatures between -196 °C and +121 °C and are autoclavable at 120 °C, 15 psig (1 bar) for 20 minutes. Different models are available to accommodate either 25, 81 or 100 Cryovial® tubes from 1.2 ml to 5 ml.

A transparent cover allows the user to see the contents of the box, and is keyed to the base to prevent misalignment. Printed with a series of squares (numbered from 1 to 25, 1 to 42, 1 to 81, or 1 to 100), the surface accepts writing with markers, facilitating inventory control.

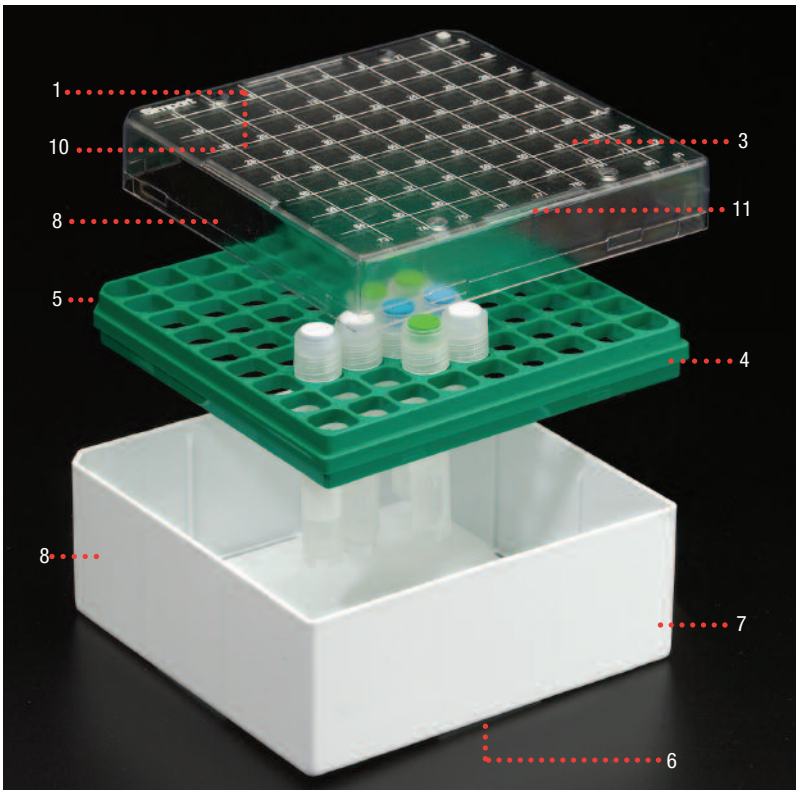
A unique color coding system uses colored plastic grids to separate the cover from the base on the 25, 42 and 81-place boxes. Those made to accept 100 tubes (series 2100) have a colored base instead of a grid. Removal of vials facilitated by an innovative vial picker supplied with each storage box (not available with box T314-542). A choice of four popular pastel colors is available. Autoclavable.

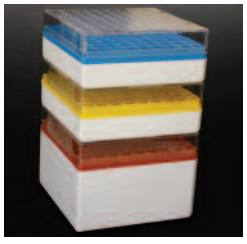


STORAGE BOXES

Features and benefits of 25- and 81-Place CRYOSTORE™ Storage Boxes

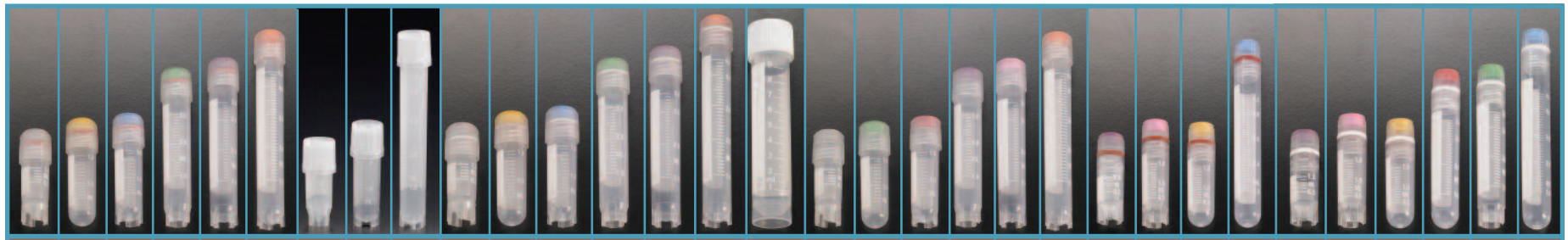
1- Writing surface has numbered squares for easy sample identification
2- Stackable
3- Vials readily visible through transparent cover
4- Four colors available for better color-coding
5- Cover and base are keyed to prevent misalignment
6- Drain holes under base
7- Made to fit freezer metal racks
8- Writing surface for identifying base and/or cover
9- Autoclavable at 120 °C, 15 psig (1 bar) for 20 min.
10- Numeric identification of each vial
11- Air vents minimizing condensation





ALL CRYOSTORE™ STORAGE BOXES ARE EASILY STACKABLE

CRYOSTORE™ STORAGE BOX SELECTION GUIDE



	T308-1A 1.2 ml	T308-2 2 ml	T308-2A 2 ml	T308-3A 3 ml	T308-4A 4 ml	T308-5A 5 ml	T310-1ATP 1.2 ml	T310-2ATP 2 ml	T310-5ATP 5 ml	T310-1A 1.2 ml	T310-2 2 ml	T310-2A 2 ml	T310-3A 3 ml	T310-4A 4 ml	T310-5A 5 ml	T310-10A 10 ml	T309-1A 1.2 ml	T309-2 2 ml	T309-2A 2 ml	T309-3A 3 ml	T309-4A 4 ml	T309-5A 5 ml	T301-1 1.2 ml	T301-2 2 ml	T301-3 2 ml	T301-5 5 ml	T311-1 1.2 ml	T311-2 2 ml	T311-3 2 ml	T311-4 4 ml	T311-4A 4 ml	T311-5 5 ml
T314-225	●	●	●				●	●		●	●	●					●	●	●				●	●	●		●	●	●			
T314-281	●	●	●				●	●		●	●	●					●	●	●				●	●	●		●	●	●			
T314-481				●	●								●	●						●	●									●	●	
T314-542																●																
T314-581				●	●	●			●				●	●	●					●	●	●				●						●
T314-2100																							●	●	●		●	●	●			

T314-542
CRYOSTORE™ Storage Box

Made of polycarbonate

Made of extra strong polycarbonate, these durable cryogenic storage boxes are designed to be used at temperatures between -196 °C and +121 °C and are autoclavable at 120 °C, 15 psig (1 bar) for 20 minutes. Different colors are available to accommodate 42x T310-10A Cryovials®.

A transparent cover allows the user to see the contents of the box, and is keyed to the base to prevent misalignment. Printed with a series of squares numbered from 1 to 42, the surface accepts writing with markers, facilitating inventory control.

A unique color coding system uses colored plastic grids to separate the cover from the base on the box. A choice of four popular colors is available.

Series 542: Size: 133 mm x 133 mm x 95 mm H (5 1/4 x 5 1/4 x 3 3/4 in. H)

Cat. No.	For cryogenic tubes	Color of grid	Qty/Pk	Qty/Cs
T314-542B	10 ml	Blue	5	10
T314-542G	10 ml	Green	5	10
T314-542R	10 ml	Red	5	10
T314-542Y	10 ml	Yellow	5	10

STORAGE BOXES

Series 281: Size: 133 mm x 133 mm x 52 mm H (5 1/4 x 5 1/4 x 2 1/16 in. H)

Cat. No.	For cryogenic tubes	Color of grid	Qty/Pk	Qty/Cs
T314-281B	1 to 2 ml	Blue	4	24
T314-281G	1 to 2 ml	Green	4	24
T314-281R	1 to 2 ml	Red	4	24
T314-281Y	1 to 2 ml	Yellow	4	24
Series 481: Size: 133 mm x 133 mm x 81 mm H (5 1/4 x 5 1/4 x 3 1/8 in. H)				
T314-481B	3 to 4 ml	Blue	6	12
T314-481G	3 to 4 ml	Green	6	12
T314-481R	3 to 4 ml	Red	6	12
T314-481Y	3 to 4 ml	Yellow	6	12
Series 581: Size: 133 mm x 133 mm x 95 mm H (5 1/4 x 5 1/4 x 3 3/4 in. H)				
T314-581B	3 to 5 ml	Blue	5	10
T314-581G	3 to 5 ml	Green	5	10
T314-581R	3 to 5 ml	Red	5	10
T314-581Y	3 to 5 ml	Yellow	5	10

Series 2100 : Size: 133 mm x 133 mm x 52 mm H (5 1/4 x 5 1/4 x 2 1/16 in. H)

Cat. No.	For cryogenic tubes	Color of base	Qty/Pk	Qty/Cs
T314-2100B	1 to 2 ml	Blue	4	24
T314-2100G	1 to 2 ml	Green	4	24
T314-2100R	1 to 2 ml	Red	4	24
T314-2100Y	1 to 2 ml	Yellow	4	24

Series 225: Size: 76 mm x 76 mm x 52 mm H (3 x 3 x 2 1/16 in. H)

Cat. No.	For cryogenic tubes	Color of grid	Qty/Pk	Qty/Cs
T314-225B	1 to 2 ml	Blue	8	48
T314-225G	1 to 2 ml	Green	8	48
T314-225R	1 to 2 ml	Red	8	48
T314-225Y	1 to 2 ml	Yellow	8	48

Cat. No.	Description	Qty/Pk
T314S	Metal stand	1

Removal of vials facilitated by an innovative vial picker supplied with each storage box.

T314S Metal Stand allows storage boxes to be kept at an angle for easier access to tubes.

T312
CAPINSERT™ for CRYOVIAL® Tubes

Made of polypropylene

Color coded inserts fit precisely into the cap of the Cryovial® for color identification.

Cat. #	Color	Qty/Bag	Cat. #	Color	Qty/Bag
T312-1	White	500	T312-8	Tan	500
T312-2	Blue	500	T312-9	Gray	500
T312-3	Red	500	T312-10	Lilac	500
T312-4	Green	500	T312-11	Burnt orange	500
T312-5	Yellow	500	T312-13	Violet	500
T312-7	Assortment of colors above	5 bags of 100	T312-14	Pink	500

T313
Cane for CRYOVIAL® Tubes

Made of aluminum

For storage of up to five 1.2 or 2 ml **Simport** Cryovial® tubes in liquid nitrogen containers such as Dewar flasks.

Cat. #	Length	Qty/Pk	Qty/Cs
T313	290 mm (11 5/16 in.)	12	48

ACCESSORIES

T315
CRYOVIAL® Workstation Rack

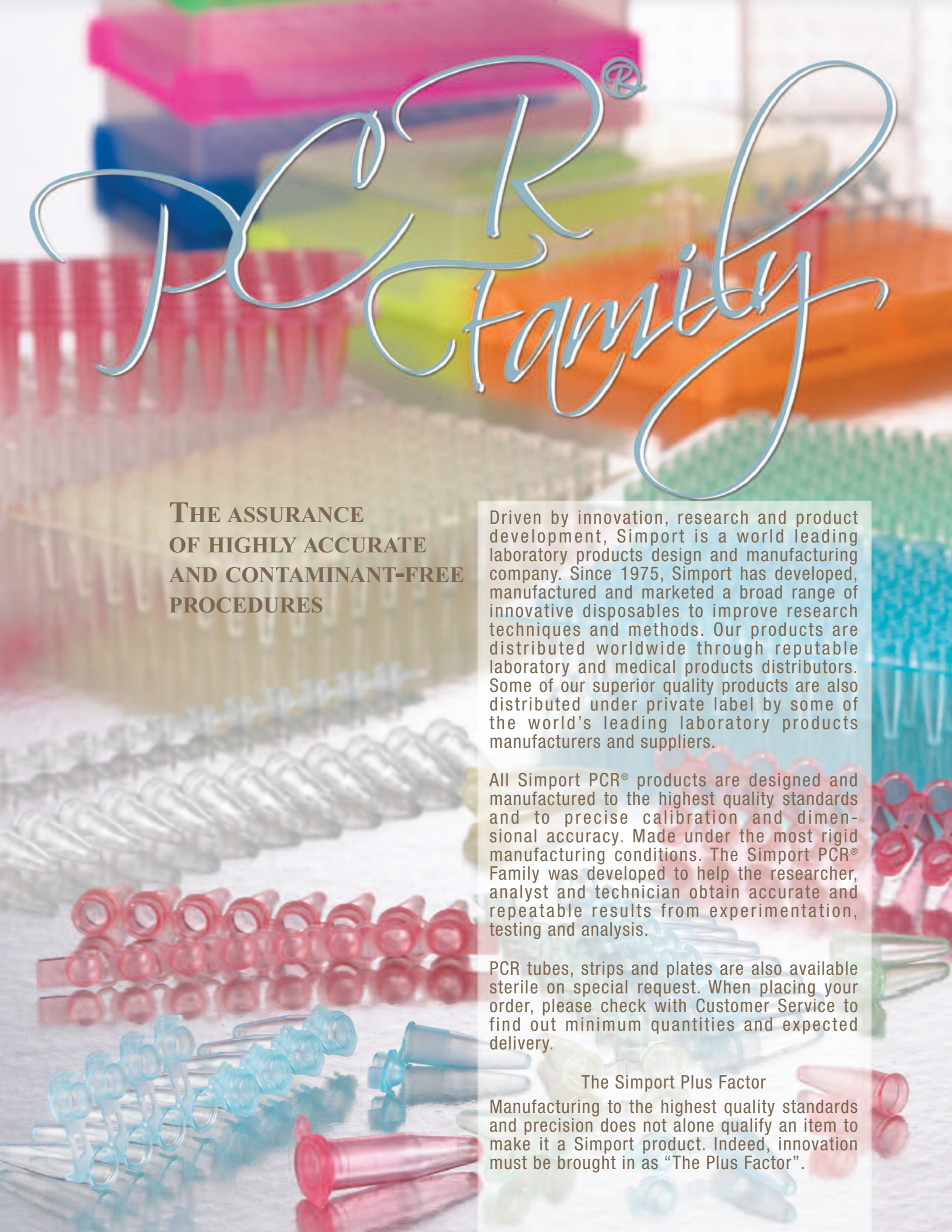
Made of polypropylene

This handy autoclavable rack can hold up to 50 cryogenic vials. Now with one hand, you can easily unscrew a **Simport** Cryovial® closure. Thanks to an innovative universal locking system, the vials will securely lock in each well and will not turn. Each position is identified with an alphanumeric index. Strong handles make it easy and safe to carry. It is supported by five anti-skid rubber feet. The rack is compact and stackable. Available in three attractive colors.

Size: 10 cm x 20 cm x 25 mm H (4 x 8 x 1 in. H)

Cat. #	Color	Qty/Cs
T315-2	Blue	4
T315-3	Red	4
T315-10	Lilac	4

Now, with only one hand, you can easily unscrew a **Simport** Cryovial® closure. Thanks to an innovative universal locking base, the vials will securely lock in the wells of just about any rack on the market. This newly designed feature is available on all **Simport** self-standing Cryovial® tubes.



THE ASSURANCE OF HIGHLY ACCURATE AND CONTAMINANT-FREE PROCEDURES

Driven by innovation, research and product development, Simport is a world leading laboratory products design and manufacturing company. Since 1975, Simport has developed, manufactured and marketed a broad range of innovative disposables to improve research techniques and methods. Our products are distributed worldwide through reputable laboratory and medical products distributors. Some of our superior quality products are also distributed under private label by some of the world's leading laboratory products manufacturers and suppliers.

All Simport PCR® products are designed and manufactured to the highest quality standards and to precise calibration and dimensional accuracy. Made under the most rigid manufacturing conditions. The Simport PCR® Family was developed to help the researcher, analyst and technician obtain accurate and repeatable results from experimentation, testing and analysis.

PCR tubes, strips and plates are also available sterile on special request. When placing your order, please check with Customer Service to find out minimum quantities and expected delivery.

The Simport Plus Factor

Manufacturing to the highest quality standards and precision does not alone qualify an item to make it a Simport product. Indeed, innovation must be brought in as "The Plus Factor".

T325-1 & -2
AMPLITUBE™
PCR Reaction Tubes, 0.2 ml

Certified RNase-, DNase-, Pyrogen- and DNA-free

Made of polypropylene

Designed for oil-free operation, these tubes are made of transparent superior quality grade polypropylene for better viewing of the contents. Their ultrathin wall design will ensure rapid thermal transfer and a significant reduction in cycle and PCR reaction time.

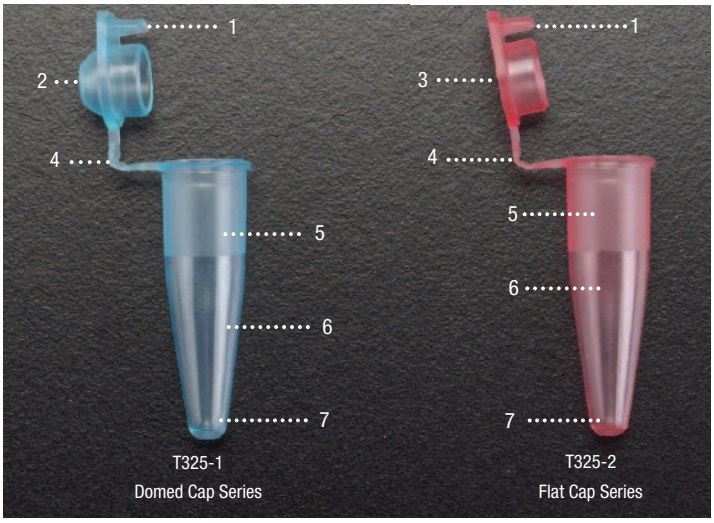
Attached hinged caps are either dome or flat-topped and can be used with heated lids used by thermal cycler manufacturers. They provide positive sealing during thermal cycling and will prevent evaporation while being easily opened and closed with one hand. **The cap has an integral shield preventing contamination with surface of lid**. Frosted writing surface for sample identification.

Choice of colorless and four non-cytotoxic and non-metallic colors. Packaged in tamperproof resealable safety-lock bags. Autoclavable.

Cat. # Domed Cap	Cat. # Flat Cap	Color	Qty/Pk
T325-1N	T325-2N	Natural	1000
T325-1B	T325-2B	Blue	1000
T325-1G	T325-2G	Green	1000
T325-1R	T325-2R	Red	1000
T325-1Y	T325-2Y	Yellow	1000

The cap has an integral shield preventing contamination with surface of lid.

PCR



1 Integral shield prevents contamination with surface of lid
2 Domed cap provides a snap shut positive seal
3 Pierceable flat cap
4 Attached cap allows opening and closing with one hand
5 Frosted writing surface
6 Ultrathin wall ensures excellent thermal exchange
7 Round bottom makes tube easy to empty

T325-1V & -2V
AMPLITUBE™
PCR Reaction Tubes, 0.2 ml

Certified RNase-, DNase-,Pyrogen- and DNA-free

Made of polypropylene

Ideal tube design when centrifugation is necessary. These tubes are identical to the T325-1 & -2 Series **but without a contamination shield**. Frosted writing surface for sample identification. See description above for further details. Packaged in tamperproof resealable safety-lock bags.

Cat. # Domed Cap	Cat. # Flat Cap	Color	Qty/Pk
T325-1VN	T325-2VN	Natural	1000
T325-1VB	T325-2VB	Blue	1000
T325-1VG	T325-2VG	Green	1000
T325-1VR	T325-2VR	Red	1000
T325-1VY	T325-2VY	Yellow	1000

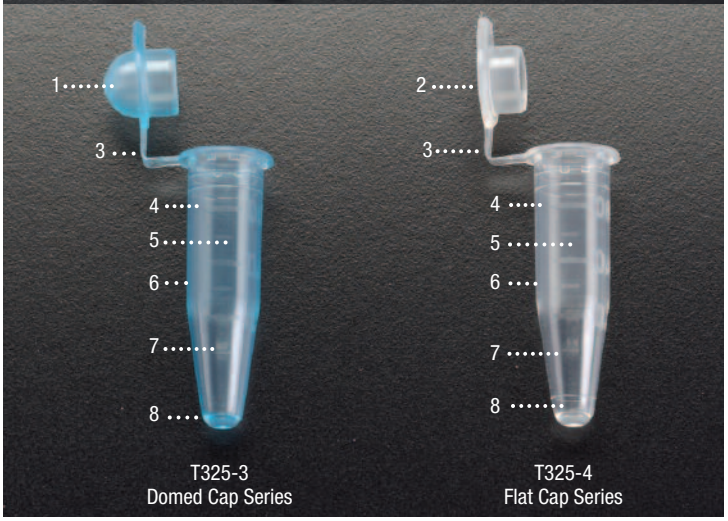
T325-12
AMPLITUBE™
PCR Reaction Tubes 0.2 ml (without cap)

Made of polypropylene

This thin wall 0.2 ml tube is very useful when processing smaller volumes. It offers optimum contact with thermal cycler blocks. The ultrathin wall will ensure rapid thermal transfer and a significant reduction in cycle and PCR reaction time. Specially designed with a highly polished surface and a round bottom for maximum sample recovery. Sealing can be achieved by using either T321-1 or T321-2 Series Cap Strips. Choice of colorless and four non-cytotoxic and non-metallic colors. Packed in tamperproof resealable bags.

Cat. #	Color	Qty/Pk
T325-12N	Natural	1000
T325-12B	Blue	1000
T325-12G	Green	1000
T325-12R	Red	1000
T325-12Y	Yellow	1000

T325-3 & -4
AMPLITUBE™ PCR Reaction Tubes, 0.5 ml



T325-3
Domed Cap Series

T325-4
Flat Cap Series

Made of polypropylene

Also designed for oil-free operation, the inside of these tubes has a polished surface, a conical shape and a round bottom for maximum sample recovery. They offer optimum contact with thermal cycler blocks. Their ultrathin wall design will ensure rapid thermal transfer and a significant reduction in cycle and PCR reaction time. Graduated in 0.1 ml increments.

Attached hinged caps are either dome or flat-topped and provide positive sealing during thermal cycling stages. They will prevent evaporation while being easily opened and closed with one hand. Choice of colorless and four non-cytotoxic and non-metallic colors for visual coding of samples. Packed in tamperproof resealable bags. Autoclavable.

PCR

1 Domed cap provides a snap shut positive seal
2 Pierceable flat cap
3 Attached cap allows opening and closing with one hand
4 Etched writing surface for sample identification
5 Graduated in 0.1 ml increments
6 Ultrathin wall
7 See-thru polypropylene
8 Round bottom makes tube easy to empty

Certified RNase-, DNase-,Pyrogen- and DNA-free

Cat. # Domed Cap	Cat. # Flat Cap	Color	Qty/Pk
T325-3N	T325-4N	Natural	1000
T325-3B	T325-4B	Blue	1000
T325-3G	T325-4G	Green	1000
T325-3R	T325-4R	Red	1000
T325-3Y	T325-4Y	Yellow	1000

Three versatile racks to accommodate your PCR tubes, strips and plates.

See page 93

The Unirack™ is an almost universal support holding up to 60 PCR reaction tubes between 0.2 ml and 0.5 ml capacity.

See page 93

The Combi-Rack™ can hold up to 96 0.2 ml PCR tubes and 8- or 12- tube strips.

See page 93

The PCRack™ will accept all models of 0.2 ml tubes, along with strips of 8 or 12 tubes and 96-well plates.

T320
AMPLITUBE™
PCR Reaction Strips

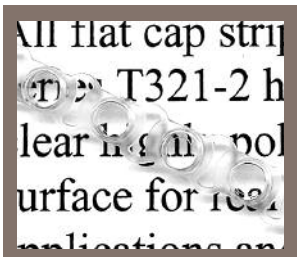
PCR

Made of polypropylene

Simport Reaction Strips include 8 or 12 integral 0.2 ml tubes with ultrathin sidewalls and bottoms for more uniform and efficient temperature transfer, therefore reducing PCR reaction time in most 96-well "V" bottomed thermal cyclers such as MJ Research, Perkin Elmer, Hybaid and others.

They are more easily handled than single tubes. They will precisely fit standard well spacing and can also be used with 8- and 12-channel hand-held pipettors. All strips are molded of polypropylene under the most stringent conditions and are offered, colorless and in four different colors.

Non-attached cap strips are available in a dome or flat top design and ensure a perfect closure during the whole thermal cycle. Cap strips are not included and have to be ordered separately (see T321 Series). Autoclavable. Packed in tamperproof resealable bags.



Natural flat cap strips in series T321-2 have a super clear highly polished upper surface for real time Q-PCR applications and fluorescence detection.

Certified RNase-, DNase-, Pyrogen- and DNA-free

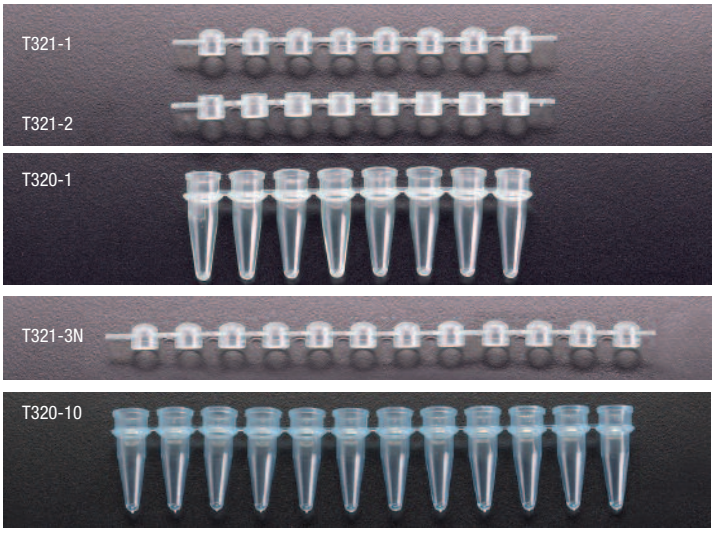
TUBE & CAP STRIPS OF 8

Tubes Strip	Domed Cap	Flat Cap	Color	Qty/Pk
T320-1N	T321-1N	T321-2N	Natural	125
T320-1B	T321-1B	T321-2B	Blue	125
T320-1G	T321-1G	T321-2G	Green	125
T320-1R	T321-1R	T321-2R	Red	125
T320-1Y	T321-1Y	T321-2Y	Yellow	125

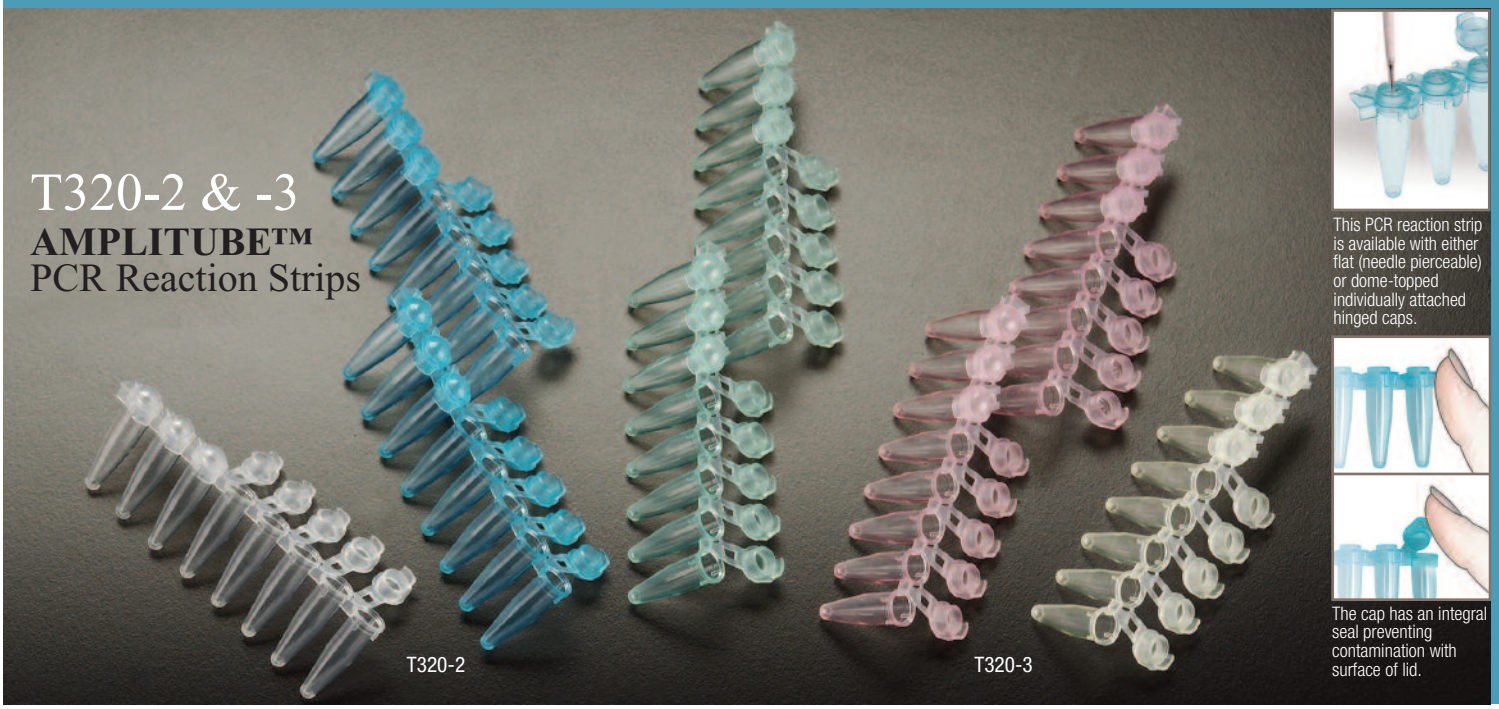
TUBE & CAP STRIPS OF 12

Tubes Strip	Domed Cap	Color	Qty/Pk
T320-10N	T321-3N	Natural	125
T320-10B*	—	Blue	125
T320-10G*	—	Green	125
T320-10R*	—	Red	125
T320-10Y*	—	Yellow	125

* Available on request only. Minimum quantities apply. Please enquire for more details.



Simport Most Popular Tube Strip



Made of polypropylene

Certified RNase-, DNase-, Pyrogen- and DNA-free

PCR

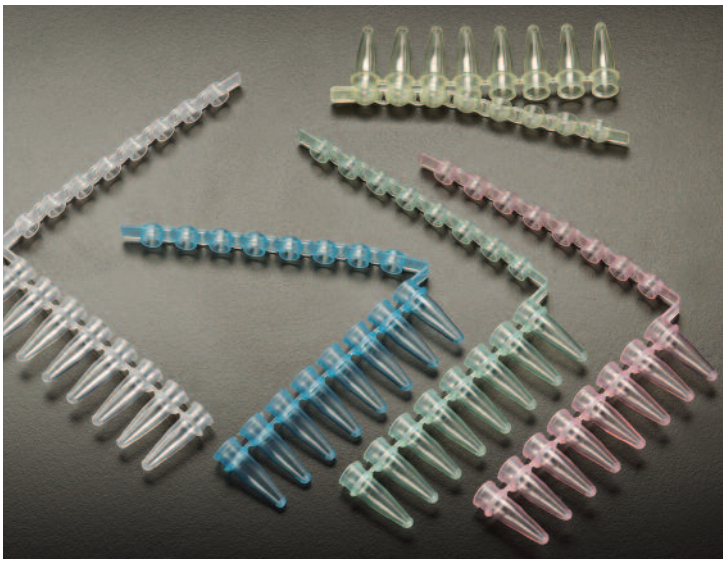
This more convenient 0.2 ml tube strip incorporates individually attached caps. No need to carry two separate components in inventory. The strip includes 8 integral 0.2 ml tubes with ultrathin sidewalls and bottoms for more uniform and efficient temperature transfer.

This PCR reaction strip is available with either flat (needle pierceable) or dome-topped individually attached hinged caps. While easily opened and closed with one hand, their positive sealing will fully protect the contents from evaporation during the whole thermal cycle. The cap has an integral seal preventing contamination with surface of lid.

While more easily handled than single tubes, the strip will precisely fit standard well spacing and can also be used with 8-channel hand-held pipettors. Manufactured under the most stringent conditions to attain the highest quality standards in the industry. Choice of colorless and four non-cytotoxic and non-metallic colors. Autoclavable. Packed in tamperproof resealable bags.

Cat. #	Type of cap	Color	Qty/Pk
T320-2N	Flat	Natural	125
T320-2B	Flat	Blue	125
T320-2G	Flat	Green	125
T320-2R	Flat	Red	125
T320-2Y	Flat	Yellow	125

Cat. #	Type of cap	Color	Qty/Pk
T320-3N	Domed	Natural	125
T320-3B	Domed	Blue	125
T320-3G	Domed	Green	125
T320-3R	Domed	Red	125
T320-3Y	Domed	Yellow	125



T322

AMPLITUBE™ Thin Wall PCR Reaction Strips (Cap Strip attached)

Made of polypropylene

Designed for oil-free operation, these reaction strips are identical to T320 Series but include already attached 8-cap strips molded with a living hinge to facilitate opening and closing. They are manufactured under strict quality control supervision to ensure reproducible results, using a special almost transparent polypropylene.

Individual tube sealing ensures that samples are well protected from any carry-over contamination. Cap design offers a snap shut seal to avoid evaporation during thermal cycling stages. Autoclavable. Packed in tamperproof resealable bags.

Cat. #	Color	Qty/Pk
T322-1N	Natural	125
T322-1B	Blue	125
T322-1G	Green	125
T322-1R	Red	125
T322-1Y	Yellow	125

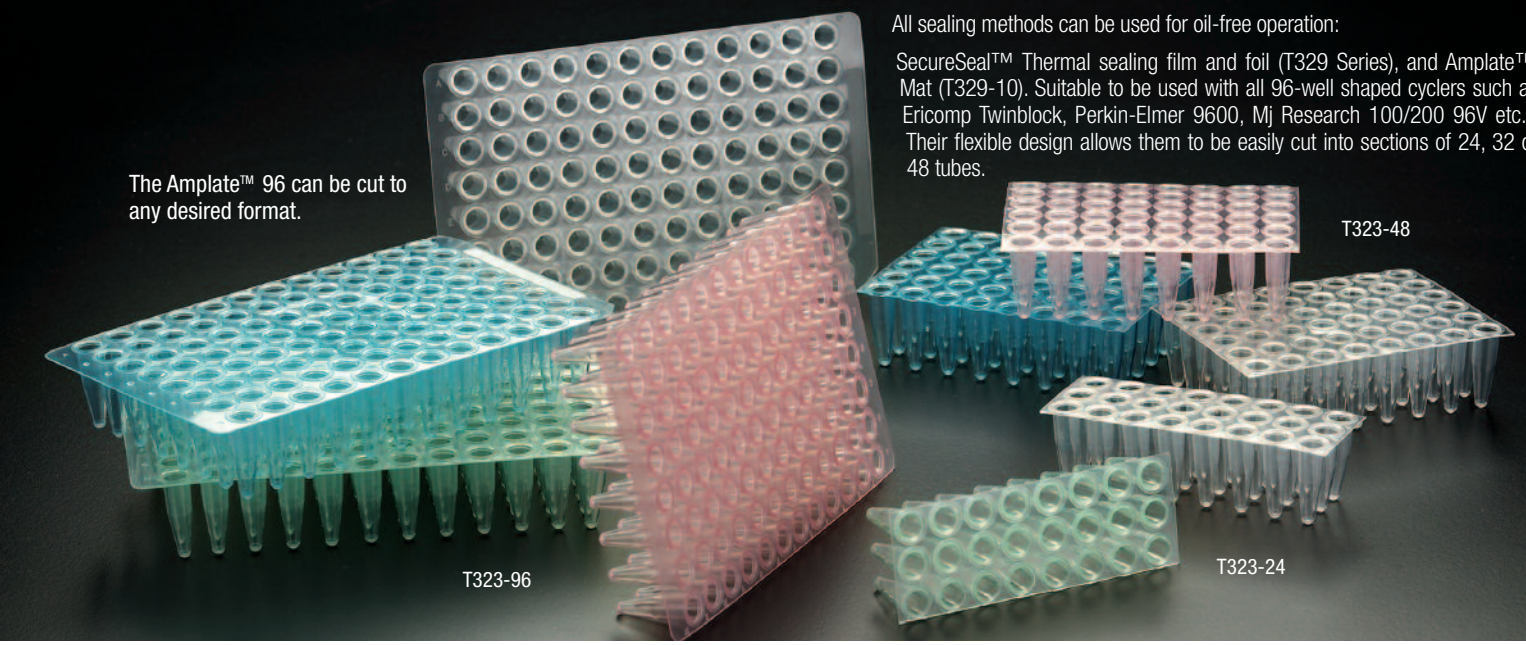
T323
AMPLATE™ Thin Wall PCR Plates

Made of polypropylene

These 96-well PCR plates are thin-walled and designed for rapid thermal transfer. Each well has a capacity of 0.2 ml. They are precision-molded to ensure well-to-well and plate-to-plate uniformity. The insides of the tubes are smooth and have an inert surface on which enzymes and nucleic acids do not bind.

All sealing methods can be used for oil-free operation:

SecureSeal™ Thermal sealing film and foil (T329 Series), and Amplate™ Mat (T329-10). Suitable to be used with all 96-well shaped cyclers such as Ericomp Twinblock, Perkin-Elmer 9600, Mj Research 100/200 96V etc... Their flexible design allows them to be easily cut into sections of 24, 32 or 48 tubes.



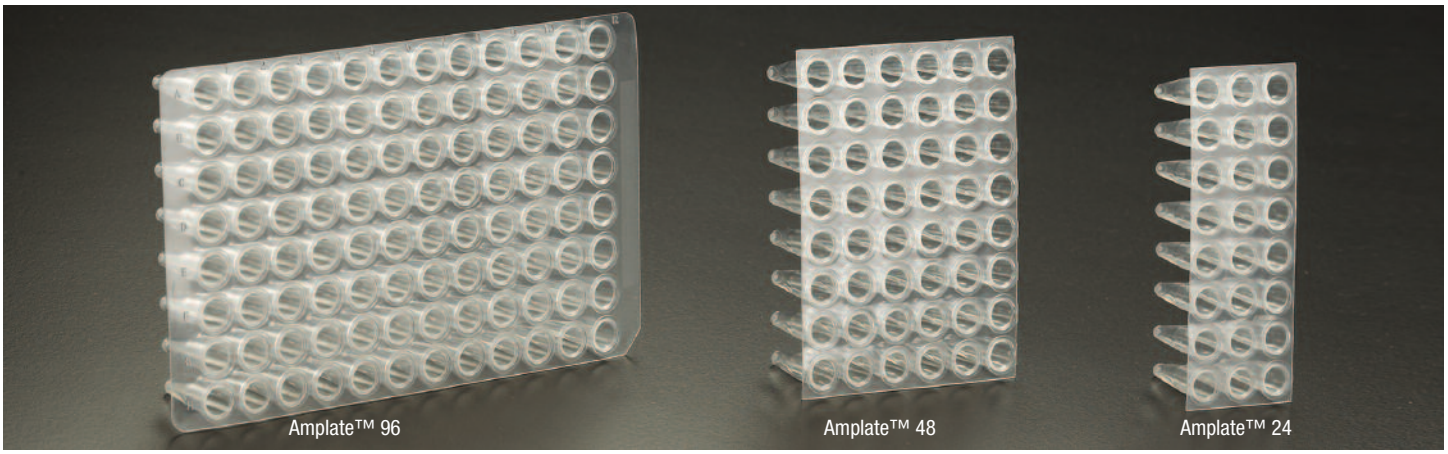
PCR

The plates will accommodate differences in expansion coefficients between the metal thermal cycler block and polypropylene tubes. For more convenience, pre-cut plates are also available in the following formats: 48 tubes (6 x 8) and 24 tubes (3 x 8).

On the 96-well plate, an alphanumeric grid helps sample identification. To facilitate orientation, the bottom right corner of the plate is cut away. The AMPLATE™ is easy to seal since no cylindrical walls extend above the plate. More economical than using single tubes, it is available colorless and in four different colors. Autoclavable. Packed in tamperproof resealable bags of 10 plates.

- Alphanumeric grid for better identification
- Flexible plate for better fitting of tubes in thermal block
- Can be cut to desired format
- Corner is cut away to facilitate orientation of plate
- Inside of tube is smooth and has an inert surface

Certified RNase-, DNase-, Pyrogen- and DNA-free



Amplate™ 96 Cat. #	Color	Qty/Bag	Qty/Cs	Amplate™ 48 Cat. #	Amplate™ 24 Cat. #	Color	Qty/Bag	Qty/Cs
T323-96N	Natural	10	100	T323-48N	T323-24N	Natural	10	50
T323-96B	Blue	10	100	T323-48B	T323-24B	Blue	10	50
T323-96G	Green	10	100	T323-48G	T323-24G	Green	10	50
T323-96R	Pink	10	100	T323-48R	T323-24R	Pink	10	50
T323-96Y	Yellow	10	100	T323-48Y	T323-24Y	Yellow	10	50

T323-96LP

Low Profile **AMPLATE™** 96 Thin Wall PCR Plates

Made of polypropylene

These low profile 96-well PCR plates are similar to the regular **Simport** AMPLATE™ Series detailed on the previous page. However, each of the 96 tubes has a smaller volume (only 100 µl) and thereby reduce the dead space between sample and cover.

They are thin-walled and designed for rapid thermal transfer. precision-molded to ensure well-to-well and plate-to-plate uniformity. All sealing methods can be used for oil-free operation: domed and flat cap strips (T321 Series), SecureSeal™ Thermal sealing film and foil (T329 Series), and Amplate™ Mat (T329-10). Suitable to be used with all 96-well shaped cyclers such as Ericomp Twinblock, Perkin-Elmer 9600, Mj Research 100/200 96V etc...

The flexible design accommodates differences in expansion coefficients between the metal thermal cycler block and polypropylene tubes.

An alphanumeric grid helps sample identification. To facilitate orientation, two left corners of the plate are cut away. The AMPLATE™ is easy to seal since no cylindrical walls extend above the plate. More economical than using single tubes, it is available colorless and in four different colors. Autoclavable.

Packed in tamperproof resealable bags of 10 plates.

CAN BE USED WITH ALL LEADING THERMAL CYCLERS

Certified RNase-, DNase-, Pyrogen- and DNA-free

The Amplate™ 96LP can be cut to any desired format.

- Alphanumeric grid for better identification
- Flat surface for better sealing
- Small volume reducing dead space between sample and cover

Cat. #	Color	Qty/Bag	Qty/Cs
T323-96LPN	Natural	10	100
T323-96LPB	Blue	10	100
T323-96LPG	Green	10	100
T323-96LPR	Pink	10	100
T323-96LPY	Yellow	10	100

T323-96SK

Skirted **AMPLATE™** 96 Thin Wall PCR Plates

Made of polypropylene

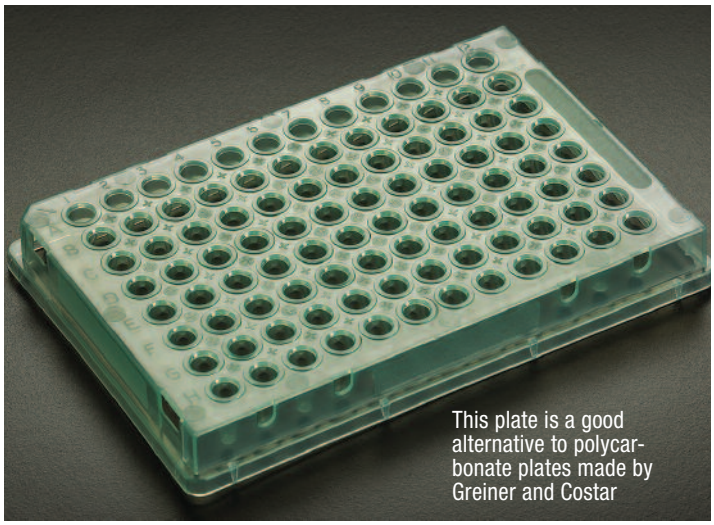
Similar to the T323 Series above, these skirted 96-well PCR plates are thin-walled and designed for rapid thermal transfer. The skirt around the plate provides a bar coding and labeling area, unavailable in other types of plates. They are precision-molded to ensure well-to-well and plate-to-plate uniformity. Quite superior to polycarbonate plates, they are impermeable to water vapor.

All sealing methods can be used for oil-free operation: domed and flat cap strips (T321 Series), SecureSeal™ Thermal sealing film and foil (T329), and Amplate™ Mat (T329-10 Series). Suitable to be used with all 96-well shaped cyclers such as Ericomp Twinblock, Perkin-Elmer 9600, Mj Research 100/200 96V etc...

An alphanumeric grid helps sample identification. To facilitate orientation, the top left corner of the plate is cut away. The AMPLATE™ is easy to seal since no cylindrical walls extend above the plate. More economical than using single tubes, it is available colorless and in four different colors.

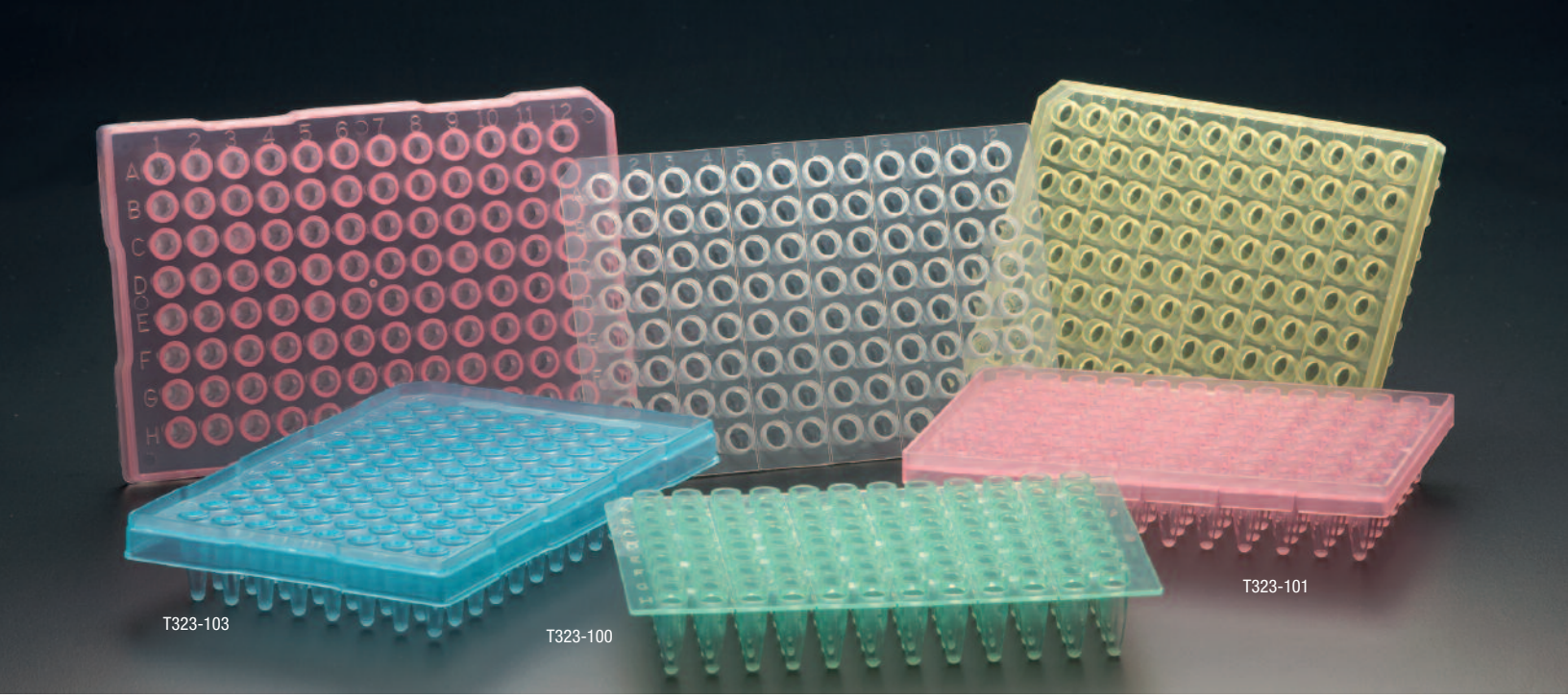
Finally, the **Simport** AMPLATE™ can be handled by robotic handling equipment and is ideal with automated pipetting systems. Autoclavable.

Packed in tamperproof resealable bags of 10 plates.


This plate is a good alternative to polycarbonate plates made by Greiner and Costar

- Alphanumeric grid for better identification
- Flat surface for better sealing
- Can be handled by robotic handling equipment
- Area for bar coding, labeling or writing on each side and top
- Each well has a volume of 100 µl

Cat. #	Color	Qty/Bag	Qty/Cs
T323-96SKN	Natural	10	100
T323-96SKB	Blue	10	100
T323-96SKG	Green	10	100
T323-96SKR	Pink	10	100
T323-96SKY	Yellow	10	100



AMPLATE™

Raised Rim Thin Wall PCR Plates

PCR

Made of polypropylene

Amplate™ Raised Rim thin wall PCR plates are the latest addition to the wide range of Simport PCR products. Offering just the right rigidity for automation, these three 96-well plates, made in a standard 8 x 12 configuration, are perfectly suited for high performance thermal cycling. Each well makes intimate contact with the heating block while quick and consistent heat transfer is ensured by a uniform wall thickness. Using a special polypropylene, samples are easily recovered thanks to a low adhesion surface. Plates on all models can be cut in strips of 16 wells (2 x 8).

Well capacity: T323-100 and -101 Series: 250 µl, T323-103 Series: 200 µL

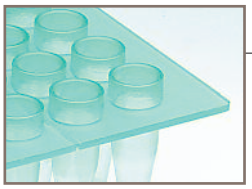
These plates offer the right alternative to existing Robbins, Corning and Perkin Elmer models. T323-100 and –101 Series have a 3 mm raised rim around each tube well.

The latter is supplied with a wide skirt extending over and under the plate on which a bar code can be affixed to facilitate identification. Series T323-103 will also offer the same skirt but the rim above each tube well is only 1 mm high.

All sealing methods can be used for oil-free operation: domed and flat cap strips (T321 Series); SecureSeal™ Thermal Sealing Film (T329-1); SecureSeal™ Aluminium Sealing Foil (T329-5) and Amplate™ Mat (T329-10). However Series T323-103 will accommodate micromats only. To facilitate orientation, one corner of the plate is cut away. An alphanumeric grid helps sample identification. Available colorless and in four pastel colors. Autoclavable. Packed in tamperproof resealable bags of ten plates.

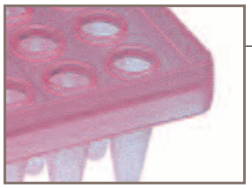
Certified RNase-, DNase-, Pyrogen- and DNA-free

Our Latest Addition to the Wide Range of Simport PCR® Products



Cat. #	Color	Qty/Bag	Qty/Cs
T323-100N	Natural	10	100
T323-100B	Blue	10	100
T323-100G	Green	10	100
T323-100R	Pink	10	100
T323-100Y	Yellow	10	100

Cat. #	Color	Qty/Bag	Qty/Cs
T323-101N	Natural	10	100
T323-101B	Blue	10	100
T323-101G	Green	10	100
T323-101R	Pink	10	100
T323-101Y	Yellow	10	100



Cat. #	Color	Qty/Bag	Qty/Cs
T323-103N	Natural	10	100
T323-103B	Blue	10	100
T323-103G	Green	10	100
T323-103R	Pink	10	100
T323-103Y	Yellow	10	100

T323-384SK

AMPLATE™ 384 Thin Wall PCR Plates

Made of polypropylene

This plate has been developed for high volume laboratory work. It is precision-molded to ensure well-to-well and plate-to-plate uniformity.

The design of the AMPLATE™ 384 is such that each well having a 40 µl capacity can be used with reaction volumes from 2 to 30 µl. All wells on the plate are thin-walled to make sure that an efficient and fast heat transfer is occurring.

Although it has 384 wells, it can be filled using automated fluid handling systems or standard multichannel pipettors.

In order to offer more surface contact between the plate and the sealing medium, such as thermal foil and adhesive sealing films, there are no cylindrical walls extending above the plate.

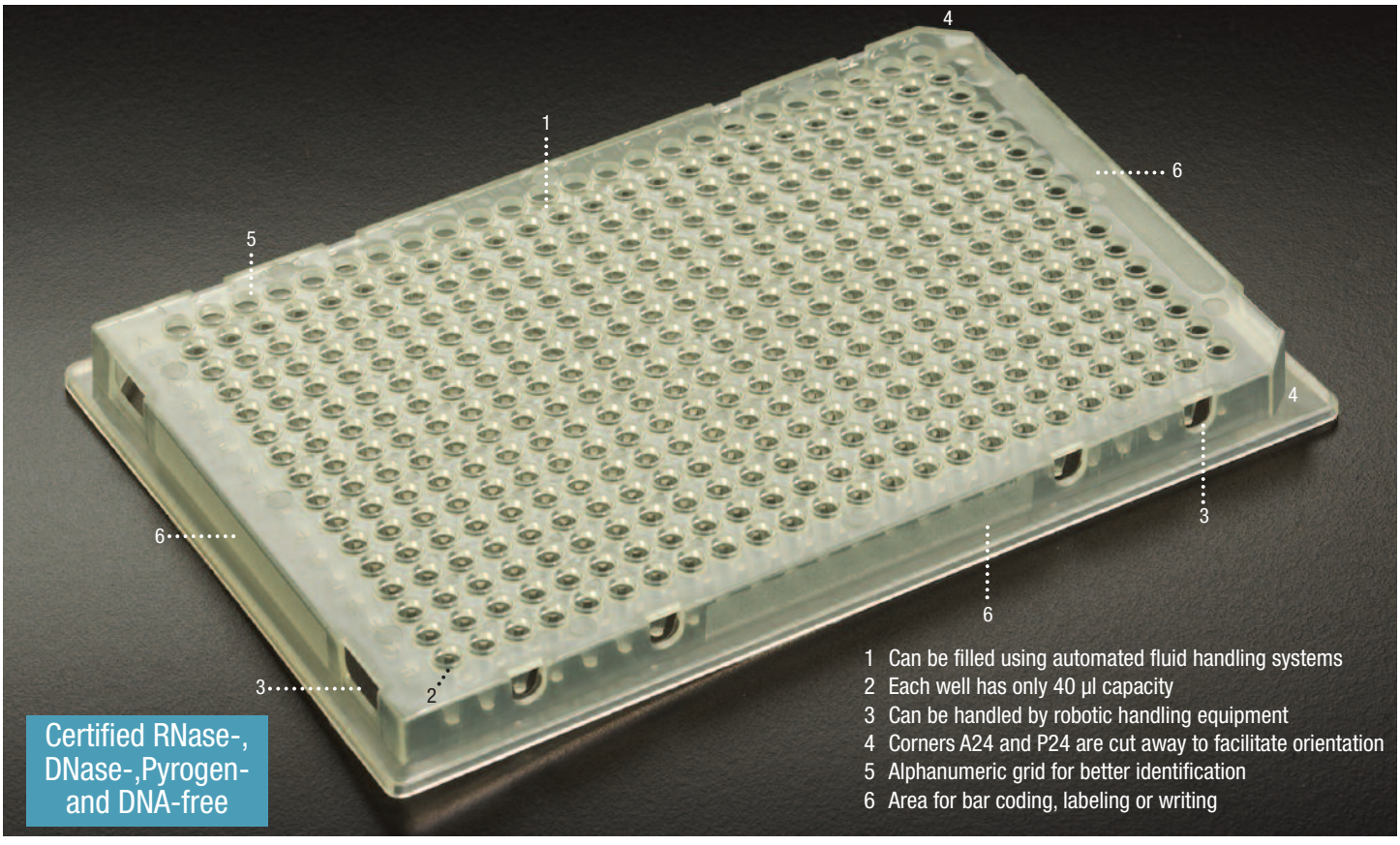
The AMPLATE™ 384 is skirted to allow bar coding on sides for identification and also to make it compatible with automated fluid handling systems. Holes on sides allow for precise and accurate plate positioning and removal.

An alphanumeric grid helps in locating the sample. Two corners of the plate are cut away to facilitate orientation.

The AMPLATE™ 384 is definitely more economical than using single tubes, strips, and even 96-well plates. It is available colorless and in four popular colors. Autoclavable. Packed in tamperproof resealable bags of 10 plates.

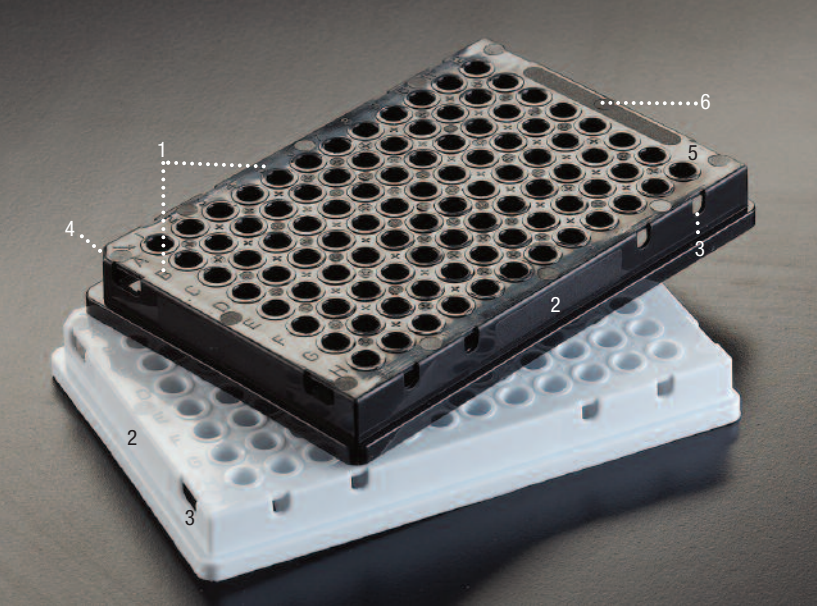
Cat. #	Color	Qty/Bag	Qty/Cs
T323-384SKN	Natural	10	100
T323-384SKB	Blue	10	100
T323-384SKG	Green	10	100
T323-384SKR	Pink	10	100
T323-384SKY	Yellow	10	100

PCR



Certified RNase-, DNase-,Pyrogen- and DNA-free

1 Can be filled using automated fluid handling systems
2 Each well has only 40 µl capacity
3 Can be handled by robotic handling equipment
4 Corners A24 and P24 are cut away to facilitate orientation
5 Alphanumeric grid for better identification
6 Area for bar coding, labeling or writing



1 Alphanumeric grid for better identification
2 Area for bar coding, labeling or writing
3 Can be handled by robotic handling equipment
4 One corner is cut away to facilitate orientation
5 Flat surface for better sealing
6 Opaque to ensure low level of background fluorescence

T324-96SK

Opaque Skirted **AMPLATE™** 96 Thin Wall PCR Plates

Made of polypropylene

These opaque 96-well PCR plates are for chemiluminescent and fluorescent procedures. Each well has a capacity of 100 µl. Thin-walled and designed for rapid thermal transfer. They are precision-molded to ensure well-to-well and plate-to-plate uniformity.

All sealing methods can be used for oil-free operation: domed and flat cap strips (T321 Series), SecureSeal™ Thermal and foil (T329 Series), and Amplate™ Mat (T329-10). Suitable to be used with all 96-well shaped cyclers such as Ericomp Twinblock, Perkin-Elmer 9600, Mj Research 100/200 96V etc...

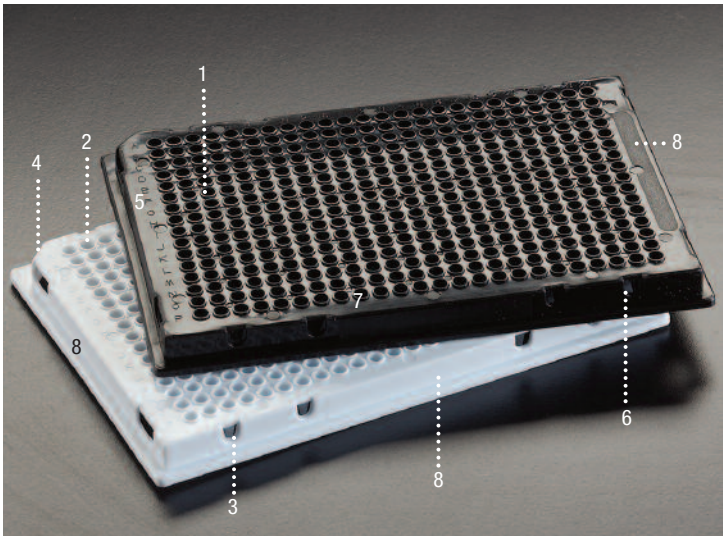
An alphanumeric grid helps in sample identification. To facilitate orientation, the top left corner of the plate is cut away. The AMPLATE™ is easy to seal since no cylindrical walls extend above the plate. Finally, the **Simport** AMPLATE™ can be handled by robotic handling equipment and is ideal with automated pipetting systems. Autoclavable.

Packed in tamperproof resealable bags of 10 plates.

Cat. #	Color	Qty/Bag	Qty/Cs
T324-96SKK	Black	10	100
T324-96SKW	White	10	100

Certified RNase-, DNase-, Pyrogen- and DNA-free

PCR



1 Can be filled using automated fluid handling systems
2 Each well has only 40 µl capacity
3 Holes on side allow for precise and accurate plate positioning and removal
4 One corner is cut away to facilitate orientation
5 Alphanumeric grid for better identification
6 Can be handled by robotic handling equipment
7 Opaque to ensure low level of background fluorescence
8 Area for bar coding, labeling or writing

T324-384SK

Opaque Skirted **AMPLATE™** 384 Thin Wall PCR Plates

Made of polypropylene

For chemiluminescent and fluorescent procedures, the AMPLATE™ -384 is available in opaque white or black. The white plate will increase signal output in both types of assays. It has been developed for high volume laboratory work. It is precision-molded to ensure well-to-well and plate-to-plate uniformity.

The design of the AMPLATE™ -384 is such that each well having a 40 µl capacity can be used with reaction volumes from 2 to 30 µl capacity. Only virgin polypropylene is used to manufacture this plate. Although it has 384 wells, it can be filled using automated fluid handling systems or standard multichannel pipettors. All wells on the plate are thin-walled to make sure that an efficient and fast heat transfer is occurring.

In order to offer more surface contact between the plate and the sealing medium, such as thermal foil and adhesive sealing films, there are no cylindrical walls extending above the plate.

The AMPLATE™ -384 is skirted to allow bar coding on sides for identification and also to make it compatible with automated fluid handling systems. Holes on sides allow for precise and accurate plate positioning and removal.

An alphanumeric grid helps in locating the sample. Finally, one corner of the plate is cut away to facilitate its orientation. Autoclavable.

Packed in tamperproof resealable bags of 10 plates.

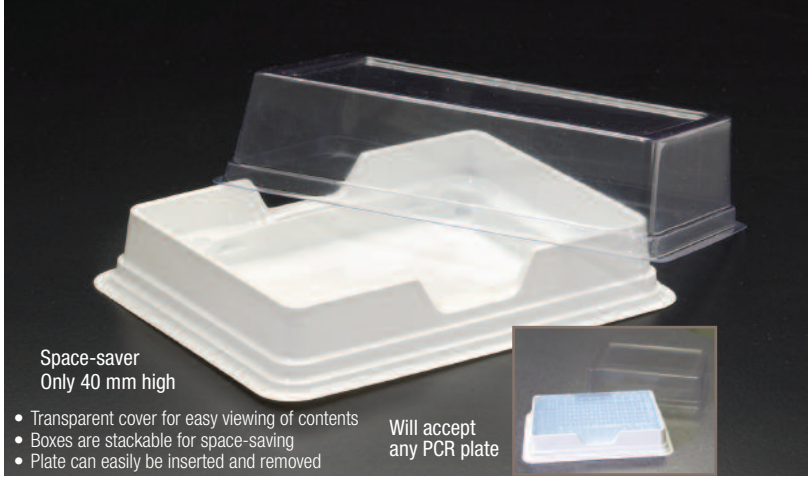
Cat. #	Color	Qty/Bag	Qty/Cs
T324-384SKK	Black	10	100
T324-384SKW	White	10	100

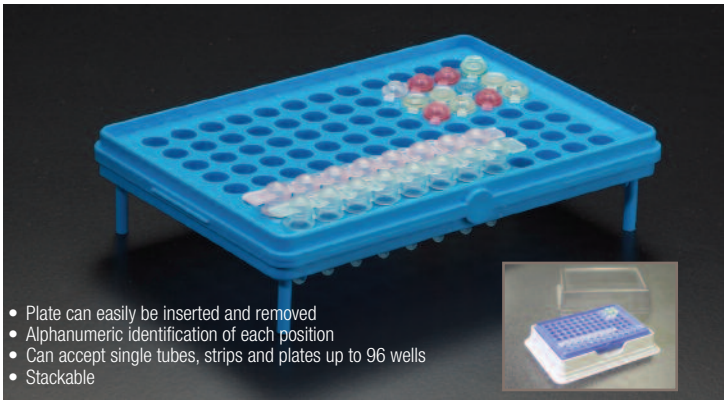
T327
COMBI-BOX™

Made of pvc

The **Simport** Combi-Box™ can be used not only as a storage rack but also as a workstation. The white base will accept all 96- and 384-well plates and an easy to remove transparent cover allows easy viewing of contents. Being only 40 mm high, the stackable Combi-Box™ saves space on the lab bench and on refrigerator or freezer shelves. For single tubes as well as strips, use the Combi-Rack™ (T327-1) which can hold up to 96 tubes or 12 strips of 8.

Cat. #	Color	Qty/Cs
T327	White base	5





T327-1
COMBI-RACK™

Made of polypropylene

The **Simport** Combi-Rack™ is an innovative support that can hold up to 96 PCR tubes or 12 strips of 8 tubes with caps. Each hole is identified with an alphanumeric numbering system for identifying tubes. The grid stands on 4 legs and can be placed on a lab counter or in a refrigerator or freezer shelf. Made of polypropylene, it can easily withstand temperatures from -80 °C to +121 °C. It is also ideal for carrying and storing, freezing and transporting reagents and specimens.

For storage, simply place the Combi-Rack™ in the T327 Combi-Box™ and place cover.

Cat. #	Color	Qty/Cs
T327-1	Blue	5

PCR

T328-96
PCRack™

Made of polypropylene

This convenient space saving rack was designed especially for storing and working with PCR samples. The PCRack™ will accept all models of 0.2 ml tubes, along with strips of 8 or 12 tubes. 96-well PCR plates can also be accommodated.

The PCRack™ can be horizontally attached to each other in order to build-up any configuration you desire. With the cover on, they are easily stackable one on top of another. Thanks to these special features, efficiency is highly improved allowing you to carry a multitude of tubes and/or strips at the same time. Autoclavable.

Cat. #	Color	Qty/Cs	Cat. #	Color	Qty/Cs
T328-96B	Blue	20	T328-96R	Red	20
T328-96G	Green	20	T328-96Y	Yellow	20
T328-96O	Orange	20	T328-96AS	Assorted*	20
T328-96P	Pink	20			

*Blue, green, orange, pink, yellow.

S500-80
UniRack™

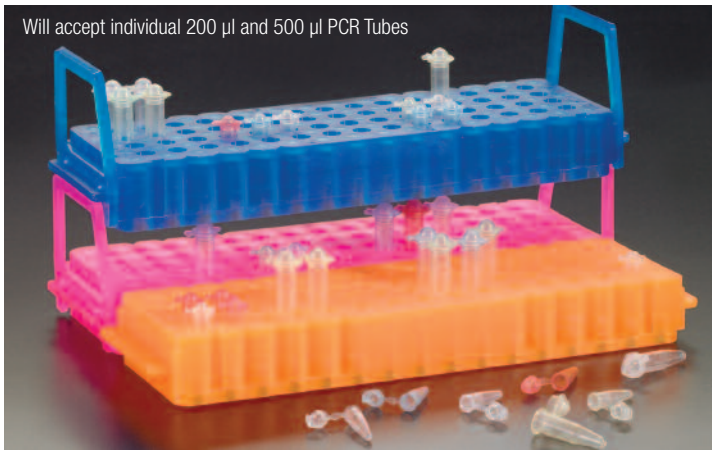
Made of polypropylene

The UniRack™ offers the laboratory a support far more versatile and easy to use than any other rack available today. It is designed to use minimum counter space while offering maximum flexibility. Made of autoclavable polypropylene, it allows great resistance to various chemicals used in laboratories.

Cat. #	Color	Qty/Cs	Cat. #	Color	Qty/Cs
S500-80B	Blue	10	S500-80R	Red	10
S500-80G	Green	10	S500-80Y	Yellow	10
S500-80O	Orange	10	S500-80AS	Assorted*	10
S500-80P	Pink	10			

*Blue, green, orange, pink, yellow.

Lid Cat. #	Color	Qty/Cs
S501-80	Transparent	10



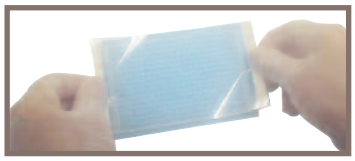
SecureSeal™ Thermal Adhesive Films and Foil

Adhesive films and foils are now increasing in popularity for covering a wide range of plates in bioanalytical, genomic and pharmaceutical research.

Simport, with almost 30 years of experience creating innovative laboratory plasticware and accessories, is offering a carefully selected range of sealing films and foil with the following features:

- Low contamination of well contents by the tape adhesive
- Prevention of evaporation from the individual wells
- Clean tape removal for access to the well contents
- Good optical properties for monitoring well contents through the film
- Temperature resistance over wide ranges to include compound storage and PCR

The improved **Simport** SecureSeal™ Films and Foil are higher quality products manufactured through unequalled expertise and quality control.



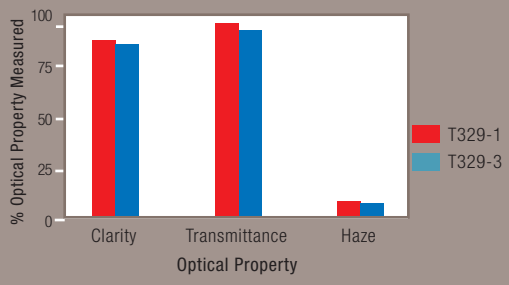
The Simport SecureSeal™ Thermal Adhesive Films prevent vapor loss and are thermostable and functional from -70 °C to +95 °C.

Properties of Simport SecureSeal™ Sealing Films and Foil

PCR Compatibility

- Solvent loss after typical cycle < 5% with no dry wells.
  - The following cycle repeated 35 times: 94 °C for 1 min; 55 °C for 1 min; 72 °C for 45 sec.
- Very low autofluorescence for T329-1 polyolefin tape.
- Adhesives do not interfere with cycle reactions.

Optical Properties



Solvent Extractables

T329-1 Polyolefin / T329-3 Polyester / T329-5 Aluminum

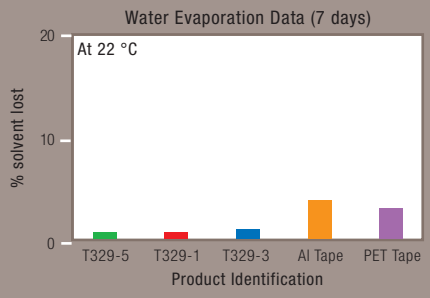
One hour direct contact between adhesive and solvent followed by overnight incubation at room temperature.

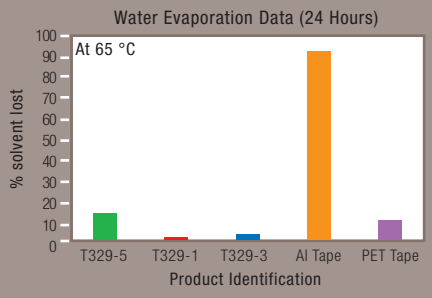
Solvents: DMSO and ethanol (80) / water (20).

Blanks, controls, and extracts were analyzed by GC/MS.

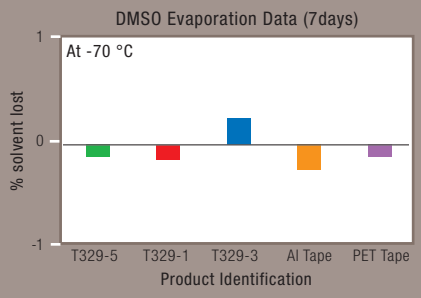
Results:
DMSO: None detected above background.
Ethanol / water: Hydrocarbon acrylate esters 5 µg /ml
Antioxidant 630 µg /mL.

Prevention of Water Evaporation

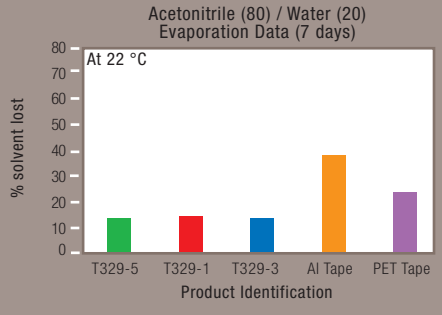


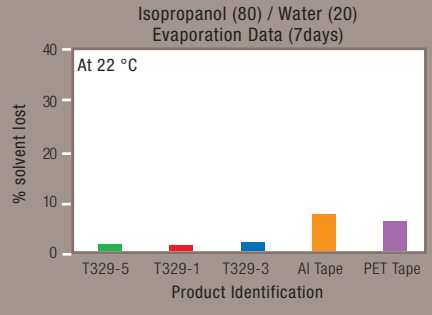


Analysis of DMSO Mass Change

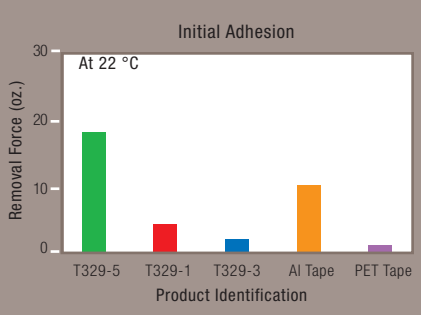


Prevention of Aqueous / Organic Solvent Evaporation



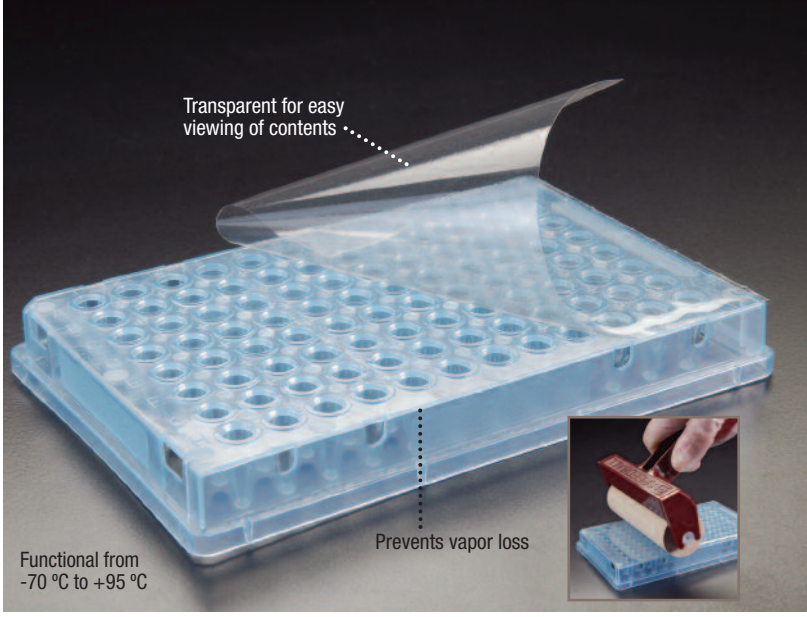


Adhesion to Polypropylene Plates



T329-1 & -2

SecureSeal™ Thermal Adhesive Sealing Film for PCR application



This transparent sealing tape consists of a 2.0 mil polyolefin film coated on one side with a pressure sensitive acrylate adhesive which does not interfere with cycle reactions. It is ideal for reducing well-to-well contamination and/or spill over in sensitive PCR applications where the minimization of evaporation and vapor loss is critical.

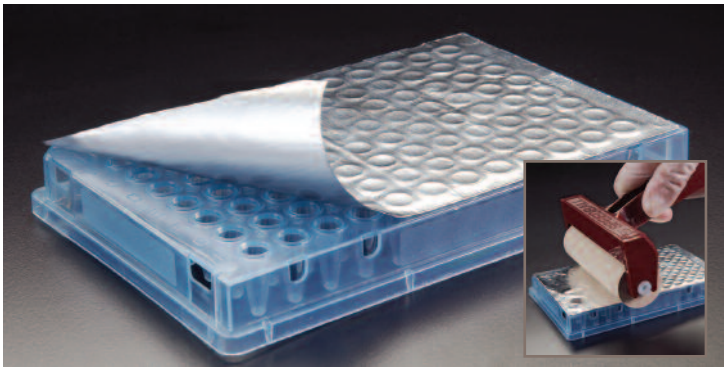
SecureSeal™ Thermal Film was developed with the assistance of a major cycler manufacturer for PCR applications. Not only does it offer low-autofluorescence but it will prevent vapor loss and is thermostable and functional from -70 °C to +95 °C. Certified RNAse, DNAse and DNA-free. DMSO resistant.

Note: Performance may depend upon the specific collection/sample vessel used as well as the specific conditions to which it is subjected.

Cat. #	Color	Sterile	Qty/Pk	Qty/Cs
T329-1	Transparent	No	100	1000
T329-2	Transparent	Yes	100	1000

T329-5

SecureSeal™ Aluminum Sealing Foil



This type of material is ideal for manual sealing during PCR work and also for high throughput applications. Adhesive backing makes it easy to apply. Will resist temperatures from -86 °C to +95 °C. It is recommended to use the Amplate™ Roller (T329-9) to ensure a perfect bond, eliminating the dangers of evaporation. Pierceable with a pipet tip for easy access to sample. Certified RNAse, DNAse and DNA-free. DMSO resistant.

Cat. #	Description	Qty/Pk
T329-5	Peeling foil	100 sheets

T329-9

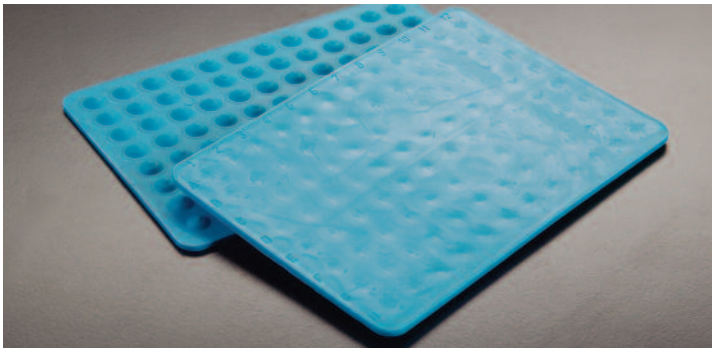
AMPLATE™ Roller

For ensuring a perfect seal when using either SecureSeal™ Thermal sealing film or foil on PCR plates. Roller made of medium hard rubber. Heavy-duty handle with comfort grip reducing fatigue. Will last a long time.

Cat. #	Size	Qty/Pk
T329-9	10.16 cm (4 in.)	1

T329-10

AMPLATE™ Mat



Made of Santoprene

This flexible sealing cover is used on 96-well plates along with clip down and screw top thermal cyclers and has been proven to be a secure and effective way of sealing. Since it is reusable, it is a nice way to make this step of the procedure cost effective. Dimples on one side of the mat ensure it is well placed over the tubes. Autoclavable.

Cat. #	Color	Qty/Pk
T329-10	Blue	5

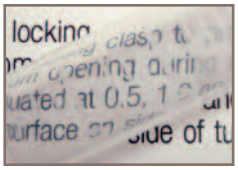
Thermal Cycler Guide

Manufacturer	Thermal Cycler	T325 Series (Pages 84-85)				T320 Series (Pages 86-87)	T322 Series (Page 87)	T323 Series (Pages 88-91)								
		-1	-2	-3	-4	T320	T322	-24	-48	-96	-96LP	-96SK	-100	-101	-103	-384SK
Bio-Rad	Gene Cycler	•	•					•								
	iCycler	•	•	•	•	•	•	•	•	•	•		•	•		•
Biometra	T Personnal	•	•	•	•				•							
	T1 Thermocycler	•	•			•	•	•	•	•	•	•	•	•		•
	T3 Thermocycler	•	•	•	•	•	•	•	•							
	Uno	•	•			•	•	•	•	•			•	•		
	Uno II	•	•			•	•	•	•	•	•		•	•		•
	Gradiant	•	•	•	•	•	•			•	•	•	•	•		
Corbett	PC•960	•	•	•	•	•	•	•	•	•	•	•	•	•		
Eppendorf	Mastercycler	•	•	•	•											
	Mastercycler Personnal	•	•	•	•	•	•	•	•	•	•	•				
	Mastercycler Gradient	•	•	•	•	•	•	•	•	•	•	•				
	Mastercycler 384															•
Ericom	DeltaCycler I	•	•	•	•	•	•	•	•	•	•		•	•		
	DeltaCycler II	•	•	•	•	•	•	•	•	•	•		•	•		
	PowerBlock I	•	•	•	•	•	•									
	Single Block	•	•	•	•	•	•	•	•	•	•		•	•		
	Twin Block	•	•	•	•	•	•	•	•	•	•		•	•		
Hybaid	Omnigene	•	•			•	•	•	•	•	•	•	•	•		
	OMN•E	•	•	•	•	•	•	•	•	•	•	•	•	•		
	PCR Express	•	•	•	•	•	•	•	•	•	•	•	•	•		•
	Touchdown	•	•	•	•	•	•	•	•	•	•	•	•	•		
Idaho Tech.	Indy	•	•	•	•											
Lab-Line	210			•	•											
	212	•	•			•	•	•	•	•	•					
	214	•	•	•	•	•	•	•	•	•	•		•			
	225			•	•											
	226	•	•			•	•	•	•	•	•		•			
	227	•	•	•	•	•	•	•	•							
MJ Research	PTC•100	•	•	•	•	•	•	•	•	•	•	•	•	•		
	PTC•150	•	•	•	•											
	PTC•200	•	•	•	•	•	•	•	•	•	•	•	•	•		•
	PTC•225	•	•	•	•	•	•	•	•	•	•	•	•	•		•
MWG	Primus 25	•	•	•	•											
	Primus 96	•	•	•	•	•	•	•	•	•	•		•	•		
	Primus 384															•
Oncor	Crocodile III	•	•	•	•	•	•	•	•	•	•		•			
Operon	OPR•PCR96	•	•			•	•	•	•	•	•	•	•	•		
Perkin Elmer	480			•	•											
	2400	•	•			•	•	•								
	2700	•	•	•	•	•	•	•	•	•			•	•	•	
	9600	•	•			•	•	•	•	•	•		•	•	•	
	9700	•	•	•	•	•	•	•	•	•	•		•	•	•	•
	Dual 384															•
Stratagene	RoboCycler 40			•	•											
	RoboCycler 96	•	•			•	•	•	•	•	•	•		•		
Takara	TP240	•	•					•								
	TP3000	•	•			•	•	•	•	•	•	•	•	•		
Techne	Techgene	•	•	•	•											
	Touchgene	•	•	•	•	•	•	•	•	•	•	•	•	•		
	Cyclogene	•	•	•	•	•	•	•	•	•	•	•	•	•		
	Genius	•	•	•	•	•	•	•	•	•	•	•	•	•		•
	Genius Quad	•	•	•	•	•	•	•	•	•	•	•	•	•		•
Thermolyne	Amplitron II	•	•	•	•	•	•	•	•	•			•	•		

ClikLok™ Microcentrifuge Tube Family

T330
Microcentrifuge Tube

- Extra clarity for better visual inspection
- Boil-proof design
- Ultra rugged walls made for high speed centrifugation
- Unique ClickLok™ sealing mechanism
- Made of highest purity polypropylene



All Microcentrifuge tubes have a super clear highly polished surface for better viewing of contents.

Made of polypropylene

These 0.6 ml and 1.5 ml graduated rugged tubes are made of laboratory grade polypropylene suitable to withstand the stress of high speed centrifugation up to 20,000g. The one-piece construction incorporates a snug fitting and reliable attached cap even with prolonged boiling. For maximum sample recovery, the tube interior is highly polished. The bottom is reinforced for added protection against leakage. Maximum clarity for visual sample inspection. A frosted writing surface on closure and side of tube allows for easy and convenient sample identification. Highly polished interior ensures low liquid retention. Available in 4 colors. Packaged in tamperproof resealable safety-lock bags.

Cat. #	Color	Volume	Qty/Pk	Qty/Cs
T330-6N	Natural	0.6 ml	500	5000
T330-6B*	Blue	0.6 ml	500	5000
T330-6G*	Green	0.6 ml	500	5000
T330-6Y*	Yellow	0.6 ml	500	5000

*Available on request only. Minimum quantities apply. Please enquire for more details.

Cat. #	Color	Volume	Qty/Pk	Qty/Cs
T330-7N	Natural	1.5 ml	500	5000
T330-7B	Blue	1.5 ml	500	5000
T330-7G	Green	1.5 ml	500	5000
T330-7Y	Yellow	1.5 ml	500	5000

T330-5N
EconoTube™

Made of polypropylene

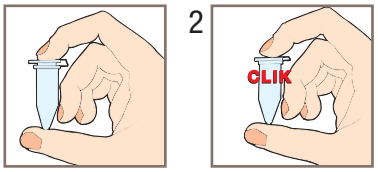
The least expensive Microcentrifuge Tube for all applications including storage and reactions (except boiling), this tube has the same features and benefits mentioned above.

Cat. #	Color	Volume	Qty/Pk	Qty/Cs
T330-5N	Natural	1.5 ml	500	5000

Microcentrifuge Tubes

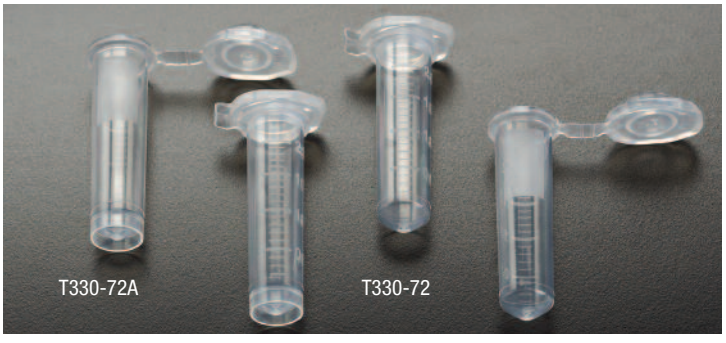
Tubes on this page are certified RNase-, DNase-, Pyrogen- and DNA-free

All Simport Microcentrifuge tubes offer a CLIKLOK™ seal especially designed to reduce popping where freezing, boiling, storing or shipping is required. This superior quality CLIKLOK™ system works in two stages:



1. If only spinning is to be done, a slight push of the cap over the tube is required.
2. For a complete seal, press further on snap cap until a CLICK is heard.

T330-72, 72A
2 ml Microcentrifuge Tube



Made of polypropylene

These 2 ml Microcentrifuge tubes offer a special locking clasp to produce a more secure closure. This will help to prevent tubes from opening during centrifugation, boiling, storing, freezing and shipping. They are graduated at 0.5, 1.0 and 1.5 ml. They are autoclavable to 121 °C. Pierceable lid. Etched surface on side of tube for sample identification.

Conical bottom 2 ml Microcentrifuge tubes

Cat. #	Color	Qty/Pk	Qty/Cs
T330-72N	Natural	500	5000
T330-72B*	Blue	500	5000
T330-72G*	Green	500	5000
T330-72Y*	Yellow	500	5000

Self-standing conical bottom 2 ml Microcentrifuge tubes

Cat. #	Color	Qty/Pk	Qty/Cs
T330-72AN	Natural	500	5000
T330-72AB*	Blue	500	5000
T330-72AG*	Green	500	5000
T330-72AY*	Yellow	500	5000

*Available on request only. Minimum quantities apply. Please enquire for more details.

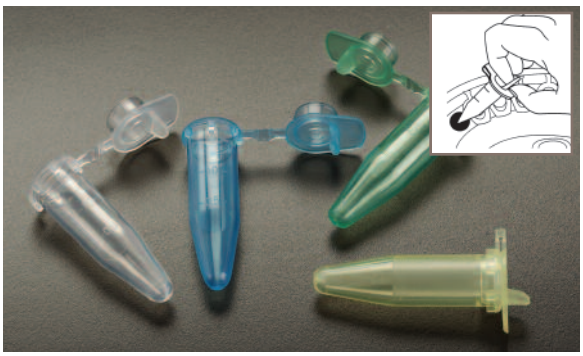
T330LST

Low Surface Tension Microcentrifuge Tubes

Made of polypropylene

The special type of plastic used provides these tubes with a low adhesion surface and optimum sample yield. No lubricant (such as silicone) is necessary, thereby eliminating the danger of sample contamination. It is also graduated and designed to withstand the stress of high speed centrifugation up to 20,000g. One-piece construction with snug fitting attached cap and reinforced tube bottom for added protection against leakage. Tubes are autoclavable to 121 °C. Packaged in tamperproof resealable safety-lock bags.

Cat. #	Color	Volume	Qty/Pk	Qty/Cs
T330-6LST	Natural	0.6 ml	500	5000
T330-7LST	Natural	1.5 ml	500	5000
T330-8LST	Natural	1.5 ml	500	5000
T330-72LST	Natural	2 ml	500	5000



T330-8

Microcentrifuge Tube with Pick-Up Tab

Made of polypropylene

This series of tubes has all the fine features of the T330-7 series, but the tube also incorporates a convenient pick-up tab for easier handling without actually touching the tube. Available in four different colors.

Cat. #	Color	Volume	Qty/Pk	Qty/C
T330-8N	Natural	1.5 ml	500	5000
T330-8B*	Blue	1.5 ml	500	5000
T330-8G*	Green	1.5 ml	500	5000
T330-8Y*	Yellow	1.5 ml	500	5000

*Available on request only. Minimum quantities apply. Please enquire for more details.

MICROCENTRIFUGE TUBES

Tubes on this page are certified RNase-, DNase-, Pyrogen- and DNA-free

T330-15

Microcentrifuge Tube with Locking Cap

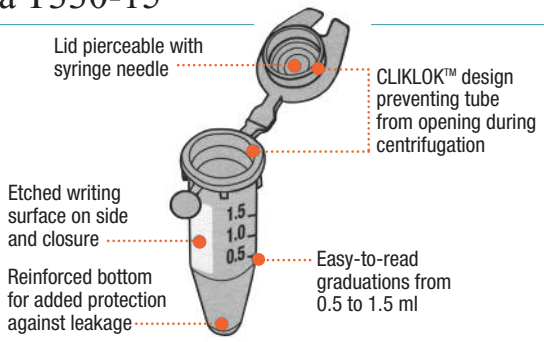
Made of polypropylene

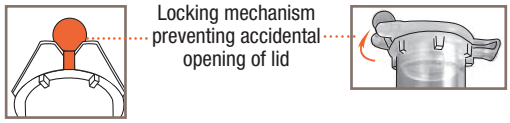
These Secure-Lock™ microcentrifuge tubes offer a special locking system which can be bent upward to lock on the cap, ensuring extra protection during critical steps such as boiling, freezing, centrifugation and shipping. Tubes are graduated at 0.5, 1.0 and 1.5 ml. Lids can be pierced easily with a syringe needle. Etched surface on side of tube for sample identification. Can be used at extreme temperatures from -175 °C to +121 °C. Autoclavable. Maximum centrifugation RCF: 20,000g. Packaged in tamperproof resealable safety-lock bags of 500 tubes.

Cat. #	Color	Qty/Pk	Qty/Cs
T330-15N	Natural	500	5000
T330-15B*	Blue	500	5000
T330-15G*	Green	500	5000
T330-15Y*	Yellow	500	5000

*Available on request only. Minimum quantities apply. Please enquire for more details.

Anatomy of a T330-15





T331-10

Microcentrifuge Tube with **SECURE-LOCK™**

Made of polypropylene

These Secure-Lock™ microcentrifuge tubes offer a special locking clasp to produce a more secure closure. This will help to prevent tubes from opening during centrifugation, boiling, storing, freezing and shipping. They are graduated at 0.5, 1.0 and 1.5 ml. They are autoclavable to 121 °C. Pierceable lid. Etched surface on side of tube for sample identification.

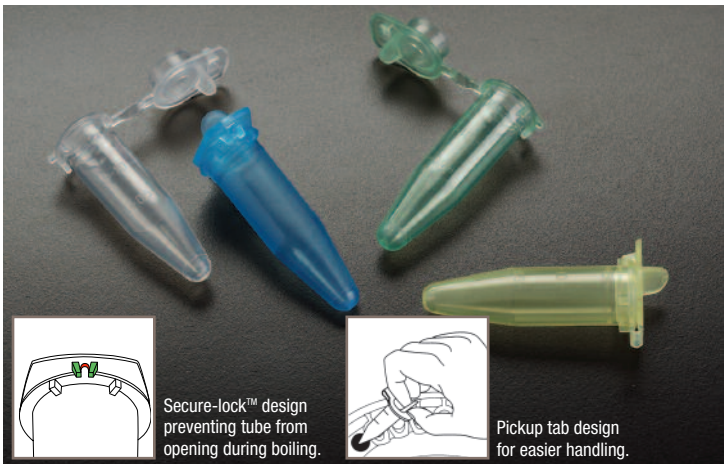
Cat. #	Color	Qty/Pk	Qty/Cs
T331-10N	Natural	500	5000
T331-10B*	Blue	500	5000
T331-10G*	Green	500	5000
T331-10Y*	Yellow	500	5000

*Available on request only. Minimum quantities apply. Please enquire for more details.

Tubes on this page are certified RNase-, DNase-, Pyrogen- and DNA-free

T331-20

Microcentrifuge Tube with Pick-Up Tab and **SECURE-LOCK™**



Made of polypropylene

This tube is a combination of series T330-8 and T331-10 microcentrifuge tubes giving it the best of both: a pick-up tab for easier handling without actually touching the tube, and a Secure-Lock to help prevent tubes from opening during centrifugation, shipping, boiling or freezing. Graduated at 0.5, 1 and 1.5 ml. Autoclavable to 121 °C. Pierceable lid. Etched surface on side for sample identification.

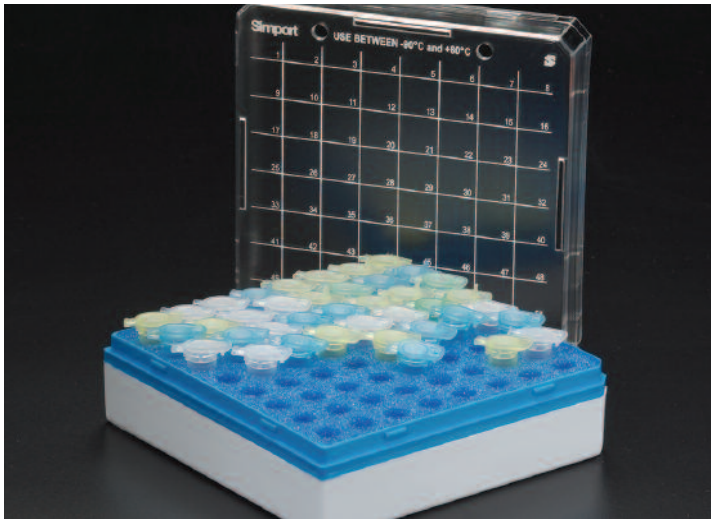
Cat. #	Color	Qty/Pk	Qty/Cs
T331-20N	Natural	500	5000
T331-20B*	Blue	500	5000
T331-20G*	Green	500	5000
T331-20Y*	Yellow	500	5000

*Available on request only. Minimum quantities apply. Please enquire for more details.

MICROCENTRIFUGE TUBES

T330-64

Microcentrifuge Tube Storage Box



Made of high impact polystyrene

This microcentrifuge tube storage box with a polyurethane foam insert is ideal for holding up to 64 tubes from 0.5 ml to 2 ml. It should be used within a temperature range of -90 °C to 80 °C.

A transparent cover allows you to see the contents of the box, and is keyed to the base in order to prevent misalignment. To improve your inventory control, you can write with a marker pen on the cover surface which is pre-printed with a series of squares (numbered from 1 to 64). You can also save space by stacking these boxes in freezers, refrigerators and on lab counters.

Cat. #	Qty/Pk	Qty/Cs
T330-64	4	24

Micrewtube® Family

A TUBE FOR EVERY APPLICATION

A Simport MICREWTUBE® has a multitude of applications around your lab. It is ideal for freezer storage, boiling application, centrifugation etc. and will fit most standard microcentrifuge rotors.

Six styles of caps to choose from, and three sizes of conical bottom or self-standing tubes (0.5 ml, 1.5 ml and 2 ml).

The cap is molded with a deep internal lip that fits snugly against the interior wall of the tube thus preventing the contents from coming in contact with the seal or threads, thereby reducing the chances of sample contamination. The cap's high profile facilitates manipulation especially in aseptic procedures and can remain attached (T332 & T336 Series) to the tube in order to eliminate mix-ups. All tubes and closures are manufactured in a clean environment.

Tubes and screw caps are made of heavy wall construction and are built to last. Non skirted tubes withstand high speed centrifugation up to 17,000g. In the O-ring version, tubes and caps are made of polypropylene while in the lip seal version, tubes are made of polypropylene and caps are made of high density polyethylene. They are available in sterile and non sterile format.

Low adhesion Micrewtubes Series T341TLST ar also available. The specially formulated polypropylene used to manufacture these tubes provides a low adhesion surface to obtain maximum sample yield.

Total length with cap: 47 mm. Outside diameter of cap: 13 mm, Height of cap: 8.5 mm

All sterile tubes are gamma irradiated and packaged in tamperproof, resealable bags to protect remaining tubes from contamination. They are identified in the list with an "S" after the catalog number. Sterile tubes are also available with graduations and a white marking area for sample identification. They are identified in the list with an "SPR" after the catalog number.

Note: The 0.5 and 2.0 ml. self-standing Micrewtube® cannot be used directly in certain fixed angle microcentrifuges. Please check to ensure there is sufficient clearance between bottom of tube and rotor chamber wall during centrifugation. Test at full speed with water in a capped tube.

WARNING: Do not use Micrewtubes for storage in the liquid phase of liquid nitrogen. Such use may cause entrapment of liquefied nitrogen inside the vial and lead to pressure build-up resulting in possible explosion or biohazard release. Use appropriate safety procedures when handling and disposing of vials.

For your peace of mind
A new era in sample protection
Simport introduces the new
Tamper Evident Micrewlock™ Family

For applications needing
the utmost security
where sample integrity
is of high importance:

- As a safer transport tube
- For secure short and long term storage
- As a tamper evident cryogenic vial
- In clinical trials
- As a tube containing expensive reagents in diagnostic kits

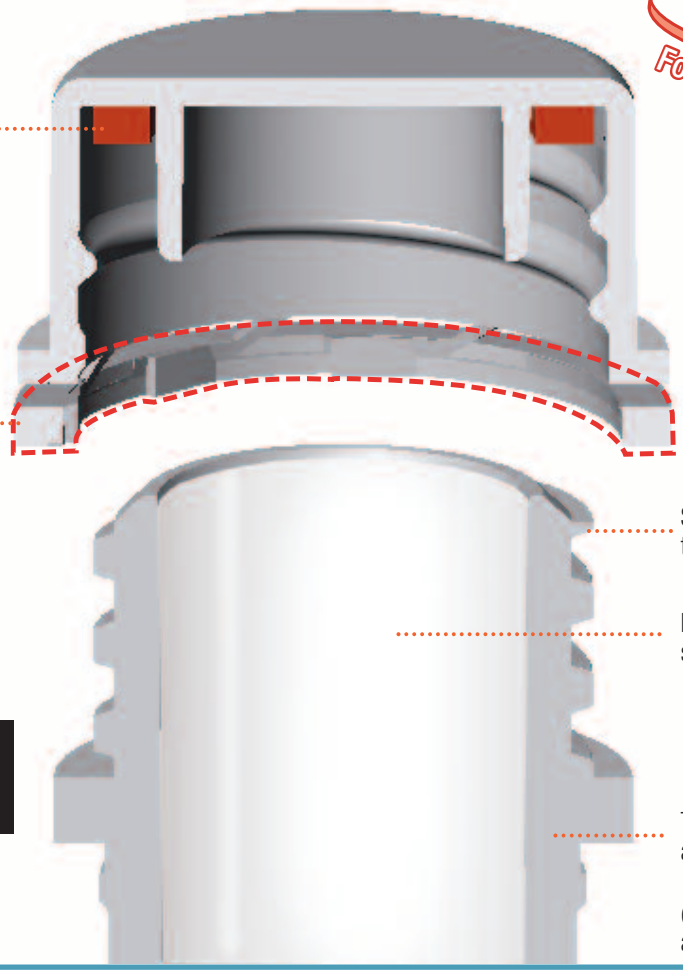
Anatomy of a Tamper Evident Micrewtube®

Better be safe than sorry!
TAMPER EVIDENT
For your sample protection

Available with specially designed economical silicone washer for a more secure and positive leakproof seal

Innovative tamper-evident locking ring for better protection of contents

Tubes and caps in the Micrewtube® Family are certified RNase, DNase, DNA and Pyrogen free



Super fast 1¼ turn thread design

Excellent clarity makes sample easy to see

Thick wall makes tube almost unbreakable

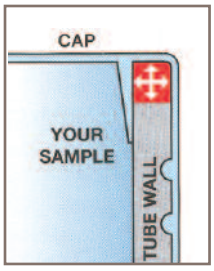
Cap and tube are made of autoclavable polypropylene

MicrewLock™

Made of polypropylene

At last, a TAMPER EVIDENT microcentrifuge tube incorporating all the features and benefits of the Simport MICREWTUBE® Family. Ideal for all applications requiring a tamper evident seal, a Simport tamperproof MICREWTUBE® also has a multitude of benefits when used in your lab. It is ideal for freezer storage, boiling applications, centrifugation etc.. and will fit most standard microcentrifuge rotors.

Simply screw the cap on the tube and the tamper evident sealing ring is automatically in place. When unscrewed, the ring is detached from the tube and remains in its position, showing clearly that the tube was opened. The flat cap facilitates manipulation especially in aseptic procedures. It does not incorporate an attachment loop for users who prefer to remove it completely from the tube when filling or sampling. The O-ring secured in the cap ensures a positive leakproof seal, time after time, keeping the integrity of small samples under even the most adverse conditions. The Tamper Evident Micrewtube is available in various sterile and non sterile configurations. The tubes are available non-printed or printed with graduations and white marking area for sample identification. Conical bottom tubes can be centrifuged up to 20,000g. All tubes are gamma irradiated and packaged in tamperproof resealable bags to protect remaining tubes from contamination. Sterile tubes are also available with printed graduations and white marking area for sample identification. Tubes and caps are also available separately.



The sample remains secure thanks to the sealing ring enclosed on all four of its sides.

As the cap is tightened, the sealing ring is compressed and tries to find a gap to move into. As there is no gap, the more you tighten, the better the seal, so a strong and tight closure is created.

Available with or without graduations and oversized marking area

All microcentrifuge tubes in the MicrewLock™ Family have a super clear highly polished surface for better viewing of contents.

The Simport Tamper Evident Micrewlock™ Family

T341TP

Tamper Evident **Micrewtube®** (Tube only)

Made of polypropylene

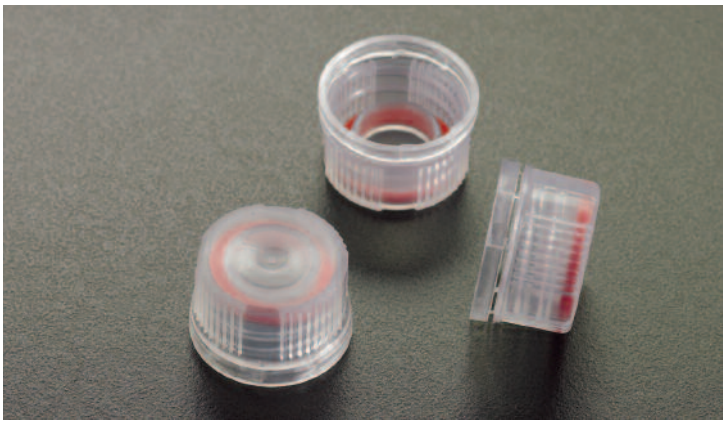
These tubes are specially made to be used with tamperproof caps. Available in plain or graduated configuration, the latter being provided with a white marking area for sample identification. Can be used at extreme temperatures from -196 °C to +121 °C.

Maximum centrifugation RCF: 20,000g. (conical bottom tubes only)

Dimensions: 44 mm H x 11 mm dia.

Plain Cat. #	Graduated Cat. #	Style	Volume (ml)	Qty/Pk
T341-2TTP	T341-2TPRTP	Self-standing	0.5	1000
T341-4TTP	T341-4TPRTP	Self-standing	1.5	1000
T341-5TTP	T341-5TPRTP	Without skirt	1.5	1000
T341-6TTP	T341-6TPRTP	Self-standing	1.8	1000
T341-7TTP	T341-7TPRTP	Without skirt	1.8	1000

Micrewlock™



Other packaging configurations available. See page 108

T340TP

Tamper Evident Screw Cap with O-ring Seal & Flat Top (Cap only)

Made of polypropylene

The cap is molded with a deep internal lip that fits snugly against the interior wall of the tube. It will prevented the contents from coming in contact with the seal or threads, thereby reducing the chances of sample contamination. The cap's high profile facilitates manipulation especially in aseptic procedures. All tubes and closures are manufactured in a clean environment.

Cat. #	Color*	Qty/Pk
T340NOSFTTP	Natural	1000

* The following colors are available on special order: blue, green, lilac, red, yellow, and white. Please contact a customer service representative for further details.

How does it work ?

Screw Tamper Evident cap on tube until locking ring clicks over serrated tube neck.

Contents are now protected until Tamper Evident cap is removed.

When unscrewing the cap, the Tamper Evident locking ring is detached and freed from closure.

View of separate components of a Tamper Evident Micrewtube® after use.

NEW

SnapTwist™ Micrewtube®

Tube made of polypropylene
Cap made of polyethylene

The SnapTwist Micrew™ provides all the advantages of a modern microcentrifuge tube with screw cap but the SNAPTWIST® closure is a true time saver. The SnapTwist Micrew™ has a multitude of applications around your lab. It is ideal for freezer storage, boiling application, centrifugation etc, and will fit most standard microcentrifuge rotors.

The tubes can be securely sealed by simply capping the closures on. Removal of caps requires an easy 1/4 turn (twist). The ease with which these caps can be manipulated eliminates the danger of spillage associated with other push-on/pull-off caps. The deep internal lip of the cap fits snugly against the interior wall of the tube preventing the contents from coming in contact with the threads, thus reducing the chances of sample contamination. The quality of the sealing system is such that it is not necessary to tighten the closure with pressure to achieve a leakproof seal.

This series of tubes is not available with graduations but caps are supplied with attachment loops in order to prevent contamination and mix-up. Caps cannot be autoclaved since they are made of high density polyethylene. Conical bottom tubes can be centrifuged up to 20,000g. Temperature range: -90 °C to +100 °C

T345 CapInserts™ are available for a multitude of Simport products. For more details and colors available please refer to page 111.

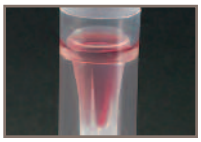
SnapTwist™

Tubes and caps in the Micrewtube® Family are certified RNase, DNase, DNA and Pyrogen free

Two types of caps available.
The one with attached loop helps avoid mix-ups and possible contamination.

Tubes

Cat. #	Description	Volume	Qty/Pk
T342-4T	Self-Standing	1.5 ml	1000
T342-5T	Conical Bottom	1.5 ml	1000
T342-6T	Self-Standing	1.8 ml	1000
T342-7T	Conical Bottom	1.8 ml	1000



All microcentrifuge tubes in the SnapTwist™ Family have a super clear highly polished surface for better viewing of contents.

Caps

Cat. #	Description	Color	Qty/Pk
T343NLS	Without Loop	Natural	1000
T343BLS	Without Loop	Blue	1000
T343GLS	Without Loop	Green	1000
T343LLS	Without Loop	Lilac	1000
T343RLS	Without Loop	Red	1000
T343YLS	Without Loop	Yellow	1000
T343WLS	Without Loop	White	1000

The vial can be securely sealed by simply snapping the cap on.

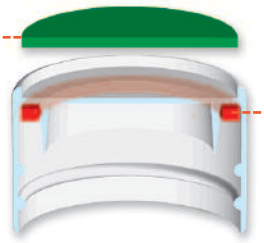
Cat. #	Description	Color	Qty/Pk
T343NLSL	With Loop	Natural	1000
T343BLSL	With Loop	Blue	1000
T343GLSL	With Loop	Green	1000
T343LLSL	With Loop	Lilac	1000
T343RLSL	With Loop	Red	1000
T343YLSL	With Loop	Yellow	1000
T343WLSL	With Loop	White	1000

Removal of cap requires an easy 1/4 turn (twist).

Anatomy of a Standard Micrewtube®

A Capinsert™ (see T345 on page 111) can be inserted on top of closure for sample identification

Available with specially designed lip seal and silicone O-ring for a more secure and positive leakproof seal



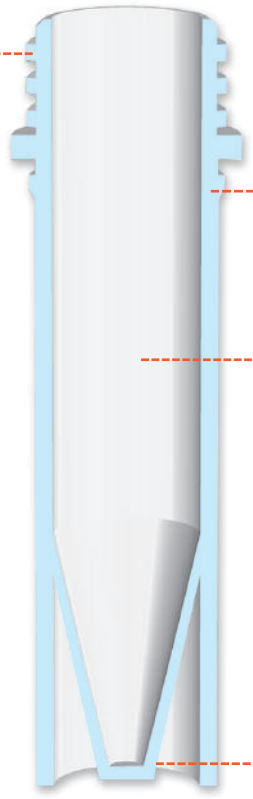
Super fast 1¼ turn thread design

Can withstand high speed centrifugation up to 20,000g (conical bottom tubes only)

Made of autoclavable polypropylene

Thick wall makes tube almost unbreakable

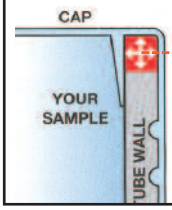
Excellent see-through clarity



- Available with or without graduations
- Oversized marking area

Self-standing tubes have a unique locking base for use with Series T360 OneHand™ Microtube Rack (page 112).

Also available with attachment loop to prevent mix-up of caps, avoiding contamination between samples.



On O-ring seal caps, samples remain secure thanks to the sealing washer being enclosed on all four of its sides.

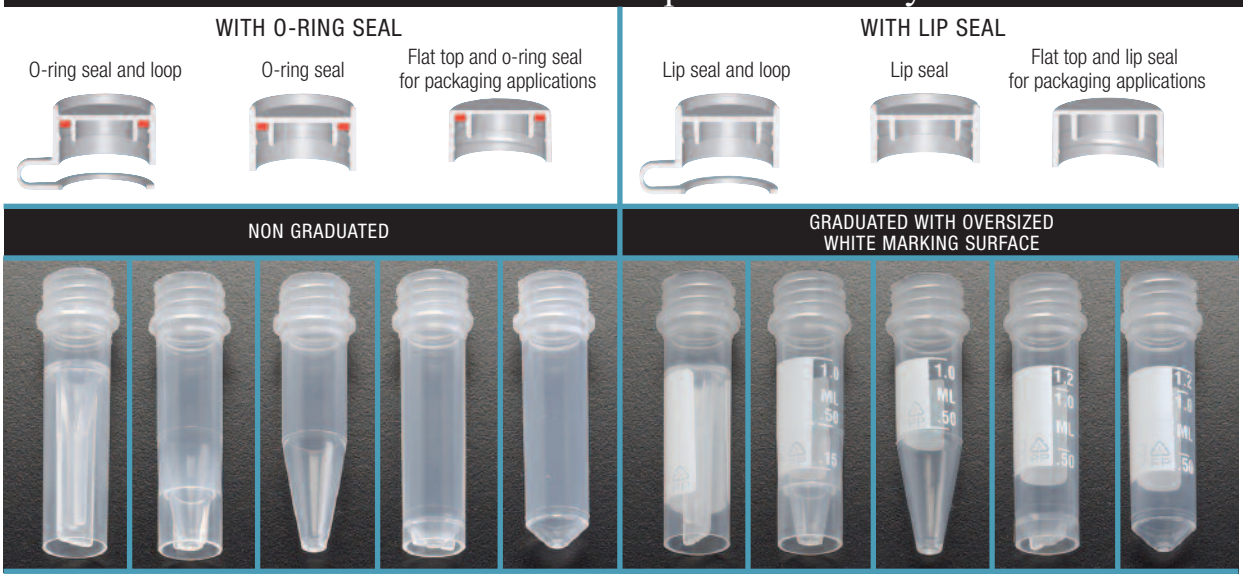
As the cap is tightened, the sealing ring is compressed and tries to find a gap to move into. As there is no gap, the more you tighten, the better the seal, so a strong and tight closure is created.

Micrewtube®

To protect samples from light, brown tubes are also available. See page 110

Tubes and caps in the Micrewtube® Family are certified RNase, DNase, DNA and Pyrogen free

A wide choice of tubes and caps to fulfill all your needs



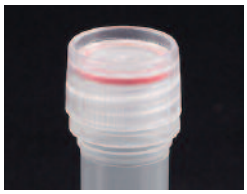
MICREWTUBE® WITH O-RING SEAL SCREW CAP

T332 With O-ring Seal Screw Cap and Attachment Loop

Made of polypropylene

The O-ring secured in the top of the cap ensures a positive leakproof seal, time after time, keeping the integrity of small samples under even the most adverse conditions. This series of tubes is available either plain or with printed graduations and white marking area for sample identification. Caps are supplied with attachment loops, and allow them to remain attached to the tube in order to prevent mix-up and contamination. These microcentrifuge tubes have all the other fine features stated in the general description. Perfect for cryogenic work. Non skirted tubes can be centrifuged up to 20,000g.Will withstand temperatures from -196 °C to +121 °C.

T334 With O-Ring Seal Screw Cap



Made of polypropylene

Similar to the T332 Series but without the “tethered cap” feature. This series of tubes is available either plain or with printed graduations and white marking area for sample identification. The caps do not have the attachment loops for users who prefer to remove the caps completely from the tubes when filling or sampling. These microcentrifuge tubes have all the other fine features stated in the general description. Perfect for cryogenic work. Non skirted tubes can be centrifuged up to 20,000g. Will withstand temperatures from -196 °C to +121 °C.

MICREWTUBE®

Tubes and caps in the Micrewtube® Family are certified RNase, DNase, DNA and Pyrogen free

T335 With O-ring Seal and Flat Screw Cap

Made of polypropylene

This series of tubes is also available either plain or with printed graduations and white marking area for sample identification. O-ring seal screw caps are unattached but incorporate a flat top which provides a writing surface. These flat surfaced caps can be used with automatic capping machines in packaging industries. Closures are supplied in natural color. Perfect for cryogenic work. Non skirted tubes can be centrifuged up to 20,000g. Will withstand temperatures from -196 °C to +121 °C.

MICREWTUBE® WITH LIP SEAL SCREW CAP

T336 With Lip Seal Screw Cap and Attachment Loop

Made of polypropylene
Cap made of polyethylene

The flexible sealing lip inside the cap ensures a positive leakproof seal under even the most adverse conditions. This deep internal lip fits snugly against the interior wall of the tube preventing the contents from coming in contact with the threads, thus reducing the chances of sample contamination. This series of tubes is available either plain or with printed graduations and white marking area for sample identification. Caps are supplied with attachment loops in order to prevent contamination and mix-up. These microcentrifuge tubes have all the other fine features stated in the introduction page, but cannot be autoclaved since closure is made of high density polyethylene. Non skirted tubes can be centrifuged up to 20,000g. Will withstand temperatures from -196 °C to +110 °C.

T338 With Lip Seal Screw Cap

Made of polypropylene
Cap made of polyethylene

Similar to the T336 Series but without the "tethered cap" feature. This series of tubes is available either plain or with printed graduations and white marking area for sample identification. They have all the other fine features of the T336 series of tubes, but the caps are not supplied with the attachment loop for users who prefer to remove the caps completely from the tubes when filling or sampling. Cannot be autoclaved since closure is made of high density polyethylene. Non skirted tubes can be centrifuged up to 20,000g. Will withstand temperatures from -196 °C to +110 °C.

MICREWTUBE®

Tubes and caps in the Micrewtube® Family are certified RNase, DNase, DNA and Pyrogen free

T339 With Lip Seal and Flat Screw Cap

Made of polypropylene
Cap made of polyethylene

This series of tubes is available either plain or with printed graduations and white marking area for sample identification. Lip seal screw caps are unattached but incorporate a flat top which provides a writing surface. These flat surfaced tubes can also be used with automatic capping machines and in packaging industries. Closures are supplied in natural color. Tubes are made of polypropylene while polyethylene caps are easy to screw on and off. More economical than T335 Series O-ring seal model. Cannot be autoclaved since closure is made of high density polyethylene. Non skirted tubes can be centrifuged up to 20,000g. Will withstand temperatures from -196 °C to +110 °C.

Selection chart

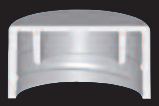
	Tamperproof Screw Cap With O-ring seal and flat top		With O-ring seal and attachment loop		With O-ring seal	
Self-standing 0.5 ml	T335-2TP Non sterile	Cap not assembled and Non graduated	T332-2 Non sterile	Cap loops are pre-attached but caps are not screwed on and Non graduated	T334-2 Non sterile	Cap not assembled and Non graduated
	T335-2STP Sterile	Caps are slightly screwed on and Non graduated	T332-2S Sterile	Pre-attached caps are screwed on and Non graduated	T334-2S Sterile	Caps are screwed on and Non graduated
	T335-2SPRTP Sterile	Caps are slightly screwed on, white marking area and graduations	T332-2SPR Sterile	Pre-attached caps are screwed on, white marking area and graduations	T334-2SPR Sterile	Caps are screwed on, white marking area and graduations
Self-standing 1.5 ml	T335-4TP Non sterile	Cap not assembled and Non graduated	T332-4 Non sterile	Cap loops are pre-attached but caps are not screwed on and Non graduated	T334-4 Non sterile	Cap not assembled and Non graduated
	T335-4STP Sterile	Caps are slightly screwed on and Non graduated	T332-4S Sterile	Pre-attached caps are screwed on and Non graduated	T334-4S Sterile	Caps are screwed on and Non graduated
	T335-4SPRTP Sterile	Caps are slightly screwed on, white marking area and graduations	T332-4SPR Sterile	Pre-attached caps are screwed on, white marking area and graduations	T334-4SPR Sterile	Caps are screwed on, white marking area and graduationss
Without skirt 1.5 ml	T335-5TP Non sterile	Cap not assembled and Non graduated	T332-5 Non sterile	Cap loops are pre-attached but caps are not screwed on and Non graduated	T334-5 Non sterile	Cap not assembled and Non graduated
	T335-5STP Sterile	Caps are slightly screwed on and Non graduated	T332-5S Sterile	Pre-attached caps are screwed on and Non graduated	T334-5S Sterile	Caps are screwed on and Non graduated
	T335-5SPRTP Sterile	Caps are slightly screwed on, white marking area and graduations	T332-5SPR Sterile	Pre-attached caps are screwed on, white marking area and graduations	T334-5SPR Sterile	Caps are screwed on, white marking area and graduations
Self-standing 1.8 ml	T335-6TP Non sterile	Cap not assembled and Non graduated	T332-6 Non sterile	Cap loops are pre-attached but caps are not screwed on and Non graduated	T334-6 Non sterile	Cap not assembled and Non graduated
	T335-6STP Sterile	Caps are slightly screwed on and Non graduated	T332-6S Sterile	Pre-attached caps are screwed on and Non graduated	T334-6S Sterile	Caps are screwed on and Non graduated
	T335-6SPRTP Sterile	Caps are slightly screwed on, white marking area and graduations	T332-6SPR Sterile	Pre-attached caps are screwed on, white marking area and graduations	T334-6SPR Sterile	Caps are screwed on, white marking area and graduations
Without skirt 1.8 ml	T335-7TP Non sterile	Cap not assembled and Non graduated	T332-7 Non sterile	Cap loops are pre-attached but caps are not screwed on and Non graduated	T334-7 Non sterile	Cap not assembled and Non graduated
	T335-7STP Sterile	Caps are slightly screwed on and Non graduated	T332-7S Sterile	Pre-attached caps are screwed on and Non graduated	T334-7S Sterile	Caps are screwed on and Non graduated
	T335-7SPRTP Sterile	Caps are slightly screwed on, white marking area and graduations	T332-7SPR Sterile	Pre-attached caps are screwed on, white marking area and graduations	T334-7SPR Sterile	Caps are screwed on, white marking area and graduations

PACKAGING INFORMATION

	Qty/Pk	Qty/Cs
Non-Sterile	-	1000
Sterile	50	500

	Qty/Pk	Qty/Cs
Non-Sterile	-	1000
Sterile	50	500

	Qty/Pk	Qty/Cs
Non-Sterile	-	1000
Sterile	50	500

With o-ring seal and flat top		With lip seal and attachment loop		With lip seal		 With lip seal and flat top	
T335-2 Non sterile	Caps not assembled and Non graduated	T336-2 Non sterile	Cap loops are pre-attached but caps are not screwed on and Non graduated	T338-2 Non sterile	Caps are not assembled and Non graduated	T339-2 Non sterile	Caps not assembled and Non graduated
T335-2S Sterile	Caps are screwed on and Non graduated	T336-2S Sterile	Pre-attached caps are screwed on and Non graduated	T338-2S Sterile	Caps are screwed on and Non graduated	T339-2S Sterile	Caps are screwed on and Non graduated
T335-2SPR Sterile	Caps are screwed on, white marking area and graduations	T336-2SPR Sterile	Pre-attached caps are screwed on, white marking area and graduations	T338-2SPR Sterile	Caps are screwed on, white marking area and graduations	T339-2SPR Sterile	Caps are screwed on, white marking area and graduations
T335-4 Non sterile	Caps not assembled and Non graduated	T336-4 Non sterile	Cap loops are pre-attached but caps are not screwed on and Non graduated	T338-4 Non sterile	Caps are not assembled and Non graduated	T339-4 Non sterile	Caps not assembled and Non graduated
T335-4S Sterile	Caps are screwed on and Non graduated	T336-4S Sterile	Pre-attached caps are screwed on and Non graduated	T338-4S Sterile	Caps are screwed on and Non graduated	T339-4S Sterile	Caps are screwed on and Non graduated
T335-4SPR Sterile	Caps are screwed on, white marking area and graduations	T336-4SPR Sterile	Pre-attached caps are screwed on, white marking area and graduations	T338-4SPR Sterile	Caps are screwed on, white marking area and graduations	T339-4SPR Sterile	Caps are screwed on, white marking area and graduations
T335-5 Non sterile	Caps not assembled and Non graduated	T336-5 Non sterile	Cap loops are pre-attached but caps are not screwed on and Non graduated	T338-5 Non sterile	Caps are not assembled and Non graduated	T339-5 Non sterile	Caps not assembled and Non graduated
T335-5S Sterile	Caps are screwed on and Non graduated	T336-5S Sterile	Pre-attached caps are screwed on and Non graduated	T338-5S Sterile	Caps are screwed on and Non graduated	T339-5S Sterile	Caps are screwed on and Non graduated
T335-5SPR Sterile	Caps are screwed on, white marking area and graduations	T336-5SPR Sterile	Pre-attached caps are screwed on, white marking area and graduations	T338-5SPR Sterile	Caps are screwed on, white marking area and graduations	T339-5SPR Sterile	Caps are screwed on, white marking area and graduations
T335-6 Non sterile	Caps not assembled and Non graduated	T336-6 Non sterile	Cap loops are pre-attached but caps are not screwed on and Non graduated	T338-6 Non sterile	Caps are not assembled and Non graduated	T339-6 Non sterile	Caps not assembled and Non graduated
T335-6S Sterile	Caps are screwed on and Non graduated	T336-6S Sterile	Pre-attached caps are screwed on and Non graduated	T338-6S Sterile	Caps are screwed on and Non graduated	T339-6S Sterile	Caps are screwed on and Non graduated
T335-6SPR Sterile	Caps are screwed on, white marking area and graduations	T336-6SPR Sterile	Pre-attached caps are screwed on, white marking area and graduations	T338-6SPR Sterile	Caps are screwed on, white marking area and graduations	T339-6SPR Sterile	Caps are screwed on, white marking area and graduations
T335-7 Non sterile	Caps not assembled and Non graduated	T336-7 Non sterile	Cap loops are pre-attached but caps are not screwed on and Non graduated	T338-7 Non sterile	Caps are not assembled and Non graduated	T339-7 Non sterile	Caps not assembled and Non graduated
T335-7S Sterile	Caps are screwed on and Non graduated	T336-7S Sterile	Pre-attached caps are screwed on and Non graduated	T338-7S Sterile	Caps are screwed on and Non graduated	T339-7S Sterile	Caps are screwed on and Non graduated
T335-7SPR Sterile	Caps are screwed on, white marking area and graduations	T336-7SPR Sterile	Pre-attached caps are screwed on, white marking area and graduations	T338-7SPR Sterile	Caps are screwed on, white marking area and graduations	T339-7SPR Sterile	Caps are screwed on, white marking area and graduations

	Qty/Pk	Qty/Cs
Non-Sterile	-	1000
Sterile	50	500

	Qty/Pk	Qty/Cs
Non-Sterile	-	1000
Sterile	50	500

	Qty/Pk	Qty/Cs
Non-Sterile	-	1000
Sterile	50	500

	Qty/Pk	Qty/Cs
Non-Sterile	-	1000
Sterile	50	500

T341T
MICREWTUBE®

Made of polypropylene

These tubes are specially made to be used with tamperproof caps. Available in plain or graduated configuration, the latter being provided with a white marking area for sample identification. Can be used at extreme temperatures from -196 °C to +121 °C.

Cat. #	Style	Volume (ml)	Qty/Pk
T341-2T	Self-standing	0.5	1000
T341-4T	Self-standing	1.5	1000
T341-5T	Without skirt	1.5	1000
T341-6T	Self-standing	1.8	1000
T341-7T	Without skirt	1.8	1000

Maximum centrifugation RCF: 20,000g.
Dimensions: 44 mm H x 11 mm dia.

T341TPR
MICREWTUBE® Graduated

Made of polypropylene

For your special needs, these tubes are identical to the T341 Series butare graduated and are provided with a white marking area for sample identification. Can be used at extreme temperatures from -196 °C to +121 °C.

Cat. #	Style	Volume (ml)	Qty/Pk
T341-2TPR	Self-standing	0.5	1000
T341-4TPR	Self-standing	1.5	1000
T341-5TPR	Without skirt	1.5	1000
T341-6TPR	Self-standing	1.8	1000
T341-7TPR	Without skirt	1.8	1000

Maximum centrifugation RCF: 20,000g. (For Non-Skirted tubes only)
Dimensions: 44 mm H x 11 mm dia.

T341TBR
MICREWTUBE®
For Light Sensitive Material

Made of polypropylene

These ungraduated tubes are identical to series T341 but their dark brown color allows them to be used when storing light-sensitive material. Can be used at extreme temperatures from -196 °C to +121 °C.

Cat. #	Style	Volume (ml)	Qty/Pk
T341-2TBR	Self-standing	0.5	1000
T341-4TBR	Self-standing	1.5	1000
T341-5TBR	Without skirt	1.5	1000
T341-6TBR	Self-standing	1.8	1000
T341-7TBR	Without skirt	1.8	1000

Maximum centrifugation RCF: 20,000g. (For Non-Skirted tubes only)
Dimensions: 44 mm H x 11 mm dia.

T341TLST
MICREWTUBE®
With Low Adhesion Surface

Made of polypropylene

Having all the advantages of our popular T341T Series, the specially formulated polypropylene used to manufacture these tubes provides a low adhesion surface to obtain maximum sample yield. Ideal for research procedures such as nucleic acid amplifications, protein work and others. No lubricants (such as silicone) necessary, thereby eliminating the danger of sample contamination. Can be used at extreme temperatures from -196 °C to +121 °C.

Cat. #	Style	Volume (ml)	Qty/Pk
T341-2TLST	Self-standing	0.5	1000
T341-4TLST	Self-standing	1.5	1000
T341-5TLST	Without skirt	1.5	1000
T341-6TLST	Self-standing	1.8	1000
T341-7TLST	Without skirt	1.8	1000

Maximum centrifugation RCF: 20,000g. (For Non-Skirted tubes only)
Dimensions: 44 mm H x 11 mm dia.

Tubes and caps in the Micrewtube® Family are certified RNase, DNase, DNA and Pyrogen free

T340 Colored Closures

Six styles of caps to choose from and two sealing types: O-ring seal and lip seal.

The cap is molded with a deep internal lip that fits snugly against the interior wall of the tube thus preventing the contents from coming in contact with the seal or threads, thereby reducing the chances of sample contamination. The cap's high profile facilitates manipulation especially in aseptic procedures and can remain attached (T332 & T336 Series) to the tube in order to eliminate mix-ups and contamination. All tubes and closures are manufactured in a clean environment.

Closures in natural color can be COLOR CODED by the use of T345 Series Colored Capinsert™ inserted on the top of the closure. This is accomplished without removing the cap. Colored caps are also available in all models as listed below.

With O-RING SEAL and without loop

LIP SEAL and without loop

Cat. #	Cat. #	Color	Qty/Pk
T340 NOS	T340 NLS	Natural	1000
T340 BOS	T340 BLS	Blue	1000
T340 GOS	T340 GLS	Green	1000
T340 LOS	T340 LLS	Lilac	1000
T340 OOS	T340 OLS	Orange	1000
T340 ROS	T340 RLS	Red	1000
T340 YOS	T340 YLS	Yellow	1000
T340 WOS	T340 WLS	White	1000
T340 BROS	T340 BRLS	Brown	1000

With O-RING SEAL and loop

LIP SEAL and loop

Cat. #	Cat. #	Color	Qty/Pk
T340 NOSL	T340 NLSL	Natural	1000
T340 BOSL	T340 BLSL	Blue	1000
T340 GOSL	T340 GLSL	Green	1000
T340 LOSL	T340 LLSL	Lilac	1000
T340 OOSL	T340 OLSL	Orange	1000
T340 ROSL	T340 RLSL	Red	1000
T340 YOSL	T340 YLSL	Yellow	1000
T340 WOSL	T340 WLSL	White	1000
T340 BROSL	T340 BRLSL	Brown	1000

The following closures have a flat top to accommodate automatic capping machines in packaging industries.

With O-RING SEAL and without loop

LIP SEAL and without loop

Cat. #	Cat. #	Color	Qty/Pk
T340 NOSFT	T340 NLSFT	Natural	1000
T340 BOSFT	T340 BLSFT	Blue	1000
T340 GOSFT	T340 GLSFT	Green	1000
T340 LOSFT	T340 LLSFT	Lilac	1000
T340 OOSFT	T340 OLSFT	Orange	1000
T340 ROSFT	T340 RLSFT	Red	1000
T340 YOSFT	T340 YLSFT	Yellow	1000
T340 WOSFT	T340 WLSFT	White	1000
T340 BROSFT	T340 BRLSFT	Brown	1000

T345

Color Coding **CAPINSERT™**

Made of polypropylene

The Capinsert™ is used to color code a Micrewtube® and a multitude of other Simport products according to your specific needs. It is inserted on top of the closure and has a write-on frosted area for sample identification.

Cat. #	Color	Cat. #	Color	Qty/Pk	Qty/Cs
T345B	Blue	T345P	Pink	100	500
T345GY	Gray	T345R	Red	100	500
T345G	Green	T345V	Violet	100	500
T345L	Lilac	T345W	White	100	500
T345O	Orange	T345Y	Yellow	100	500
* Blue, lilac, red, yellow and white		T345AS	Assorted*	100	500

T360
OneHand™ Microtube Rack

Made of acetal polymer

A newly designed microtube rack that can be used all around the lab. Although one of the most attractive racks available today, it offers all the advantages required by the modern laboratory. Made of highly resistant acetal polymer, it will not shatter or stain in contact with most laboratory chemicals. No coating to worry about, which can chip, peel or rust in a water bath.

The OneHand™ Microtube Rack is compact, lightweight and stackable in order to save as much space as possible. This is why it is ideal for incubators, refrigerators, freezers, under lab hoods and on bench tops. Not only is it submersible but will also sink and maintain stability without tipping over.

The OneHand™ Microtube Rack is made of 2 tiers to facilitate the insertion and stability of microtubes. Now with one hand, you can easily unscrew just about any type of microcentrifuge tube with a screw-on closure. Thanks to an innovative locking system, the **Simport** self-standing Micrewtubes® will securely lock in each well of the base tier and will not turn. All models of microtubes made by various manufacturers will lock in the upper tier, thanks to a series of teeth grasping the collar of the microtube. Convenient handles on each side of the rack will ensure a safe grip when carrying it around. Interlocking feet allow safe stacking. Available in 5 attractive colors. Individually wrapped.

Size: 293 mm x 115 mm x 39 mm H
(11 1/2 x 4 1/2 x 1 1/2 in. H)

ONE HAND OPENING AND CLOSING OF MICROTUBES

Tubes with ribs lock in place when engaged in serrated holes.

The locking base of the OneHand™ Rack locks self standing **Simport** Micrewtubes in place.

Cat. #	Capacity	Color	Qty/Cs
T360-50B	50	Blue	10
T360-50G	50	Green	10
T360-50L	50	Lilac	10
T360-50O	50	Orange	10
T360-50Y	50	Yellow	10

A transparent lid can be placed on the OneHand™, allowing a clear view of the contents.

Cat. #	Description	Color	Qty/Cs
T361-50	Cover	Clear	10

T350
MICREWTUBE® Storage Box

Made of polycarbonate

COLOR YOUR WORLD with this 100-place MICREWTUBE® Storage Box for tubes ranging from 0.5 ml. to 2 ml (except non self-standing 1.5 ml conical bottom tubes). Made of extra strong polycarbonate, this durable storage box is designed to be used at temperatures between -196 °C and +121 °C and is autoclavable.

A transparent cover allows the user to see the contents of the box, and is keyed to the base to prevent misalignment. Printed with a series of squares (numbered from 1 to 100), the surface accepts writing with markers, for better inventory control.

Samples can be classified more easily, thanks to a series of colored bases. A choice of four popular colors is available: blue, green, red and yellow.
Size: 133 mm x 133 mm x 52 mm H (5 1/4 x 5 1/4 x 2 1/16 in. H)

Cat. No.	For Micrewtubes	Color of base	Qty/Pk	Qty/Cs
T350-100B	0.5 to 2 ml	Blue	4	24
T350-100G	0.5 to 2 ml	Green	4	24
T350-100R	0.5 to 2 ml	Red	4	24
T350-100Y	0.5 to 2 ml	Yellow	4	24

T415 & T416
Cultubes™ Sterile Culture Tubes

Made of polystyrene or polypropylene

These disposable sterile tubes can be used for most routine laboratory procedures. They are biologically inert and exempt from mold release agents. Precision molding with virgin thermoplastics ensures that our tubes will be uniform in size and shape. High resistance to breakage reduces danger in handling infectious or other potentially harmful cultures.

Transparent polystyrene tubes will withstand moderate centrifugation speeds (1400g) and temperatures to 70 °C. Translucent polypropylene tubes can be centrifuged at higher speeds (3000g) and resist temperatures from -190 °C to 120 °C.

Tubes are supplied with either a 2-position ribbed polyethylene cap (which can be left loose for aerobic work or sealed for anaerobic cultures) or without caps for general purpose work.

For individually wrapped Cultubes™ please refer to T405-1, T405-1A, T406-1 and T406-1A below.

Cat. #	Size (mm)	Material	Description	Qty/Bag	Qty/Cs
T415-2	12 x 75	Polystyrene	With cap	25	500
T415-3	12 x 75	Polystyrene	With cap	125	1000
T415-6	12 x 75	Polystyrene	Without cap	125	1000
T415-2A	12 x 75	Polypropylene	With cap	25	500
T415-6A	12 x 75	Polypropylene	Without cap	125	1000

Cat. #	Size (mm)	Material	Description	Qty/Bag	Qty/Cs
T416-2	17 x 100	Polystyrene	With cap	25	500
T416-3	17 x 100	Polystyrene	With cap	125	1000
T416-6	17 x 100	Polystyrene	Without cap	125	1000
T416-2A	17 x 100	Polypropylene	With cap	25	500
T416-6A	17 x 100	Polypropylene	Without cap	125	1000

Sterile Culture Tubes

T405 & T406
Cultubes™ Sterile Culture Tubes

Made of either polystyrene or polypropylene

For users who prefer a more compact packaging with tubes oriented horizontally. Tubes are placed in a convenient space saving plastic tray. State-of-the-art packaging keeps your tubes neatly aligned for easing manipulation.

For further details on the Cultubes, please refer to description above.

Cat. #	Size (mm)	Material	Description	Qty/Tray	Qty/Cs
T405-1	12 x 75	Polystyrene	With cap	1	500
T405-2	12 x 75	Polystyrene	With cap	25	500
T405-3	12 x 75	Polystyrene	With cap	125	1000
T405-33	12 x 75	Polystyrene	With cap	Bulk	500
T405-6	12 x 75	Polystyrene	Without cap	125	1000
T405-1A	12 x 75	Polypropylene	With cap	1	500
T405-2A	12 x 75	Polypropylene	With cap	25	500
T405-6A	12 x 75	Polypropylene	Without cap	125	1000

Cat. #	Size (mm)	Material	Description	Qty/Tray	Qty/Cs
T406-1	17 x 100	Polystyrene	With cap	1	500
T406-2	17 x 100	Polystyrene	With cap	25	500
T406-3	17 x 100	Polystyrene	With cap	125	1000
T406-33	17 x 100	Polystyrene	With cap	Bulk	500
T406-6	17 x 100	Polystyrene	Without cap	125	1000
T406-1A	17 x 100	Polypropylene	With cap	1	500
T406-2A	17 x 100	Polypropylene	With cap	25	500
T406-6A	17 x 100	Polypropylene	Without cap	125	1000

T400
Disposable Culture Tubes
NON STERILE

Made of either polystyrene or polypropylene

T400-3AAM
12 X 75 mm
polypropylene amber tube

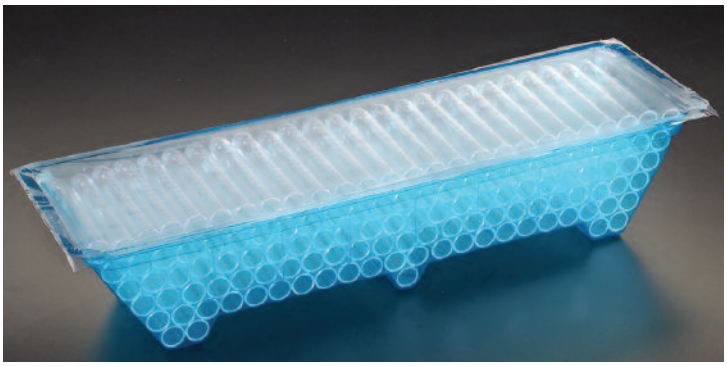
Ideal for use in bacteriology, RIA, coagulation and other routine laboratory procedures. **Simport** uses no mold release agents that could cause errors and interferences in RIA tests. Precision molding with virgin thermoplastics ensures that our tubes are uniform in size and shape as well as being chemically clean and ready to use.

The polypropylene tubes are translucent and will withstand over 3000g during centrifugation. They will also accept most common acids, solvents and alkalies at room temperature. They are almost unbreakable and can be sterilized at 120° C.

Polystyrene tubes are transparent and will withstand centrifugation speeds up to 1400g. Clear plastic guarantees no danger of glass activation during testing. Polystyrene will tolerate aqueous solutions, mild bases and weak acids, but not organic solvents, aromatic or chlorinated hydrocarbons, and cannot be autoclaved.

The T400-3ALST 12 mm x 75 mm tubes are made with a specially formulated polypropylene providing a low surface tension to obtain optimum sample yield. No lubricants have to be added, thereby eliminating the danger of sample contamination.

Culture Tubes



T400-3S & -3AS
Disposable Culture Tubes – NON STERILE

Made of either polystyrene or polypropylene

These natural color 12 x 75 mm tubes are identical to T400-3 & T400-3A but are neatly packaged with the same orientation in boxes of 125.

Cat. #	Material	Vol. (ml)	Color	Qty/Pk	Qty/Cs
T400-3S	Polystyrene	5	Natural	125	1000
T400-3AS	Polypropylene	5	Natural	125	1000

POLYPROPYLENE

12 x 75 mm tubes

Cat. #	Vol. (ml)	Color	Qty/Pk	Qty/Cs
T400-3A	5	Natural	250	1000
T400-3AAM	5	Amber	250	1000
T400-3AB	5	Blue	250	1000
T400-3AG	5	Green	250	1000
T400-3AO	5	Orange	250	1000
T400-3AY	5	Yellow	250	1000

12 x 75 mm with 2-position polyethylene snap cap

Cat. #	Vol. (ml)	Color	Qty/Cs
T400-3ADS	5	Natural	1000

12 x 75 mm with low surface tension

Cat. #	Vol. (ml)	Color	Qty/Cs
T400-3ALST	5	Natural	1000

13 x 100 mm and 17 x 100 mm tubes

Cat. #	Size (mm)	Vol. (ml)	Color	Qty/Cs
T400-4A	13 x 100	7.2	Natural	1000
T400-4AV	13 x 100	8	Natural	1000
T400-7A	16 x 100	12	Natural	1000
T400-10A	17 x 95	14	Natural	1000

POLYSTYRENE

12 x 75 mm tubes

Cat. #	Vol. (ml)	Color	Qty/Pk	Qty/Cs
T400-3	5	Natural	250	1000
T400-3B	5	Blue	250	1000
T400-3G	5	Green	250	1000
T400-3O	5	Orange	250	1000
T400-3Y	5	Yellow	250	1000

12 x 75 mm with 2-position polyethylene snap cap

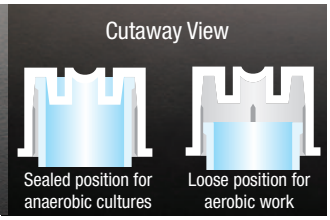
Cat. #	Vol. (ml)	Color	Write-on area	Qty/Cs
T400-3DS	5	Natural	No	1000

13 x 100 mm to 17 x 100 mm tubes

Cat. #	Size (mm)	Volume (ml)	Color	Qty/Cs
T400-4	13 x 100	7.2	Natural	1000
T400-4V	13 x 100	8	Natural	1000
T400-7	16 x 100	12	Natural	1000
T400-10	17 x 95	14	Natural	1000

T401
Caps and Stoppers

Two-Position Snap Caps



Made of polyethylene

Plug type push-in caps and 2-position snap caps are made of polyethylene for test tubes with outside diameters of 12 or 17 mm. Dual position caps offer two possibilities: the closed but unsealed position where samples are maintained aerobic for microbiological procedures; and the fully sealed position where the cap is pushed tight to seal the tube for anaerobic use or for storage, transfer and centrifuge applications.

Cat. #	For tubes	Cat. #	For tubes	Color	Qty/Bag	Qty/Cs
T401-3N	12 mm	T401-10N	17 mm	Natural	1000	4000
T401-3B	12 mm	T401-10B	17 mm	Blue	1000	4000
T401-3G	12 mm	T401-10G	17 mm	Green	1000	4000
T401-3R	12 mm	T401-10R	17 mm	Red	1000	4000
T401-3W	12 mm	T401-10W	17 mm	White	1000	4000
T401-3Y	12 mm	T401-10Y	17 mm	Yellow	1000	4000

Cat. #	For tubes made of	For tubes	Color	Qty/Bag
T401-3DSPE	Polystyrene	12 mm	Natural	1000
T401-3DSPP	Polypropylene	12 mm	Natural	1000
T401-10DSPE	Polystyrene	17 mm	Natural	1000
T401-10DSPP	Polypropylene	17 mm	Natural	1000

T402
VACUCAP™ Tube Closures

TUBE CLOSURES

Made of polyethylene

An economical way to recap blood drawing tubes, disposable glass test tubes and plastic culture tubes. Flexible VACUCAP™ closures protect from aerosols of highly infectious microorganisms. They guard samples against cross-contamination and laboratory work areas against infection and spillage. Precision molded from low-density polyethylene, with a double-flanged seal, VACUCAP™ clamps firmly on the tube. VACUCAP™ holds fast under most rigorous procedures, including centrifugation. Not suitable for autoclaving. Designed for easy-on, easy-off use, due to the exclusive Dual Thumb Tab. Cap removal is simple and quick. VACUCAP™ closure is ideal for recapping most 13 mm and 16mm O.D. evacuated glass blood collection tubes. 13 mm style can also be used on most 12 mm plastic test tubes.

Cat. #	For tubes	Color	Qty/Pk	Qty/Cs
T402-13N	13 mm	Natural	1000	6000
T402-13B	13 mm	Blue	1000	6000
T402-13G	13 mm	Green	1000	6000
T402-13GY	13 mm	Gray	1000	6000
T402-13L	13 mm	Lavender	1000	6000
T402-13R	13 mm	Red	1000	6000
T402-13Y	13 mm	Yellow	1000	6000

Cat. #	For tubes	Color	Qty/Pk	Qty/Cs
T402-16N	16 mm	Natural	1000	6000
T402-16B	16 mm	Blue	1000	6000
T402-16G	16 mm	Green	1000	6000
T402-16GY	16 mm	Gray	1000	6000
T402-16L	16 mm	Lavender	1000	6000
T402-16R	16 mm	Red	1000	6000
T402-16Y	16 mm	Yellow	1000	6000

T400-34
12 x 75 mm Tubes in Dispenser Boxes

Made of either polystyrene or polypropylene

These tubes are identical to our T400 and T400-3 but are all aligned and packaged in boxes of 250 in order to fit into stainless steel dispensers.

Cat. #	Material	Qty/Pk	Qty/Cs
T400-34	Polystyrene	250	1000
T400-34A	Polypropylene	250	1000

T403
FitsAll™ Universal Cap

Made of polyethylene

Designed for easy-on, easy-off use. Cap removal is simple and quick. FitsAll™ closure is ideal for recapping most 12 mm and 16 mm O.D. evacuated glass blood collection tubes.

Flexible FitsAll™ closures protect from aerosols of highly infectious microorganisms. They guard samples against cross-contamination and laboratory work areas against infection and spillage. Precision molded from low-density polyethylene, FitsAll™ fits firmly on the tube. FitsAll™ caps are very sturdy under most rigorous procedures, including centrifugation.

Available in 8 colors for easy sample identification. Not suitable for autoclaving.

Cat. #	For tubes	Color	Qty/Pk	Qty/Cs
T403N	12 - 16 mm	Natural	1000	10,000
T403BK	12 - 16 mm	Black	1000	10,000
T403B	12 - 16 mm	Blue	1000	10,000
T403GY	12 - 16 mm	Gray	1000	10,000
T403G	12 - 16 mm	Green	1000	10,000
T403L	12 - 16 mm	Lavender	1000	10,000
T403R	12 - 16 mm	Red	1000	10,000
T403Y	12 - 16 mm	Yellow	1000	10,000

TUBES CLOSURES

T404
Flange Plug Caps

Made of polyethylene

These caps have two flexible flanges to ensure a leakproof seal. They will fit into test tubes and also in round cuvettes and centrifuge tubes.

Cat. #	For tubes	Color	Qty/Pk	Qty/Cs
T401-4S	13 mm	Natural	1000	4000

Cat. #	For tubes	Cat. #	For tubes	Color	Qty/Pk
T404-3N	12 mm	T404-10N	16 mm	Natural	1000
T404-3B	12 mm	T404-10B	16 mm	Blue	1000
T404-3G	12 mm	T404-10G	16 mm	Green	1000
T404-3R	12 mm	T404-10R	16 mm	Red	1000
T404-3W	12 mm	T404-10W	16 mm	White	1000
T404-3Y	12 mm	T404-10Y	16 mm	Yellow	1000

T407
Pierce-It™ Closure

Made of thermoplastic elastomer

These disposable closures produce a firm, leak-resistant seal for glass and plastic tubes. They will protect samples from evaporation and contamination. They can be easily applied and removed with one hand. They can be punctured to allow through-cap sampling via closed-tube instrumentation systems. Will not interfere with most common chemistry, coagulation, and drug monitoring methodologies.

They can be stored in the refrigerator, in the freezer or at room temperature. They even withstand agitation in a test tube Vortex mixer. Two sizes, 13 and 16 mm fit a variety of tubes including glass evacuated blood drawing tubes. Will also fit 12 mm I.D. cuture tubes. Available in 8 colors for easy identification.

Cat. #	For tubes	Cat. #	For tubes	Color	Qty/Pk
T407-12BK	13 mm	T407-16BK	16 mm	Black	1000
T407-12B	13 mm	T407-16B	16 mm	Blue	1000
T407-12GY	13 mm	T407-16GY	16 mm	Gray	1000
T407-12G	13 mm	T407-16G	16 mm	Green	1000
T407-12L	13 mm	T407-16L	16 mm	Lavender	1000
T407-12R	13 mm	T407-16R	16 mm	Red	1000
T407-12W	13 mm	T407-16W	16 mm	White	1000
T407-12Y	13 mm	T407-16Y	16 mm	Yellow	1000

The flexible plastic cap can be pierced as often as needed.

T408
15 ml Centrifuge Tubes

Made of polystyrene and polypropylene

Suitable for general centrifugation, urinalysis procedures and serum separation. These conical bottom tubes are chemically clean and metal free, ready to use and uniform in size and shape, measuring 17 x 120 mm. Graduations are at 0.25, 0.5, 1.0, 2.5, 5, 10, 12 and 15 ml. Polystyrene tubes resist a centrifuge speed of 1200g while polypropylene tubes resist speeds of up to 3000g. For plug caps, see series T401.

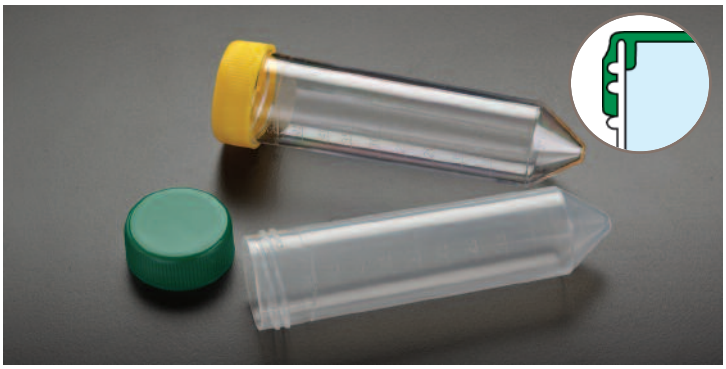
Cat. #	Material	Size (mm)	Qty/Pk	Qty/Cs
T408	Polystyrene	17 x 120	100	1000
T408-1	Polystyrene	17 x 120	Bulk	1000
T408-2	Polypropylene	17 x 120	Bulk	1000

T410
Urine Collection System

The **Simport** Urine Collection System contains 100 disposable 15 ml heavy-wall polystyrene tubes, snap caps, self-adhesive identification labels, and 3 oz. plastic collection cups all packed in a plastic bag (5 bags per case). Urine tubes are made of virgin polystyrene and are free of any mold release agents, metals or additives that could contaminate samples. They are made of heavy wall construction, graduated at ¼, ½, 1, 2 and every 2 ml thereafter up to 12 ml, and can be safely centrifuged at speeds up to 2000g. The tubes are flared at the top to make filling and drip-free pouring easier. Designed to allow the use of midget urinometers and reagent test strips requiring only ¼ or ½ ml of sample. The use of **Simport** tight-fitting plastic caps makes these tubes suitable for transportation in pneumatic tube systems. Size of tube: 105 mm H x 21 mm dia.

Cat. #	Description	Qty/Cs
T410	Urine collection system	500
T410-1	Urine tubes only	500
T410-2	Caps only	1000
T410-3	Tubes & closures only	500

CENTRIFUGE TUBES



T420
50 ml Centrifuge Tubes

Tubes made of either polystyrene or polypropylene

These centrifuge tubes are also useful for collecting and transporting biological specimens. Leakproof characteristics are ensured by a flat top plastic screw cap with an inner sealing lip. Tubes are made of translucent polypropylene or optically clear polystyrene with molded graduations from 2.5 to 50 ml. Polypropylene tubes can be autoclaved and will resist temperatures up to 121 °C; they will also resist acids, solvents and alkalies at room temperature. They withstand centrifugation speeds of 3000g. Polystyrene tubes can tolerate aqueous solutions of mild bases or weak acids, but not organic solvents, aromatic or chlorinated hydrocarbons, and they cannot be autoclaved. They withstand centriguation speeds up to 1000g.

Tubes are available in bags or in break-away polyfoam racks for better protection during transport, storage and for convenient laboratory use. Racks can hold up to 25 tubes; tube contents are visible from top to bottom since racks are provided with viewing slots. They are supplied sterile with green caps or non sterile with yellow caps. External Diameter: 29 mm. Height: 118 mm.

Cat. #	Description	Material	Cap color	Packaging	Qty/Cs
T420-1	Sterile	Polystyrene	Green	Rack/25	500
T420-3	Sterile	Polypropylene	Green	Rack/25	500
T420-4	Sterile	Polypropylene	Green	Bags/25	500
T420-5	Non sterile	Polypropylene	Yellow	Rack/25	500
T420-6	Non sterile	Polystyrene	Yellow	Bulk	500
T420-7	Non sterile	Polypropylene	Yellow	Bulk	500

T500
Sample Tubes with Internal Threads

- For storing and transporting biological material
- All polypropylene construction
- Withstand temperatures from -196 °C to 121 °C
- Withstand centrifugation
- Autoclavable
- Non sterile

Made of polypropylene

High quality screw cap sample tubes manufactured of translucent autoclavable polypropylene. Tube with internal threads. Caps are supplied with or without a silicone washer, to ensure a positive leakproof seal at all temperatures. A 1¼ turn of the cap is sufficient to seal the vial. Since both closures and tubes are manufactured of the same material, they have the same coefficient of expansion to guarantee an equally secure seal both at room or at low temperatures. Round bottom tubes only can be centrifuged up to 14,000g. **Order caps separately.**

These leakproof tubes with silicone washer screw caps are tested at 13.8 PSI (95 kPa).

Cat. #	Vol. (ml)	Style	Size (mm)*	Qty/Pk
T500-1T	1.2	Self standing	12.5 x 43	1000
T500-2T	2	Self standing	12.5 x 49	1000
T500-4T	4	Round bottom	12.5 x 72	1000
T500-4AT	4	Self standing	12.5 x 72	1000
T500-5T	5	Round bottom	12.5 x 92	1000

*For size only, cap is included.

Sample Tubes

T500
Screw Caps for Internal Thread Sample Tubes

Made of polypropylene

Caps are available either with or without a silicone washer between the cap and the tube to ensure a positive leakproof seal at all temperatures. Closures and tubes are both manufactured of polypropylene, providing the same coefficient of expansion. The cap features a long skirt and a super-fast thread design allowing it to be removed or screwed on with a single turn. Autoclavable.

THESE SILICONE WASHER CAPS WILL GUARANTEE A POSITIVE LEAKPROOF SEAL AT ALL TEMPERATURES

Cat. #	Color	Qty/Pk
T500NOS	Natural	1000
T500BOS	Blue	1000
T500GOS	Green	1000
T500LOS	Lilac	1000
T500OOS	Orange	1000
T500ROS	Red	1000
T500YOS	Yellow	1000
T500WOS	White	1000

Specially designed silicone washer can be seen being compressed while cap is screwed on, a sign that a leakproof seal has been reached.

T501
Sample Tubes with External Threads

Made of polypropylene

Designed for the storage and transportation of biological material. Manufactured from non-toxic polypropylene, the tube provides strength and clarity and exhibits some unique design features. The vial has external threads, providing a smooth and uniform inner surface, thus reducing the risk of contamination. Tubes can be autoclaved (121 °C) in upright position with caps loosened. Height of tube is with cap. Round bottom tubes only can be centrifuged up to 17,000g. **Order caps separately.**

Tubes only, not printed

Cat. #	Vol. (ml)	Style	Size (mm)*	Qty/Pk
T501-1AT	1.2	Self standing	12.5 x 43	1000
T501-2T	2.0	Round bottom	12.5 x 48	1000
T501-2AT	2.0	Self standing	12.5 x 49	1000
T501-3AT	3.0	Self standing	12.5 x 72	1000
T501-4T	4.0	Round bottom	12.5 x 75	1000
T501-4AT	4.0	Self standing	12.5 x 76	1000
T501-5T	5.0	Round bottom	12.5 x 92	1000
T501-5AT	5.0	Self standing	12.5 x 93	1000

*For size only, cap is included.

Tubes only, graduated and with white writing area

Cat. #	Vol. (ml)	Style	Size (mm)*	Qty/Pk
T501-1ATPR	1.2	Self standing	12.5 x 43	1000
T501-2TPR	2.0	Round bottom	12.5 x 48	1000
T501-2ATPR	2.0	Self standing	12.5 x 49	1000
T501-3ATPR	3.0	Self standing	12.5 x 72	1000
T501-4TPR	4.0	Round bottom	12.5 x 75	1000
T501-4ATPR	4.0	Self standing	12.5 x 76	1000
T501-5TPR	5.0	Round bottom	12.5 x 92	1000
T501-5ATPR	5.0	Self standing	12.5 x 93	1000

*For size only, cap is included.

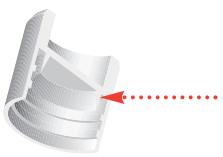
These leakproof tubes with silicone washer screw caps Series T502 are tested at 13.8 PSI (95 kPa).

SAMPLE TUBES

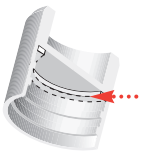
T501 & T502
Screw Caps for Sample Tubes

Made of polypropylene

Caps are available either with or without a silicone washer between the cap and the tube to ensure a positive leakproof seal at all temperatures. As for tubes, these closures are also made of polypropylene, providing the same coefficient of expansion for both, which further enhances the leakproof qualities of the vials at changing temperatures. The cap features a long skirt and a super-fast thread design that allows it to be removed or sealed with a single turn.



Polypropylene inner lip ensures a leakproof seal.



Specially designed silicone washer for increased safety.

With a lip seal

Cat. #	Color	Qty/Pk	Cat. #	Color	Qty/Pk
T501N	Natural	1000	T501O	Orange	1000
T501B	Blue	1000	T501R	Red	1000
T501DG	Dark Green	1000	T501W	White	1000
T501GY	Gray	1000	T501Y	Yellow	1000
T501L	Lilac	1000			

With a silicone washer

Cat. #	Color	Qty/Pk	Cat. #	Color	Qty/Pk
T502N	Natural	1000	T502O	Orange	1000
T502B	Blue	1000	T502R	Red	1000
T502DG	Dark Green	1000	T502W	White	1000
T502GY	Gray	1000	T502Y	Yellow	1000
T502L	Lilac	1000			

T514
StoreBox™ Storage Boxes

Cover made of polystyrene
Base made of high impact polystyrene

Color your world with a wide variety of economical storage boxes for tubes from 1.2 ml to 10 ml.

These storage boxes are designed to be used at temperatures between -90 °C and +80 °C. Different models are available to accommodate either 25, 42, 81 or 100 sample tubes.

A transparent cover allows the user to see the contents of the box, and is keyed to the base to prevent misalignment. Printed with a series of squares (numbered from 1 to 25, 1 to 42, 1 to 81, or 1 to 100), the surface accepts writing with markers, facilitating inventory control.

A unique color coding system uses colored plastic grids to separate the cover from the base on the 25, 42 and 81-place boxes. Those made to accept 100 tubes (series 2100) have a colored base instead of a grid. Removal of vials facilitated by an innovative vial picker supplied with each storage box (not available with box T514-542). A choice of four popular pastel colors is available. Not autoclavable.

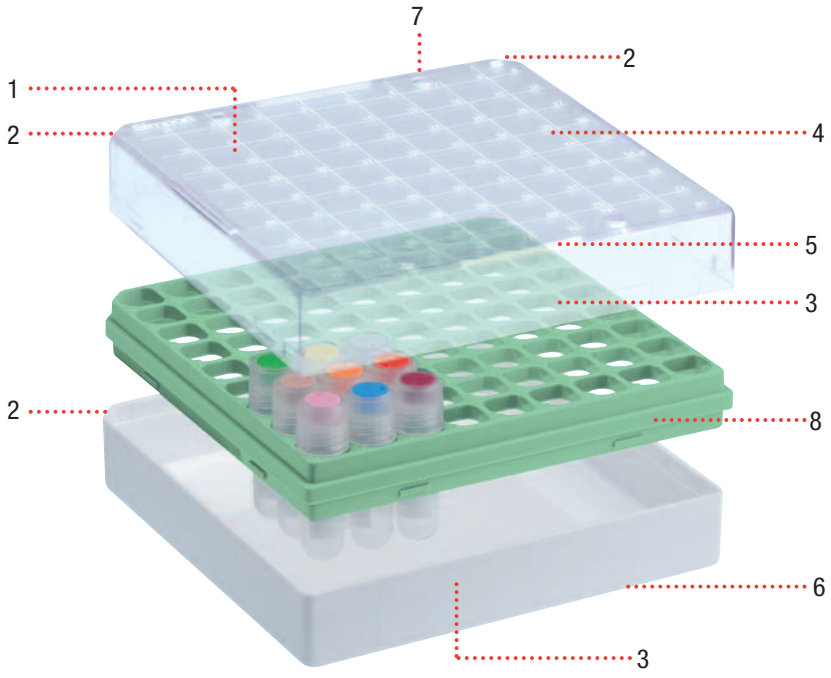
STORAGE BOXES

T514-542
StoreBox™ Storage Box

Cover made of polystyrene
Base made of high impact polystyrene

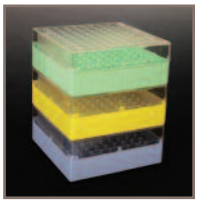
Will hold forty-two 10 ml Sample Tubes. Four colors are available. See page 121 for further details.

Features and benefits of Series 225, 281, 542 & 581 Storage Boxes



1 Cover has numbered squares for easy sample identification
2 Two corners of cover and base are cut to prevent misalignment
3 Writing surface for identifying base and/or cover
4 Vials readily visible through transparent cover
5 Air vents minimizing condensation
6 Drain holes under base
7 Stackable
8 Four pastel colors available for better color-coding

ALL STOREBOX™ STORAGE BOXES ARE EASILY STACKABLE



StoreBox™ Selection Guide

Please note that tubes and caps are sold separately

	-1T	-2T	-4T	-4AT	-5T	-1ATPR	-2TPR	-2ATPR	-3ATPR	-4TPR	-4ATPR	-5TPR	-5ATPR	-10ATPR
Tube Capacity (ml)	1.2	2	4	4	5	1.2	2	2	3	4	4	5	5	10
25-place Storage Box Series T514-225	•	•				•	•	•						
81-place Storage Box Series T514-281	•	•				•	•	•						
42-place Storage Box Series T514-542														•
81-place Storage Box Series T514-581			*	*	•				•	*	*	•	•	
100-place Storage Box Series T514-2100	•	•												

* For these tubes, see T314-481 polycarbonate boxes on pages 79-81.

Series 225: 76 mm x 76 mm x 52 mm H (3 x 3 x 2 1/16 in. H)				
Cat. No.	For sample tubes	Color of grid	Qty/Pk	Qty/Cs
T514-225B	1 to 2 ml	Blue	8	48
T514-225G	1 to 2 ml	Green	8	48
T514-225P	1 to 2 ml	Pink	8	48
T514-225Y	1 to 2 ml	Yellow	8	48
Series 281: 133 mm x 133 mm x 52 mm H (5 1/4 x 5 1/4 x 2 1/16 in. H)				
Cat. No.	For sample tubes	Color of grid	Qty/Pk	Qty/Cs
T514-281B	1 to 2 ml	Blue	4	24
T514-281G	1 to 2 ml	Green	4	24
T514-281P	1 to 2 ml	Pink	4	24
T514-281Y	1 to 2 ml	Yellow	4	24
Series 542: 133 mm x 133 mm x 95 mm H (5 1/4 x 5 1/4 x 3 3/4 in. H)				
Cat. No.	For sample tubes	Color of grid	Qty/Pk	Qty/Cs
T514-542B	10 ml	Blue	5	10
T514-542G	10 ml	Green	5	10
T514-542P	10 ml	Pink	5	10
T514-542Y	10 ml	Yellow	5	10
Series 581: 133 mm x 133 mm x 95 mm H (5 1/4 x 5 1/4 x 3 3/4 in. H)				
Cat. No.	For sample tubes	Color of grid	Qty/Pk	Qty/Cs
T514-581B	3 to 5 ml	Blue	5	10
T514-581G	3 to 5 ml	Green	5	10
T514-581P	3 to 5 ml	Pink	5	10
T514-581Y	3 to 5 ml	Yellow	5	10
Series 2100 : 133 mm x 133 mm x 52 mm H (5 1/4 x 5 1/4 x 2 1/16 H)				
Cat. No.	For sample tubes	Color of base	Qty/Pk	Qty/Cs
T514-2100B	1 to 2 ml	Blue	4	24
T514-2100G	1 to 2 ml	Green	4	24
T514-2100P	1 to 2 ml	Pink	4	24
T514-2100Y	1 to 2 ml	Yellow	4	24

T314S

Metal Stand

Made of Stainless Steel

T314S Metal Stand allows a storage box to be kept at an angle for easier access to tubes.

Removal of vials facilitated by an innovative vial picker supplied with each StoreBox™.

Cat. No.	Description	Qty/Cs
T314S	Metal stand	1

T550 & T552
Self-Standing Non Sterile Transport Tubes

NEW

Tube made of polypropylene / Cap made of polyethylene

Designed for storage and transportation of biological material. Manufactured from non-toxic polypropylene, tubes provide strength and clarity and exhibit some unique design features. Five sizes are available from 5 to 30 ml. The T550-10ATPR tube has a white marking area to make sample identification more convenient. All graduated tubes are in 0.5 ml increments. They have external threads to provide a smooth and uniform inner surface.

A perfect leakproof seal is obtained by the use of a specially designed flexible sealing lip inside the polyethylene closures. Cap also feature a long skirt and a super fast thread design allowing them to be removed or sealed with a single turn. The most secure seal is provided by using a special cap (T550WOS, T552WOS) featuring an exclusive silicone O-ring. These caps however do not fit on the 7 ml tube. **Tubes and caps are sold separately.**

Used extensively in the following laboratories:

- Protein Chemistry
- Molecular Biology
- Tissue Culture
- Pharmaceutical
- Toxicology
- Horticulture/Agriculture
- Nutritional Science
- Food and Beverage
- Chemistry
- Biology
- Quality Control
- Immunology

SAMPLE TUBES

Tubes

Cat. #	Dimensions (mm)*	Graduations	Volume	Qty/Pk
T552-5ATTP	16.6 x 65	Etched on tube	5 ml	1000
T552-7AT	13.4 x 84	Non graduated	7 ml	1000
T550-10AT	16.6 x 85	Non graduated	10 ml	1000
T550-10ATPR	16.6 x 85	Printed on tube	10 ml	1000
T552-10ATTP	16.6 x 84	Etched on tube	10 ml	1000
T552-12ATTP	16.6 x 102	Etched on tube	12 ml	1000
T552-30AT	25.3 x 111	Etched on tube	30 ml	5 Pk of 100 500/Cs

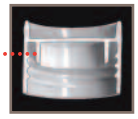
*For dimensions only, cap is included but should be ordered separately

SCREW CAPS SOLD SEPARATELY

Tubes using T550WOS & T552WOS Caps with Silicone O-ring Seal are tested at 13.8 PSI (95 kPa)

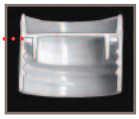
T550W & T552W

Specially designed inner lip ensures a leakproof seal



T550WOS & T552WOS

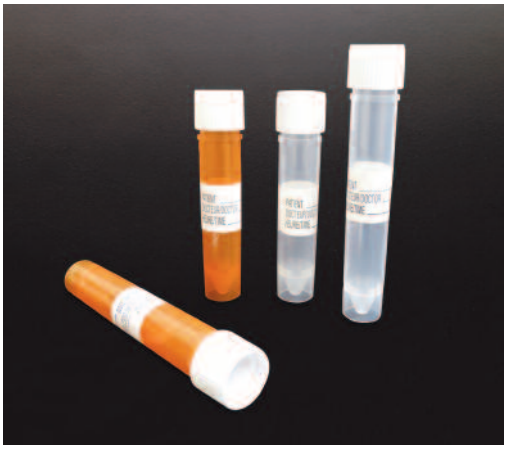
With silicone O-ring for the most secure seal



Caps

Cat. #	Description	For Tubes	Use of Capinsert	Qty/Pk
T550W	White Cap with Lip Seal	T550-10AT & -ATPR	No	1000
T550WOS	White Cap with O-ring Seal	T550-10AT & -ATPR	No	1000
T552W	White Cap with Lip Seal	T552-5ATTP, -10ATTP, -12ATTP	No	1000
T552WOS	White Cap with O-ring Seal	T552-5ATTP, -10ATTP, -12ATTP	No	1000
T552-7W*	White Cap with Lip Seal	7 ml tube	Yes	1000
T552-30W*	White Cap with Lip Seal	30 ml tube	Yes	500

*Will accept a Color Coding Capinsert™a (see page 123 for further details)



T553
Urinanalysis Specimen Collection Tubes

Tube made of polypropylene / Cap made of polyethylene

Simport Urinanalysis Specimen Collection Tubes have a conical bottom to facilitate sample removal. Their design offers a skirted free-standing base. These graduated tubes contain a tablet of boric acid in order to preserve urine specimens for up to 72 hours without refrigeration. Offered in two popular sizes. Amber color tubes are available for light sensitive specimens. A white leakproof screw cap is supplied on each tube along with a fill line label.

Cat. #	Dimensions (mm)*	Graduations	Color	Volume	Qty/Cs
T553-10A	16.6 x 84	Etched on tube	Natural	10 ml	500
T553-10AA	16.6 x 84	Etched on tube	Amber	10 ml	500
T553-12A	16.6 x 102	Etched on tube	Natural	12 ml	500
T553-12AA	16.6 x 102	Etched on tube	Amber	12 ml	500

T552TP

Tamper Evident Self-Standing Non Sterile Transport Tubes

Better be safe than sorry! TAMPER EVIDENT For your sample protection

Tube made of polypropylene / Cap made of polyethylene

At last, a tamper evident sample and transport tube design, incorporating all the features and benefits of the Simport line of the sample tube family. They are ideal for all applications requiring a tamper evident seal in order to guarantee the utmost security and where sample integrity is of high importance:

- As a safer transport tube
- For secure short and long term storage
- In clinical trials
- As a perfect vial for containing expensive reagents in diagnostic kits

These unique transport tubes incorporate a seal that needs to be broken in order to open it, which leaves an obvious visual indication that the vial has been opened.

The ease of operation is due in part to the closure's unique frangible band design. This produces a combination tamper evident and resistant closure system that provides benefits of safety and peace of mind.

Manufactured from non-toxic polypropylene, these tubes provide strength and clarity and exhibit some unique design features. Five sizes are available from 5 to 30 ml. All graduated tubes are in 0.5 ml increments. They have external threads to provide a smooth and uniform inner surface.

A perfect leakproof seal is obtained by the use of a specially designed flexible sealing lip inside the polyethylene closures. The cap also features a long skirt and a super fast thread design allowing them to be removed or sealed with a single turn.

Tamper Evident Tubes

Cat. #	Dimensions (mm)*	Graduations	Volume	Qty/Pk
T552-5ATTP	16.6 x 65	Etched on tube	5 ml	1000
T552-7ATTP	13.4 x 84	Non graduated	7 ml	1000
T552-10ATTP	16.6 x 84	Etched on tube	10 ml	1000
T552-12ATTP	16.6 x 102	Etched on tube	12 ml	1000
T552-30ATTP	25.3 x 111	Etched on tube	30 ml	5 Pk of 100 500/Cs

*For dimensions only, cap is included but should be ordered separately

SCREW CAPS SOLD SEPARATELY

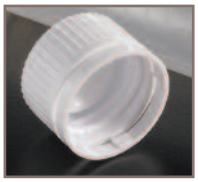
Tamper Evident Caps

Cat. #	Description	For Tubes	Qty/Pk
T552WTP	White Cap with Lip Seal	5, 10 and 12 ml	1000
T552-7WTP*	White Cap with Lip Seal	7 ml	1000
T552-30WTP*	White Cap with Lip Seal	30 ml	500

*Will accept a Capinsert™

SAMPLE TUBES

Four sizes are available from 5 to 30 ml. All graduated tubes are in 0.5 ml increments. They have external threads to provide a smooth and uniform inner surface.



These unique transport tubes and caps incorporate a ring that needs to be broken in order to open it, which leaves an obvious visual indication that the vial has been opened.

T345

Color Coding **CAPINSERT™**

Made of polypropylene

The Capinsert™ is used to color code a multitude of Simport products according to your specific needs. It is inserted on top of the closure and has a write-on frosted area for sample identification.

Cat. #	Color	Cat. #	Color	Qty/Pk	Qty/Cs
T345B	Blue	T345P	Pink	100	500
T345GY	Gray	T345R	Red	100	500
T345G	Green	T345V	Violet	100	500
T345L	Lilac	T345W	White	100	500
T345O	Orange	T345Y	Yellow	100	500
* Blue, lilac, red, yellow and white		T345AS	Assorted*	100	500

S500-80
The UniRack™

Made of polypropylene

The UniRack™ offers the laboratory a support far more versatile and easy to use than any other rack available today. It is designed to use minimum counter space while offering maximum flexibility. Made of autoclavable polypropylene, it allows great resistance to various chemicals used in laboratories.

On one side it can hold up to 80 polystyrene or polyprolylene 10 and 12 mm tubes, such as 10 x 75 mm or 12 x 75 mm sizes. This rack will accommodate all types of screw cap microtubes from 0.5 to 2 ml made by manufacturers such as **Simport**, Sarstedt, Nalgene, Bio-Plas, SSI, Sorenson etc... as well as 1 to 5 ml cryogenic vials. Flip the UniRack™ over and you can store up to 60 PCR or microcentrifuge tubes from 0.2 to 0.5 ml.

Units can be firmly anchored laterally to one another, thanks to special anchor pins supplied with each rack. This innovative concept will allow the user to store 80, 160, 240 and even 320 tubes of different shapes, sizes and volumes since the units can be attached to each other either on the 80- or 60- position side facing upward, thus ensuring maximum versatility.

It is supplied with two removable handles allowing for better safety characteristics. The handles of the lower rack make a perfect fit with those of the upper one, ensuring a stable unit which can easily and safely be moved around. An additional protection level is possible by using a very resistant and quite affordable transparent lid allowing a clear view of the contents. More units can be added on top of each other with the lid in place thanks to small pins located on the cover.

There is a frosted area on both sides for bar coding, labeling or writing, enabling the user to identify the contents. It is easy to write on it with a felt-tip pen. These areas are well labeled with arrows to clearly identify which side of the rack the information belongs to. Offered in a wide array of colors allowing the user to classify tubes by their content or by date, work shift, destination or simply by laboratory. Dimensions: 223 x 67 x 27 mm H (9 3/16 x 2 5/8 x 1 1/16 in. H)

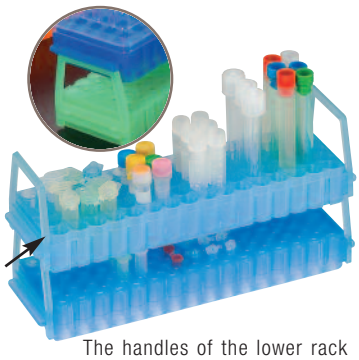
Rack Cat. #	Color	Qty/Cs
S500-80B	Blue	10
S500-80G	Green	10
S500-80O	Orange	10
S500-80P	Pink	10

Rack Cat. #	Color	Qty/Cs
S500-80R	Red	10
S500-80Y	Yellow	10
S500-80AS	Assorted*	10

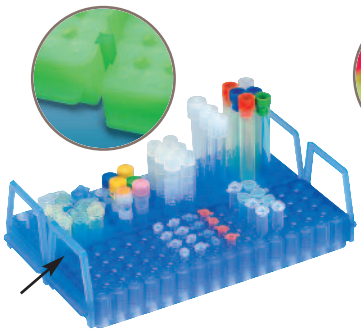
* Assorted colors : blue, green, orange, pink and yellow

Lid Cat. #	Color	Qty/Cs
S501-80	Transparent	10

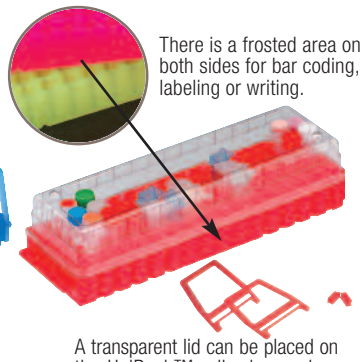
Tube Racks



The handles of the lower rack make a perfect fit with those of the upper one, ensuring a stable unit which can easily and safely be moved around.

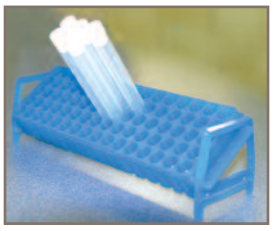


Units can be firmly anchored laterally to one another, thanks to special anchor pins supplied with each rack.



There is a frosted area on both sides for bar coding, labeling or writing.

A transparent lid can be placed on the UniRack™, allowing a clear view of the contents.



The UniRack can also be placed at an angle for more convenience.

S500-25
The UniRack™ Jr.

NEW

Made of polypropylene

This smaller model of the UniRack can hold up to 25 polystyrene or polyprolylene 10 and 12 mm tubes, such as 10 x 75 mm or 12 x 75 mm sizes. This rack will accommodate all types of screw cap microtubes from 0.5 to 2 ml made by manufacturers such as **Simport**, Sarstedt, Nalgene, Bio-Plas, SSI, Sorenson etc... as well as 1 to 5 ml cryogenic vials. Flip the UniRack™ over and you can store up to 16 PCR or microcentrifuge tubes from 0.2 to 0.5 ml. Supplied without handles or anchor pins.

Cat. #	Color	Qty/Cs
S500-25B	Blue	10
S500-25R	Red	10
S500-25Y	Yellow	10

S600
The MultiRack™

Made of acetal polymer

A newly designed tube support that can be used all around the lab. The MultiRack™ is available in three models to accommodate a full range of laboratory test tubes and centrifuge tubes up to 30 mm in diameter. Although it is one of the most attractive racks available today, it offers all the advantages required by the modern laboratory. Made of highly resistant acetal polymer, it will not shatter or stain in contact with most laboratory chemicals. No coating to worry about, which can chip, peel or rust in a water bath.

The MultiRack™ is compact, lightweight and stackable in order to save as much space as possible. This is why it is ideal for incubators, refrigerators, freezers, under lab hoods and on bench tops. Not only is it submersible but will also sink and maintain stability without tipping over.

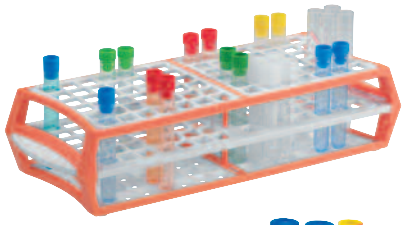
The MultiRack™ is made of three-tiers to facilitate the insertion and stability of tubes. The base tier has rounded wells with drain holes. Convenient handles on each side of the rack will ensure a safe grip when carrying it around. Interlocking feet allow stacking. Series S600-13 will accommodate all tubes up to a diameter of 13 mm while series S600-16 will accept tubes up to 16 mm in diameter including 15 ml centrifuge tubes. Model S600-30 is perfect for accommodating up to 18 x 50 ml centrifuge tubes. Autoclavable at 121 °C for 20 minutes. Available in five attractive colors.

Dimensions: 293 x 115 x 65 mm H (11 ½ x 4 ½ x 2 ½ in. H)

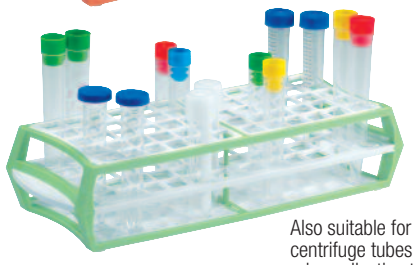
Tube Racks

The MultiRack™ is available in 3 models to accommodate a full range of laboratory test tubes and centrifuge tubes up to 30 mm in diameter.

Cat. #	For tubes	Capacity	Color	Qty/Pk	Qty/Cs
S600-13B	up to 13 mm	84	Blue	1	10
S600-13G	up to 13 mm	84	Green	1	10
S600-13L	up to 13 mm	84	Lilac	1	10
S600-13O	up to 13 mm	84	Orange	1	10
S600-13Y	up to 13 mm	84	Yellow	1	10

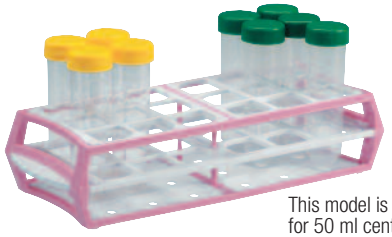


Cat. #	For tubes	Capacity	Color	Qty/Pk	Qty/Cs
S600-16B	up to 16 mm	60	Blue	1	10
S600-16G	up to 16 mm	60	Green	1	10
S600-16L	up to 16 mm	60	Lilac	1	10
S600-16O	up to 16 mm	60	Orange	1	10
S600-16Y	up to 16 mm	60	Yellow	1	10



Also suitable for 15 ml centrifuge tubes and urine collection tubes.

Cat. #	For tubes	Capacity	Color	Qty/Pk	Qty/Cs
S600-30B	25 to 30 mm	18	Blue	1	10
S600-30G	25 to 30 mm	18	Green	1	10
S600-30L	25 to 30 mm	18	Lilac	1	10
S600-30O	25 to 30 mm	18	Orange	1	10
S600-30Y	25 to 30 mm	18	Yellow	1	10



This model is ideal for 50 ml centrifuge tubes.

S207
SNAPTWIST® Scintillation Vials 6.5 ml

Made of polypropylene and high density polyethylene

This general purpose vial can be used for liquid scintillation counting, gamma counting, chromatography, sample storage and culturing. It will fit very nicely into the LKB and Packard Varisette counters. The shoulderless vial features a full width opening of 12.5 mm and the overall dimensions are 16 x 57 mm. The exclusive SNAPTWIST® closures are made of high-flow polypropylene and are a true time saver.

The vials can be securely sealed by simply snapping the caps on; removal of caps requires an easy ¼ turn (twist). The ease with which these caps can be manipulated eliminates the danger of spillage associated with other push-on/pull-off caps. A built-in positive lock prevents the cap from popping off because of a small build-up of pressure in the vial. The quality of the sealing system is such that it is not necessary to tighten the closure with pressure to achieve a leakproof seal.

Cat. #	Tube	Cap	Size (mm)	Qty/Cs
S207	Polyethylene	Polypropylene	16 x 57	1000
S207-5	Polypropylene	Polyethylene	16 x 57	1000

TO OPEN THE VIAL

TO CLOSE THE VIAL

SCINTILLATION VIALS

S220
Scintillation Vials 20 ml

Vial made of polypropylene / Cap made of high density polyethylene

This shoulderless vial features a full width opening of 23 mm for ease of access, a high degree of resistance to organic solvents, and sufficient translucence so that reagent levels or the presence of filter paper can be easily detected. The unique thread design of the closure allows the vial to be sealed, and opened with an easy ¼ turn. The quality of the sealing system is such that it is not necessary to tighten the closure with a lot of pressure to achieve a leakproof seal. Polyethylene closure may not be autoclaved.

Cat. #	Volume (ml)	Size (mm)	Packaging	Qty/Cs
S220	20	26 x 61	Bulk	500
S220-1	20	26 x 61	Tray/100	500

V130
Blood Dilution Vials

Made of polystyrene

With optically clear parallel sides. The snap cap is leakproof but easily removed. Guaranteed to meet or exceed O.E.M. specifications. Each lot is tested to ensure cleanliness. Available in specially designed vacuum formed trays or in bulk packaging. Dimensions: 35 mm x 56 mm H Volume: 25 ml

Cat. #	Packaging	Qty/Cs
V130	Trays of 50 / 20 trays per case	1000
V130-1	Bulk pack	1000

Chemical and Physical Properties

Chemical Resistance and Physical Properties of Plastics

ABS: Acrylonitrile Butadiene Styrene
Acetal: Polyoxymethylene
EVA: Ethylene Vinyl Acetate
HDPE: High-density polyethylene
HIPS: High-Impact Polystyrene
LDPE: Low-density polyethylene
PC: Polycarbonate
PP: Polypropylene
PS: Polystyrene
PVC: Polyvinyl Chloride

Chemical Resistance Summary

Resin	Max use temp (°F/°C)	Brittleness temp (°F/°C)	Transparency	Sterilization					Specific gravity (g/mL)	Flexibility	Permeability (approximate) cc-mm / m²-24hr-Bar			Water absorption (%)
				Autoclave	Gas	Dry heat	Radiation	Disinfectants			N_2	O_2	CO_2	
HDPE	248/120	-148/-100	Translucent	No	Yes	No	Yes	Yes	0.95	Rigid	651	2868	8990	<0.01
LDPE	176/80	-148/-100	Translucent	No	Yes	No	Yes	Yes	0.92	Excellent	2790	7750	41,850	<0.01
PC	275/135	-211/-135	Transparent	Yes	Yes	No	Yes	Yes	1.20	Rigid	775	4650	16,663	0.35
PP	275/135	32/0	Translucent	Yes	Yes	No	No	Yes	0.90	Rigid	744	3720	12,400	<0.02
PS	194/90	68/20	Transparent	No	Yes	No	Yes	Some	1.05	Rigid	853	4650	17,825	0.05
PVC	158-70	-22/-30	Transparent	No	Yes	No	No	Yes	1.34	Rigid	31-310	62	62	0.15-0.75

Physical Properties

Classes of substances; temperature 20 °C	LDPE	HDPE	PC	PP	PS	PVC
Acids, weak or dilute	E	E	E	E	E	E
Acids, strong or concentrated	E	E	G	E	E	E
Alcohols, aliphatic	E	E	G	E	E	E
Aldehydes	G	G	F	G	N	N
Bases	E	E	N	E	E	E
Esters	G	G	N	G	N	N
Hydrocarbons, aliphatic	G	F	F	G	N	E
Hydrocarbons, aromatic	G	F	N	F	N	N
Hydrocarbons, halogenated	F	N	N	F	N	N
Ketones	G	G	N	G	N	N
Oxidizing agents, strong	F	F	N	F	N	G

E - **No damage** after 30 days of constant exposure.

G - **Little or no damage** after 30 days of constant exposure.

F - **Some effect** after seven days of constant exposure. Depending on the plastic, the effect may be cracking, crazing, loss of strength, discoloration. Solvents may cause softening, swelling, and permeation losses with PPCO, PP, PMP, LDPE, and HDPE; the solvent effects on these materials are normally reversible.

N - **Not recommended** for continuous use. Immediate damage may occur. Depending on the plastic, the effect will be severe cracking, crazing, loss of strength, discoloration, deformation, dissolution, or permeation loss.

Chemical Resistance Chart

Reagent	ABS	Acetal	HDPE	LDPE	PC	PP	Santo-prene	Sili cone
Acetaldehyde	D	A	C	C	C[1]	A[1]	–	A
Acetamide	–	A	A	A	D	A[1]	–	B
Acetate Solvent	–	–	A	A	–	B[1]	–	C
Acetic Acid	D	D	A	A[2]	B[1]	B	A	C
Acetic Acid 20%	C	C	A	A	A[1]	A	A	B
Acetic Acid 80%	D	D	A	D	B[1]	A	C	B
Acetic Acid, GlacialD	D	A	D	B[1]	A[1]	D	B	
Acetic Acid, Vapors	–	–	–	–	–	–	–	A
Acetic Anhydride	C1	D	C	D	D	B[1]	D	C
Acetone, 50% water	D	–	–	–	–	A	–	A[2]
Acetone	D	A	D	B[1]	D	A	A	D
Acetonitrile	D	–	A	A	D	A[1]	D	D
Acetophenone	–	–	C	D	D	C	–	–
Acetyl Bromide	–	–	–	D	–	–	–	–
Acetyl Chloride (dry)	D	D	–	D	D	D	A	C
Acetylene	–	A	–	D	D	A[1]	–	B
Acrylonitrile	D	–	A	A	D	A[1]	D	D
Adipic Acid	–	–	A	A	–	B[2]	–	–
Alanine	–	–	A	A	A	A	–	–
Alcohols :								
- Amyl	A[1]	A	A	B[2]	B[1]	B[1]	A	D
- Benzyl	D	A	B	D	–	A	D	–
- Butyl	A[1]	A	–	A	A[2]	A	B	B
- Diacetone	–	A	A	B[1]	–	B[2]	–	D
- Ethyl	B[1]	A[1]	A	B	B[2]	A	A	B
- Hexyl	–	A	–	A	–	–	–	B
- Isobutyl	B	A	A	A[2]	–	A[1]	–	A
- Isopropyl	–	A	A	A[2]	A[2]	A[2]	–	A
- Methyl	D	A	A	A[1]	B[1]	A[2]	A	A
- Octyl	A[1]	A	–	–	–	–	–	B
- Propyl	B[1]	A	–	A[2]	–	A	A	A
Allyl Chloride	D	–	A	–	–	A	–	–
Aluminium Acetate (satured)	–	–	–	–	–	A	–	D
Aluminium Chloride	A	–	A	B[2]	A[1]	A	–	B
Aluminium Chloride 20%	–	C	A	B[2]	A[1]	A	–	B
Aluminium Fluoride	A	C	A	A[2]	–	A	–	B
Aluminium Hydroxide	B	A	A	A[2]	B[1]	A	–	–
Aluminium Nitrate	–	B[1]	–	A[2]	A[1]	A[2]	–	B
Aluminium Phosphate	–	–	–	–	–	–	–	A
Aluminium Potassium Sulfate 10%	–	C	A	A[2]	A[1]	A	–	A
Aluminium Potassium Sulfate 100%	–	C	A	A[2]	A[2]	A	–	A
Aluminium Sulfate	A[2]	B[1]	A	A[2]	A	A	A	A
Alums	–	–	–	A	–	A	–	A[1]
Amines	–	D	B	C[1]	–	B[2]	–	B
Ammonia 10%	–	D	A	C[1]	D	A[2]	–	–
Ammonia Nitrate	–	C	–	A	–	A	–	–
Ammonia, anhydrous	D	D	A	B[2]	D	A	–	C
Ammonia, liquid	–	D	A	C[1]	D	A[2]	–	–
Ammonium Acetate	–	–	A	A	–	A	–	–
Ammonium Bifluoride	A[2]	D	–	A[2]	–	A	–	–
Ammonium Carbonate	A[2]	D	B	B[2]	–	A	–	C
Ammonium Caseinate	–	D	–	–	–	–	–	–
Ammonium Chloride	A[2]	B	A	A[2]	A[2]	A	–	C
Ammonium Fluoride 25%	D	–	A	–	–	A[4]	–	–
Ammonium Hydroxide	B	C	A	A[1]	D	A	–	A
Ammonium Glycolate	–	–	A	A	B	A	–	–
Ammonium Nitrate	–	A[2]	A	A[1]	–	A	–	
Ammonium Oxalate	–	B	A	–	A[1]	A	–	–
Ammonium Persulfate	A[2]	D	A	A[2]	–	A	–	D
Ammonium Phosphate, Dibasic	A[2]	B[2]	–	A[2]	A[2]	A	–	A
Ammonium Phosphate, Monobasic	–	B	–	A	–	A	–	A
Ammonium Phosphate, Tribasic	–	B	–	C	–	A	–	A
Ammonium Sulfate	A[2]	B[1]	A	A[1]	A[2]	A	–	A
Ammonium Sulfite	–	D	B	B[2]	–	A	–	–
Ammonium Thiosulfate	–	B	–	A	–	–	–	–
Amyl Acetate	D	B[1]	–	C[1]	D	B[1]	D	D
Amyl Alcohol	A[1]	A	A	B[2]	B[1]	B[1]	A	D
Amyl Chloride	D	A	B	D	–	D	–	D
Aniline	D	A[1]	B	C	D	A[1]	D	B
Aniline Chlorohydrate	–	–	–	–	–	–	–	–
Aniline Hydrochloride	D	–	–	D	D	D	–	D
Antifreeze	B	D	–	–	–	D	–	C
Antimony Trichloride	A[2]	–	B	B[2]	A[2]	A	A	–
Aqua Regia (80% HCl, 20% HNO_3)	D	D	D	B[1]	D	B[1]	D	D
Arochlor 1248	–	–	–	C[1]	–	D	–	B
Aromatic Hydrocarbons	–	A	–	C	–	D	–	D
Arsenic Acid	A[2]	D	B	B[2]	A[1]	A	B	A
Arsenic Salts	–	–	–	B	–	–	–	–
Asphalt	–	B[2]	–	A[1]	D	B[1]	–	D
Barium Carbonate	A[2]	A	–	B[2]	A[2]	A	–	–
Barium Chloride	A[2]	A	B	A[1]	A	A	–	A
Barium Cyanide	–	B	–	B	–	D	–	–
Barium Hydroxide	A[2]	D	–	B[2]	D	B	–	A
Barium Nitrate	–	B[2]	–	B[2]	D	A	–	B
Barium Sulfate	A[2]	B[2]	B	B[2]	D	B[1]	–	A
Barium Sulfide	A[2]	A	A	B[2]	–	B	–	A
Beer	A[2]	A[1]	A	A[2]	A[2]	A[1]	–	A
Beet Sugar Liquids	B	B	–	A[1]	–	A[1]	–	A
Benzaldehyde	B	A	B	A[1]	D	D	D	D
Benzenamine	–	–	B	A	D	A	–	–

Reagent	ABS	Acetal	HDPE	LDPE	PC	PP	Santo-prene	Sili cone
Benzene	D	A[1]	D	D	D	D	D	D
Benzene Sulfonic Acid	–	–	A	A[1]	D	D	–	D
Benzoic Acid	–	B	A	A[1]	B[1]	B[1]	–	B
Benzol	D	A	–	C[1]	D	B	D	D
Benzonitrile	–	–	–	–	A[1]	–	–	A[1]
Benzyl Chloride	D	A	–	–	C[1]	–	–	D
Bleach	B	D	–	–	–	D	–	–
Bleaching Liquors	–	–	–	A[1]	–	A[1]	–	B
Borax (Sodium Borate)	–	B	A	A[2]	–	B	–	B
Boric Acid	–	A	A	A[2]	–	A	A	A
Brewery Slop	–	B	–	–	–	–	–	–
Bromine	D	D	D	D	C[1]	D	–	D
Bromoform	–	–	D	D	D	D	–	–
Butadiene	–	A	D	D	D	C	–	D
Butane	B	A	–	C[1]	D	A[1]	–	D
Butanol (Butyl Alcohol)	–	A	–	B[2]	B[1]	A[1]	B	B
Butter	B	A	–	–	–	–	D	B
Buttermilk	B	A	–	A[1]	A[1]	A[1]	–	A
Butyl Amine	–	C[1]	–	C[1]	D	B[1]	–	B[1]
Butyl Ether	–	D	–	–	–	D	–	D
Butyl Phthalate	–	–	A	C[1]	D	B[2]	–	A[1]
Butyl acetate	–	A	B	C[1]	D	B[1]	–	D
Butylene	–	A	–	B[1]	D	–	–	D
Butyric Acid	D	A	D	D	D	B[1]	A	D
Calcium Bisulfate	–	–	–	–	D	–	–	C
Calcium Bisulfide	–	D	–	B[1]	–	A	–	C
Calcium Bisulfite	–	D	A	A[1]	D	A	–	A
Calcium Bromide 38%	–	–	–	–	–	–	–	–
Calcium Carbonate	–	A	–	B[1]	C[2]	A	–	A
Calcium Chlorate	–	A	–	–	–	–	–	–
Calcium Chloride (30% in water)	B	D	A	B[2]	–	A[2]	–	A
Calcium Chloride (saturated)	A	D	A	–	–	A	–	A
Calcium Fluoride	–	–	–	–	–	–	–	–
Calcium Hydroxide 10%	–	A	A	–	–	A	–	A
Calcium Hydroxide (saturated)	A	–	A	–	–	A	–	A
Calcium Hydroxide	–	D	A	A[2]	D	A[2]	–	A
Calcium Hypochlorite 30%	–	–	A	–	–	A	–	–
Calcium Hypochlorite (saturated)	A	–	A	–	–	A	–	–
Calcium Hypochlorite	–	D	A	A[1]	D	A[1]	–	B
Calcium Nitrate	A	D	B	A[1]	A[2]	A[2]	–	B[1]
Calcium Oxide	D	A	–	B[1]	–	A	–	A
Calcium Sulfate	C	D	–	B[1]	A[2]	A	–	–
Calcium Sulfide	–	–	–	–	–	A	–	–
Calgon	–	A	–	–	–	A	–	A
Cane Juice	–	A	–	–	–	C[1]	–	A
Carbolic Acid (Phenol)	D	D	–	D	D	B	–	D
Carbon Bisulfide	–	A	–	–	–	D	–	–
Carbon Dioxide (dry)	B	A	–	A[1]	–	A[2]	–	B
Carbon Dioxide (wet)	B	A	–	A[1]	–	A[2]	–	B
Carbon Disulfide	–	–	D	D	D	D		
Carbon Monoxide	–	A	–	A[2]	–	A	–	A[2]
Carbon Tetrachloride	D	B[1]	C	D	D	D	–	D
Carbon Tetrachloride (dry)	D	–	C	D	–	D	–	D
Carbon Tetrachloride (wet)	D	A[1]	C	–	–	D	–	D
Carbonated Water	–	A	–	A	–	B	–	–
Carbonic Acid	–	B[1]	B	B[2]	A[1]	A	–	A
Catsup	B	B	–	–	–	A	–	–
Cellulose Acetate	–	–	–	–	–	A	–	–
Chloral Hydrate	A	–	D	–	–	D	–	–
Chloric Acid	–	D	–	–	–	–	–	–
Chlorinated Glue	–	D	–	–	–	–	–	–
Chlorine Water	–	D	C	B[1]	–	D	–	D
Chlorine Anhydrous Liquid	–	A[1]	C	D	C	D	–	D
Chlorine (dry)	–	D	B	D	–	D	–	D
Chloroacetic Acid	–	D	A	D	D	C[1]	D	D
Chlorobenzene (Mono)	D	D	D	C[1]	D	C[1]	D	D
Chlorobromomethane	–	–	–	A	–	A	–	D
Chloroform	D	A	D	C[1]	D	C[1]	D	D
Chlorosulfonic Acid	–	D	D	D	C[1]	D	–	D
Chocolate Syrup	–	A	–	–	A	A[2]	–	–
Chromic Acid 5%	B	D	A	A	B	D	D	C
Chromic Acid 10%	B	D	A	A	B	D	D	C
Chromic Acid 30%	B	D	A	A	C	D	D	C
Chromic Acid 50%	D	D	A	A	D	D	D	C
Chromium Salts	–	–	–	B	–	–	–	–
Cider	–	A	–	B	A	A	–	B[1]
Citric Acid	D	B[1]	A	D	A[1]	A	A	A
Citric Oils	–	B	B	–	–	A	–	–
Coffee	–	A	–	–	–	A	–	A
Copper Chloride	A	A	–	–	–	A	–	A[1]
Copper Cyanide	–	A	–	B[2]	D	A	–	A
Copper Fluoborate	–	B	–	–	–	–	–	–
Copper Nitrate	–	A	–	B[2]	D	A	–	–
Copper Sulfate 5%	–	D	A	A[2]	A[1]	A	–	A
Copper Sulfate >5%	–	D	A	A[2]	A[1]	A	–	A
Cream	–	A	–	–	–	A	–	–
Creosote	A	D	A	–	–	–	–	D
Cresols	D	D	D	C[1]	D	D	D	D

Chemical Resistance Chart

Reagent	ABS	Acetal	HDPE	LDPE	PC	PP	Santo-prene	Sili cone
Cresylic Acid	–	D	–	B[1]	D	A[1]	–	A
Cupric Acid	–	–	–	B[1]	A[1]	A[2]	–	A[1]
Cyanic Acid	–	D	–	–	–	–	–	A[1]
Cyclohexane	–	A[1]	D	B[1]	B	D	D	D
Cyclohexanone	D	A	B	D	D	D	–	D
Detergents	B	A[1]	A	D	A[1]	A	–	A
Dextrin	A	–	A	–	–	A	–	–
Dextrose	A	–	A	–	–	A	–	A
Diacetone Alcohol	–	–	A	A	D	A[1]	–	D
Dibenzyl Ether–	–	–	–	–	–	–	–	–
Dichlorobenzene	D	–	–	–	D	C[1]	D	D
Dichloroethane	D	A[1]	C	C[1]	D	D	D	–
Diesel Fuel	–	A	D	C[1]	A[2]	A[1]	B	D
Diethyl Ether	D	–	D	–	D	A[1]	A	D
Diethylamine	D	B	D	D	D	A[1]	–	B
Diethylene Glycol	B	A[1]	A	B[2]	B[1]	A[2]	A	B[1]
Dimethyl Aniline	D	D	B	–	D	D	–	D
Dimethyl Ether	–	–	–	–	–	–	–	A
Dimethyl Formamide	D	D	A	A	D	A	A	C
Diphenyl	–	–	–	–	–	D	–	D
Diphenyl Oxide	–	D	–	–	–	D	–	C
Disodium Phosphate	A	–	A	–	–	A	–	–
Dyes	–	C	–	–	–	–	–	–
Epson Salts (Magnesium Sulfate)	B[2]	B	–	A[2]	A[1]	A	–	A
Ethane	–	A[1]	–	–	–	D	–	D
Ethanol	B[1]	A[1]	A	B	B[2]	A	A	B
Ethanolamine	–	D	–	–	–	D	–	B
Ether	D	A[1]	D	D	–	D	–	D
Ethyl Acetate	D	A	A	A	D	A[1]	A	B
Ethyl Benzoate	D	–	B	C[2]	D	B[1]	–	D
Ethyl Chloride	D	A[1]	C	C[1]	D	D	D	D
Ethyl Ether	D	A[1]	D	D	–	D	–	D
Ethyl Sulfate	–	–	–	–	–	–	–	–
Ethylene Bromide	D	–	–	D	D	D	–	D
Ethylene Chloride	D	A[1]	C	D	D	C[1]	–	D
Ethylene Chlorohydrin	D	D	–	D	D	D	D	C
Ethylene Diamine	D	D	B	A	A[2]	–	–	A
Ethylene Dichloride	D	B[1]	D	D	D	D	D	D
Ethylene Glycol	A	B	A	A[2]	B[1]	A	A	A
Ethylene Oxide	D	D	B	A	C[1]	D	–	D
Fatty Acids	A	A	A	D	B[1]	A	D	C
Ferric Chloride	A	D	D	A[1]	A[2]	A	–	B
Ferric Nitrate	A[2]	D	–	A[2]	A[1]	A	–	C
Ferric Sulfate	A[2]	D	–	A[2]	A[1]	A	–	B
Ferrous Chloride	A[2]	D	A	A[2]	D	A	–	–
Ferrous Sulfate	A[1]	D	–	A[2]	A[1]	A	–	–
Fluoboric Acid	A[2]	A[1]	A	A[2]	–	A	–	–
Fluorine	A[1]	D	D	D	C	D	D	D
Fluosilicic Acid	A[2]	A[1]	B	A[2]	A[1]	A	–	–
Formaldehyde 40%	A[2]	A[2]	A	D	A[1]	A	A	–
Formaldehyde 100%	B	A	A	B	A[2]	C	A	B
Formic Acid	D	A[2]	A	D	A[1]	A[1]	–	B
Freon® 11	D	D	A	C	–	A	B	D
Freon® 12	A[1]	B	–	A[1]	–	A[2]	D	D
Freon® 22	–	A	–	–	–	B	D	D
Freon® 113	–	A	–	–	B[1]	D	D	D
Freon® TF	–	A	B	–	–	D	D	D
Fruit Juice	B	D	–	A	–	B	–	–
Fuel Oils	D	A	C	B	B[1]	A	–	D
Furan Resin	–	D	–	D	–	D	A	D
Furfural	D	A	A	D	D	D	A	D
Gallic Acid	–	–	A	A	–	A	–	D
Gasoline (high-aromatic)	D	B	B	A	A	A	D	D
Gasoline, leaded, ref.	D	A	B	–	A[2]	B	D	D
Gasoline, unleaded	D	A	B	–	A[2]	C[1]	D	D
Gelatin	–	B	A	A[2]	–	A	–	A
Glucose	B	A	A	A[2]	A[1]	A	–	A
Glue, P.V.A.	–	A	A	A[1]	–	–	–	A
Glycerin	C	A	A	A[1]	A[2]	A	D	A
Glycolic Acid	B	A	–	A[2]	–	A	–	A
Gold Monocyanide	–	A	–	–	–	–	–	–
Grape Juice	B	A	–	B	–	–	–	A
Grease	–	D	–	–	–	–	–	D
Heptane	D	A	B	B[1]	B	C[2]	A	D
Hexane	D	A	C	D	D	B[1]	A	D
Honey	–	A	–	B	A[1]	A	–	A
Hydraulic Oil (Petro)	–	B	A	C	–	D	B	B
Hydraulic Oil (Synthetic)	–	–	A	A	–	D	D	B
Hydrazine	–	B	D	–	D	C	–	B
Hydrobromic Acid 20%	–	C	D	B[2]	–	A[2]	–	D
Hydrobromic Acid 100%	B	D	D	B[1]	–	C[1]	–	D
Hydrochloric Acid 20%	A	C	A	A[2]	B[1]	B[2]	A	D
Hydrochloric Acid 37%	A	C	A	B[2]	D	C	A	B
Hydrochloric Acid 100%	A	C	D	–	D	B[1]	A	D
Hydrochloric Acid, Dry Gas	–	–	D	A[2]	–	B	A	–
Hydrocyanic Acid	B	B	A	A[2]	–	A	A	C
Hydrocyanic Acid (Gas 10%)	–	C	A	–	B[1]	A	A	D
Hydrofluoric Acid 20%	C	D	A	A[2]	D	A[2]	D	D
Hydrofluoric Acid 50%	C	D	A	A[1]	D	A[2]	D	D
Hydrofluoric Acid 75%	C	D	B	C[1]	D	C[1]	D	D

Reagent	ABS	Acetal	HDPE	LDPE	PC	PP	Santo-prene	Sili cone
Hydrofluoric Acid 100%	D	D	D	–	D	C[1]	D	D
Hydrofluosilicic Acid 20%	–	B	B	B[2]	–	A	–	D
Hydrofluosilicic Acid 100%	–	A	C	B[1]	–	A	–	D
Hydrogen Gas	–	–	A	A[2]	A[2]	A	–	C
Hydrogen Peroxide 10%	A	D	A	A	A[2]	A	–	A
Hydrogen Peroxide 30%	–	D	A	C[2]	A[2]	B[1]	–	B
Hydrogen Peroxide 50%	–	D	A	C[2]	A[2]	B[1]	–	B
Hydrogen Peroxide 100%	A	D	A	C[2]	A	B[1]	–	B
Hydrogen Sulfide (aqua)	B	C	A	A	A	A[1]	–	C
Hydrogen Sulfide (dry)	–	–	A	A	–	A[1]	–	C
Hydroquinone	D	A	–	A	–	A	–	–
Ink	A	B	–	–	–	–	–	–
Hydroxyacetic Acid 70%	–	A	–	A	–	–	–	–
Iodine	D	D	B	A[1]	–	C	–	–
Iodine (in alcohol)	–	D	B	B	–	–	–	–
Iodoform	–	–	–	–	–	–	–	–
Isooctane	–	–	B	B	B[1]	A[2]	D	D
Isopropyl Acetate	–	D	B	B[1]	D	B[1]	–	D
Isopropyl Ether	–	D	D	B	D	B	–	D
Isotane	–	–	–	–	D	–	–	–
Jet Fuel (JP3, JP4, JP5, JP8)	–	A[1]	D	D	A[1]	A[1]	D	D
Kerosene	D	A[2]	B	C[1]	D	B	D	D
Ketones	A	D	D	C[1]	D	C	D	–
Lacquer Thinners	A	D	D	A	B	D	–	D
Lacquers	A	D	D	A	D	D	–	D
Lactic Acid	D	B	A	A[1]	B	B	–	A
Lard	–	A	A	A	A[1]	B[1]	A	B
Latex	B	B	–	–	–	A[2]	–	A
Lead Acetate	B	B	A	A[2]	–	A[1]	–	A
Lead Nitrate	B	–	A	A[2]	–	A[2]	–	B[1]
Lead Sulfamate	–	A	–	A[1]	A[1]	A[2]	–	B
Ligroin	–	B	–	A	–	A[2]	–	D
Lime	–	B	–	A	–	–	–	–
Linoleic Acid	A	B	–	A	–	B[1]	–	B[1]
Litlhium Chloride	–	A	D	A[2]	B[1]	A[2]	–	A[1]
Lithium Hydroxide	–	–	D	–	D	–	–	–
Lubricants	–	A	B	D	A[1]	A[1]	–	D
Lye: KOH Potassium Hydroxide	A	A	B	A	D	A	A	C
Lye: NaOH Sodium Hydroxide	C	C	B	D	D	A	A	A[1]
Lye: $Ca(OH)_2$ Calcium Hydroxide	–	D	B	A[2]	D	A[2]	A	A
Magnesium Bisulfate	–	–	–	–	A[1]	A[2]	–	–
Magnesium Carbonate	B	A	–	B	A[1]	A	–	–
Magnesium Chloride	B	B[1]	A	A[1]	A[2]	A[2]	–	A
Magnesium Hydroxide	B	A	B	A[2]	A[1]	A	–	A
Magnesium Nitrate	B	A	B	A[2]	A[1]	A	–	–
Magnesium Oxide	–	A	–	–	–	–	–	–
Magnesium Sulfate (Epson Salts)	B[2]	B	A	A[2]	A[1]	A	–	A
Maleic Acid	–	A	A	B[2]	–	A	–	–
Maleic Anhydride	–	D	A	D	–	D	–	–
Malic Acid	–	A	–	B[2]	–	A[1]	–	B
Manganese Sulfate	B[2]	A[1]	–	A[1]	A[1]	–	–	A[1]
Mash	–	A	–	A	–	–	–	–
Mayonnaise	–	A	–	D	–	–	–	–
Melamine	–	A	–	–	–	A	–	C
Mercuric Chloride (dilute)	B	B	A	A	A	B	–	–
Mercuric Cyanide	B	–	–	A	–	B	–	A
Mercurous Nitrate	C[2]	–	–	A	A[2]	A	–	–
Mercury	B	A	A	A	D	B	–	–
Methane	–	A	–	–	–	A	D	D
Methanol (Methyl Alcohol)	D	A	A	A[1]	B[1]	A[2]	A	A
Methyl Acetate	D	B	C	B[1]	D	D	–	D
Methyl Acetone	–	D	–	–	–	–	–	–
Methyl Acrylate	–	B	–	–	–	D	D	D
Methyl Alcohol 10%	D	A	A	A[1]	B[1]	A[2]	A	A
Methyl Bromide	D	D	–	C[1]	–	C	D	–
Methyl Butyl Ketone	–	D	–	–	D	D	–	D
Methyl Cellosolve	–	D	–	–	D	B	–	D
Methyl Chloride	D	B	–	C[1]	D	D	D	D
Methyl Dichloride	–	D	–	–	–	D	–	–
Methyl Ethyl Ketone	D	C	D	D	D	B[2]	D	D
Methyl Ethyl Ketone Peroxide	–	–	–	–	–	–	–	B
Methyl Isobutyl Ketone	D	–	D	C	D	A	D	D
Methyl Isopropyl Ketone	–	–	–	D	D	–	–	C
Methyl Methacrylate	–	D	–	–	–	D	C	C
Methylamine	D	D	–	A[1]	–	A[2]	–	–
Methylene Chloride	D	B	D	D	D	B[1]	D	–
Milk	B	A	–	A	A	B	–	A
Mineral Spririts	D	A	D	B	C	B	–	D
Molasses	B	A	A	A	–	B	–	–
Monochloroacetic Acid	–	D	D	–	D	–	D	–
Monoethanolamine	–	D	–	C	–	B	–	B
Morpholine	C	–	–	–	D	B[2]	–	–
Motor Oil	C	B	–	C[1]	A	A[1]	–	–
Mustard	B	C	–	A	A	A	–	–
Naphtha	D	A[1]	–	A[1]	B	B	D	D
Naphthalene	D	A[1]	B	C	–	B	D	D
Natural Gas	B	B	–	A	–	A	D	A
Nickel Chloride	A	A	B	A	A[2]	A	–	A

Chemical Resistance Chart

Reagent	ABS	Acetal	HDPE	LDPE	PC	PP	Santo-prene	Sili-cone
Nickel Nitrate	A	–	B	A	D	A2	–	–
Nickel Sulfate	B	A	B	A	A	A	–	A
Nitrating Acid (<1% Acid)	–	–	–	–	–	C	–	–
Nitrating Acid (<15% H_2SO_4)	–	–	–	–	–	C	–	–
Nitrating Acid (>15% H_2SO_4)	–	D	–	–	–	C	–	–
Nitrating Acid (<15% HNO_3)	–	–	–	–	–	C	–	–
Nitric Acid (5-10%)	B	D	A	B	A	A	D	C
Nitric Acid (20%)	B	D	B	C	B[1]	A[2]	D	D
Nitric Acid (50%)	C	D	D	B[1]	B	B	D	D
Nitric Acid (Concentrated)	D	D	D	C[1]	C[1]	D	D	D
Nitrobenzene	D	C	D	C[1]	D	B[1]	–	D
Nitrogen Fertilizer	–	–	–	–	–	–	–	–
Nitromethane	D	A	D	A	D	B[2]	–	D
Nitrous Acid	D	–	–	–	–	A	–	–
Nitrous Oxide	–	–	–	C	–	D	–	–
Oils:								
- Aniline	D	D	–	–	–	A	–	D
- Anise	–	D	–	–	–	–	–	–
- Bay	–	D	–	–	–	–	–	–
- Bone	–	D	–	–	–	A	–	–
- Cinnamon	–	D	D	D	D	D	–	–
- Citric	D	A	–	A	A	A	–	–
- Clove	–	–	–	–	–	–	–	–
- Coconut	A	A	–	A	–	A[1]	–	A
- Cod Liver	A	B	–	–	–	A[1]	–	B
- Corn	B	A	–	A	–	A[2]	–	A
- Cottonseed	A	A	–	A	–	A	–	A
- Creosote	–	D	–	C	–	C	–	D
- Crude Oil	A	A	D	–	–	A	–	–
- Diesel Fuel (20, 30, 40, 50)	–	D	–	A	–	A[1]	–	D
- Fuel (1, 2, 3, 5A, 5B, 6)	D	D	–	B	B	B	–	C
- Ginger	–	A	–	–	–	–	–	–
- Hydraulic Oil (Petro)	–	B	–	C	–	D	–	B
- Hydraulic Oil (Synthetic)	–	–	–	A	–	D	–	B
- Lemon	C	D	–	–	–	–	–	–
- Linseed	–	A	–	A	–	A	–	A
- Mineral	A	A	A	B[1]	B	A	–	C
- Olive	A	A	A	A[1]	A[2]	A	–	D
- Orange	–	D	C	C[1]	C[1]	A	–	D
- Palm	A	A	–	A	–	–	–	–
- Peanut	–	A	–	A	–	D	–	A
- Peppermint	D	D	–	–	–	–	–	–
- Pine	D	A	B	D	A	B	–	D
- Rapeseed	–	A	–	D	–	D	–	D
- Rosin	–	–	–	B[2]	–	A[2]	–	–
- Sesame Seed	A	D	–	–	–	A	–	–
- Silicone	A	A	A	A	–	A	–	C
- Soybean	A	A	–	A[1]	–	A[1]	–	A
- Sperm (whale)	A	D	–	–	–	–	–	–
- Tanning	–	D	–	–	–	–	–	–
- Transformer	–	A	–	C[1]	–	B	–	B
- Turbine	–	A	–	C	–	B[1]	–	D
Oleic Acid	D	A	C	C[2]	–	B[1]	–	D
Oleum 25%	–	D	–	D	–	D	–	D
Oleum 100%	D	D	–	D	–	D	–	D
Oxalic Acid (cold)	A	B	A	A[2]	–	A[2]	A	B
Ozone	B	C	A	C[1]	A[1]	B	D	A
Palmitic Acid	A	A	–	–	–	B[1]	A	D
Paraffin	A	A	B	B	A[1]	A[1]	–	–
Pentane	–	B	–	D	A	D	B	D
Perchloric Acid	–	C	D	B	–	C	D	D
Perchloroethylene	D	B	D	D	D	D	D	D
Petrolatum	–	B	–	B	–	D	–	D
Petroleum	B	B	D	C[1]	–	B[1]	C	D
Phenol (10%)	D	B	D	B	B[1]	B[1]	D	D
Phenol (Carbolic Acid)	D	D	D	D	D	B	–	D
Phosphoric Acid (<40%)	B	D	A	A	A	A[2]	A	C
Phosphoric Acid (>40%)	C	D	A	B[1]	A	A[2]	C	D
Phosphoric Acid (crude)	C	D	B	B[1]	A	B[2]	–	D
Phosphoric Acid (molten)	D	D	D	–	–	D	–	–
Phosphoric Acid Anhydride	–	D	A	–	D	A	–	–
Phosphorus	–	B	–	B	–	A	–	–
Phosphorus Trichloride	D	D	A	B	C	–	–	–
Photographic Developer	B	D	–	A	A[2]	A	–	B
Photographic Solutions	–	D	A	A	A[1]	A[2]	–	A
Phthalic Acid	B	C	B	B[2]	–	A	–	B[1]
Phthalic Anhydride	B	C	–	–	A[1]	D	–	–
Picric Acid	A	A	D	A	D	B[1]	D	D
Plating Solutions								
- Antimony Plating 130ºF	–	A	–	–	–	A	–	–
- Arsenic Plating 110ºF	–	A	–	–	–	A	–	–
- Brass Plating:								
- Regular Brass Bath 100ºF	–	A	–	B	–	A	–	–
- High-Speed Brass Bath 110ºF	–	A	–	B	–	A	–	–
- Bronze Plating:								
- Cu-Cd Bronze Bath R.T.	–	A	–	–	–	A	–	–
- Cu-Sn Bronze Bath 160ºF	–	B	–	–	–	A	–	–
- Cu-Zn Bronze Bath 100ºF	–	A	–	–	–	A	–	–
- Cadmium Plating:								
- Cyanide Bath 90ºF	–	A	–	–	–	A	–	–
- Fluoborate Bath 100ºF	–	C	–	–	–	A	–	–
- Chromium Plating:								
- Barrel Chrome Bath 95ºF	–	D	–	–	–	A	–	–
- Black Chrome Bath 115ºF	–	D	–	–	–	A	–	–
- Chromic-Sulfuric Bath 130ºF	–	D	–	–	–	A	–	–
- Fluoride Bath 130ºF	–	D	–	–	–	A	–	–
- Fluosilicate Bath 95ºF	–	D	–	–	–	D	–	–
- Copper Plating (Cyanide):								
- Cooper Strike Bath 120ºF	–	A	–	–	–	A	–	–
- High-Speed Bath 180ºF	–	B	–	–	–	A	–	–
- Rochelle Salt Bath 150ºF	–	B	–	–	–	A	–	–
- Copper Plating (Acid):								
- Copper Fluoborate Bath 120ºF	–	C	–	–	–	A	–	–
- Copper Sulfate Bath R.T.	–	A	–	–	–	A	–	–
- Copper Plating (Misc):								
- Copper Pyrophosphate	–	A	–	–	–	A	–	–
- Copper (Electroless)	–	D	–	–	–	A	–	–
- Gold Plating:								
- Acid 75ºF	–	–	–	–	–	A	–	–
- Cyanide 150ºF	–	–	–	–	–	A	–	–
- Neutral 75ºF	–	–	–	–	–	A	–	–
- Indium Sulfamate Plating R.T.	–	–	–	–	–	A	–	–
- Castor	A	A	–	–	–	A	–	A
- Iron Plating:								
- Ferrous Am Sulfate Bath 150ºF	–	–	–	–	–	A	–	–
- Ferrous Chloride Bath 190ºF	–	–	–	–	–	C	–	–
- Ferrous Sulfate Bath 150ºF	–	–	–	–	–	A	–	–
- Fluoborate Bath 145ºF	–	–	–	–	–	A	–	–
- Sulfamate 140ºF	–	–	–	–	–	A	–	–
- Sulfate-Chloride Bath 160ºF	–	–	–	–	–	A	–	–
Plating Solutions, continued								
Lead Fluoborate Plating	–	–	–	–	–	A	–	–
- Nickel Plating:								
- Electroless 200ºF	–	–	–	–	–	D	–	–
- Fluoborate 100-170ºF	–	–	–	–	–	A	–	–
- High-Chloride 130-140ºF	–	–	–	–	–	A	–	–
- Watts Type 115-160ºF	–	–	–	–	–	A	–	–
- Rhodium Plating 120ºF	–	–	–	–	–	A	–	–
- Silver Plating 80-120ºF	–	–	–	–	–	A	–	–
- Tin-Fluoborate Plating 100ºF	–	–	–	–	–	A	–	–
- Tin-Lead Plating 100ºF	–	–	–	–	–	A	–	–
- Zinc Plating:								
- Acid Chloride 140ºF	–	–	–	–	–	A	–	–
- Acid Fluoborate Bath R.T.	–	–	–	–	–	A	–	–
- Acid Sulfate Bath 150ºF	–	–	–	–	–	A	–	–
- Alkaline Cyanide Bath R.T.	–	–	–	–	–	A	–	–
Potash (Potassium Carbonate)	A	B	B	A[1]	–	A	–	–
Potassium Bicarbonate	A	–	B	A	–	A	–	A[1]
Potassium Bromide	A[1]	A	B	A	A[1]	A	–	A[1]
Potassium Chlorate	A	B	B	A[1]	A[1]	A	–	B
Potassium Chloride	A	A	A	A[1]	A	A	–	A
Potassium Chromate	–	C	–	A	–	A	–	–
Potassium Cyanide Solutions	A	C	–	A	–	A	–	A
Potassium Dichromate	B[1]	A	B	A	A[1]	A	–	A
Potassium Ferricyanide	B	B[1]	–	A[2]	–	A[2]	–	–
Potassium Ferrocyanide	–	–	–	A[1]	–	A	–	–
Potassium Hydroxide (Caustic Potash)	A	A	A	A	D	A	B	C
Potassium Hypochlorite	–	–	–	C[1]	–	–	–	–
Potassium Iodite	B	–	B	B[1]	–	A[2]	–	–
Potassium Nitrate	B	A	B	A	A[1]	A	–	A
Potassium Oxalate	–	–	–	–	–	–	–	–
Potassium Permanganate	B[1]	A	A	A	A[2]	A[1]	–	–
Potassium Sulfate	B	B	B	A[2]	A[1]	A	–	A
Potassium Sulfide	B	–	–	A[2]	–	A	–	A
Propane (liquefied)	–	A	D	C[1]	C[1]	A	–	D
Propylene	B	–	–	–	–	–	–	D
Propylene Glycol	B	B	A	B[2]	B[1]	A[2]	–	A
Pyridine	–	B	D	B[1]	D	A[2]	A	D
Pyrogallic Acid	–	D	–	–	–	A	D	–
Resorcinal	A	–	–	B[2]	B[1]	A[2]	–	–
Rosins	–	B	B	B[1]	–	A[2]	–	A
Rum	–	A	–	–	–	A	–	A
Rust Inhibitors	–	A	–	–	–	A	–	–
Salad Dressing	–	A	–	–	–	A	–	–
Salicylic Acid	A	D	–	B[2]	A[1]	A[1]	–	–
Salt Brine (NaCi saturated)	–	–	A	A	A	A	A	A[1]
Sea Water	–	A	A	A[2]	A[2]	A	A	A[1]
Shellac (Bleached)	–	A	–	A[1]	–	A	–	–
Shellac (Orange)	–	A	–	A[1]	–	A	–	–
Silicone	D	A	–	–	A[2]	A	–	C
Silver Bromite	–	C	–	A	–	–	–	–
Silver Nitrate	B	A	A	A	A[2]	A[1]	–	A
Soap Solutions	A	A	B	D	A[1]	A	A	A
Soda Ash (see Sodium Carbonate)	B	A	A	B	A	A	–	A
Sodium Acetate	B	B	A	A	A[1]	A	–	D
Sodium Aluminate	–	B	–	–	–	–	–	–
Sodium Benzoate	A	–	B	A[2]	A[2]	A[2]	–	–
Sodium Bicarbonate	A	A	A	A[2]	A[2]	A	–	A
Sodium Bisulfate	A	B	B	A[2]	A[1]	A	–	A

Chemical Resistance Chart

Reagent	ABS	Acetal	HDPE	LDPE	PC	PP	Santo-prene	Sili-cone
Sodium Bisulfite	A	C	B	A[2]	A[1]	A	–	A
Sodium Borate (Borax)	A	–	B	A[2]	A[1]	A[2]	–	A
Sodium Bromide	B	A	–	A[2]	–	–	–	–
Sodium Carbonate	B	A[1]	A	B[2]	A[2]	A	–	A
Sodium Chlorate	A	A	–	B[2]	A[1]	A	–	C
Sodium Chloride	A	A[1]	A	A[2]	A[2]	A	A	A
Sodium Chromate	–	D	–	–	A[2]	–	–	–
Sodium Cyanide	A	A	B	A[2]	–	A	–	A
Sodium Ferrocyanide	–	A	–	A	–	A	–	–
Sodium Fluoride	A	–	–	A[2]	–	A	–	–
Sodium Hydrosulfite	–	–	–	–	–	–	–	C
Sodium Hydroxide (20%)	B	A	C	B	A[2]	A	A	A[2]
Sodium Hydroxide (50%)	A	A	C	B	D	A	A	A[1]
Sodium Hydroxide (80%)	A	D	C	–	D	A	C	A[1]
Sodium Hypochlorite (100%)	–	D	C	B[2]	–	B	D	B
Sodium Hypochlorite (<20%)	B	D	A	A	C	A	A	B
Sodium Hyposulfate	–	–	–	–	–	–	–	–
Sodium Metaphosphate	–	B	B	A[1]	–	A[1]	–	A
Sodium Metasilicate	–	D	–	–	–	A	–	–
Sodium Nitrate	–	A	B	A[2]	–	A	–	D
Sodium Perborate	–	B	–	A[1]	–	A	–	B
Sodium Peroxyde	–	D	B	A	A[2]	B	–	D
Sodium Polyphosphate	–	B	B	A	–	A	–	D
Sodium Silicate	–	C	A	A[2]	–	A	–	A
Sodium Sulfate	–	B	–	A[2]	A[2]	A	–	A
Sodium Sulfide	–	B	B	A[2]	D	A	–	A
Sodium Sulfite	–	–	B	B[1]	–	A[2]	–	A
Sodium Tetraborate	–	B	B	A[2]	–	–	–	A
Sodium Thiosulfate (hypo)	–	C[1]	–	A[1]	D	A[2]	–	A
Sorghum	–	A	–	–	–	–	–	–
Soy Sauce	–	A	–	–	–	–	–	–
Stannic Chloride	–	C	–	A[2]	A[1]	A	–	B
Stannic Fluoborate	–	C	–	–	–	–	–	–
Stannous Chloride	–	–	–	B[2]	–	A	–	B
Starch	–	A	–	B	–	A[2]	–	–
Stearic Acid	–	A	A	B[1]	A[1]	A[2]	A	B
Stoddard Solvent	B	A	–	C[2]	A[2]	C	D	D
Styrene	–	A	–	–	D	–	–	D
Sugar (Liquids)	B	A	–	–	–	A	–	A
Sulfate (Liquors)	–	D	A	A[2]	–	A	–	B
Sulfur Chloride	–	D	–	C[1]	–	C[1]	–	C
Sulfur Dioxide	D	B	D	B[1]	–	A[1]	–	B
Sulfur Dioxide (dry)	–	B	A	A[1]	A[1]	A[1]	–	B
Sulfur Hexafluoride	–	–	–	B	–	–	–	B
Sulfur Trioxide	–	–	–	–	–	C	–	B
Sulfur Trioxide (dry)	–	D	–	C[1]	–	D	–	B
Sulfuric Acid (<10%)	B	D	A	A[1]	A[1]	A[2]	A	C
Sulfuric Acid (10-75%)	B	D	A	A[1]	B[1]	A[1]	B	D
Sulfuric Acid (75-100%)	–	–	B	C	D	C[1]	D	D
Sulfuric Scid (cold concentrated)	–	–	B	D	–	A[2]	D	D
Sulfuric Acid (hot concentrated)	–	–	B	D	D	D	D	D
Sulfurous Acid	–	C	B	B[2]	–	A	–	D
Sulfuryl Chloride	–	A	–	–	–	–	–	–
Tallow	–	A	A	C	–	A[2]	–	–
Tannic Acid	–	B	A	B[2]	C	A	A	B
Tanning Liquors	–	B	–	A[1]	–	A[1]	–	B
Tartaric Acid	–	B	A	A[1]	–	A	A	A
Tetrachloroethane	–	A	–	–	–	C	D	D
Tetrachloroethylene	–	A	C	B	D	D	–	D
Tetrahydrofuran	–	A	C	C[1]	D	C[2]	D	D
Tin Salts	–	–	–	–	–	A	–	B
Toluene (Toluol)	D	C[1]	D	C[1]	D	C[1]	D	D
Tomato Juice	B	B	A	A[1]	A[1]	A	–	–
Trichloroacetic Acid	–	–	C	A	D	A	–	D
Trichloroethane	–	A	D	–	D	C	D	D
Trichloroethylene	D	D	D	D	–	C[1]	D	D
Trichloropropane	D	A	–	–	–	–	–	–
Tricresylphosphate	B	C	–	B[1]	–	A[1]	–	C
Triethylamine	–	D	–	–	–	D	–	–
Trisodium Phosphate	B[1]	A	A	A	–	A	–	A
Turpentine	D	A[2]	B	D	D	D	D	D
Urea	B	A	A	A	D	A	–	B
Uric Acid	–	–	–	B	–	–	A	–
Urine	–	A	A	A[2]	–	A	–	–
Varnish	–	A	B	A	–	A	–	D
Vegetable Juice	B	A	–	–	–	–	–	B
Vinegar	A	B	A	A	A[2]	A	–	A
Vinyl Acetate	–	–	D	A	–	B[1]	–	D
Vinyl Chloride	D	–	–	–	–	–	–	–
Water, Deionized	–	–	A	–	–	A[2]	A	–
Water, Acid, Mine	B	A[1]	A	A[2]	B[2]	A	A	B
Water, Distilled	B	B	A	A[2]	A[2]	A	A	C
Water, Fresh	A	A[2]	A	A[2]	A[2]	A	A	B
Water, Salt	–	A	A	A[2]	A[2]	A	A	B
Weed Killers	–	A	–	–	–	–	–	A
Whey	–	A	–	–	–	–	–	–
Whiskey and Wines	C	A	B	C	A[1]	A	–	A
White Liquors (Pulp Mill)	–	D	–	A[2]	–	A[1]	–	A
White Water (Paper Mill)	–	B	–	–	–	A	–	–
Xylene	D	A	D	B	D	B	D	D
Zinc Chloride	A	C	A	A[1]	A[2]	A	B	B
Zinc Hydrosulfite	A	C	–	–	–	–	–	–
Zinc Sulfate	A	C	A	A[2]	A[2]	A	–	A

A - No effect
B - Minor effect
C - Moderate effect
D - Severe effect; not recommended
– No data available

Explanation of footnotes:

1 - Satisfactory to 72 °F (22 °C)
2 - Satisfactory to 120 °F (48 °C)
3 - Satisfactory to 90 °F (32 °C)
4 - Satisfactory to 200 °F (93 °C)

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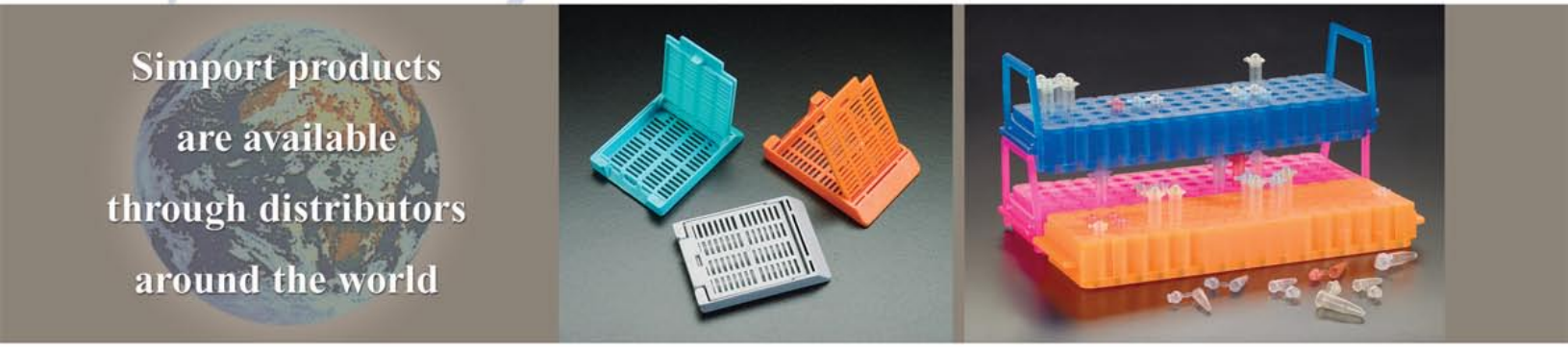

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