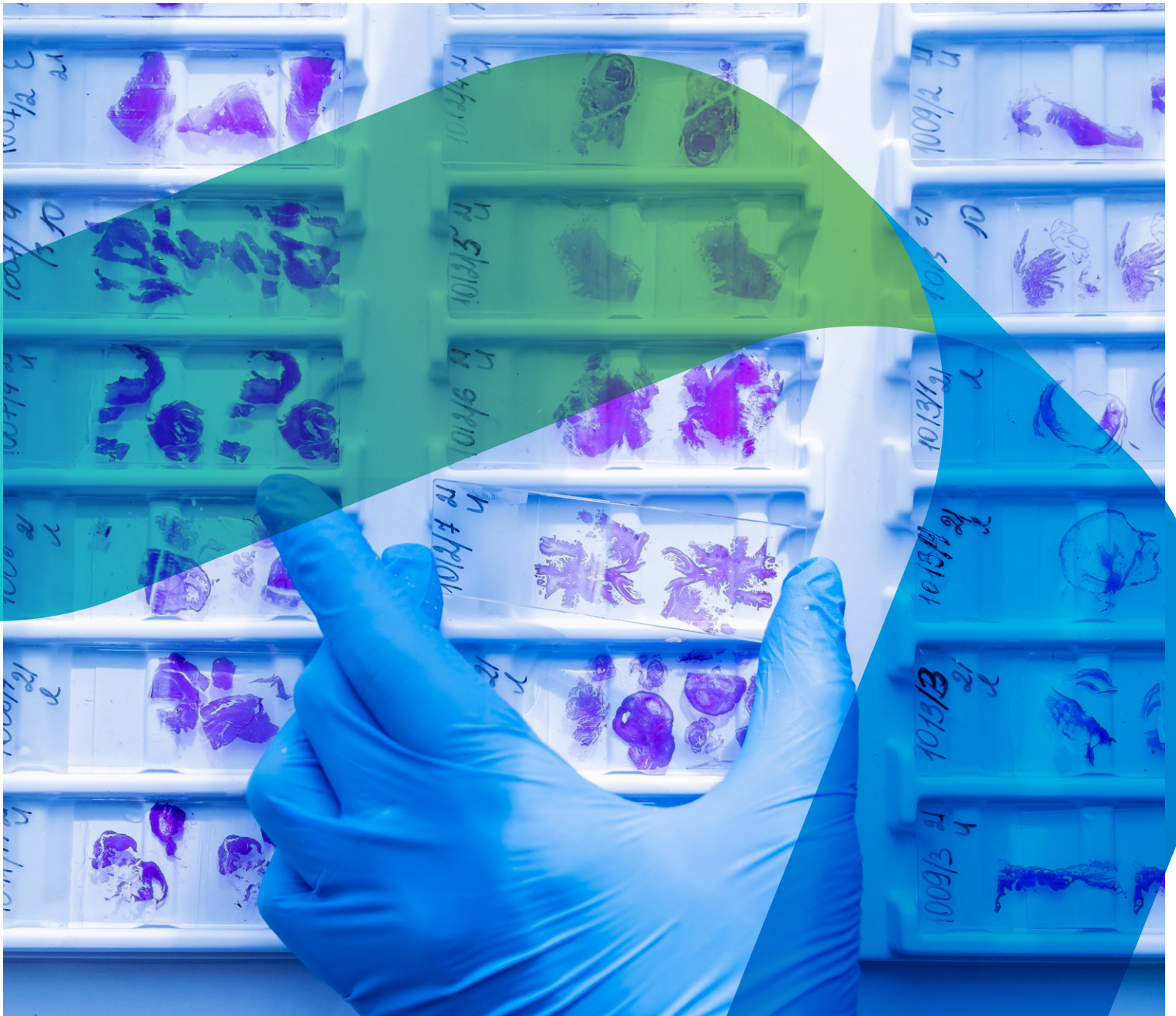


Anatomic Pathology/Histology



Stay on the cutting edge with VWR histology products



Cytology



Specimen collection and transport



Fixation and tissue processing



Embedding



Grossing, autopsy and sectioning



Staining



Coverslipping



Archiving and storage

Histology equipment and supplies

Histology is the study of the microscopic structure of cells and tissues. There are various techniques and methods for preparing tissues for examination by microscope.

For microscopic study, staining is used as an inspection technique to highlight important features of the tissue, but no single inspection technique will display all the cells of a tissue equally. More commonly, sections of a tissue sample are prepared to be examined by several types of microscopes.

Choosing the right histology equipment and supplies is quite important. When analysis is at the forefront of your lab practices, you need the best histology equipment to do cutting-edge research and medical testing. If you are having trouble deciding on the right supplies for your lab, let Avantor® assist you. Our professional guidance is here to point you in the right direction.

View Avantor's selection of histology equipment and histology supplies which can be used to prepare, preserve and process tissues, and cut and stain sections.



For more info visit:
us.vwr.com/cms/healthcare_histology



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Our commitment

Avantor is committed to providing histopathologists with a start-to-finish portfolio of histology products for everything from fixation and embedding, to staining and eventual diagnosis.

Product choice

Unparalleled choice with a complete portfolio of histology products. Avantor provides you with over 1 million products from best-in-class manufacturers. Our product offering is continually expanding to include foremost manufacturers as well as our collection of brands, providing quality products at the right price.

Enabling science for histotechnology

Avantor is a leading, global, independent provider of products, services and solutions. With more than 160 years of experience, Avantor has cultivated a value proposition that supports histologists with our unique approach to solution-based collaboration through product choice, operational excellence and differentiated services. Our dedicated team of more than 8,500 associates is focused on supporting you.

Operational excellence

Total solutions for laboratory needs on a global scale.

Delivering essential histology workflow solutions

Avantor is committed to providing histotechnicians with a start-to-finish portfolio of histology products, enabling you to achieve your goals.

You help others; let us help you

At Avantor, we know that the work you do helps improve the lives of patients. We're here to help you do that. We can help bring better efficiency and clarity to your work through a wide range of products designed to help both the clinician and the researcher improve productivity and reduce errors in the lab. Whether you diagnose cancer in a patient or find the cause of cancer in the laboratory, our selection of new products will make it easier for you to focus on the results, instead of the process.



Histology services

Better histology slides to meet your needs

Avantor Services has a team of certified histologists and technicians who can process, section and stain specimens according to your specifications.

Core capabilities:

- Comprehensive chain of custody sample management
- Three-point quality inspection for every slide to ensure consistent staining, clear tissue presentation and easily identifiable structures
- Wax, frozen or plastic thin sectioning
- Wide array of custom stains
- Immunohistochemical staining
- Custom tissue array development
- Embryology serial sectioning
- Histology consulting

State-of-the-art histology equipment:

- Automated tissue processors
- High-throughput slide stainers
- Automated coverslipper
- Advanced microtomes: standard and thin section
- Cryostat

Our complete range of custom slide capabilities includes a variety of tissue sampling, sectioning, mounting and staining options to meet your needs.

Just send us your specimen tissue. We'll do the rest!

Contact us at Histology_Service@vwr.com or 1.877.266.4010.

For more info, visit:

us.vwr.com/cms/avantor_services_histology_services



Our state-of-the-art histology lab in Rochester, NY, is a registered human tissue bank that manufactures over 40,000 slides per month with a 98% acceptance rate.

"I highly recommend Avantor Services for histology services. They are well suited to high-throughput slide preparation, yet provide personalized service."

Gail M. Seigel, PhD, the State University of New York at Buffalo



Cytology

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ROVERS® PAP SMEAR COLLECTION TOOLS, PURITAN MEDICAL PRODUCTS

These brushes are used to collect cervical cells for conventional Pap smears or in conjunction with the monolayer prep process. The Cervex-Brush® has semicircular polyethylene bristles of various lengths to collect endocervical, ectocervical and transformation zone cells without the use of a spatula. The Cervex-Brush® Combi replaces the middle bristles of the Cervex-Brush® with a complete endocervical brush to allow for simultaneous Pap smear collection of ectocervical and endocervical cells with a single device insertion. These brushes should not be used during pregnancy. The polypropylene spatula may be used in conjunction with the brushes. It has a curved, detachable head for use with liquid-based monolayer processing systems. Nonsterile.



Rovers® Cervex-Brush® Combi Cervical Brush

Description	Handle length	Handle width	Head length	Head width	Length	Overall length	Sterility	Unit	Cat.No.
Cervex-Brush®	166.7 mm (6.5")	4.4 mm (0.17")	28.5 mm (1.25")	19 mm (0.75")	20.3 cm (8")	203.2 mm (8")	Nonsterile	Case of 875	95056-636

PURITAN® HISTOBUSHES®, PURITAN MEDICAL PRODUCTS

Histobrushes® are for cervical specimen collection, Pap smear tests, and buccal collection for DNA lineage. Feature tapered histobrush tip, soft tapered nylon bristles and polystyrene handle.



Histobrush

Ordering information: Brushes are individually wrapped and packaged 100 per box, 10 boxes per case.

Description	Handle length	Handle width	Head length	Head width	Length	Overall length	Sterility	Unit	Cat.No.
Cytology Brush	157.9 mm (6.2")	3.1 mm (0.121")	19.05 mm (0.75")	5.08 mm (0.2")	17.8 cm (7")	177.8 mm (7")	Nonsterile	Case of 1,000	10805-198

PURITAN® ENDO CERVEX BRUSH, PURITAN MEDICAL PRODUCTS

Endocervical brush is a cytology collection device for chlamydia/gonorrhea testing, liquid-based Pap smear preparation/testing and traditional sample preparation. Flexible bristle head, tip and handle are all polypropylene. Nonsterile.



Endo Cervex Brush

Ordering information: Packaged 50 per bag, 20 bags per case.

Description	Handle length	Handle width	Head length	Head width	Length	Overall length	Sterility	Unit	Cat.No.
EndoCervex-Brush®	167.5 mm (6.6")	4.4 mm (0.17")	33.8 mm (1.3")	5.4 mm (0.2")	20.3 cm (8")	203.2 mm (8")	Nonsterile	Case of 1,000	10808-150

* Some products are only available in certain regions.



EPREDIA™ CYTOSPIN™ 4 CYTOCENTRIFUGE, EPREDIA™

Gain all the advantages of the ultimate thin-layer cell preparation system with the EpreDia™ Cytospin™ 4 Cytocentrifuge. This reliable benchtop centrifuge provides economical thin-layer preparations from any liquid matrix, especially hypocellular fluids such as spinal fluid and urine.

- Processes 12 specimens at one time
- Accepts all protocols from Cytospin 1, 2 and 3
- Allows for one-handed opening and closing with a redesigned lid-release mechanism
- Enables viewing of the sealed head through the polycarbonate window during operation
- Protects mechanical and electronic components from damage due to accidental fluid spills
- Designed for easy disinfection
- Meets stringent IEC 61010 safety standards
- Allows loading of the sealed head inside a microbiological cabinet for ultimate safety
- Features an auto-locking, plastic outer lid
- Operates only when lid is locked and keeps lid locked during rotation
- Includes disposable sample chambers with caps and a wipe-clean control panel

Cytocentrifugation constructively flattens cells for excellent nuclear presentation. Spinning action tilts the EpreDia™ Cytofunnels™ upright and centrifuges cells onto the deposition area of the slide. Gives all cell types equal opportunity for presentation. Tilting feature reduces cell loss by preventing residual fluid from coming into contact with the prepared slide.

Pull-out program card logs up to nine programs for fast, convenient retrieval. Protected program memory stores up to 23 routines for instant recall and protects from power loss. Easy-touch program keypad allows for easier keystrokes and more intuitive programming. Speed window displays programmed spinning speeds from 200 to 2000rpm. Three acceleration-control buttons allow the operator the flexibility to protect fragile samples. Time window displays the programmed and remaining run time from 1 to 99. Control feature has a standby power-saving mode; displays are also turned on and off by the standby key.

Sounds an audible alarm when the cytocentrifuge is out of balance, outside the speed tolerance or if the lid is not properly locked. Uses specimen safety alarms at one-minute intervals to remind users to remove specimens to prevent air drying and ensure consistent results. Deposits cells onto a clearly defined area of a glass slide and allows for the absorption of the residual fluid into the sample chamber's filter card.



Description	Electrical	Dimensions	Weight	Unit	Cat.No.
Cytospin™ 4 Cytocentrifuge	100/240 V, 50/60 Hz	62L×40.5W×9.5H cm (24.5×16×25")	12 kg (26.5 lbs.)	Each	89404-828

ACCESSORIES FOR EPREDIA™ CYTOSPIN™ 4 CYTOCENTRIFUGE, EPREDIA™

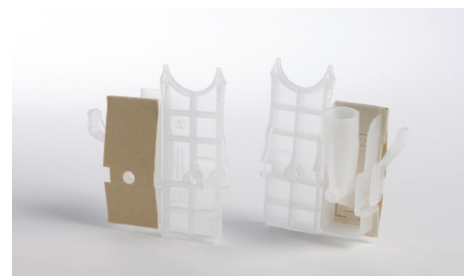
Description	Unit	Cat.No.
EZ Cytofunnel™ starter kit	Each	89370-864

EZ SINGLE CYTOFUNNEL™ WITH BROWN FILTER CARDS, EPREDIA™

Use the EpreDia™ EZ Single Cytofunnel™ with brown filter cards for sample volumes of 0.4 ml or less.

- Cell deposition area of 6 mm in diameter (28 mm²)
- Pre-attached brown filter card for slower absorbency

Description	Unit	Cat.No.
40/Box	Case of 40	89370-860



EZ SINGLE CYTOFUNNEL™ WITH WHITE FILTER CARDS AND CAPS, EPREDIA™

Optimize cell yield with the EpreDia™ EZ Single Cytofunnel™ with white filter cards and caps.

- Reduces the risk of exposure to pathogenic samples
- Disposable to eliminate time-consuming decontamination and cleaning
- Decreases the possibility of cross-contamination
- Eliminates the need for metal EpreDia™ Cytoclips™

A disposable sample chamber with cap and pre-attached white filter card for high absorbency, this product is meant for single use with all EpreDia™ Cytospin™ Cyto centrifuge applications.

Produces more cost-effective, thin-layer preparations when compared to other thin-layer methods. Holds sample volumes up to 0.5 ml.

Description	Unit	Cat.No.
40/Box	Case of 40	89370-858
200/CS	Case of 200	89370-866



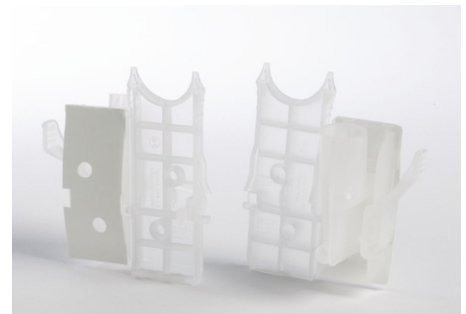
EZ DOUBLE CYTOFUNNEL™, EPREDIA™

Double the number of sample presentations per run with the EpreDia™ EZ Double Cytofunnel™.

- Disposable sample chambers with white filter cards and caps
- Funnel markings corresponding to slide markings for simple identification
- Pre-attached filter card

Ideal for use with immunohistochemistry techniques.

Description	Unit	Cat.No.
40/Box	Case of 40	89370-862
200/CS	Case of 200	89370-868



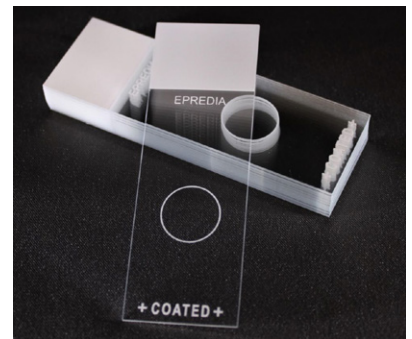
CYTOSLIDE™ MICROSCOPE SLIDES, EPREDIA™

Improve processing and visualization of small-volume specimens with these cytoslides, for use with Shandon™ EZ Single Cytofunnels™ on the EpreDia Cytospin™ cyto centrifuge.

- Uncoated slides available with circle on front or back
- Available in boxes of 100 slides

Ideal for use with immunohistochemistry techniques.

Description	Unit	Cat.No.
Coated; Circle on back	Case of 100	89404-836
Non-coated; Circle on back	Case of 100	89404-830



CYTOLOGY SPIN SLIDES, AZER SCIENTIFIC

Cytology Spin slides are compatible with EpreDia centrifuge systems and are designed to aid in the quick and easy location of the centrifuged smear. Available with single or double wells, slides feature well placement in the exact position where the centrifuge specimen is deposited. Available with or without adhesive coating.

Description	Cat.No.
Uncoated Slides	
Single Well	95042-274
Double Well	95042-276
Positively Charged Slides	
Single Well	95042-270
Double Well	95042-272



* Some products are only available in certain regions.



CYTOLOGY FUNNELS FOR SHANDON CYTOSPIN™ CENTRIFUGE, BIOMEDICAL POLYMERS

Single-use funnels are available in single or double configurations and are fully compatible with the EpreDia CytoSpin centrifuge.

- These funnels deposit a thin layer of cells onto a microscope slide in a clearly defined area of 6 mm
- Double funnels deposit cells onto two locations on a slide

Stainless steel funnel clips hold the cytology funnels snugly against the slide during the centrifugation process. Clips will not rust or corrode and are also compatible with the CytoSpin centrifuge. Disposable plastic funnel clips can replace standard metal clips, eliminating the need to sanitize clips after each use. Pre-attached white filter cards absorb any excess fluid. Brown filter cards provide slower absorption of fluids, useful when working with scanty samples and applications involving spinal fluids.



Description	Sample volume	Cat.No.
Single Cytology Funnel, Brown Filter Card	0.4 mL (max. per slide)	95041-528
Single Cytology Funnel, White Filter Card	0.4 mL (max. per slide)	80094-254
Single Cytology Funnel, White Filter Card, Bulk Pack	0.4 mL (max. per slide)	80094-256
Double Cytology Funnel, White Filter Card	0.25 mL (max. per slide)	80094-258
Double Cytology Funnel, White Filter Card, Bulk Pack	0.25 mL (max. per slide)	80094-260



SAFETEX NO-TOUCH® PAP SMEAR KITS, ANDWIN SCIENTIFIC

Kits include all the components needed for specimen collection, smear preparation, fixation and courier transport to the laboratory.

They provide excellent structural support for the specimen slide and adhesive-free slide attachment, allowing it to be easily removed from the folder. Kits contain various combinations of one or two slides, cervex brushes, wood scrapers, cytology brushes, cotton swabs and fixative sprays and pouches. Cervex brushes collect all essential cells for tracing the early stages of cervical cancer. The bristles collect endo-, ectocervical and T-zone cells. The soft, flexible bristles reduce the risk of injury during examination. Cytology brushes allow for collection of endocervical, chlamydia and HPV cells, and reduce the chances of false negative specimens. Sprays and pouches contain a non-aerosol fixative made of a water- and alcohol-soluble polyethylene glycol formulation used for affixing clinical specimens. A tough thin film forms to maximize cell preservation and ensure an optimum staining environment. Fixative is available in spray pump bottles or single-use foil pouch pack.



Description	Sample volume	Cat.No.
Pap Smear Kit with 1 Slide, Broom-Style Cervex Brush	Pack of 25, Case of 500	80094-616
Accessories		
118.3 mL (4 oz.) Fixative Spray Pump	Case of 12 (1/ltn/Bx)	15156-150



URINE CYTOLOGY/FISH TESTING COLLECTION AND TRANSPORTATION KIT, THERAPAK®

Kit contains the components necessary for urine cytology / FISH testing

The primary collection container is pre-filled with a urine preservative solution suitable for maintaining specimen viability after the urine content is transferred into the container for transport to the laboratory. To use, place two ounces of urine and two vials of preservative in the blue-cap container. The container is protected with a foam insert inside a transport bag and shipping box



Description	Unit	Cat.No.
Collection and Transportation Kit	Case of 30	89171-030

* Some products are only available in certain regions.



CYTOSEP™ CYTOLOGY FUNNELS FOR THE SHANDON CYTOSPIN® CYTOCENTRIFUGE, SIMPORT SCIENTIFIC

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.

For sample volumes of up to 0.5 ml, use the Simport CytoSep™ Cytology Funnel with a white filter Card and cap. For samples volumes of up to 0.4 ml, use the CytoSep™ Cytology Funnel with brown filter card and cap. It allows for a slower absorption of fluids. Can be used with all stainless steel slide clips. Double funnel allows for two samples to be run simultaneously on a single slide.

Plastic components made of polypropylene. The disposable 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.



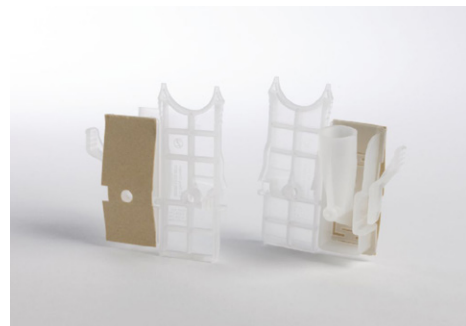
Description	Sample volume	Cat.No.
Single Funnel with White Filter and Cap	Pack of 50, Case of 500	89305-072

CYTOSEP™ CYTOLOGY FUNNELS FOR THE STATSPIN® CYTOFUGE®, SIMPORT SCIENTIFIC

Disposable cell concentrator.

- Accepts 50 to 400 µl of sample
- Produces cell monolayer presentations of excellent quality

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.



Description	Unit	Cat.No.
CytoSep™ Cell Concentrator for StatSpin® Cytofuge®	Case of 48	76006-464

20

Specimen collection and transport

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VWR® SHARPS CONTAINER SYSTEMS, MULTIPLE COLORS AND STYLES

Sharps container systems provide solutions for the safe and effective containment and disposal of contaminated needles, syringes and other sharps.

The stackable sharps containers are puncture-resistant and autoclave- and incinerator-safe. The tortuous path systems restrict hand entry.

The extended neck sharps containers feature a funneled vertical drop and extended handles. Puncture-resistant and autoclave- and incinerator-safe.

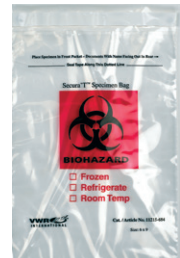


Description	Capacity	Style	Dimensions	Color	Unit	Cat.No.
VWR® Sharps Container, Flip Up Lid						
Small	0.95 L (32 oz.)	Stackable	8.9W×8.9D×17.8H cm (3.5W×3.5D×7"H)	Red	Each/Case of 72	19001-001
Medium, Tortuous Path	3.8 L (1 gal.)	Stackable	25.4W×17.8D×17.1H cm (10W×7D×6.75"H)	Red	Each/Case of 12	19001-005
Large, Tortuous Path	7.6 L (2 gal.)	Stackable	25.4W×17.8D×28.6H cm (10W×7D×11.25"H)	Red	Case of 10	19001-008
X-Large	30.3 L (8 gal.)	Stackable	28.6W×28.6D×34.9H cm (11.25W×11.25D×14"H)	Red	Each/Case of 10/Pallets 90	19001-010
XX-Large	60.6 L (16 gal.)	Stackable	28.6W×28.6D×64.8H cm (11.25W×11.25D×25.5"H)	Red	Each/Case of 6	19001-013
VWR® Sharps Container, Mailbox Style Lid						
Medium	3.8 L (1 gal.)	Stackable	25.4W×17.8D×12.7H cm (10W×7D×5"H)	Red	Each/Case of 24	19001-003
Large	7.6 L (2 gal.)	Stackable	25.4W×17.8D×24.1H cm (10W×7D×9.5"H)	Red	Each/Case of 24	19001-006
VWR® Sharps Container Neck Shape Style						
Small	4.5 L (1.1 gal.)	Non-Stackable	25.4W×15.2D×22.9H cm (10W×6D×9"H)	Red	Each/Case of 12	19001-023
Medium	5.9 L (1.6 gal.)	Non-Stackable	25.4W×15.2D×27.9H cm (10W×6D×11"H)	Red	Each/Case of 12	19001-025
Large, Wide Opening	11.4 L (3 gal.)	Non-Stackable	30.5W×22.9D×27.9H cm (12W×9D×11"H)	Red	Case of 12	19001-028
Tall Tray Size	1.6 L (54.1 oz.)	Non-Stackable	8.9W×8.9D×25.4H cm (3.5W×3.5D×10"H)	Red	Case of 20	19001-016
Tall Tray Size with Needle Remover	1.6 L (54.1 oz.)	Non-Stackable	8.9W×8.9D×25.4H cm (3.5W×3.5D×10"H)	Red	Case of 20	19001-020

VWR® BIOHAZARD SPECIMEN BAGS

Designed for safe and secure transport of a specimen container and documentation, these 2-mil bags feature a pouch to keep the paperwork separate from the container. They have a self-sealing closure, are tamper-evident and can be personalized.

Dimensions	Unit	Cat.No.
22.9 x 30.5 cm (9 x 12")	Case of 500	11215-682
15.2 x 22.9 cm (6 x 9")	Case of 500	11215-684



VWR® SPECIMEN CONTAINERS, POLYPROPYLENE WITH POLYETHYLENE CAPS

Durable, translucent containers may be used for storage or transport of most liquid or solid specimens. Tolerate strong acids, bases and most organic solvents. Graduated in both avoirdupois and metric units. Withstand temperatures -10 to 130°C (14 to 266°F) continuously or -10 to 140°C (14 to 284°F) for a short period.

Ordering information: Each specimen container is supplied with a purple polyethylene screw cap.

Capacity	Cap Color	Cap Size	Sterility	Packaging	Cat.No.
120 mL (4.0 oz.)	Blue	46.00 mm	Sterile	Bulk Packed, Peel Pouches	15704-092
133 mL (4.5 oz.)	White	57.15 mm	Sterile	Bulk Packed, Individually Wrapped	15704-085
133 mL (4.5 oz.)	White	57.15 mm	Sterile	Bulk Packed, Individually Wrapped with Lids	25384-078
133 mL (4.5 oz.)	Purple	57.15 mm	Sterile	Bulk Packed, Peel Pouches	25384-146
133 mL (4.5 oz.)	White	57.15 mm	Sterile	Bulk Packed, Peel Pouches	15704-088
133 mL (4.5 oz.)	Purple	57.15 mm	Sterile	Bulk Packed, Tamper Tab	25384-144
133 mL (4.5 oz.)	Purple	57.15 mm	Nonsterile	Sleeves, Containers and Sleeves, Lids	25384-148
150 mL (4.5 oz.)	Multi	63.50 mm	Nonsterile	Sleeves, Containers and Sleeves, Lids	15704-087



SPECIMEN COLLECTION AND TRANSPORT

VWR® POLYPROPYLENE SPECIMEN CONTAINERS

Sturdy, shatter-resistant containers are manufactured from transparent polypropylene to allow constant sample viewing. Containers feature molded graduations in 10 mL and 0.5 oz. increments. Polyethylene snap-on lids are sold separately, except where noted. Lids create a secure seal and offer space for date, name, doctor and room number molded into the surface. Components are available in nonsterile or sterile formats.

Ordering information: Lids fit both 5 and 8 oz. containers. Bulk items are packaged 20 per bag, 25 bags per case.

Description	Capacity	Dimensions	Sterility	Packaging	Cat.No.
Container	148 mL (5 oz.)	73.7 Dia x 66.3 H mm	Nonsterile	Bulk	89107-308
Container	148 mL (5 oz.)	73.7 Dia x 66.3 H mm	Sterile	Bulk	89125-840
Container	237 mL (8 oz.)	73.7 Dia x 100.5 H mm	Nonsterile	Bulk	89107-310
Container	237 mL (8 oz.)	73.7 Dia x 100.5 H mm	Sterile	Bulk	89125-842
Container with Lid	237 mL (8 oz.)	73.7 Dia x 100.5 H mm	Sterile	Individually Wrapped	89125-846
Lid	—	—	Nonsterile	Bulk	89107-312
Lid	—	—	Sterile	Bulk	89125-850



VWR® HDPE MULTIPURPOSE CONTAINERS

Translucent containers for the storage of pathology, industrial and environmental samples. Containers are made of high quality plastic to resist breakage and come in a wide range of sizes. The matching cap snaps on tight for a secure fit. The 4800mL container is equipped with a handle for portability.

Capacity	Dimensions	Cat.No.	Capacity	Dimensions	Cat.No.
120 mL (4 oz.)	7 Dia. x 5.7H cm (2 ³ / ₄ x 2 ¹ / ₄ ")	89009-662	1.9 L (64 oz.)	16.5 Dia. x 11.4H cm (6 ¹ / ₂ x 4 ¹ / ₂ ")	89009-670
250 mL (8.5 oz.)	8.9 Dia. x 6H cm (3 ¹ / ₂ x 2 ³ / ₈ ")	89009-664	2.5 L (84.5 oz.)	16.5 Dia. x 16.5H cm (6 ¹ / ₂ x 6 ¹ / ₂ ")	89009-672
473 mL (16 oz.)	8.9 Dia. x 8.9H cm (3 ¹ / ₂ x 3 ¹ / ₂ ")	89009-666	4.7 L (125 gal.)	21.6 Dia. x 16.5H cm (8 ¹ / ₂ x 6 ¹ / ₂ ")	89038-282
946 mL (32 oz.)	11.4 Dia. x 12H cm (4 ¹ / ₂ x 4 ³ / ₄ ")	89009-668	5 L (1.3 gal.)	22.3 Dia. x 17.9H cm (8 ²⁵ / ₃₂ x 7")	89009-674



VWR® CLIKSEAL SPECIMEN CONTAINERS

Sterile, straight-sided specimen containers are made of break-resistant polypropylene. The blue polyethylene closure seals with an audible click, assuring superior leak resistance. Closures are tamper-sealed.

Capacity	Opening Dimensions	Cat.No.
90 mL (3 oz.)	48 mm (1 ⁷ / ₈ ")	15704-002
120 mL (4 oz.)	48 mm (1 ⁷ / ₈ ")	15704-008



VWR® DISPOSABLE TISSUE GRINDERS

These disposable tissue grinders are safe and easy to use. Their patented closed system has the ability to grind specimen in a sealed container, helping to prevent contact with the sample. The molded abrasive surface does not leave any sediment to obstruct examination of the sample.

Fully assembled and gamma-sterilized. An extra cap and identification label are provided for storage, transport and added safety. The 35 mL grinder (47732-448) is designed to be freestanding for easier handling.

Description	Capacity	Cat.No.
Conical	15 mL	47732-446
Conical	50 mL	47732-450
Freestanding	35 mL	47732-448
Ultra Tissue	15 ml	95026-662
Ultra Tissue	50 ml	95026-664



VWR® PREFILLED HISTOLOGY CONTAINERS, 10% NEUTRAL BUFFERED FORMALIN (NBF)

Containers are half-filled with 10% neutral buffered formalin for the collection and transport of tissue samples. Each container is made of high-clarity virgin polypropylene and includes a polyethylene screw cap. Caps feature dual thread closures and a leak-resistant seal to protect specimens. All containers sized 20mL through 120mL are 95 kPa compliant.

Small-sized prefilled formalin containers (20mL and 40mL) feature a click-top closure. The first click assures users the seal is fully engaged. The second click ensures 95 kPa compliance. This click-top design prevents leaking formalin containers and ensures safe specimen transport.

Containers sized 20mL through 120mL are packaged in transport packs with handles. This packaging design allows for easy distribution to other labs and doctors' offices. The inner packaging is made of chipboard material and is safe for operating room use.



Description	Capacity	Cat.No.
Prefilled 10% Neutral Buffered Formalin	20 mL	16004-112
Prefilled 10% Neutral Buffered Formalin	40 mL	16004-115
Prefilled 10% Neutral Buffered Formalin	60 mL	16004-117
Prefilled 10% Neutral Buffered Formalin	90 mL	16004-119
Prefilled 10% Neutral Buffered Formalin	120 mL	16004-121

Description	Capacity	Cat.No.
Prefilled 10% Neutral Buffered Formalin	180 mL	16004-122
Prefilled 10% Neutral Buffered Formalin	240 mL	16008-000
Prefilled 10% Neutral Buffered Formalin	480 mL	16004-124
Prefilled 10% Neutral Buffered Formalin	1000 mL	16004-130
Prefilled 10% Neutral Buffered Formalin	3840 mL	16008-002

VWR® ABSORBENT UNDERPADS WITH WATERPROOF MOISTURE BARRIER

These super absorbent underpads feature a multi-layer, cushioned construction that is breathable yet absorbent enough for hospital and laboratory use.

Backing color	Absorbency	WxL	Unit	Cat. No.
Deluxe Absorbent Underpads				
Blue	340 ml	43.2 x 61 cm (17 x 24")	Pack of 10 Case of 300	56617-018
Blue	340 ml	43.2 x 61 cm (17 x 24")	Case of 300	56616-018
Standard Absorbent Underpads				
Blue	200 ml	43.2 x 61 cm (17 x 24")	Pack of 50 Case of 300	82020-845
Blue	200 ml	43.2 x 61 cm (17 x 24")	Case of 300	56617-014



VWR® LABORATORY BENCH AND TABLE PROTECTORS WITH LEAKPROOF MOISTURE BARRIER

These super absorbent bench protectors feature a two-layer, cushioned construction that is ideal for use in a laboratory or veterinary setting.

Description	WxL	Unit	Cat. No.
Mat	45.7 x 50.8 cm (18 x 20")	Case of 350	89126-794
Roll	50.8 cm x 45.8 m (20" x 150')	Case of 2	89126-790
Roll	50.8 cm x 91.5 m (20" x 300')	Case of 2	89126-792



HISTOLOGY BUCKET WITH LID, THERAPAK®

These polypropylene histology buckets are conveniently packed in case quantities and each bucket features a carrying handle and snap-on lid

The lid secures tightly to the bucket to reduce odor. The buckets are autoclavable, easy to stack, and are resistant to cracking when exposed to common cytology and histology based chemicals such as formaldehyde.

Description	Capacity	Unit	Cat.No.
Histology bucket with lid	2 L (0.5 gal.)	Case of 20	10497-264
Histology bucket with lid	5 L (1.3 gal.)	Case of 10	10497-266
Histology bucket with lid	8 L (2.1 gal.)	Case of 10	10497-268



* Some products are only available in certain regions.

SPECIMEN COLLECTION AND TRANSPORT

VWR® FREEZE SPRAY

Freeze Spray for electrical equipment or electronics.

- Filtered for 100% purity
- Odorless
- Leaves no residue
- Non-flammable/Non-conductive
- Moisture-free
- Very low order of toxicity

The fastest coolant available. Five-inch polyethylene "snorkel" pinpoints freezing power exactly where needed. It cools to -60°F (-50° C) in three seconds. Saves time and eliminates water crystals caused by slower freezing methods. Pressurized liquid non-flammable gas.

A trigger-actuator valve provides controlled delivery. The pure formulation and unique valve provide superior chilling properties. Chills faster, uses less refrigerant and maintains lower temperatures than products that use inexpensive filler material.

Certifications: DOT-1,1,2 Tetrafluoroethane, Non-flammable gas UN1078 DOT-E-10232, CAS No. 811-97-2.

Caution: Facilitates compliance with ENVIRONMENTAL and OSHA standards and contains no chlorofluorocarbons or hydrofluorocarbons. Contents under very high pressure. Pressure at 70°F (21°C) equals 71.2 PSIG, 100°F (38°C) equals 124.3 PSIG, and 130°F (55°C) equals 198.9 PSIG. Do not puncture or incinerate container. Do not store above 120°F (49°C).



Description	Size	Cat.No.
VWR Freezer Spray	296 g (11 oz.)	75780-352



STATFREEZE™ FREEZESPRAY, 152A REFRIGERANT, STATLAB

Ozone safe, does not contain CFC's OR HCFC's. Used to quickly cool paraffin blocks and fresh tissue in frozen sections. Sleek bottle is easy to hold and equipped with trigger nozzle and 5" tube to help direct spray.

Description	Volume	Size	Unit	Cat. No.
StatFreeze™ Freezespray, 152a refrigerant	9 oz	1 Case (6 per case)	Case of 6 (1/lbm/Bx)	76548-222



FORMALIN 10%, STATCLICK™, NEUTRAL BUFFERED PREFILLED FIXATIVE VIALS, STATLAB

Neutral buffered formalin prefill jars - small. StatClick™ containers produce an audible "clicking" sound when the leak-proof seal has been properly engaged, assuring accurate closure and maintaining specimen integrity during transport.

Size	Cat. No.
120 ml (96 per case)	76548-162
20 ml (960 per case)	76548-166
20 ml (96 per case)	76548-164
40 ml (96 per case)	76548-156
60 ml (96 per case)	76548-158
90 ml (96 per case)	76548-160



HISTOWARE™ PREFILLED SPECIMEN CONTAINERS, CAPPLUGS

Histoware™ line features multiple capacity screw-cap vials prefilled with 10% buffered formalin.

- Histoware vials nearly transparent and virtually unbreakable

Each size of prefilled vials contains half the nominal capacity of preservative.

Material	Color	Fill volume	Cap color	Unit	Cat.No.
PPC	Natural	3.5 ml	Green	Carton of 200	76535-034
PPC	Natural	15 ml	Green	Carton of 100	76535-036
PPC	Natural	30 ml	Green	Carton of 50	76535-038





HISTOPLEX™ HISTOLOGY CONTAINERS, STARPLEX

These nonsterile containers are carefully engineered for the storage of histology specimens. The 20mL, 40mL, 60mL, and 90mL containers are clear polypropylene and have graduations for easy fill line viewing. They feature a yellow, molded O-Ring screw-on cap, which forms a seal that eliminates most formalin leakage and evaporation. They also feature reinforced top and bottom, and a full circle cap thread to eliminate cross-threading. Containers are straight sided to save space in storage areas. The 250mL, 500mL, and 1000mL containers are the same except they feature a ribbed cap that is easy to handle, even with wet gloves.



Description	Capacity	Label type	Sterility	Unit	Cat. No.
O-Ring Containers	20 ml (0.67 oz.)	Included	Nonsterile	Case of 200 (20 ml)	CA73240-090
O-Ring Containers	40 ml (1.4 oz.)	Included	Nonsterile	Case of 600 (40 ml)	CA73240-096
O-Ring Containers (without Lids)	40 ml (1.4 oz.)	Not Included	Nonsterile	Case of 900	CA66410-049
O-Ring Containers	60 ml (2 oz.)	Affixed	Nonsterile	Case of 500	CA73240-100
O-Ring Containers	90 ml (3 oz.)	Affixed	Nonsterile	Case of 400	CA73240-040L
O-Ring Containers	250 ml (8.5 oz.)	Included	Nonsterile	Case of 100	CA73240-048
O-Ring Containers	500 ml (16.9 oz.)	Included	Nonsterile	Case of 100	CA73240-052
Tamper Evident Containers	500 ml (16.9 oz.)	Included	Nonsterile	Case of 100	CA95038-620
O-Ring Containers	1 L (33.8 oz.)	Included	Nonsterile	Case of 100	CA73240-058
Tamper Evident Buckets	9.5 L (2.5 gal.)	Included	Nonsterile	Case of 8 (10 L)	10799-382
Tamper Evident Containers	1 L (33.8 oz.)	Included	Nonsterile	Case of 100	CA95038-618
Tamper Evident Buckets	2 L (67.6 oz.)	Included	Nonsterile	Case of 20	CA73240-062
Tamper Evident Buckets	5 L (1.3 gal.)	Included	Nonsterile	Case of 10	CA73240-064
Tamper Evident Buckets	8 L (2.1 gal.)	Included	Nonsterile	Case of 10	CA73240-066
Tamper Evident Buckets	20 L (5.2 gal.)	Tamper Evident Buckets	Nonsterile	Case of 2 (20 L)	CA73240-068



HISTOTAINTER™ PREFILLED SPECIMEN CONTAINERS, WITH 10% NEUTRAL BUFFERED FORMALIN, SIMPORT SCIENTIFIC

Shatter resistant and leak proof polypropylene containers are designed for collection, transport, and storage of histology specimens. The HistoTainer™ II includes a regular leak-proof screw cap.

Description	Capacity	Unit	Cat. No.
HistoTainer™ II Specimen Containers	20 ml	Case of 96	CA10662-320
HistoTainer™ II Specimen Containers	40 ml	Case of 96	CA10662-322
HistoTainer™ II Specimen Containers	60 ml	Case of 96	CA10662-324
HistoTainer™ II Specimen Containers	90 ml	Case of 96	CA10662-326
HistoTainer™ II Specimen Containers	120 ml	Case of 96	CA10662-328



PATHOLOGY CONTAINERS, SCREW TOP, MOPEC®

Mopec's screw top pathology containers are made from a high-quality, clarified polypropylene material. The screw-top lid creates a leak-resistant closure that increases safety for laboratory employees and helps protect pathology specimens during transportation. Containers are nonsterile and available in multiple sizes.

Description	Capacity	Unit	Cat. No.
Screw top pathology containers	120 ml	Case of 370	76579-418
Screw top pathology containers	180 ml	Case of 270	76579-424
Screw top pathology containers	240 ml	Case of 168	76579-428
Screw top pathology containers	480 ml	Case of 112	76579-438
Screw top pathology containers	1000 ml	Case of 100	76579-406



* Some products are only available in certain regions.

SPECIMEN COLLECTION AND TRANSPORT



DISPOSABLE BIOPSY PUNCHES, INTEGRA™ MILTEX®

These biopsy punches offer the convenience of single-use disposability without sacrificing quality, feel or performance. All punches feature seamless, stainless-steel, razor-sharp edges to eliminate torn or pulled biopsies. Ribbed handles provide comfort and control. Punches are color-coded with sizes clearly marked. Sterile, five-year shelf life. Plunger-system models are available in five sizes and offer the added benefit of effortless ejection of lodged specimens. Non-plunger-system models are available in ten sizes for a wide range of procedures.

Ordering information: Assorted sizes include 10 each of the following diameters: 2 mm, 3 mm, 4 mm, 5 mm and 6 mm.



Diameter	Shape	Unit	Cat.No.
With Plunger System			
4.0 mm	Straight	Pack of 25	95039-102
Without Plunger System			
6.0 mm	Straight	Pack of 50	21909-144
4.0 mm	Straight	Pack of 50	21909-140
8.0 mm	Straight	Pack of 50	21909-146
5.0 mm	Straight	Pack of 50	21909-142

IRIS SCISSORS, INTEGRA® MILTEX®

Stainless steel.

Length	Blade type	Unit	Cat.No.
10.2 cm (4")	Curved	Each	21909-522
10.2 cm (4")	Straight	Each	21909-520
11.4 cm (4½")	Straight, Tungsten Carbide Inserts	Each	21909-714
11.4 cm (4½")	Straight	Each	21909-404
11.4 cm (4½")	Curved	Each	21909-406



DISPOSABLE SCALPELS, STERILE, INTEGRA™ MILTEX®

Scalpels feature plastic handles and razor-sharp, stainless steel blades for superior cutting and clean incisions. Size is clearly marked on each blade. Safety sleeve protects both user and blade. Individually packaged in sealed, peel-apart pouches. Five-year shelf life.

Blade no.	Unit	Cat.No.
10	Pack of 10	21909-654
11	Pack of 10	21909-656
21	Pack of 10	21909-664
22	Pack of 10	21909-666



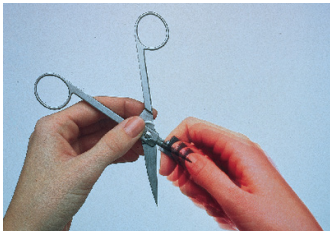
TISSUE-TEK® ACCU-EDGE® REPLACEABLE BLADE DISSECTING SCISSORS, SAKURA® FINETEK

For sharp scissors every time when performing anatomical sectioning of tissue.

Eliminates the time, expense and inconvenience of sharpening. A special tool easily inserts and safely removes blades. Autoclavable. Corrosion-resistant, stainless steel blades are available with blunt or sharp pointed tip.

Ordering information: Blades sold separately, 5 pairs per case.

Description	Length	Unit	Cat.No.
Replaceable Blade Scissors	146 mm (5¾")	Each	25609-012





SCALPELS, CINCINNATI SURGICAL

Cincinnati Surgical products, made from high grade British surgical steel, hold an excellent reputation for sharpness and consistency in size, shape, and durability

- 200% visual inspection
- Packaged with VCI paper to protect the blade from corrosion
- Narrow grinding angle resulting in increased initial keenness
- Medium surface finish
- Strong foil package

Description	Blade no.	Unit	Cat.No.
Scalpel	22	Box 10	75870-490



MICRO ADSON TISSUE FORCEPS, INTEGRA™ MILTEX®

Stainless steel.

Length	Tip style	Tip width	No. of teeth	Unit	Cat.No.
12.1 cm (4¾")	Straight	0.5 mm	1 x 2	Each	21909-682



SWISS JEWELER STYLE FORCEPS, INTEGRA™ MILTEX®

Made from non-magnetic stainless steel.

Description	Length	Unit	Cat.No.
Fine	12.1 cm (4¾")	Each	21909-456
Fine	12.1 cm (4¾")	Each	21909-458
Narrow, Fine	12.1 cm (4¾")	Each	21909-460
Fine	11.2 cm (4⅝")	Each	21909-462
Super Fine	11.2 cm (4⅝")	Each	21909-464
Pickup	11.2 cm (4⅝")	Each	21909-466
Fine, Curved	11.2 cm (4⅝")	Each	21909-468



DISPOSABLE SAFETY SCALPELS, STERILE, INTEGRA™ MILTEX®

Pre-assembled scalpels feature plastic handles and fully retractable stainless steel blades. Blades have a razor-sharp cutting edge for superior cutting and clean incisions. Size is clearly marked on each blade. Metric ruler on each scalpel assists in determining incision length. Individually packaged in sealed, peel-apart pouches. Five-year shelf life. Scalpels comply with OSHA directive for the Needlestick Safety and Prevention Act.

Blade no.	Unit	Cat.No.
10	Pack of 10	21909-670
11	Pack of 10	21909-672



MICRO SURGERY SCISSORS, INTEGRA™ MILTEX®

Straight with sharp points and round handles.

Length	Blade length	Unit	Cat.No.
15.2 cm (6")	6 mm	Each	89049-674



SPECIMEN COLLECTION AND TRANSPORT



FEATHER™ SCALPEL HANDLE WITH BLADE, DISPOSABLE, ELECTRON MICROSCOPY SCIENCES

Sterile, stainless steel disposable scalpels with a handle, packed in aluminum foil.

Certifications: Certificates of analysis are available.

Description	Unit	Cat.No.
Scalpel Set #10	Each	100499-578
Scalpel Set #11	Each	100499-580
Scalpel Set #15	Each	100499-584



BARD-PARKER® STERILE DISPOSABLE SCALPELS, ASPEN SURGICAL

Disposable scalpels are fitted with stainless steel blades. Sterile.

Blade no.	Unit	Cat.No.
10	Pack of 10/Case of 100	89176-380
11	Pack of 10/Case of 100	89176-382



GLASSVAN® SURGICAL BLADES, STERILE, MYCO MEDICAL

GLASSVAN® Surgical Blades are produced from high-quality, high-durability Swiss carbon and stainless steel. Computerized grinding and proprietary polishing processes ensure consistent, clean, sharp cutting edges, and two VCI strips ensure product and packaging integrity.

Ordering information: Blade sizes #24 and #10A are special order items.

Blade size	Material	Unit	Cat.No.
10	Carbon Steel	Box of 100	10148-790
11	Carbon Steel	Box of 100	10148-788
15	Carbon Steel	Box of 100	10148-848
10	Stainless Steel	Box of 100	10148-786
11	Stainless Steel	Box of 100	10148-796
15	Stainless Steel	Box of 100	10148-780
22	Stainless Steel	Box of 100	10148-798



CLICKSMART® BLADEFLASK, MYCO MEDICAL

OSHA Compliant Surgical Blade Removal System. Single-handed, puncture- and spill-proof for easy, convenient and safe blade removal. Audible click helps confirm proper blade removal. Separate bracket allows for wall or cart mounting. Compatible with most brands of general surgery blades.

Ordering information: Clicksmart® Bracket is sold separately.

Description	Unit	Cat.No.
Clicksmart® Blade Removal System	Each/Case of 12	89260-788
Accessories		
Clicksmart® Bracket	Each	89260-790





CARBON STEEL AND STAINLESS STEEL DISPOSABLE SURGICAL BLADES, SKLAR

Disposable surgical blades are made with English steel.

Ordering information: Packaged in heavy foil and packed in a dispenser box of 100 blades.

Description	Material	Blade size	Sterility	Unit	Cat.No.
Disposable Surgical Blades	Stainless Steel	#15	Sterile	Pack of 100	82029-840



ADSON TISSUE FORCEPS, SKLAR

Made from premium-grade stainless steel. Autoclavable.

Description	Grade	Material	Length	Tip style	Handle	Tip configuration	Curvature	Unit	Cat.No.
Adson Tissue Forceps, Smooth Jaws	Premium OR-Grade	Stainless Steel	12.1 cm (4 3/4")	Smooth Jaws	Thumb	1 x 2 Teeth	Straight	Each	82030-272



IRIS SCISSORS, SKLAR

Made of high-quality stainless steel. Autoclavable.

Description	Material	Length	Blade type	Handle	Curvature	Sterility	Unit	Cat.No.
Iris Scissor, Premium OR-Grade	Stainless Steel	11.4 cm (4.5")	Sharp/Sharp, Smooth	Finger Rings	Curved	Non-Sterile	Each	82030-244
Iris Scissor, Premium OR-Grade	Stainless Steel	8.9 cm (3.5")	Sharp/Sharp, Smooth	Finger Rings	Straight	Non-Sterile	Each	82030-230



SKLARSAFE™ SAFETY SCALPELS, STERILE, SKLAR

Disposable, sterile safety scalpels feature a stainless steel blade and locking safety guard. Straight. Individually wrapped.

Blade no.	Unit	Cat.No.
10	Pack of 10	89025-966
11	Pack of 10	89025-968
15	Pack of 10	89025-970



DISPOSABLE SCALPELS, STERILE, SKLAR

Disposable scalpels with blade and handle. Packaged individually.

Blade no.	Unit	Cat.No.
10	Pack of 10	82029-850
11	Pack of 10	82029-852
12	Pack of 10	82029-854



SPECIMEN COLLECTION AND TRANSPORT



DISPOSABLE FORCEPS, TRADEWINDS DIRECT, TWD SCIENTIFIC

These precision-made disposable forceps are perfect for all laboratory applications.

- Autoclavable
- Sterile or Non-sterile
- Pointed or Blunt Tip

The forceps are precision-made, disposable to reduce cross-contamination and autoclavable. They are available in five convenient styles to meet your needs.

Certifications: Certificates of conformance/sterility available upon request.

Description	Material	Color	Length	Tip style	Packaging	Sterile	Unit	Cat.No.
Disposable Forcep	Reinforced Nylon	Blue	4.9"	Serrated Blunt Tip	Individually Packed	Yes	Pack of 10/ Case of 1200	12576-934



INFECON® SPECIMEN TRANSPORT BAGS, POLYETHYLENE, COM-PAC

For transporting and handling of diagnostic specimens. Feature a strong, easy-to-close, orange Saf-T-Zip® closure.

Durable, 2.8 mil-thick polyethylene bags have a document pouch that helps prevent misplacing vital paperwork. Preprinted with the OSHA biohazard symbol.

WxL	Unit	Cat.No.
406×406 mm (16×16")	Case of 100	11217-560
610×610 mm (24×24")	Case of 100	11217-556



INFECON® 3000 INFECTIOUS SUBSTANCE SHIPPER, COM-PAC

Easy-to-use, economical packaging system for shipping infectious substances.

- Temperature protection for up to 76 hours
- Holds approximately 22 lbs. of dry ice
- Expanded polystyrene insulated tub
- Sturdy outer box
- Dry ice super label

The Speci-Freez® insulated shipper can be used with the Inficon 3000 to ship refrigerated or frozen samples. Includes a liquid-tight, 1 L (0.26 gal.) transparent vessel that can withstand up to 95 kPa of pressure. Vessel is autoclavable and features a quarter-turn, stop-lock lid to tightly seal in liquid. A foam insert holds the vessel in place. Inficon 3000 also includes a compartmental bubble pouch that can hold up to six vials, absorbent sheets with a 50 ml (1.7 oz.) capacity, a mini super label and an outer box with all required markings.

Certifications: Inficon® 3000 is UN Class 6.2-certified and meets IATA packing instruction 602 and all DOT and ICAO regulations.

Ordering information: Complete packing and shipping instructions are included. Also includes shipper's declarations. Replacement bubble wrap, bubble pouches, vessels, O-rings and refurbishment boxes may be ordered separately. Item 11217-136 contains 12 boxes and 12 labels per case.



Description	External dimension	Weight	Unit	Cat.No.
Inficon® 3000 infectious substance shipper	16.5L×16.5W×20.3H cm (6.5L×6.5W×8" H)	15 lbs.	Each/Case of 12	11217-660



LAB GUARD® RECLOSABLE BIOHAZARD BAGS, MINIGRIP, FLEXICO

These specimen handling bags protect both workers and paperwork.

- Re-closable zipper for secondary leakage containment
- Additional marking areas identify contents needing to be kept frozen, refrigerated or at room temperature

Many Lab Guard® bags now feature a double zipper for added closure security. Bags include document pouch.

They feature bright orange and black graphics to clearly identify bags as containing biohazardous materials. New destroyable biohazard symbol bags won't leak. They tear open easily at processing and can be disposed of in regular waste for significant cost savings.

The 3-wall bags contain an outside panel for storing and protecting paperwork. The 4-wall bags provide an additional wall of protection between paperwork and the contents of the bag.

Ordering information: For additional sizes, please contact your Avantor sales representative.

Description	WxL	Packaging	Unit	Cat.No.
Biohazard bag with absorbent pad insert	152x229 mm (6x9")	50/bundle, Dispenserbag®	Case of 1,000	89403-312



RICHARD-ALLAN SCIENTIFIC® SACCOMANNO FLUID, THERMO SCIENTIFIC, EPREDIA™

The ready-to-use fixative is a mixture of alcohol and polyethylene glycol that is suited for upper respiratory tract cytology, particularly sputum. The fluid permits storage of specimens for weeks and prevents air drying artifacts from appearing in the samples. It can also serve as a good general cytology fixative. The solution is tinted for easy specimen identification. The poly containers are clear and labeled with a "Do Not Drink" warning, because specimens may be collected at home.

- Prevents air drying artifacts
- For upper respiratory tract cytology, most notably sputum
- Each prefilled container is labeled with a do not drink warning
- Clear containers and tinted solution make specimen identification easy
- Ready-to-use cytology fixative is an alcohol and polyethylene glycol (Carbowax™) solution

The ready-to-use fixative is a mixture of alcohol and polyethylene glycol that is suited especially for upper respiratory tract cytology, particularly sputum. The fluid permits storage of specimens for weeks and prevents air drying artifacts from appearing in the samples. It can also serve as a good general cytology fixative. The solution is tinted for easy specimen identification. The poly containers are clear and labeled with a 'Do Not Drink' warning, since specimens may be collected at home.



Description	Size	Cat.No.
Saccomanno Fluid	120 mL (4.1 oz.)	84000-146

SPECIMEN COLLECTION AND TRANSPORT



PREFILLED BOUIN'S SOLUTION, AZER SCIENTIFIC

Bouin's fixative is a saturated picric acid-formalin solution that is useful for preserving and fixing delicate tissues and gastrointestinal tract specimens.

- Available in 20, 40 and 60 ml containers, each half-filled
- 95 kPa compliant specimen containers

Description	Size	Unit	Cat.No.
Prefilled Bouin's Solution, Half-Filled	60 ml	Case of 54 (1/ltm/Bx)	89217-515
Prefilled Bouin's Solution, Half-Filled	40 ml	Case of 48 (1/ltm/Bx)	89217-513



PREFILLED BOUIN'S SOLUTION, AZER SCIENTIFIC

Prefilled containers, half-filled with zinc formalin fixative, are ideal for all tissue types. They promote excellent H&E staining and enhance IHC results. Also enhances nuclear and cytoplasmic fixation.

- Click-top closure
- Optimal for all tissue types
- Chipboard material packaging

Containers are packaged in convenient transport packs which allow for easy distribution to other labs and doctor's offices. Containers feature a click-top closure to ensure the user that the seal is fully engaged. The packs are made of chipboard material and are safe for operating room use.

Certifications: All containers sized 20 to 120 mL are also 95 kPa compliant for safe use in pneumatic tube systems.



Description	Capacity	Cat.No.
Prefilled Zinc Formalin, Half-Filled	20 mL	10813-594
Prefilled Zinc Formalin, Half-Filled	40 mL	10813-596
Prefilled Zinc Formalin, Half-Filled	60 mL	10813-622
Prefilled Zinc Formalin, Half-Filled	90 mL	10813-624
Prefilled Zinc Formalin, Half-Filled	120 mL	10813-626

PROSTATE BIOPSY KITS, AZER SCIENTIFIC

These ready-to-use kits are packaged with 8, 12 or 16 vials, which are prefilled with 20 ml of 10% neutral buffered formalin and a leak-resistant seal.

- Cardboard insert labeled with the appropriate section of the prostate

Each container is half-filled with 10% neutral buffered formalin. The insert of each kit is labeled with the appropriate section of the prostate, which allows for easy tissue sampling.

Certifications: Vials are 95 kPa compliant.

Ordering information: Kits are also available with components, including a biohazard bag, formalin absorbent pad and desiccant pack.

Packaging: Eight 20 ml Formalock™ containers are included. Vials are prefilled with 20 ml of 10% neutral buffered formalin and a leak-resistant seal. Each case contains 25 kits.



Description	Cap Included	Unit	Cat.No.
16-Place Biopsy Kit	Yes	Case of 25	89129-906

* Some products are only available in certain regions.

FORMAGEL® FIXATIVE AND TRANSPORT SYSTEM, PREFILLED CONTAINERS, AZER SCIENTIFIC

Fixation gel is designed to safely and securely transport tissue specimens without the hazards of leaking formalin. Made of 10% neutral buffered formalin, the gel preserves and fixes tissue samples with identical results to standard formalin. Each polypropylene container is half-filled with gel and has a polyethylene screw-on cap.

Capacity	Fill Volume	Cat.No.
20 mL	10 mL	89194-768
40 mL	20 mL	89194-770
60 mL	30 mL	89194-772



POLARPACK® FOAM BRICK, ICE PACK REFRIGERANT ICE BRICKS, SONOCO THERMOSAFE

PolarPack® gel brick coolant pack refrigerants provide thermal solutions for temperature-critical packages during transit and are an alternative to wet ice packs.

- Broad selection available
- Reliable temperature protection
- Never change shape during freezing

Available in a broad selection of styles and a multitude of sizes, they're designed to provide reliable temperature protection for a vast array of products and packages.

Vacuum-sealed for consistent weight and shape. These semi-rigid foam bricks never change shape during freezing, thawing or transit, enabling superior surface contact for more consistent temperature control.



L x W x D	Weight	Cat.No.
11.4 x 10.1 x 1.9 cm (4½ x 4 x ¾")	5.1 cm x 76.2 m (2" x 250')	89049-986

THERMOSAFE® ABSORBENT SHEETS, SONOCO THERMOSAFE

Sheets absorb spills that may occur during shipment of diagnostic specimens and biological materials.

- Spill control material

Made of tissue-based paper substrate impregnated with super-absorbent polymers to help prevent leakage and possible contamination of package handler. Sheets meet regulations and recommendations of U.S. Government, U.S. Postal Service, and United Nations for goods packaging and transporation of diagnostic specimens, biological materials, and other dangerous goods.

L x W x D	Water capacity	Cat.No.
15.2L x 15.2W cm (6 x 6")	360 mL (12.2 oz.)	89050-006



KOOLIT® FOAM BRICK GEL PACKS, GEL PACK REFRIGERANTS, COLD CHAIN TECHNOLOGIES

Formulated from nontoxic materials, these reusable foam brick gel packs maintain the thermal profile of temperature-sensitive products safely and more efficiently than ice.

The puncture-resistant foam brick gel packs retain a uniform shape and are ideal for exact or tight-fitting configurations. Even heat absorption rate allows for greater cooling longevity

Description	LxWxD	Cat.No.
Thin Foam Brick	10¼ x 8⅞ x ½"	66025-796



* Some products are only available in certain regions.

SPECIMEN COLLECTION AND TRANSPORT



COREDISH™ MULTIPLE BIOPSY CONTAINERS, SIMPORT SCIENTIFIC

These polystyrene containers are half-filled with 10% neutral buffered formalin. They feature leakproof closures with an O-ring and clearly marked compartments. A label allows essential information to be written on the base. Different configurations are available for general purposes, breast, prostate, upper GI and lower GI biopsies. The CoreDish® is available half-filled with 10% neutral buffered formalin or empty for more versatility.

CE Marked

Description	D x Dia.	Cat.No.
General Purpose Container		
Biopsy Container	15 x 95 mm (19/32 x 3 3/4")	89137-784
Biopsy Container	15 x 95 mm (19/32 x 3 3/4")	89137-786
Biopsy Container	15 x 95 mm (19/32 x 3 3/4")	89137-788
Specific Biopsy Container		
Breast Biopsy Container	15 x 95 mm (19/32 x 3 3/4")	89137-774
Lower GI Biopsy Container	15 x 95 mm (19/32 x 3 3/4")	89137-780
Prostate Biopsy Container	15 x 95 mm (19/32 x 3 3/4")	89137-776
Prostate Biopsy Container	15 x 95 mm (19/32 x 3 3/4")	89137-782
Upper GI Biopsy Container	15 x 95 mm (19/32 x 3 3/4")	89137-778



PARAFIL M

Parafilm M is a flexible, thermoplastic, rolled, waterproof sheet interwound with paper to prevent adhering. Supplied in 0.127 mm (0.005") thickness. Adheres quickly and firmly to itself, covering culture tube or flask mouths and sealing petri dish edges. Excellent resistance to air, other gases, alcohol, common acids and moderately concentrated alkalis. At 21 °C (70 °F), it stretches 200% and returns partially to its original size. At 82 to 93 °C (180 to 200 °F), it softens enough to make an adhesive bond between papers, cloths, leathers, etc. Supplied in dispenser cartons.

Semi-transparent, almost colorless, odorless and tasteless.

Color	Roll size	Cat.No.
Clear	5.1 cm x 76.2 m (2" x 250')	52858-076
Clear	10.2 cm x 38.1 m (4" x 125')	52858-000
Clear	10.2 cm x 76.2 m (4" x 250')	52858-032
Clear	50.8 cm x 15.2 m (20" x 50')	52859-079



* Some products are only available in certain regions.





Fixation and tissue processing

DISCOVER
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[VWR.COM](https://www.vwr.com)





Achieve the ultimate section with these Premium histology cassettes

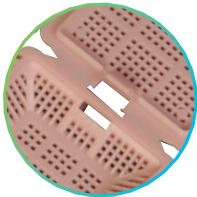
NEW FLOW-THRU DESIGN OPTIMIZES TISSUE PROCESSING

The flow-thru design featured on these premium cassettes maximizes the fluid exchange for the most efficient and thorough tissue processing available anywhere. Cassettes also feature a standard 45° print surface that is compatible with all printing devices. The positive release latch and safe lock base allow for easy opening and closing, as well as allow compatibility with all base molds.



Available in a wide variety of colors.

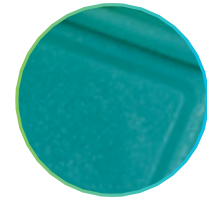
	VWR® Premium Tissue Cassettes	VWR Premium Biopsy Cassettes	VWR Monosette Cassettes	VWR Histology Cassettes
Works Well with Difficult Samples	x	x		
Larger Chamber	x			x
Attached Cover	x	x		x
Detachable Cover		x	x	
Positive Release Latch	x	x		
Spring Action Latch			x	
For Tissue Samples	x		x	x
For Biopsy Samples		x		x
Available in Tubes		x		x



Attached cover has frangible



Vented sides and rear wall work exceptionally well with fatty, dense and other difficult-to-process samples



Molded from reagent-resistant acetyl polymer

VWR® PREMIUM TISSUE CASSETTES

These premium cassettes feature a fluidic flow design for the optimization of tissue processing and embedding. Unique design has vented side walls to maximize fluid exchange. The vented sides and rear wall design work exceptionally well with fatty, dense, and other difficult-to-process tissue samples. The chamber is 10% longer, allowing for an increased specimen range. Standard 45° angled print surface is compatible with all automatic printing devices. Attached cover has a large labeling area and uses a frangible hinge. Positive release latch and safe lock base allow for ease of opening and closing. Molded of reagent-resistant acetyl polymer resin for chemical resistance to histological solvents.

Description	Color	Cat.No.
Standard Cassettes	White	18000-000
Standard Cassettes	Blue	18000-002
Standard Cassettes	Aqua	18000-004
Standard Cassettes	Green	18000-006
Standard Cassettes	Lilac	18000-008
Standard Cassettes	Pink	18000-010
Standard Cassettes	Orange	18000-012
Standard Cassettes	Yellow	18000-016
Standard Cassettes	Beige	18000-018
Standard Cassettes	Gray	18000-020

* Some products are only available in certain regions.

FIXATION AND TISSUE PROCESSING

VWR® BIOPSY CASSETTES

These premium cassettes feature a flow-thru design for the optimization of biopsy processing and embedding. Innovative design with vented side walls maximizes fluid exchange. Unique patented 135° side wall inner basket provides the optimal handling of small specimens. Small pore design (0.67mm pore size) offers a more effective fluid exchange when compared to sponges, screens, and bags. Secure seal ensures safe specimen retention. Standard 45° print surface is compatible with automatic printing devices. Items with attached covers have a large labeling area and utilize a built-in frangible hinge. Positive release latch and safe lock base allow for ease of opening and closing. Molded of reagent-resistant acetyl polymer resin for chemical resistance to histological solvents.

Two-piece biopsy cassettes include the same construction and design features as standard cassettes, but are supplied with unattached covers. They are also available in pre-filled tubes for printers.

Multichamber cassettes have the same construction and design features but are divided into four separate chambers for multiple processing. They are not compatible with most printers.

Ultra small pore biopsy cassettes eliminate the need for sponges, bags, biopsy papers, and screens by incorporating a significantly smaller pore size (0.25mm) into the cassette design. These cassettes are also available in pre-filled tubes for printers.

Mini biopsy cassettes have the same design features but are one third the size of a standard cassette, with a small (0.67mm) pore size for effective fluid exchange. They may be used as a stand alone processing cassette and are ideal for needle biopsies, bite biopsies, tissue flakes, and microwave techniques. These cassettes eliminate the need for sponges, screens, or bags. The 33° angled writing surface is not compatible with automatic printing devices.

Ordering information: Biopsy, two-piece biopsy, multichamber, ultra small pore, and mini biopsy cassettes are designed to be used with VWR® base molds (see 18000-116 series), sold separately. For additional information on printer-ready Biopsy Cassettes packaged in pre-filled tubes,



Description	Color	Cat.No.
Two-Piece Biopsy Cassettes with Covers	White	95029-944
Two-Piece Biopsy Cassettes with Covers	Yellow	95029-960
Ultra Small Pore Biopsy Cassettes	Navy	95029-990

VWR® HISTOLOGY CASSETTES

Economical histology cassettes for routine tissue and biopsy processing and embedding. Cassette design features a 10% increased chamber length for maximization of specimen range. Tissue cassette design features flow-thru slots. Biopsy cassettes have 0.67 mm pore openings to securely contain smaller specimens, eliminating the need for inserts. Three sides of cassette feature a textured writing surface for sample identification and tracking. Standard 45° print surface is compatible with all automatic printing devices. Attached covers use frangible hinge. Resistant to solvents and decalcifying solutions. Compatible with microwave techniques.

Metal lids are made of stainless steel with gold plating. Lids are slotted to maximize fluid exchange and drainage.

Ordering information: For additional information on printer-ready histology cassette tubes, see 95029-926 series.



Description	Color	Cat.No.
Biopsy Cassette (with Attached Hinged Plastic Covers)	Aqua	18000-244
Biopsy Cassette (with Attached Hinged Plastic Covers)	Gold	18000-254
Biopsy Cassette (with Attached Hinged Plastic Covers)	Green	18000-246
Biopsy Cassette (with Attached Hinged Plastic Covers)	Lilac	18000-248
Biopsy Cassette (with Attached Hinged Plastic Covers)	Orange	18000-252
Biopsy Cassette (with Attached Hinged Plastic Covers)	Pink	18000-250
Biopsy Cassette (with Attached Hinged Plastic Covers)	White	18000-240

Description	Color	Cat.No.
Tissue Cassettes (with Attached Cover)	Aqua	18000-134
Tissue Cassettes (with Attached Cover)	Beige	18000-148
Tissue Cassettes (with Attached Cover)	Green	18000-136
Tissue Cassettes (with Attached Cover)	Lilac	18000-138
Tissue Cassettes (with Attached Cover)	Navy	18000-132
Tissue Cassettes (with Attached Cover)	White	18000-130
Tissue Cassettes (with Attached Cover)	Yellow	18000-146

* Some products are only available in certain regions.

VWR® MEGA CASSETTE

Substantially deeper than conventional cassettes, Mega Cassettes allow for easier embedding and processing of larger specimens. Complete with a plastic hinged lid, these rigid, durable cassettes also feature writing surfaces.

Description	Dimensions	Cat.No.
Mega Cassette	30 x 40 x 11 mm	18000-286
Mega+ Cassette	53 x 75 x 12 mm	18000-288

VWR® CHEMICAL-RESISTANT MARKER

Precision ultrafine tip permanently marks slides and cassettes. Ink is waterproof, smearproof, odorless and resistant to most chemicals, including formalin and xylene. Not resistant to alcohol.

Note: Markers are not for use on smooth surfaces, only on frosted slides and tissue cassettes.



Ink Color	Cat.No.
Black	95042-566

VWR® BIOPSY FOAM PADS

Rectangular foam pads are used to hold samples in place and prevent them from being lost during processing. Samples are sandwiched between pads and placed in cassettes with metal or plastic lids.



L x W x H	Color	Cat.No.
32 mm x 25 mm x 3 mm (1 1/4 x 1 x 3/8")	Blue	18000-262

VWR® BASE MOLDS

Base molds are specially designed for use with VWR Signature™ tissue processing/embedding cassettes (see 18000-004 series) and VWR® biopsy processing/embedding cassettes (see 18000-032 series) but may be used with any standard size cassette. Molds feature higher sides to allow optimum paraffin volume during embedding and dramatically reduce excess paraffin on the sides of embedded cassette blocks.

Reusable stainless steel molds have wings to ensure level embedding. Polished surface allows easy block removal and cleaning.

Disposable base molds are constructed of rigid plastic and designed for zero flash. Molded for a tight fit around the cassette, they prevent excess paraffin from adhering to the sides of the cassette. Positive lock ensures consistent and level embedding. Breakaway latch.



Description	Dimensions	Cat.No.
Reusable Base Molds, Stainless Steel	7 mm x 7 mm	18000-116
Reusable Base Molds, Stainless Steel	15 mm x 15 mm	18000-118
Reusable Base Molds, Stainless Steel	25 mm x 25 mm	18000-120
Reusable Base Molds, Stainless Steel	30 mm x 25 mm	18000-122

Description	Dimensions	Cat.No.
Reusable Base Molds, Stainless Steel	37 mm x 25 mm	18000-124
Disposable Base Molds, Rigid Plastic	10 mm x 10 mm	18000-126
Disposable Base Molds, Rigid Plastic	15 mm x 15 mm	18000-128
Disposable Base Molds, Rigid Plastic	24 mm x 24 mm	95039-856

VWR® LIFE SCIENCE AMRESCO HISTOCHOICE® CLEARING AGENT

- Non-toxic, non-carcinogenic, non-flammable replacement for xylene
- Virtually odorless and non-irritating to human skin
- Faster wax dissolution and slower evaporation than xylene

Size	Cat.No.
1L	97060-932
4L	97060-934

* Some products are only available in certain regions.

FIXATION AND TISSUE PROCESSING

VWR® HISTOLOGY REAGENTS

VWR Histology Reagents are manufactured from high-quality raw materials in an ISO 13485 facility, ensuring optimal performance in your histology lab.

Our complete line of fixatives, dehydrants and clearing agents make us the one source for all of your tissue processing needs.



Description	Size	Cat.No.
Alcohol		
Reagent Grade Alcohol, 70%	1 gal.	89370-078
Reagent Grade Alcohol, 80%	1 gal.	89370-080
Reagent Grade Alcohol, 95%	1 gal.	89370-082
Reagent Grade Alcohol, 100%	1 gal.	89370-084
Isopropyl Alcohol	1 gal.	89370-086

Description	Size	Cat.No.
Formalin		
10% Neutral Buffered Formalin	1 gal.	89370-094
10% Neutral Buffered Formalin, Cube with Spigot	2.5 gal.	16004-126
10% Neutral Buffered Formalin, Cube with Spigot	5 gal.	16004-128
Xylene		
Xylene	1 gal.	89370-088
Xylene Substitute	1 gal.	89370-090



FORMALIN ABSORBENT PADS, AZER SCIENTIFIC

Super absorbent pads are designed to absorb and neutralize up to 900 cc of 10% neutral buffered formalin. Pads are specially treated for the elimination of harmful vapors. The blue color of each pad makes an excellent background for grossing tissue.

Ordering information: Absorbent pads 95039-810 are packaged 55 sheets per roll, six rolls per case. Absorbent pads 95039-812 are packaged 30 pads per case.

Size	Cat.No.
27.9 x 25.4 cm (11 x 10")	95039-810
22.9 x 53.3 cm (9 x 21")	95039-812



STANDARD AND PREMIUM BIOPSY BAGS, MORTECH®

Biopsy bags are available in three standard sizes and two premium sizes.

- Biopsy bags are made of quality nylon
- Reduced risk of small specimen loss

Bags peel open for quick and easy specimen removal. The design allows unrestricted fluid movement around tissue.

Description	Size	W×L	Cat.No.
Standard			
Standard biopsy bag	Small	30×50 mm (1.1×1.9")	76498-282
Standard biopsy bag	Medium	45×75 mm (1.7×2.9")	29000-050
Standard biopsy bag	Large	75×95 mm (2.9×3.7")	76498-276

Description	Size	W×L	Cat.No.
Premium			
Premium biopsy bag	Small	30×50 mm (1.1×1.9")	29000-048
Premium biopsy bag	Medium	45×75 mm (1.7×2.9")	76498-278



D-FORMALIZER PADS, LEICA

The durable blue surface of the pads provides an excellent contrast to even small pieces of tissue. The Pads are also useful for soaking up leakage and de-odorizing vapors in other applications. They can be used to line shelves which hold specimen containers that may seep formaldehyde around the lid, or to line transport boxes where leaks may occur. Available in various sizes and also in a convenient roll, allowing lengths to be cut as required.

LxW	Description	Cat. No.
20.3 x 25.4 cm (8 x 10")	D-Formalizer Pads, Small Size	10015-202
27.9 x 35.6 cm (11 x 14")	D-Formalizer Pads, Medium Size	10015-032
40.6 x 50.8 cm (16 x 20")	D-Formalizer Pads, Large Size	10015-036



* Some products are only available in certain regions.

LEICA ASP300 S FULLY ENCLOSED TISSUE PROCESSOR, LEICA

The Leica ASP300 S is a freestanding, fully- enclosed vacuum tissue processor for programmable processing of histological tissue specimens in the fields of pathology and clinical histology.

The instrument provides three cleaning stations plus an optional connection for an external cleaning station. The 4.5-liter processing retort is made of electropolished stainless steel for easy cleaning with a contact-free optical sensor to check the fluid level. Retort capacity for up to 300 standard cassettes when using metal baskets or 252 standard cassettes when using the microwave resistant basket set for ASP300 S (optional accessory).



Description	Temperature range	WxDxH	Weight	Cat. No.
Leica ASP300 S fully enclosed tissue processor, 4.3 L (reagent bottle volume)	40...65 °C (paraffin)	59x68x132 cm (24x27x52")	160 kg (352.74 lbs), instrument only	76001-002



TISSUE-TEK® MEGA-CASSETTE® SYSTEM, SAKURA® FINETEK

Mega-Cassette® systems are designed for processing and embedding larger, thicker specimens, including bone, eye and teeth.

White, plastic cassettes feature snap-latch, hinge-lock and disposable slotted lids that are easily removed with a twist. Three textured surfaces are available for writing. Resistant to solvents and decalcifying solutions. Reusable stainless steel base mold is sold separately.

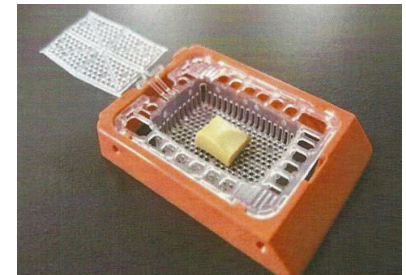


Description	L x W x D	Cat.No.
Mega-Cassette®	30 mm x 24 mm x 11 mm	25608-844

TISSUE-TEK® PARAFORM® SECTIONABLE CASSETTE SYSTEM, SAKURA® FINETEK

The Tissue-Tek® Paraform® Sectionable Cassette System is an innovative two-part system composed of a rugged frame and a cassette insert made of an inert proprietary material.

The Biopsy Cassette with Blue Sponge is 13 mm in diameter and includes a small blue sponge. It is intended for use with small fragmented tissue. The Biopsy Cassette is 26x19 mm with small woven mesh. It is intended for use with biopsy tissue. The Standard Cassette is 27x24 mm and designed for use with standard size tissue. The Orientation Cassette insert is 26x19 mm with extrusions extending from the bottom of the cassette. It is intended for use with tissue samples requiring "on edge" orientation. The lid has openings to allow the extrusions to slide through and lock tissue in place. The Shaved Biopsy Cassette is 13x20 mm with 4 channels and fine phalanges to support the tissue. It is intended to be used with shaved skin samples. The Core Biopsy Cassette insert is 13x20 mm with 4 channels and is intended for use with punch needle biopsy samples.



All cassettes are made of a material similar to paraffin that allows sectioning through the cassette. The inert Tissue-Tek® Paraform® material does not pick up stain and does not interfere with microscopic examination. Paraform® Sectionable Cassettes are designed to be inserted into a Paraform® Frame. Cassettes are designed for use with the AutoTEC® and AutoTEC® a120 Embedding System, however they are compatible with all existing laboratory methods and manual embedding processes.

The unique sectionability provides a significant advantage over standard cassettes, as specimen orientation can now be preserved from grossing through to microtomy by simply orienting the grossed specimen in 1 of 6 available cassette types. After grossing, the tissue section is placed into the cassette, positioned as it should be cut and processed in any tissue processor. The proprietary material is able to withstand exposure to all the volatile reagents and fixatives typically used in histology. Once the cassettes are removed from the processor, they are ready for embedding. The Tissue-Tek® Paraform® cassette eliminates the need to open the cassette and reorient tissue during embedding, thus simplifying embedding, increasing productivity and streamlining tissue preparation.

Ordering information: All cassettes and frames are packaged 500 per case.

Description	Cat.No.
Biopsy Cassette	89199-344

FIXATION AND TISSUE PROCESSING

TISSUE-TEK SMARTWRITE CASSETTE PRINTER WITH AUTOLOADER, SAKURA® FINETEK

Thermal transfer printing technology with print that is resistant to histological chemicals.

Capable of printing up to 300 dpi to enable high-content barcode and alphanumeric characters. Speed of 7.5 seconds per cassette.

Autoloader provides jam-free robotic feed mechanism with 4 clear hoppers for cassettes with or without lids. Each hopper holds 40 cassettes.

Prints on standard smooth-faced cassettes with 35 or 45 degree angle without adjustments.

Ordering information: SmartWrite Software (9025), PC with touch screen (9026) and 2-D barcode scanner (9024) are all sold separately.



Description	Electrical	Dimensions	Cat.No.
Tissue-Tek SmartWrite Cassette Printer with Autoloader	100-240 VAC, 50/60 Hz	30.5 x 65.8 x 49 cm	10204-888

TISSUE-TEK BIOPSY BAGS, SAKURA® FINETEK

White nylon mesh tissue bags allow unrestricted fluid movement and protect specimens during processing.

- Reduces risk of small specimen loss during tissue processing
- Bags peel open for easy tissue removal

The material and mesh size of the biopsy bags make them easy to open during grossing.



Description	Packaging	Dimensions	Cat.No.
Tissue-Tek biopsy bags, small	1000 bags/case	3x5 cm	89199-434
Tissue-Tek biopsy bags, medium	500 bags/case	4.5x6.5 cm	89199-436

TISSUE-TEK® MEGA-CASSETTE® SYSTEM, SAKURA® FINETEK

The stacked arrangement of the cassettes makes easy to load on Tissue-Tek® AutoWrite® Cassette Printer.

- Chemically resistant
- Offer textured writing surfaces for clear printing
- Variety of color choices available

The cassettes are bound by adhesive tape that can easily be removed after the cassettes are inserted into the cassette magazine.

Color	Cat.No.
White	89199-612

TISSUE-TEK VIP®6 AI VACUUM INFILTRATION PROCESSOR, SAKURA® FINETEK

The first and only tissue processor offering automatic, onboard preparation of mixed reagent solutions for advanced infiltration of fatty tissues. Folded bottom.

- Automatic transfer allows in-process solution rotation
- Automatic paraffin rotation and waste container save time and prevent spills
- 2 bulk reagent reservoirs provide fresh reagent during processing, if needed
- Heated retort lid reduces condensation while eliminating fumes
- Automatic bottle connection check to reduce user errors
- User-defined cleaning cycles w/optional drying cycle to eliminate fumes
- Illuminated reagent cabinet enables observation of reagent levels
- Automatic paraffin degassing aspirates evaporated clearing agent from paraffin oven, keeping paraffin clean while filtering the fumes



Certifications: UL61010-1;2nd Ed.:2004, CAN/CSA-C22.2 No.61010-1-12, IEC 61010-2-010:2003, IEC 61010-2-101:2002.

Accessories information: Accessories include two activated carbon fume filters, two 150-cassette baskets, one USB memory stick, one set of reagent bottle labels, one case of paraffin waste bags, one large paraffin scraper, one small paraffin scraper, one basket transport tray, one level sensor cleaning brush and one operating manual.

Description	Electrical	Cat.No.
Tissue-Tek VIP®6 AI Vacuum Infiltration Processor	115 VAC ± 10%, 50/60 Hz, 12 A	75818-110
Accessories for Tissue-Tek® VIP® 6, Sakura Finetek		
Sakura fume filter with activated carbon, pack of 2 for use with Sakura VIP® 6, Sakura Film Coverslipper, Sakura Prisma Stainer and Sakura Glass G2 Coverslipper		89199-288
Sakura paraffin waste bags, case of 12, for use with Sakura VIP® 6		89199-314



PRINTMATE™ AS CASSETTE PRINTER, EPREDIA™

Eliminate waste and streamline your labeling process by printing cassettes on-demand at the grossing station with the Epredia™ PrintMate™ AS Cassette Printer.

- Prints each cassette in 10 seconds or less
- Print only the cassettes you need, right at the point of use
- Print barcodes on cassettes to automate downstream processes
- Eliminate manual handwriting processes
- Small footprint allows the printer to fit easily next to the grossing station.

Ordering information: PrintMate™ AS USB cable, Power cable 2, 6 or 12 cassette hoppers, one roll of tape (installed), Epredia™ LabWriter; software, CD, operator guide. Complete cassette printing systems also include all-in-one PC and digital imager.



Description	Capacity	Cat.No.
PrintMate™ AS 450 Cassette Printer	450 Cassettes	10796-668

EXCELSIOR™ AS TISSUE PROCESSORS, EPREDIA™

Get the superb tissue quality and proven reliability you expect, plus a safer, more efficient working environment, with the Epredia™ Excelsior™ AS Tissue Processor, which provides exceptional and enhanced tissue quality with minimal user interaction.

- Cassette baskets are gently rotated inside the circular chamber
- More effective agitation than an impeller
- Reagents can be preheated to up to 35° C
- Minimizes tissue shock and facilitating reagent penetration
- Alcohol quality measurement enables you to extend your reagent life
- Provides significant cost savings
- Automatic reagent rotation further extends reagent life using a proven system
- Streamline workflow and increase productivity
- Reduce maintenance time by replacing one bottle of each reagent, rather than all of them
- Draw new reagents directly into the processor from your supplier bottles
- No pouring, no mess and no fumes
- Run rapid biopsies during the day and conventional programs overnight
- Compatible with IPA xylene-free processes, as well as conventional reagents

Small footprint allows the printer to fit easily next to the grossing station.

When the chamber is opened, a fan pulls fumes through a filter to protect users from formaldehyde exposure.

NetMon™ II monitoring system allows remote diagnostics over a HIPPA-compliant, secure internet connection for immediate identification and resolution.

Fumes from the cabinet are also extracted through filters to protect users from alcohol, xylene, and formaldehyde. Waste paraffin can be removed by simply discarding a plastic tray. No paraffin spillage and burns. Power outages are no longer a concern. Excelsior keeps your tissue safe with battery backup. The all-new touch-screen interface is intuitive and easy-to-learn. Easier to avoid mistakes that affect tissue quality. Reflects engineering enhancements based on more than 10 years of service history. Informatics to integrate the laboratory and simplify reporting. Full range of reports is available for routine logging, quality assessment, statutory reporting and trouble shooting. Reports are easily downloaded via a USB drive. Messages can be sent automatically to the laboratory information system. Remote alarms ensure that any problems are immediately addressed.



Description	Electrical	Cat.No.
Excelsior™ AS Tissue Processor with Line Conditioner	100 - 240 V, 50/60 Hz, 1300 VA (max.), 300 VA (typical)	10141-592

FIXATION AND TISSUE PROCESSING

EXCELSIOR™ AS TISSUE PROCESSOR ACCESSORIES, EPREDIA™

Maintain the Epredia™ Excelsior™ AS Tissue Processor with these Excelsior AS Tissue Processor accessories.



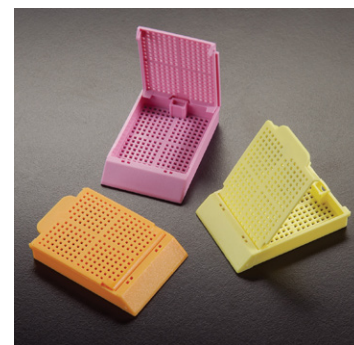
Description	Cat.No.
High Volume Organized Basket, 6 Sections: Total 300 Cassettes Kit for use with Excelsior™ AS Tissue Processor	10129-516
Waste Wax Drawers, 5/case for use with Excelsior™ AS Tissue Processor	10129-484
Main air system duct adapter kit for use with Excelsior™ AS Tissue Processor	10129-502
Potassium permanganate filter for removal of formaldehyde Excelsior™ AS Tissue Processor	10129-520
Random basket for use with Excelsior™ AS Tissue Processor, holds a total of 300 cassettes	10129-500
Storage bottles - 5 L, 6/PK for use with Excelsior™ AS Tissue Processor	10128-146
Vapor filter (Charcoal), 6/Pk. for use with Excelsior™ AS Tissue Processor	10129-486



HISTOSETTE® II BIOPSY PROCESSING AND EMBEDDING CASSETTES WITH INTEGRATED LIDS, SIMPORT SCIENTIFIC

These disposable cassettes are specially designed to hold biopsy specimens during the embedding process, as well as in a storage cabinet.

Molded from acetal polymer, they keep specimens submerged in liquid and are resistant to the chemical action of histological solvents. The 1mm square openings will safely protect biopsies. The one-piece integral lids can be opened and closed as often as necessary and will always relock securely without danger of specimen loss. The unique front hinge design allows for single-hand cassette manipulation. The anterior writing area is angled at 45° for suitability with certain types of cassette labeling instruments.



Color	Cat. No.
Yellow	CA73960-088
Blue	CA73960-090
Peach	CA73960-092
Tan	CA73960-094
Fluorescent Pink	CA73960-518
Fluorescent Yellow	CA73960-522
Fluorescent Green	CA73960-520
Gray	CA73960-096
Aqua	CA73960-080

MICROMESH™ BIOPSY CASSETTES IN QUICKLOAD™ SLEEVES, SIMPORT SCIENTIFIC

Suitable for hoppers accepting plastic sleeves, these cassettes will load in cassette labeling instruments in one simple operation. The QuickLoad™ sleeve loads directly into the hopper and is ready for printing.

Molded from a special high-density polymer, these cassettes keep specimens safely submerged in liquid and are 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. Anterior writing area is at a 45° angle to make the cassette more suitable to be used with automated cassette printers.



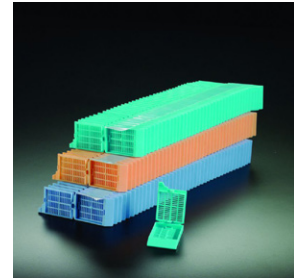
Color	Cat. No.
Tan	CA87002-436
Peach	CA87002-434
Blue	CA87002-432
Yellow	CA87002-430
Green	CA87002-428
Fluo Yellow	CA87002-450
Pink	CA87002-426

Color	Cat. No.
Fluo Green	CA87002-448
White	CA87002-424
Fluo Pink	CA87002-446
Aqua	CA87002-444
Orange	CA87002-442
Lilac	CA87002-440
Gray	CA87002-438

UNISSETTE™ TISSUE PROCESSING/EMBEDDING CASSETTE IN QUICKLOAD™ STACKS, SIMPORT SCIENTIFIC

Secure specimens during processing with the Unisette™ Tissue Processing/Embedding Cassette.

- In Quickload™ stacks
- 35° anterior writing area
- One-piece construction with hinge-lock design prevents early separation of base and lid
- Snap latch and hinge-lock design; cassettes will always relock securely
- Allows for one-hand operation
- Suitable for automated printers
- Made of acetel
- Resistant to the chemical action of most histological solvents



The snap latch and hinge-lock design allows for one-hand operation and always relocks securely without danger of specimen loss.

Certifications: CE-IVD.

Packaging: Each case contains 25 Quickload™ stacks of 40 cassettes.

Color	Cat.No.
Aqua	95045-518
Blue	95045-526
Gray	76214-102
Green	76214-196
Lilac	76214-104
Orange	76214-106

Color	Cat.No.
Peach	76214-202
Pink	76214-194
Tan	76214-100
White	76214-192
Yellow	76214-198



BIOPSY NYLON MESH BAGS, CANCER DIAGNOSTICS

Biopsy nylon mesh bags use special material for effortless opening during embedding.

- Folded bottom
- Gentle seams
- Twist open bag effortlessly

Material makes it effortless to twist open bag between thumb and forefinger.

Blue biopsy bags are colored blue to help facilitate location of small biopsy specimens following processing and are available in dispenser packs for convenience.

Biopsy cassette pads use thin, non-stick foam (1x1.125") to allow for optimal fluid transfer with virtually no carryover. Pressure on biopsy is greatly reduced, decreasing occurrence of artifact.

Folded bottom and gentle seams make for easy opening during embedding, greatly reducing the "springboard effect" associated with other bags.



Description	Dimensions	Cat.No.
Biopsy Nylon mesh bags	30x50 mm	10809-874
Blue Biopsy wrap papers	51x76 mm	10809-876
Biopsy cassette pads, white sponge	25.4x28.6 mm	10809-890



TISSUEGUARD™ SPECIMEN PROCESSING GEL, STATLAB

Stabilize fragile specimens during processing by preparing with TissueGuard processing gel. Tissue Guard encapsulates and retains specimens during histological processing while allow chemical reagents to penetrate the specimen. Appropriate for cytology and histology applications, TissueGuard is an alternate to other agarose stabilizers.

Cytology Protect fine needle aspirates, urine specimens, non-gyn specimens, and any other specimens utilizing cell block preparation. Product can be applied in either centrifuge tube, or in conjunction with BioMesh tissue cassettes, or using tissue paper. After application, specimen is ready for processing within minutes, or sooner if aided with a cooling block. Histology Protect samples including needle biopsies, nerves, small arteries, aggregates, lymph nodes and the smallest of tissue fragments. Product can be applied to samples in conjunction with BioMesh cassettes or using filter paper.



Description	Volume	Size	Cat. No.
TissueGuard™ Specimen Processing Gel	10 ml	12 per box	76548-294

* Some products are only available in certain regions.



Embedding

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HISTOSTAR™ EMBEDDING WORKSTATION, EPREDIA™

Epredia HistoStar™ Embedding Workstation is the ideal solution for the embedding of routine tissue samples into paraffin blocks for microtome sectioning, allowing users to embed comfortably and efficiently. With brightly illuminated work surfaces, cool and contoured arm rests and high throughput capacity, this workstation delivers significant improvements in ergonomics and efficiency. User-adjustable LED lighting uniformly illuminates the workspace helping to reduce fatigue and minimize errors without the clutter of awkward remote lamps.



The capacity of the HistoStar™ Embedding Workstation can keep up with even the busiest laboratories, with 5 liter paraffin capacity, coldplate area for 72 base molds, large heated workspace and specimen holding area. The HistoStar™ also offers an adjustable paraffin dispense paddle. A simple adjustment moves the paddle to the most ergonomic position for the user. Even Super Mega Cassettes can be embedded with ease.

The HistoStar* Embedding Workstation is the only workstation with a heated wax trimmer built directly into the workspace. Excess paraffin can be removed at the embedding station, for optimal performance with bar coded cassettes, thus eliminating the need for additional equipment or wax scraping at the microtome.

Workstation and coldplate are UL listed and IVDD compliant.

Ordering information: Workstation includes tamping tools, spatula kit and waste drain kit.

Capacity	5 L (1.32 gal.) Wax Reservoir
Electrical	100–120V, 50/60Hz
	Wax reservoir: 122 to 158°F (50 to 70°C) Cold spot: 41°F (5°C) Hot spot: 122 to 158°F (50 to 70°C) Tissue storage: 122 to 158°F (50 to 70°C) Mold storage: 122 to 158°F (50 to 70°C)
Temperature Range	Coldplate: 10.4°F (–12°C)
W x D x H	Embedding Module: 65 x 60 x 41 cm (25.6 x 23.6 x 16.1") Coldplate: 43 x 60 x 41 cm (17 x 23.6 x 16.1")
Weight	Embedding Module: 25 kg (55.12 lbs.) Coldplate: 20 kg (44.10 lbs.)

Description	Cat.No.
Complete Embedding Workstation	89235-410

EMBEDDING

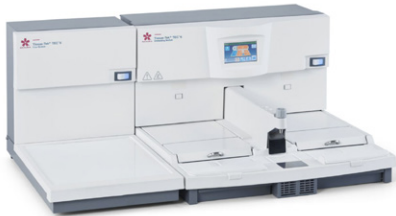


TISSUE-TEK® COLD PLATE, SAKURA® FINETEK

Two-component tissue embedding console system. Modular, can be configured for right- or left-handed use.

- Color touch-screen with easy-to-navigate on-screen controls
- Adjustable five-level white LED work light for better visualization of tissues
- Removable, ergonomic wrist rests for support and comfort
- Anti-glare, coated work surfaces to reduce eye strain and improve visualization of tissue
- Simple cleaning mode for forceps wells to reduce tissue cross-contamination
- TEC™ 6 Cryo Module cools to –10 °C in less than 30 minutes and holds 60 tissue cassettes

User-programmable temperatures with ready and auto shutdown times for each day. Holds four liters paraffin and two thermal chambers to hold 150 cassettes each.



Description	Temperature	WxDxH	Weight	Includes	Cat.No.
Two-Component Tissue Embedding Center	50...75 °C	35.6x25.3x14.8"	104 lbs.	Embedding Module (5108) and Cryo Module (5109) for Left/Right or Right/Left Arrangement	76303-132

TISSUE-TEK® AUTOTEC® A120 AUTOMATED EMBEDDER, SAKURA® FINETEK

Automated tissue embedder, which utilizes the Paraform™ sectionable cassette system.

- Barcode reader for track and trace of the Paraform cassette, allowing full connectivity with middleware and laboratory information systems
- Heated input door and SMARTair™ technology removes excess paraffin from the cassettes to produce clean blocks that eliminate tedious scraping
- 15" color touch-screen with all operational information showing status of process, alerts with paraffin reservoir level, workload statistics
- Specimen orientation is locked from gross dissection to microtomy

Continuous loading of specimens with four input doors of 20 cassettes each, achieves a rate of up to 120 cassettes per hour.

Certifications: UL 61010-1, IEC 61010-1, IEC 61010-2-010, IEC 61010-2-101.

Ordering information: Accessories include six 20-cassette magazines; four cassette magazine retainers; two output doors; one paraffin inner tray #1, two paraffin inner tray #2.



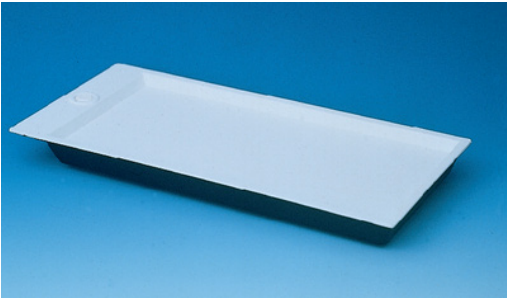
Electrical	Cat.No.
200 VAC ±10%, single phase, 50/60 Hz, 12 A	10025-432

TISSUE-TEK® COLD PLATE, SAKURA® FINETEK

Use for chilling and preparing paraffin blocks for microtome sectioning, also as cold tray for other lab procedures.

- Freezes in approximately 4 hours in conventional freezer
- Surface remains cold for up to 3 hours
- Includes six cold plates and one insulator base per pack

Polystyrene top and base are molded together for a tight seal.



Description	Cat.No.
Tissue-Tek® Cold Plate	25608-942



PARAFFIN BLUE, PARAPRO™, STATLAB

Universal infiltration and embedding paraffin composed of light blue pellets. A medium paraffin.

- The blue color makes it easier to visualize small biopsies after processing
- Highly refined with the addition of synthetic polymers, enabling rapid impregnation
- Optimized for dermatology and urology specimens
- Melting point 54°-57° C
- 1 kg bag, 8/cs

Part of the StatLab line of ParaPro paraffin.

Manufactured in the USA.



Size	Cat.No.
1 kg (8 per case)	76548-194

PARAFFIN 360, PARAPRO™, STATLAB

A low-melting paraffin appropriate for infiltration and embedding.

- Ideal for standard ribbons down to the thinnest 2-micron sections
- Formulated with a proprietary blend of low-molecular-weight paraffin and polymers
- Melting point 50-54 °C
- 0.8 kg bag, 10/cs

Part of the StatLab line of ParaPro paraffin.

Manufactured in the USA.



Size	Cat. No.
0.8 kg (10 per case)	76548-192

PARAFFIN LMP, PARAPRO™, STATLAB

A medium/hard paraffin. For infiltration and embedding.

- Consists of a specialized blend of low-molecular-weight paraffin and polymers to reduce melting point
- The lower melting point protects tissues from excessive temperature during processing
- Melting point 50-54 °C
- 1 kg bag, 8/cs

Part of the StatLab line of ParaPro paraffin.

Manufactured in the USA.



Size	Cat. No.
1 kg (8 per case)	76548-196

PARAFFIN SEM, PARAPRO™, STATLAB

Standard Embedding Media. A softer paraffin.

- For infiltration and embedding
- Formulation consists of a low polymer count
- Improves infiltration and embedding and leads to more efficient deparaffinization
- Minimizes wrinkles
- Melting point 54-56 °C
- 0.8 kg bag, 10/cs

Part of the StatLab line of ParaPro paraffin.

Manufactured in the USA



Size	Cat. No.
0.8 kg (10 per case)	76548-198

* Some products are only available in certain regions.

EMBEDDING

PARAFFIN XLT, PARAPRO™, STATLAB

A superior mixture of waxes and copolymer alloys. A medium/hard paraffin for infiltration and embedding.

- Produces ultra-thin compression-free ribbons and can be used to cut 2-micron sections without icing
- Provides excellent support for all types of tissue samples while maintaining exceptional clarity
- Melting Point 55-57 °C
- 0.8 kg bag, 10/cs

Part of the StatLab line of ParaPro paraffin.

Manufactured in the USA

Size	Cat. No.
0.8 kg (10 per case)	76548-200



PARAFFIN LMP, PARAPRO™, STATLAB

A medium/hard paraffin. For infiltration and embedding.

- Consists of a specialized blend of low-molecular-weight paraffin and polymers to reduce melting point
- The lower melting point protects tissues from excessive temperature during processing
- Melting point 50-54 °C
- 1 kg bag, 8/cs

Part of the StatLab line of ParaPro paraffin.

Manufactured in the USA.

Size	Cat.No.
1 kg (8 per case)	76548-196



PARAFFIN WAX DISPENSER, BOEKEL SCIENTIFIC

The Boekel Scientific Paraffin Wax Dispenser has a 5 liter (1.25 gallon) capacity and features a stainless steel outer casing for easy cleaning. The heated valve ensures a consistent flow of wax, while the inner reservoir screen helps to prevent large particulate from clogging the dispenser valve. The dispenser valve can also be locked in the open position if desired.

The aluminum inner reservoir provides excellent thermal transfer and temperature control to maintain the temperature range of 40 °C to 75 °C. Melt your wax knowing this unit provides a rapid warm-up and includes an advanced safety over-temperature cut-off.

UL/CSA and CE certified.

Dimensions	8.5 x 16"
Electrical	115V, 50/60Hz, 250W
Temperature Range	40°C to 75°C

Description	Capacity	Cat.No.
Paraffin Wax Dispenser	5 L (1.25 gal)	10210-954





PARAPLAST® EMBEDDING AGENT FOR HISTOLOGY, LEICA® MICROSYSTEMS

For use as tissue-embedding media.

- Paraffin and plastic polymers construction
- Low viscosity permits complete infiltration
- Suitable for clear, smooth tissue specimens

Paraplast®, made of paraffin and plastic polymers, allows clean cuts and minimizes wrinkles for clear, smooth tissue specimens

Compatible with most solvents and staining techniques. Melting point: 56 °C (133 °F) (ASTM).

Packaging: Packed in 1 kg (2.2 lbs.) bags of pellets.

Size	Cat.No.
1 kg	15159-409



PARAPLAST® EMBEDDING AGENT FOR HISTOLOGY, LEICA® MICROSYSTEMS

Paraplast Xtra is recommended for lower-temperature infiltration, which aids in the prevention of tissue distortion. It is composed of a unique blend of low molecular weight polymers and highly purified paraffins for compression resistance and ribbon continuity. Low viscosity permits complete infiltration of dense tissue. It has a melting point of 50-54 °C.

Size	Cat.No.
8 x 1 kg	75810-410
8 x 1 kg	75810-408



TISSUE-MARKING DYES (TMD™), TBS®, GENERAL DATA

Ideal for marking margins or for processing multiple specimens in one tissue cassette, these dyes have been reformulated for superior adherence to tissue surfaces. Viscosity allows a thin, even coating of pigment without masking underlying tissue. Quick drying decreases frozen sectioning time and provides excellent readability. Size: 237 mL (8 oz.).

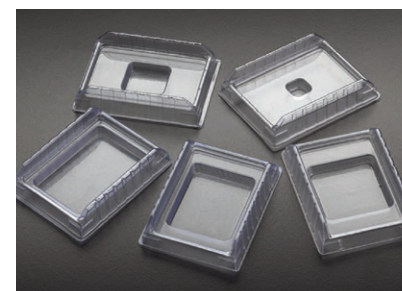
Color	Cat.No.
Black	15147-923
Tissue Marking Dyes (TMD™)	95056-562
Yellow	15147-927
Red	15148-228
Green	15148-230
Orange	15148-232



DISPOSABLE BASE MOLDS, SIMPORT SCIENTIFIC

These base molds offer the ease and convenience of a disposable mold, yet they are strong enough to be reused. The specially formulated plastic material offers excellent thermal exchange. The molds have a smooth interior finish and rounded corners to facilitate specimen removal. They can be used with any standard cassettes and embedding rings.

W x L x H, mm	Cat.No.	W x L x H, mm	Cat.No.
7 x 7 x 5	60872-486	30 x 24 x 5	60872-498
15 x 15 x 5	60872-488	37 x 24 x 5	60872-500
24 x 24 x 5	60872-490		



* Some products are only available in certain regions.

EMBEDDING



PARAFFIN WAX BLOCK TRIMMER, MOPEC

Mopec's paraffin wax block trimmer is designed to easily remove excess paraffin from the edges and writing surfaces of embedding tissue cassettes without any damage to written text or barcodes.

- Easily removes excess paraffin from tissue cassettes without any damage to written text or barcodes
- Rapid heating system and extra-large work surface allows multiple cassettes to be de-waxed simultaneously
- Features digital temperature control with memory function for desired start-up temperature
- Neutral slope accessible for both left- and right-hand users
- Dimensions: 6"Wx8"Lx7.25"H

Users simply pass cassettes across the heated, grooved work station and wax is melted and collected in the disposable container at the bottom of the slope. The rapid heating system and extra-large work surface allows multiple cassettes to be de-waxed simultaneously.



Description	Cat.No.
Paraffin Wax Block Trimmer	76579-208

PARAFFIN WAX DISPENSERS, MOPEC

The Mopec paraffin wax dispenser is designed to take up minimal bench-top space while providing a rapid heating system that produces melted paraffin wax in only 30 minutes.

- Designed to take up minimal bench-top space
- Digital temperature control
- 15 L has two separate tanks with independent heating controls
- Rapid heating system ensures system is ready to use in less time
- Heated tap prevents wax buildup
- Non-drip lever with three positions
- Double-layered tanks provide internal temperature control and ensures outer surfaces are safe to touch
- Antimicrobialcoating to help prevent bacteria and virus growth

The dispenser features a non-drip lever and a dedicated heating system for the tap to prevent wax blockages and is available in 7.5 L and 15 L capacities. Units sold separately.



Description	Capacity	Cat.No.
Paraffin Wax Dispensers	15 L	76579-288



PARAFFIN REPELLENT KIT, SPRINGSIDE SCIENTIFIC

The Paraffin Repellent Kit works to prevent wax from sticking to painted surfaces, can be used as an effective mold release, and will clean up wax from instruments and counter tops. All natural and non-toxic. Cucumber melon scented.

Ordering information: Each kit includes four bottles (4 oz. each) and one plastic scraper. Individual bottles are available separately.

Description	Size	Cat.No.
Paraffin Repellent Liquid Bottle	4 oz	10756-182
Paraffin Repellent Kit	4 x 4 oz.	10756-184



* Some products are only available in certain regions.



POLARSTAT™ EMBEDDING MEDIUM, STATLAB

An aqueous-based frozen section embedding medium designed to support tissue blocks in cryostat sectioning. Formulated to promote rapid freezing, enhanced sectioning and consistent results at a working temperature of -20C. 4 oz bottle.



Description	Size	Cat. No.
PolarStat™ Embedding Medium	4 oz	76548-100

POLARSTAT PLUS™ EMBEDDING MEDIUM, STATLAB

PolarStat Plus™ frozen section embedding medium is a proprietary formulation of water-soluble glycols and resins, providing an optimal specimen matrix for Mohs cryostat sectioning, and bonding the specimen securely to the specimen chuck. This formulation freezes at optimum cutting temperatures of -10°C and below. No residue is left on slides during the staining procedure, thereby eliminating undesirable background staining. 12 squeeze bottles/case. Sold by the case.



Description	Size	Cat. No.
PolarStat Plus™ Embedding Medium	1 Case (12 squeeze bottles 4 oz/case)	76548-202

MOUNTING MEDIA ACRYMOUNT™ PLUS, STATLAB

A rapid-drying, toluene-based mounting medium/liquid cover glass. Compatible with xylene, and xylene-substitute clearing agents including d-Limonene.

- Slides mounted with Acrymount™ Plus may be screened in as little as 10 minutes
- Formulated to reduce oxidation, preventing yellowing and fading in H&E, IHC and special stains after cover slipping
- Maintains an optimal refractive index for viewing and photo microscopy
- For labs seeking to eliminate final clearing with xylene, tissue may be cover slipped directly from absolute Isopropyl Alcohol
- Compatible with both manual and most automated cover slipping processes



Part of the StatLab family of liquid mounting media.

Manufactured in the USA.

Description	Size	Cat. No.
Mounting Media, Acrymount™ Plus	16 oz	76548-256
Mounting Media, Acrymount™ Plus	4 oz	76548-258

* Some products are only available in certain regions.

EMBEDDING



PARAFFIN WAX BLENDED WITH SYNTHETIC POLYMERS, PUREAFFIN® BLOXX™ PREFORMED PARAFFIN BLOCKS FOR PELORIS® TISSUE PROCESSOR, CANCER DIAGNOSTICS

Preformed paraffin blocks specially shaped to fit easily into your Peloris® tissue processor. No measuring or topping off-1 case fills processor chamber. Solid blocks don't spill and create slippery surfaces and no transferring of molten paraffin.

* "The 'Peloris' trademark is owned by Vision Biosystems Limited, and CDI does not claim any ownership, affiliation, approval or sponsorship by or from Vision Biosystems Limited with respect to this product."

Size	Unit	Cat.No.
1.8/lb/unit	Case of 5	10810-016



TISSUE DYE, BRUSH TIP, CANCER DIAGNOSTICS

Brush tip tissue dye are designed for small biopsy use.

- Brush tip applicator
- Precise application
- Used for small biopsies

Brush tip applicator designed for small biopsies where precise application is required.

Description	Color	Size	Unit	Cat.No.
Brush Tip Tissue Dye	Green	3 mL	Pack of 5 (3 ml)	10810-008



TISSUE MARKING DYE, FLIP-TOP, CANCER DIAGNOSTICS

Tissue marking dyes are used for marking margins & multiple biopsies.

- Margins defined without bleeding
- Dyes won't change color or fade
- Flip-top dispenser cap

Tissue marking dyes for marking margins & multiple biopsies. Dyes have been developed to define margins without bleeding, changing color or fading. Flip-top dispenser cap.

Description	Color	Size	Unit	Cat.No.
Tissue Marking Dye	Black	8 oz.	Each (8 oz)	10809-916



TISSUE MARKING DYE KIT, CANCER DIAGNOSTICS

The Original 7 Dye Color Kit is used for defining tissue margins and multiple biopsies.

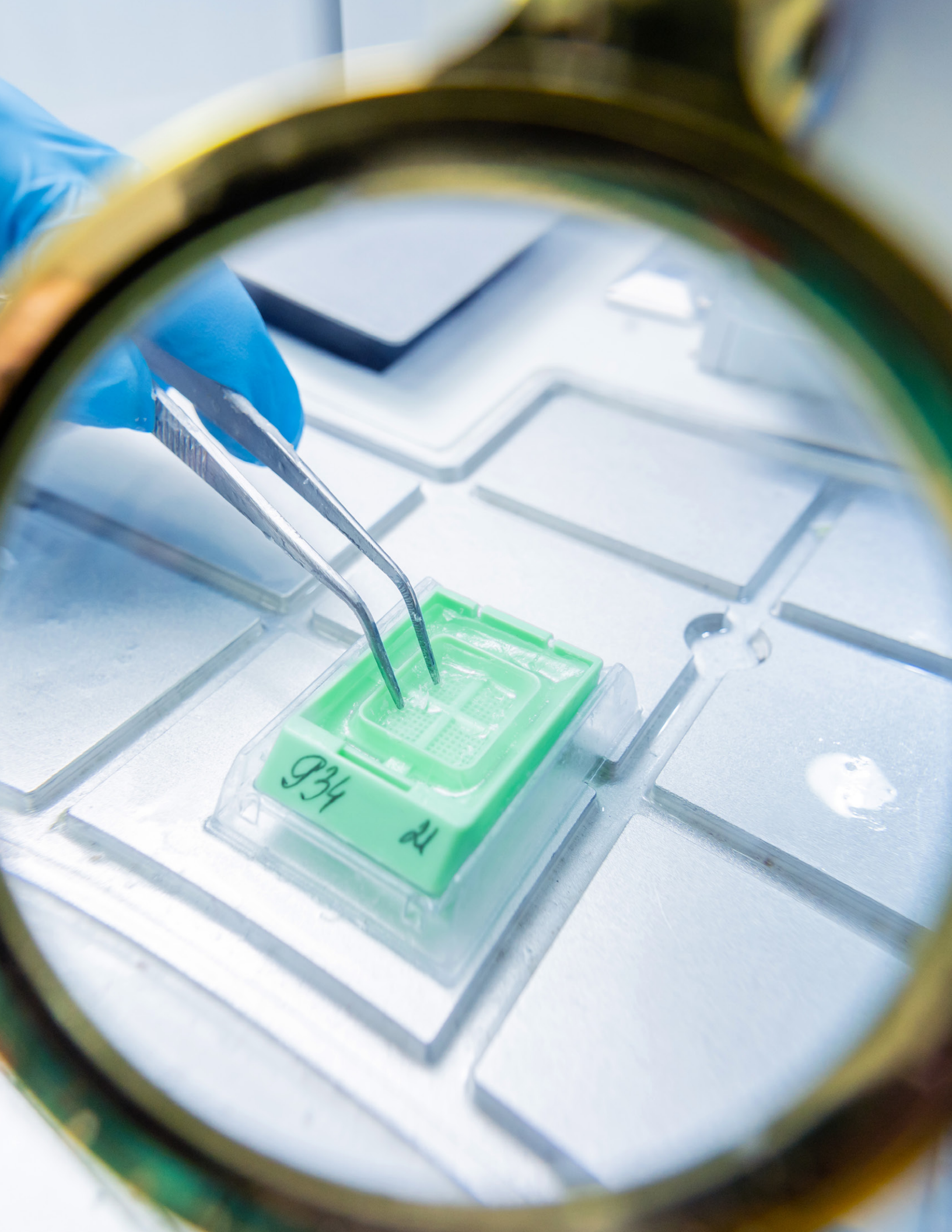
- Defines tissue margins
- Consistent
- Durable
- Diagnostic assurance

Tissue-marking dyes for marking margins & multiple biopsies. The Original 7 Dye Color Kit for defining tissue margins. Consistency, durability, and brightness under the microscope provide diagnosing assurance. A variety of packaging options provide greater application options and efficiency.

Description	Size	Unit	Cat.No.
Tissue-Marking Dye Kit, Brush Tip	Kit of 7	Kit of 7 (3ml)	10809-870



* Some products are only available in certain regions.





Grossing, autopsy and sectioning

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Stay on the cutting edge

VWR® PREMIUM DISPOSABLE MICROTOME BLADES

- heavy-gauge, high-quality carbon steel construction
- sections jump off edge, forming beautiful ribbons

Designed to fit standard blade holders, premium disposable blades are ideal for all routine and specialty histology applications. Low-profile triple-facet blades feature an extra-sharp cutting edge for thinner sections that will cut down to 2 µm and a fluoropolymer resin coating to ensure a consistent cutting edge and increase blade life.

High-profile coated blades are ideal for all routine and specialty histology applications. Sections as thin as 2 µm are possible with these blades, and they also feature a fluoropolymer resin coating to ensure a consistent cutting edge and increase blade life. Thick high-profile blades eliminate chattering when sectioning hard specimens. This blade will not bend during cutting, eliminating the thick/thin sectioning problem often found when cutting hard tissue. These blades are ideal for sectioning bone, eyes and other hard tissue. They are also an outstanding choice for industrial purposes and frozen sections.

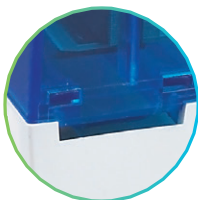
Ordering information: Blades are supplied in an ejector dispenser pack, equipped with a storage compartment to safely discard spent blades.



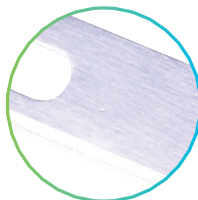
Description	Cat.No.
High-Profile Blades	
Coated	95057-834



Blades are supplied in an ejector dispenser pack



Blades fit a standard blade holder



Dispenser pack features storage compartment for safe discard of spent blades

VWR® RAZOR BLADES

Single-edge industrial razor blades are machine-honed from hard carbon steel, then wrapped individually to protect users.

Thickness	Cat.No.
0.22 mm (0.009")	55411-050
0.30 mm (0.012")	55411-055



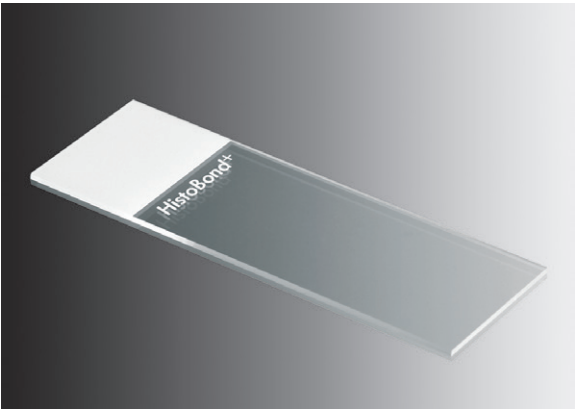
* Some products are only available in certain regions.

GROSSING, AUTOPSY AND SECTIONING

VWR® VISTAVISION™ HISTOBOND® ADHESIVE SLIDES

Ideal for in-situ hybridization. The slide surface is loaded with a permanent positive charge that firmly anchors all types of sections. This treatment prevents the loss of tissue sections or cells to frequent washing and eliminates the disturbing background effect caused by traditional adhesives. Slides feature color-coated ends.

Size	Thickness	Color	Cat.No.
75 x 25 mm	1 mm	White	16004-406
75 x 25 mm	1 mm	Lilac	16004-408
75 x 25 mm	1 mm	Green	16004-412
75 x 25 mm	1 mm	Yellow	16004-416
75 x 25 mm	1 mm	Aqua	16005-108
75 x 25 mm	1 mm	Blue	16005-110



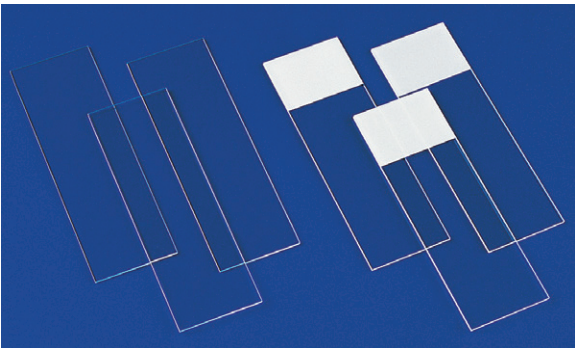
VWR® PLAIN AND FROSTED MICRO SLIDES, PREMIUM

These pre-cleaned slides are made from the highest-quality sheet glass.

- Plain and frosted formats available
- Standard and Economy formats available
- Glass fabrication

Frosted slides are sandblasted on one end of one side for marking specimens. Double-frosted slides are sandblasted on one end of both sides. Economy slides are made from a lesser-quality sheet glass for greater cost-effectiveness.

L x W	Thickness	Cat.No.
Plain Slides		
75x25 mm (3x1")	1 mm	48300-048

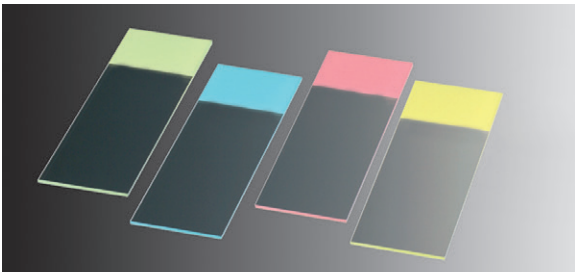


VWR® VISTAVISION™ COLOR-CODED MICROSCOPE SLIDES

Ultra-thin color-frosted end facilitates processing on automated systems. Bright printed colors provide an ideal marking area and enable easy identification. Slide 16004-386 features rounded corners.

Size	75 x 25 mm
Thickness	1 mm

Color	Cat.No.	Color	Cat.No.
White	16004-382	Pink	16004-390
Blue	16004-384	Green	16004-392
Yellow	16004-388	Lilac	16004-398



VWR® SUPERFROST® AND COLORFROST® MICRO SLIDES, PREMIUM

VWR® Superfrost® and Colorfrost® Micro Slides feature brilliant coloring and a coating that accepts and retains laboratory markings better than comparable products.

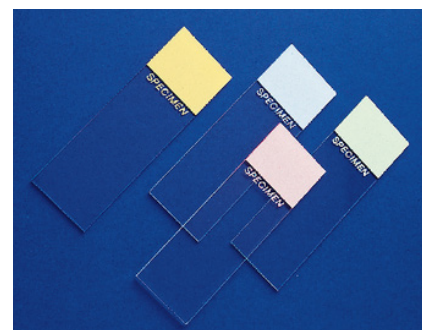
- Easy to write on, easy to read
- Key shows which side is up
- Eliminate sticking and scratching

Slides are frosted and have a brilliant-colored, opaque coating. All slides have the word "SPECIMEN" printed on them, except for the white Premium Superfrost slide, which is unprinted. Premium slides 48311-950 and 48311-702 are made of premium-quality sheet glass. All slides are 75x25 mm, except for 48311-655, which is 3x1". All slides are autoclavable.

Coating takes and retains most laboratory marking methods better than plain or conventional frosted slides. The coating is impervious to most common laboratory chemicals and reagents. Raised printed writing surface that eliminates the need for paper labels and re-labeling of slides.

Ordering information: For additional sizes and thicknesses, contact your VWR sales representative.

Description	Color	Thickness	LxW	Cat. No.
Colorfrost Slides	Blue	1.0 mm	75x25 mm (3x1")	48312-401
Colorfrost Slides	Burnt Orange	1.0 mm	75x25 mm (3x1")	48382-103
Colorfrost Slides	Gold	1.0 mm	75x25 mm (3x1")	48311-611
Colorfrost Slides	Green	1.0 mm	75x25 mm (3x1")	48312-502
Colorfrost Slides	Lilac	1.0 mm	75x25 mm (3x1")	18382-111
Colorfrost Slides	Pink	1.0 mm	75x25 mm (3x1")	48312-604
Colorfrost Slides	Tan	1.0 mm	75x25 mm (3x1")	48382-119

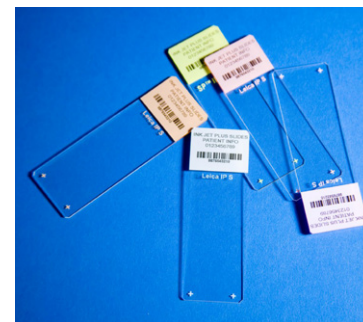
**VWR® INKJET AND INKJET PLUS MICROSCOPE SLIDES, PREMIUM**

Slides have a frosted tab which is designed to be directly printed upon by Leica® Microsystems IP S ink jet-printer.

- Available in various colors
- Frosted edges

Ideal for histology, cytology, hematology and microbiology applications. Frosted tabs are available in various colors. Inkjet Plus slides include a plus charge symbol.

Description	Color	Cat.No.	Description	Color	Cat.No.
Cyto slides, Inkjet plus	White	89078-519	Cyto slides, Inkjet plus	Lilac	89078-533
Cyto slides, Inkjet plus	Green	89078-523	Cyto slides, Inkjet plus	Tan	89078-535
Cyto slides, Inkjet plus	Pink	89078-525	Cyto slides, Inkjet	White	89078-501

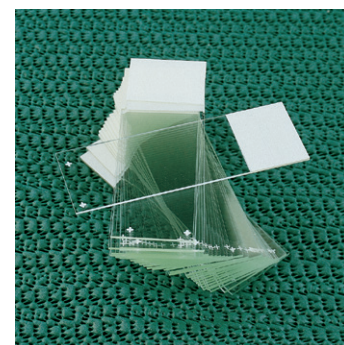
**VWR® SUPERFROST® PLUS MICRO SLIDE, PREMIUM**

The VWR® Superfrost® Plus Micro Slide features a special treatment that eliminates the need for additional adhesives or protein coatings, and improves tissue adherence in microwave stainings.

- Ideal for frozen tissue sections and cytology preparation applications
- Opaque coating reliably retains laboratory markings
- Positively charged

Slides are specially treated for frozen tissue sections and cytology preparation applications, eliminating the need for special adhesives and protein coatings. Cytology preparations placed on these slides resist cell loss during enzyme digestion, DNA denaturation and RNA hybridization. Slides also improve tissue adherence during microwave staining. Slides have an opaque coating that retains most laboratory marking methods.

Description	Color	Thickness	L x W	Cat.No.
Superfrost slides	White	1.0 mm	75x25 mm (3x1")	48311-703

**VWR® SLIDE COLORFROST PLUS**

Color	Size	Cat.No.	Color	Size	Cat.No.	Color	Size	Cat.No.
Green	25x75mm	76554-066	Aqua	25x75mm	76554-060	Gold	25x75mm	76554-056
Pink	25x75mm	76554-070	Tan	25x75mm	76554-058	Lilac	25x75mm	76554-064
Blue	25x75mm	76554-062	Orange	25x75mm	76554-068	White	25x75mm	76406-948
Yellow	25x75mm	76554-072						

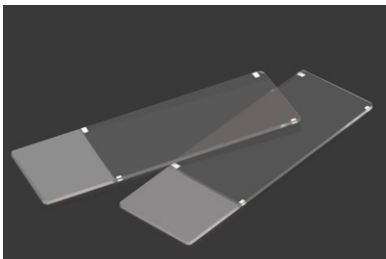
* Some products are only available in certain regions.

GROSSING, AUTOPSY AND SECTIONING

VWR® FROSTED MICROSCOPE SLIDE WITHOUT TISSUE PAPER

VWR® Frosted Microscope Slides without Tissue Paper are specially designed with consistent and clean surfaces for staining experiments. They are ideal for histology, hematology and microbiology applications. Slides feature frosted areas on both sides of one end for convenient marking. A fine polished edge and 45° clipped corners promote ease and safety in handling. Slides are packaged 72 per pack, 20 packs per case.

L x W	Thickness	Cat.No.
75 x 25 mm	1 mm	89085-399



VWR® PREMIUM FROZEN SECTION COMPOUND

- Water-Soluble Embedding Compound

Frozen section compound is a fast-acting, water-soluble embedding compound designed for use in frozen sectioning. The compound bonds and encapsulates tissue specimens to the object holder for cryosectioning. At a working temperature of -20 °C (-4 °F), it provides optimal sectioning consistency with minimal section curling. Each bottle features an extended length tip for increased accuracy in dispensing. Highly recommended for surgical pathology laboratories. Available clear or in a light blue format for better visualization of small specimens. Size: 118 mL (4 oz.).

Color	Cat.No.
Clear	95057-838



VWR® ILLUMINATED TISSUE FLOTATION BATHS

The VWR® Illuminated Tissue Flotation Baths are designed for use in the Histology Lab that is conducting tissue preparation. An LED-illuminated black background with a transparent PYREX® dish allows for easy viewing of the sample, which can also be removed for easy cleaning. The digital microprocessor control and temperature sensor ensures temperature uniformity, while the safety over-temp device provides protection for the samples. VWR offers both a Premium version and a Standard version of these Tissue Flotation Baths. The Premium version includes both an orienter block and a dryer block on the back of the unit, which assists in the drying and smoothing of slides and specimens.



A compact footprint uses less bench space, and the easy-to-read display can be seen easily throughout the lab.

UL/CSA Listed and CE Certified.

Ordering information: The VWR Illuminated Tissue Flotation Bath is supplied with one PYREX® dish, instruction manual and power cord. Each unit comes with a two-year warranty on parts and labor. Additional PYREX® dishes are available for purchase.

Block Temperature	—
Capacity	1.9 L (2 qt.)
Dimensions	7W x 11L x 1.7H", dish
Overall Dimensions	14.25W x 14.25L x 4.5H"
Shipping Weight	12 lbs.
Uniformity	+/- 1°C at 55°C

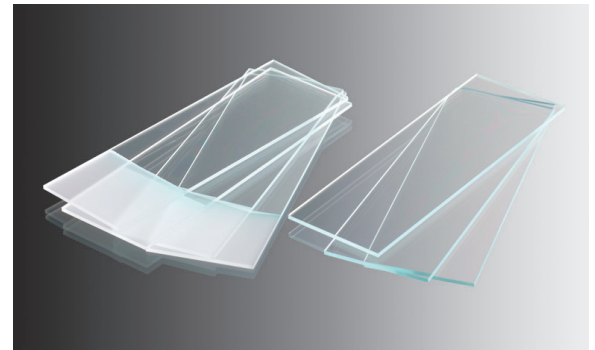
Description	Electrical	Temperature Range	Cat.No.
Illuminated Tissue Flotation Bath	115V, 50/60Hz, 272W	'Ambient +5°C to 65°C	97043-530
Premium Illuminated Tissue Flotation Bath	115V, 50/60Hz	'Ambient +5°C to 65°C	97043-534

VWR® VISTAVISION™ MICROSCOPE SLIDES, PLAIN AND FROSTED

Microscope slides are manufactured of soda-lime glass in accordance with ISO 8037/1 standards. A thorough automatic cleaning process ensures that slides are ready to use without further treatment. Frosted slides feature a fine 20 mm frosted marking area.

L x W	Thickness	Cat.No.
Plain Slides		
75 x 25 mm	1 mm	16004-422
75 x 25 mm	1.2 mm	16004-426
3 x 1"	1 mm	16004-430
3 x 1"	1.2 mm	16004-424
Double-End Frosted Slides		
75 x 25 mm	1 mm	16004-418

L x W	Thickness	Cat.No.
Single-End Frosted Slides		
75 x 25 mm	1 mm	16004-368
75 x 25 mm	1.2 mm	16004-372
3 x 1"	1 mm	16005-106
3 x 1"	1.2 mm	16004-370

**VWR® TISSUE FLOTATION WATER BATH**

Designed especially for tests and procedures using tissue cultures. Typical use is in the preparation of tissue paraffin sections and the elimination of wrinkles and distortions of the tissue sections.

Round, seamless, sheet aluminum bath is insulated with fiberglass. It features a baked gray enamel exterior and a cover. Bath surface is black ceramic-coated steel, which offers improved visibility of tissue sections. The warm broad edge of the bath is a convenient drying surface for processed slides. Complete with thermostat reference dial and knob, thermometer holder, pilot light, 18-gauge three-wire rubber safety cord and plug, and skid-resistant feet.

Dimensions	Chamber: 21 dia. x 5D cm (8 1/4 x 2"), Outside: 28 dia. x 9.2H cm (11 x 35/8"), Rim: 3.2 cm (1 1/4")
Sensitivity	±1°C

Electrical	Temperature Range	Cat.No.
115V, 50/60Hz, 190W	35 to 65 °C (95 to 149 °F)	80086-982
230V, 50/60Hz, 190W	35 to 65 °C (95 to 149 °F)	80086-984

**VWR® HYBRIDIZATION BATH**

Designed for in situ hybridization, slide warming and drying, immuno-histochemistry, FISH and all single-temperature microscope slide incubation procedures. Bath features a PID controller for easy temperature setting and exhibits excellent temperature uniformity and stability. Supplied with a tempered glass lid that seals via an integral gasket on the heating base. This device holds up to 30 standard microscope slides, divided into three rows of 10. Slides are easily entered and removed and are visible throughout usage. The clearance between lid and slide pedestal is 1 cm (13/32"). The bath heats up from ambient to 65 °C (149 °F) in 20 minutes.

Ordering information: VWR two-year limited parts and labor warranty.

Dimensions	40.6W x 34.9D x 14.6H cm (16 x 133/4 x 53/4")	Temperature Stability	±0.2 °C
Shipping Weight	10.4 kg (23 lbs.)	Temperature Uniformity	±0.35 °C at 37 °C, ±0.07°C at 65 °C

Electrical	Temperature Range	Cat.No.
115 V, 60 Hz	5° above ambient to 100 °C (212 °F)	80086-996

**VWR® SLIDE LABELS**

Designed to help prevent curling or detaching, slide labels are printed on smudge proof litho sheets and feature a permanent adhesive.

- Labels have a thickness 0.012 cm (0.0078")
- Color: white

Description	Color	Dimensions	Packaging	Cat. No.
Slide Labels	White	22.2x11 mm (0.88x0.44")	80 labels/sheet, 13 sheets (1040 labels)	89097-844
Slide Labels	White	22.2x11 mm (0.88x0.44")	1000 labels/roll	89097-854
Slide Labels	White	22.2x22.2 mm (0.88x0.88")	1000 labels/roll	89097-832
Slide Labels	White	22.2x22.2 mm (0.88x0.88")	40 labels/sheet, 25 sheets (100 labels)	89097-842



* Some products are only available in certain regions.

GROSSING, AUTOPSY AND SECTIONING



BRADY BMP®51 LABEL MAKER/PRINTER, BRADY WORLDWIDE

The BMP®51 Label Printer has all the latest features for printing on the go: a large display screen, hassle-free media cartridges, fast print speed and more.

- Single color
- Stand-alone and PC connect
- Thermal transfer
- Three power options: AC Power (included), rechargeable lithium-ion battery (included), or 8 AA's (not included)

Handheld label printer for creating multi-line labels to identify wires, panels, circuit boards and any other industrial items. QWERTY keyboard contains letters A to Z, numbers 0 to 9, and backlit LCD graphics display for easier labeling even in low-lit areas. Prints text in single color and in different text sizes ranging from 4 point to 103 point.



Description	Cat. No.
BMP®51 Label printer with Li-Ion battery	89219-644



CHARGED MICROSCOPE SLIDES, WHITE GLASS, GLOBE SCIENTIFIC

Charged slides provide an ideal surface for cell and tissue adhesion.

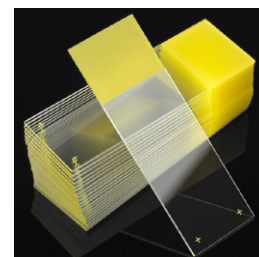
- Produced from the finest-quality optical white glass
- Charged surface allows cells and tissues to adhere to the slide
- Packed in high-quality white plastic boxes
- Dimensions: 25×75 mm
- Thickness: 1 to 1.2 mm

Diamond™ White Glass Microscope slides are made from chemically pure white glass sheets. The glass offers a low iron content, which results in superior transparency, very low self-flourescence, and no color distortion. The special composition of the glass provides minimal oxidation, which ensures sample integrity during long-term storage. Increased hardness and molecular stability of the slide surface guarantees more accurate experimental results. All Diamond™ White Glass microscope slides are packaged in high-quality plastic boxes and double cellophane-wrapped to protect against moisture and foreign particles.

Charged Microscope Slides with Beveled Edges and 45° Clipped Corners are available in bright colors and are pre-cleaned and supplied ready for use. These slides are packed in high-quality white plastic boxes.

These popular slides are being utilized in histology, cytology and pathology departments, where the convenience of an adhesive slide saves the user time and money.

Ordering information: Slides are packaged 72 per box, 20 boxes per case (10 gross).



Description	Color	Thickness	L x W	Cat.No.
Slides	White	1.0 mm	75×25 mm (3×1")	89500-496

SLIDE DISPENSER FOR 72 SLIDES, GLOBE SCIENTIFIC

The Globe microscope slide dispenser is designed for use with 25 x 75 mm and 3 x 1" microscope slides. To use, simply insert one full box of 72 slides into the holder. Turn the dial to dispense one slide at a time. This convenient dispenser prevents slides from getting dirty, dusty and scratched.

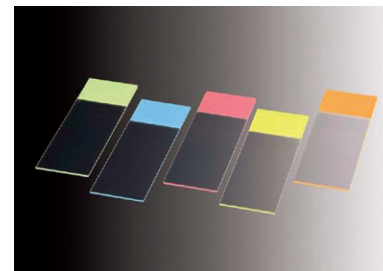
Description	Cat.No.
Slide Dispenser for 72 Slides	89510-754





EVERMARK SELECT MICROSCOPE SLIDES, AZER SCIENTIFIC

Made from high-quality glass, these slides are pre-cleaned with smooth grounded edges. All slides have single-side, color-frosted ends to help avoid sticking and jamming. Frosted finish is resistant to common lab chemicals. Adhesive slides feature a permanent positive charge to firmly anchor all types of specimens to the slide. Slides with clipped corners are approved for use with Leica™, Sakura™, Sysmex™ and other automated instruments.



Description	L x W	Thickness	Color	Cat.No.
Adhesive Slide with Clipped Corners	75 x 25 mm	1 mm	Aqua	89049-662



TOMO® ADHESION MICROSCOPE SLIDES, MATSUNAMI GLASS

Matsunami TOMO® hydrophilic adhesion slides offer superior tissue adhesion, staining performance and slide surface fluidics.

Matsunami microscope slides are manufactured in Japan using optically clear, exceptionally flat, low-fluorescence glass. The slides are finished with clipped or 90° corners.

Proprietary slide coating ensures consistent performance, even after exposure to heat stress and humid environmental conditions. Recommended for use on Ventana Benchmark staining platform and automated IHC platforms.

Certifications: ISO 13485 certified. IVD CE marked.

Ordering information: Slides are packaged 100 per box, 10 boxes per case (1000 slides).



Description	Color	Thickness	L x W	Cat.No.
Tomo® adhesion slides, 90° corners	White	1.0 mm	75 x 25 mm	10000-038
TOMO® Adhesion Microscope Slides	Blue	1.0 mm	75 x 25 mm	10748-172
TOMO® Adhesion Microscope Slides	Green	1.0 mm	75 x 25 mm	10748-174
TOMO® Adhesion Microscope Slides	Pink	1.0 mm	75 x 25 mm	10748-170
TOMO® Adhesion Microscope Slides	White	1.0 mm	75 x 25 mm	10748-166
TOMO® Adhesion Microscope Slides	Yellow	1.0 mm	75 x 25 mm	10748-168

MAS-GP HYDROPHILIC ADHESION MICROSCOPE SLIDES, MATSUNAMI GLASS

The Matsunami MAS-GP slide surface is treated with a coating that creates a strong adhesive and hydrophilic surface. The hydrophilic surface ensures faster draining of the water between the glass surface and tissue section, thereby minimizing any water trapped when the tissue section is retrieved from a water bath. Reducing or eliminating the trapped water increases the adhesive bond between the tissue section and the microscope glass. The proprietary coating produces a strong positive charge on the slide. Tissue sections having a negative charge are attracted to the surface of the glass. The bond is highly durable to thermal treatment.

Matsunami microscope slides are manufactured in Japan using optically clear, exceptionally flat, low-fluorescence glass. They are finished with clipped corners.

Ordering information: Slides are packaged 100 per box, 10 boxes per case (1000 slides).



Description	Color	Thickness	L x W	Cat.No.
MAS-GP Adhesion Microscope Slides	Blue	1.0 mm	75 x 25 mm	10748-182
MAS-GP Adhesion Microscope Slides	Green	1.0 mm	75 x 25 mm	10748-184
MAS-GP Adhesion Microscope Slides	White	1.0 mm	75 x 25 mm	10748-176

GROSSING, AUTOPSY AND SECTIONING



MILLENNIA™ COMMAND ADHESION SLIDES, STATLAB

- A universal adhesion slides for H&E, IHC and special stains.
- Hybrid slides suitable for IHC, H&E, and special staining
 - Optimized coating for strong adhesion to reduce tissue loss and provide consistency of staining
 - Exhibits minimal background staining during all types of staining
 - Hydrophilic, 90° corners
 - Compatible with thermal transfer printers



Part of the StatLab Millennia adhesion microscope slides family. Manufactured in Japan.

Color	Thickness	LxW	Cat. No.
Aqua	1 mm	75x25 mm	76553-854
Green	1 mm	75x25 mm	76553-842
Lilac	1 mm	75x25 mm	76553-850
Pink	1 mm	75x25 mm	76553-844
Red	1 mm	75x25 mm	76553-852
Tan	1 mm	75x25 mm	76553-846
Yellow	1 mm	75x25 mm	76553-848



CHLORINE-FREE PEVA BODY BAG, WITH ENVELOPE ZIPPER, MORTECH®

- Chlorine-free body bag.
- Overall dimensions are 36Wx94"L
 - Envelope-style zipper with two pulls
 - Without handles
 - Minimum five years shelf life
 - Max. temperature use is 180 °F

Bags are fabricated from 8 mil polyethylene vinyl acetate and are chlorine-free. They remain flexible to -70 °F (-57 °C) for use in winter environments or morgue coolers, without cracking.



Description	Color	Cat. No.
Chlorine-free PEVA body bag, with envelope zipper	White	76498-486

HEAVY-DUTY BODY BAG WITH ENVELOPE ZIPPER AND HANDLES, MORTECH®

- Heavy-duty body bag.
- Overall dimensions are 34Wx93L"
 - Bags feature 6 (six) 2" handles
 - Weight capacity is 300 lbs
 - Girth is 60"

Constructed of heavy-duty 14 mil PVC material, with an envelope-style zipper.



Description	Color	Cat. No.
Body bag with envelope zipper and handles	Blue	76498-420

MOPEC SWORDFISH AUTOPSY SAW, MORTECH®

Previously known as the Mopec 5000, the Mopec Swordfish is the first bone saw developed specifically for autopsy use.

- 13200 CPM oscillation reduces vibration during use
- Overload prevention via automatic current-limiting mechanism
- Hermetically sealed
- Non-slip grip portable base or mountable base can be built into autopsy table
- Thick, durable cable prevents saw damage if cable is cut

The Mopec Swordfish is totally submersible for complete cleaning. The hand-piece runs on 40 V for a cooler touch, with reduced vibration, and the axial mount blades offer safer installation. Labs and employees will benefit from this safer, more hygienic autopsy saw.

Overall weight without power cord is 2.8 lbs. Submersible for up to 15 minutes for safe immersion during cleaning.

Certifications: CE certified.

Delivery information: The saw includes four stainless steel blades (64 mm circular, 76 mm circular, 51 mm segmented and 64 mm segmented). A blade removal tool is also included.

Caution: Longer submersion may cause water damage.



Description	Electrical	Cat.No.
Mopec swordfish autopsy saw	115 V	76498-348

MOPEC 810 AUTOPSY SAW, MORTECH®

High-speed oscillating action quickly cuts through bone with minimal damage to soft tissue. Use for removing the cranial cap, making linear cuts or sectioning small bone specimens.

- Voltage: 120 V/60 Hz/1 PH
- 10' cord with hospital-grade plug
- Weight with power cord: 3.7 lbs.
- Weight without power cord: 3.2 lbs.

Saw includes one (1) large section blade, Allen wrench and 10' cord with hospital-grade plug.



Description	Electrical	Cat.No.
Mopec 810 autopsy saw	115 V	76498-414

AUTOPSY SAW BLADES FOR MOPEC SWORDFISH AUTOPSY SAW, MORTECH®

Round, sectional and segmented blades are available for any bone-cutting application, including cranial removals, cross and long bone sectioning and vertebral column.

- Choose from section blade, round blade, large round blade or spinal column blade
- Stainless steel construction

Axial mount blades eliminate nicks to fingers and knuckles.

Description	Diameter	Cat.No.
Section blade	64 mm	76498-402



GROSSING, AUTOPSY AND SECTIONING

AUTOPSY SAW BLADES FOR MOPEC SWORDFISH AUTOPSY SAW, MORTECH®

Round, sectional and segmented blades are available for any bone cutting application, including cranial removals, cross and long bone sectioning and vertebral column.

- Choose from section blade, round blade, large round blade or spinal column blade
- Stainless steel construction

Axial mount blades eliminate nicks to fingers and knuckles.

Description	Electrical	Cat.No.
Round blade	64 mm	76498-400
Large round blade	76 mm	76498-404
Spinal column blade	51 mm	76498-398



DISPOSABLE DISSECTING BOARDS, MORTECH®

Disposable dissection boards are ideal for a wide variety of pathology applications, including photography, specimen isolation, specimen pinning and satellite operations.

- Multiple sizes and pack quantities available

Cutting surface offers standard and metric scales and sizing grids.

Description	LxW	Cat.No.
Disposable dissecting boards	6.75x8"	76498-294



DISSECTING BOARDS WITH OPTIONAL LEGS, MORTECH®

Easy-to-clean dissection board with optional removable legs offer a more ergonomic multi-user work surface.

- Polyethylene construction
- Custom sizes available upon request

Cutting boards have safe rounded edges and removable legs or non-skid feet. Dark blue color is available for specimen photography.

Description	LxW	Cat.No.
Dissecting board, without legs	23x16"	76498-284



DISPOSABLE AUTOPSY AND PATHOLOGY GROSSING PREP KNIVES, MORTECH®

Complete disposal of knife and handle eliminates problems of replacement blades fitting and the worries of contamination when working with diseased tissue. Mopec knives have double-honed, long-lasting, flexible blades with non-slip handles to ensure accurate dissection.

- Standard-grade Sheffield stainless steel
- Double-honed, flexible blade
- Pack of ten
- Set includes two of each knife

All knives are supplied in packs of 10 (an assorted pack containing two of each size is also available). The box in which the knives are packed may be used for archiving tissue cassette blocks, which holds up to approximately 250 standard blocks.

Description	Cat.No.	Description	Cat.No.
4" Cartilage Knife	76549-316	4" Cartilage Knife	76549-344
6" Trimming Knife	76549-318	6" Trimming Knife	76549-346
8" Trimming Knife	76549-320	8" Trimming Knife	76549-338
10" Lung Knife	76549-322	10" Lung Knife	76549-340
12" Brain Knife	76549-324	12" Brain Knife	76549-342
Assorted Knives Pack	76549-326	Assorted Knives Pack	76549-348





ULTRA MICROTOME BLADES, EPREDIA™

Epredia disposable Ultra microtome blades use a proprietary steel-hardening technology (Pink Technology) to achieve better cutting performance and longevity.

- Proprietary technology produces an edge stronger than traditional blades
- Special coating treatment provides durability and consistency from blade to blade
- High- and low-profile disposable blades can be used with any microtome or cryostat on the market
- Unique angle profile that facilitates faster ribboning

Description	Cat.No.
MX35 Ultra low-profile blades	89202-606
HP35 Ultra high-profile blades	89202-608



MX35 PREMIER™ LOW-PROFILE BLADES, EPREDIA™

Section all type of tissue samples, including hard tissues with high-quality thin sections with high-performance using Epredia™ MX35 Premier™ Disposable Low-Profile Microtome Blades.

- Sharper edge with increased durability for longer blade life
- Premier Plus blades provide greater durability
- Superior sharpness for lower blade friction and longer blade life

Description	Cat.No.
MX35 Premier™, Low Profile	89238-776
MX35 Premier™ Plus, Low Profile	89238-778



MB35 PREMIER LOW-PROFILE BLADES, EPREDIA™

Epredia™ MB35 Premier Disposable Low-Profile Microtome Blades are best for routine applications and have consistent edge sharpness for high-quality thin sections. Feature superior edge stability.

- Low profile
- Increased durability

Description	Cat.No.
MB-35 Premier Low-Profile Blades	89238-772



MB22 PREMIER LOW-PROFILE BLADES, EPREDIA™

Epredia™ MB22 Premier Disposable Low-Profile Microtome Blade is designed with a steeper angle for applications where extremely thin, high-quality sections are required.

- Maximum cutting angle 22°

Thickness	Width	Length	Cat.No.
0.25 mm (0.01")	8 mm	80 cm (31.5")	89238-770

HP35 HIGH-PROFILE BLADES, EPREDIA™

Use Epredia™ HP35 Disposable Microtome Blades for routine applications with a high proportion of harder tissue.

- High profile
- Increased durability

Description	Cat.No.
HP-35 Coated High-Profile Blades	89238-786

GROSSING, AUTOPSY AND SECTIONING

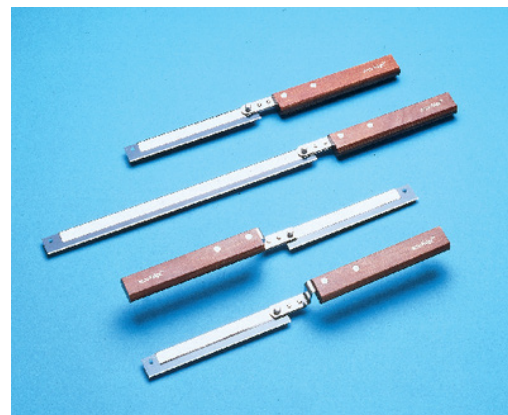


TISSUE-TEK® ACCU-EDGE® TRIMMING KNIFE HANDLES AND DISPOSABLE BLADES, SAKURA® FINETEK

For trimming and sectioning tissue samples during surgical grossing and autopsy procedures.

Two types of hardwood handles, straight or hand-specific, hold either of two lengths of blades. Advanced design allows blades to be removed and replaced quickly and easily. Long or short disposable steel blades sold separately.

Description	Length	Cat.No.	Description	Length	Cat.No.
Trimming Handles			Trimming Blades		
Short, Straight	125 mm (4 ²⁹ / ₃₂ "	25608-996	Long	260 mm (10 ¹ / ₄ "	25609-002
Long, Straight	125 mm (4 ²⁹ / ₃₂ "	25609-004	Short	130 mm (5 ¹ / ₈ "	25608-994



TISSUE-TEK® ACCU-EDGE® DISPOSABLE MICROTOME BLADES, SAKURA® FINETEK

These ultra-sharp blades section specimens without striations, distortion or chattering.

Low-profile blades fit all Accu-Edge® blade holders for microtomy and cryotomy. High-profile blades are compatible with holders designed for disposable blades 14 mm in height. Blades come in dispensers that hold 50 blades and deliver them in seconds, automatically ejecting the used blade.

Description	Cat.No.
High-Profile Blades	25608-961
Low-Profile Blades	25608-964



TISSUE-TEK® ACCU-EDGE® COUNTERTOP GROSSING STATION, SAKURA® FINETEK

Featuring enhanced grossing capabilities for limited spaces, the Tissue-Tek® Accu-Edge® Countertop Grossing Station is ideal for smaller labs, as it designed to sit on any countertop.

Standard grossing station features include:

- Adjustable leveling feet
- Dissecting board
- Two duct options: outside ventilation source or self-contained ventilation system with replaceable filters
- Formalin container with spigot
- GFIC waterproof electrical receptacles
- Magnetic instrument holder
- Deck mount magnifier light
- C-fold paper towel holder
- Dual recessed halogen lighting
- Small sink
- Vacuum breaker protection
- Optional base legs (sold separately)



Signed blueprints provided with signature required by facilities.

Constructed from high-quality stainless steel, this countertop Grossing Station is equipped with a vacuum breaker-protected water supply.

Ordering information: For a detailed listed of optional accessory items and workstation components, see Tissue-Tek® Accu-Edge® Pathology Station Accessories, Sakura Finetek.

Description	Height	WxD	Cat.No.
Countertop Grossing Station	48"	48x29"	89199-658

TISSUE-TEK® O.C.T. COMPOUND, SAKURA® FINETEK

This Tissue-Tek® optimum cutting temperature (O.C.T.) formulation of water-soluble glycols and resins provides a convenient specimen matrix for cryostat sectioning at temperatures of -10 °C (14 °F) and below.

Leaves no residue on slides during staining procedure, eliminating undesirable background staining. The O.C.T. compound is supplied in a 118 mL (4 oz.) bottle.

Description	Cat.No.
Tissue-Tek® O.C.T. Compound	25608-930



* Some products are only available in certain regions.

TISSUE-TEK® ACCU-EDGE® GROSSING STATIONS, SAKURA® FINETEK

Accu-Edge® Grossing Stations offer the opportunity to customize a grossing station to fit any laboratory's specific requirements

Standard grossing station features include:

- 1/2 HP disposal
- Dissecting area rinse
- Polyethylene dissecting board
- Formalin container with spigot
- GFCI waterproof electrical receptacles
- Halogen light on flex arm
- Magnetic instrument holder
- Large sink with mixing faucet
- Dual recessed halogen lights
- Small specimen sink with cold water valve and basket
- Spray hose assembly
- C-fold stainless paper towel holder
- Vacuum breaker protection
- Exhaust duct to building



Signed blueprints provided with signature required by facilities.

Ordering information: For a detailed listed of optional accessory items and workstation components, see Tissue-Tek® Accu-Edge® Pathology Station Accessories, Sakura Finetek.

Constructed from high-quality stainless steel, the Tissue-Tek® Accu-Edge® Grossing Station is a floor model that stands at counter height. These pathology grossing stations are available in elevating or non-elevating formats. Elevating stations offer the ability to elevate from 32" to 44" to accommodate all lab personnel. Stations are available with or without hands-free infrared controls for hot, cold, rinse and disposal functions.

Description	Height	WxD	Cat.No.
Elevating Grossing Station without Infrared Controls	77 - 89"	60x31"	89199-652

TISSUE-TEK® CRYO3® FLEX, CRYOSTATS, SAKURA® FINETEK

Charged slides provide an ideal surface for cell and tissue adhesion.

- XYZ specimen orientation - precisely align the face of tissue to the blade without losing tissue
- Chuck stays in position when locking and unlocking
- 1" specimen travel - ability to section thick tissue samples
- Anti-roll rake - ensures that sections are flat and allows easier pickup of tissue
- Storage space for up to 20 specimen holders
- Cooled blade holder for easier specimen collection
- USB and LAN ports enables connection to service support by manufacturer

Software enables an accumulated section count of number of sections made and the total thickness cut in microns.

On-demand/manual defrost cycle is completed in 30 minutes. Automatic defrost cycle can be set to occur daily when unit is not in use.

Cryo+™ bar - When activated it is 20 °C lower than the chamber temperature, within 5 minutes for rapid freezing of specimen. Lowest Cryo+ temperature is -50 °C. Cryo+ function automatically shuts off after 15 minutes after reaching temperature.

Option with winged chuck is available, which retains its XYZ angle position when locked/unlocked.

Certifications: IEC 61010-1:2010 Ed:3, UL 61010-1 Ed:3.

Accessories information: Included accessories are operating manual, 10 each Accu-Edge LP and HP Blades, 6 #5807 Small Specimen Holders, 6 #5808 Medium Specimen Holders, 100 Cryomolds Standard, 100 Cryomolds Biopsy, 1 #4583 OCT Compound, Heat Extractor, Utility Tray, Anti-Roll Plate, Anti-Roll Rake, Waste Bottle, Drain Cleaning Brush, 6 Cryobar Inserts.



Capacity	1-99 microns in 1 micron steps, vertical travel up to 2.5", horizontal travel up to 1"
Electrical	115/120VAC, 50/60Hz, 11A
Temperature Set Range	Chamber, -35 - 0 °C

Description	Application	Includes	Cat.No.
Tissue-Tek® Cryo3® Flex, Basic Cryostat	Precision instrument used to freeze and section tissue specimens	Heated chamber window	75814-698
Tissue-Tek® Cryo3® Flex, D Cryostat	Precision instrument used to freeze and section tissue specimens with ozone disinfection, vacuum debris removal system	Heated chamber window, password restrict access to chamber	75814-700
Tissue-Tek® Cryo3® Flex, DM Cryostat	Motorized, precision instrument used to freeze and section tissue specimens with ozone disinfection, vacuum debris removal system	Heated Chamber Window, password restrict access to chamber, red emergency motor power off switch	75814-702
Tissue-Tek® Cryo3® Flex, MOHS with Winged Chuck	Precision instrument used to freeze and section tissue samples, designed for MOHS technique	Heated chamber window, password restrict access to chamber	76028-310

* Some products are only available in certain regions.

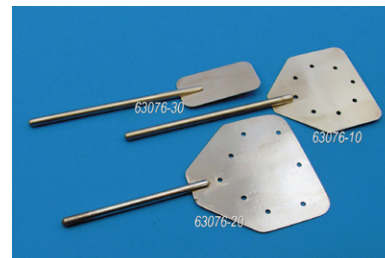
GROSSING, AUTOPSY AND SECTIONING



SECTION LIFTERS, ELECTRON MICROSCOPY SCIENCES

Section lifters are made from polished stainless steel.

Description	Length	Cat.No.
Section Lifter Model A, 1 $\frac{1}{8}$ x 1 $\frac{1}{2}$ "	6"	100498-340
Section Lifter Model B, 2 $\frac{1}{2}$ x 2"	7"	100498-342



GLASS KNIFE MAKING PLIER, ELECTRON MICROSCOPY SCIENCES

These pliers are specially designed with its jaws ground to a special shape for ease of preparation when making glass knives.

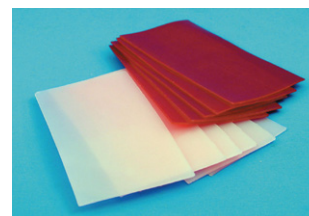
Description	Cat.No.
Glass Knife Plier	100498-008



DENTAL WAX SHEETS, ELECTRON MICROSCOPY SCIENCES

Pink wax is a hard and thick wax sheet that is ideal for mincing and cutting tissues. Red wax is no longer available. Approximately 31 to 35 sheets per pound.

Description	Capacity	Cat.No.
Dental Wax Pink	1 lbs.	100502-628
Dental Wax Pink	5 lbs.	100500-680



NAIL POLISH; CLEAR, ELECTRON MICROSCOPY SCIENCE

Nail polish is used for sealing the boats made from tape to the glass knives.

Description	Size	Cat.No.
Nail Polish	0.5 oz	100491-940



SLIDE WARMERS, ELECTRON MICROSCOPY SCIENCES

Step Up™ Slide Warmer's unique patent pending design helps you save space while still meeting a busy lab's needs.

The anodized black surface provides contrast with samples. The trays are removable for easy cleaning. It has digital LED temperature display and temperature setting.

The Step Up™ holds twice as many slides as a flat unit of the same size and also makes retrieving your slides easier since the end of the slide is not on the flat surface. Model XH-2003.



Description	Cat.No.
Slide Warmer 23 Slides 115 Volt	102097-468
Slide Warmer with 66 slides capacity	102097-476

SLIDE WARMER, ELECTRON MICROSCOPY SCIENCES

These slide warmers are ideal for use in cytology, histology, pathology and biology for paraffin tissue section mounting. Available in two sizes.

- Thermostatic heat control
- Anodized black surface provides contrast
- LED temperature display
- Thermostat setting range from room temperature to 70 °C



Description	Electrical	Dimensions	Cat.No.
Slide Warmer 66 Slides	220 V	63 x 20 cm (25 x 8")	102097-478

* Some products are only available in certain regions.



HM 300 SERIES MICROTOMES, EPREDIA™

The manual rotary microtome is a robust instrument that does not require a power supply to provide high-quality paraffin sections. The HM 325 features retraction at the return travel to protect the specimen and manual coarse advance for fast working. Features of the HM 325 include a one-handed zero orientation head, a quick-trim button, section counter, guide-rail guidance for the knife holder and a large, easy-to-clean waste tray that extends below the knife holder.

This fully automated rotary microtome is designed for all paraffin applications in clinical, research and industrial laboratories. Ease-of-use, optimal ergonomics and advanced control capabilities allow users to personalize operations and deliver precise sections repeatedly. Designed to reduce the threat of repetitive motion disorder, the touch-pad control panel is easily placed on the left or right side of the instrument. Additionally, arm rests are integrated into the waste tray for comfort. Specimen direction, duration and speed are controlled with a single knob. Blade holder levers are also removable to ensure that user settings are maintained by preventing the accidental shifting of parameters. The exceptionally smooth handwheel ensures consistent sections and is automated for high-volume labs.

A variety of safety features are standard on the unit. Selectable, integrated specimen retraction enhances blade longevity and protects the specimen. A removeable cover plate shields the top of the instrument from cuts and stains. The integrated waste tray captures excess paraffin debris to the rear of the blade holder for quick and easy cleaning. To guarantee safe specimen transfer, the handwheel brake locks in any position, and the protective blade guard allows operation without exposing a blade edge.

The electronic rotary microtome is an ergonomically designed electronic rotary microtome. It features stepping-motor advance technology, which provides superior sectioning results. Designed for precision and stability, it yields quality ribbons even for difficult to cut sections. Applications range from paraffin sectioning in routine and research laboratories to plastic embedded specimens.

It features selectable retraction, specimen advance (specimen moves toward the knife), one-handed zero orientation head, and a menu-driven control panel that can be used on either side of instrument. The integrated waste tray captures excess paraffin debris to the rear of the blade holder for quick and easy cleaning. To guarantee safe specimen transfer, the hand wheel brake locks in any position and the protective blade guard allows operation without exposing a blade edge.

CE marked. CSA approved.

Ordering information: The HM 300 series microtomes are supplied with 100 mL PARA/Gard™ paraffin repellent, standard tools, brushed aluminum plate cover, dust cover, and instruction manual. disposable blade holder, universal cassette clamp and instruction manual. The HM 325 and the HM 340 microtomes alone require the use of blade carrier and cassette clamps for operation that must be ordered separately.



Description	D x W x H	Section Thickness	Trimming Thickness	Vertical Specimen Stroke	Weight	Cat.No.
Manual Rotary Microtomes						
HM 325 Manual Rotary Microtome Package with Clamp and E Blade Carrier	48.2 x 40.6 x 28 cm (19 x 16 x 11")				23 kg (50.7 lbs.)	89219-566
HM 325 Manual Rotary Microtome Package with Clamp and ER Blade Carrier	48.2 x 40.6 x 28 cm (19 x 16 x 11")				23 kg (50.7 lbs.)	89399-950
HM 325 Manual Rotary Microtome Only	48.2 x 40.6 x 28 cm (19 x 16 x 11")				23 kg (50.7 lbs.)	89399-944
Automatic Rotary Microtomes						
HM355S Automatic Rotary Microtome Package with Clamp and E Blade Carrier	52 x 41 x 28 cm (20½ x 16 x 11")	0.5 to 100 µm	5 to 500 µm	5 to 500 µm	35 kg (77 lbs.)	89219-570
HM355S Automatic Rotary Microtome Package, with Clamp and ER Blade Carrier	52 x 41 x 28 cm (20½ x 16 x 11")	0.5 to 100 µm	5 to 500 µm	5 to 500 µm	35 kg (77 lbs.)	89399-954
Electronic Rotary Microtomes						
HM340E Electronic Rotary Microtome Only	52 x 41 x 28 cm (20½ x 16 x 11")	0.5 to 100 µm	5 to 500 µm	5 to 500 µm	28 kg (61.7 lbs.)	89399-946
HM340E Electronic Rotary Microtome Package, with Clamp and E Blade Carrier	52 x 41 x 28 cm (20½ x 16 x 11")	0.5 to 100 µm	5 to 500 µm	5 to 500 µm	28 kg (61.7 lbs.)	89219-568
HM340E Electronic Rotary Microtome Package, with Clamp and ER Blade Carrier	52 x 41 x 28 cm (20½ x 16 x 11")	0.5 to 100 µm	5 to 500 µm	5 to 500 µm	28 kg (61.7 lbs.)	89399-952

* Some products are only available in certain regions.

GROSSING, AUTOPSY AND SECTIONING

CRYOSTAR™ NX70 CRYOSTATS, EPREDIA™

Accommodate the needs of both research and clinical laboratories with the the Epredia™ CryoStar™ NX70.

- Knife advance
- Designations for both low and high blade holders
- Multi-axis specimen orientation
- High-quality motorized sectioning
- Specimen retraction

The NX70 introduces a form-fitting design, integrated height control and motorized sectioning.

LED lighting. Motorized (on/off) coarse feed. Manual and motorized, electronically controlled cutting drive. Cutting window manually adjusted to specimen size. Programmed/immediate defrost. Specimen orientation x- and y-axis universal 7° with zero positioning; z-axis up to 360°. Specimen approach manual 3 mm/sec. max. (variable speed by joystick control).

Standard features include electronic height adjustment, rapid-response temperature control, multi-axis specimen orientation, motorized sectioning, specimen retraction, form-fitting design.

Certifications: Certificate of Hygiene. CE marked.

Ordering information: Includes low-profile blade holder, high-profile blade holder or 16 cm steel knife carrier. Low- or high-profile blade holder or 16 cm steel knife carrier must be designated at time of ordering.



Cutting Stroke	64 mm (vertical)
Cutting Thickness	Section 0.5 to 500 µm; Fine section 0.5 to 100 µm
Clearance	Disposable blade carrier 8 to 16° (clearance angle adjustment)
Retraction Length	20 µm (specimen retraction)
Weight	200 kg (440 lb.)
Cutting Speed	0 - 256 mm/s
Display	Integrated color LCD touch screen
Horizontal Range	48 mm (horizontal specimen movement)
Resolution	Trim thickness: 0.5 to 5 µm in 0.5 µm steps, 5 to 10 µm in 1 µm steps, 10 to 20 µm in 2 µm steps, 20 to 50 µm in 5 µm steps, 50 to 100 µm in 10 µm steps; Fine section: 0.5 to 5 µm in 0.5 µm steps, 5 to 10 µm in 1 µm steps, 10 to 20 µm in 2 µm steps, 20 to 50 µm in 5 µm steps, 50 to 100 µm in 10 µm steps

Temperature Control	Knife: -35° to -5°C (-31° to +23°F) at 20°C room temp. (decrease 0.5°C/1°C room temp. increase); Specimen: -50° to +10°C (-58° to +50°F) at +20°C room temp. (decrease 0.7°C/1°C room temp. increase)
Temperature Range	-60 Max.°C (Chamber)
Trimming Thickness	5 to 500 µm
Width	29.7"
Depth	39.4"
Height	32.3 to 44.0"

Description	Cat.No.
CryoStar NX70 Cryostat Package, with Cold D with Low-Profile Blade Carrier	89235-424

HM 525 NX CRYOSTATS, EPREDIA™

The Epredia HM 525 NX series of Cryostats offer exceptional sectioning quality and reliability, an intuitive user interface and enhanced ergonomics for simple, efficient operation. These units combine the proven operation and reliability of the HM 525 cryostat with the new ergonomics and intuitive interface of the Thermo Scientific NX series of cryostats.

The user-friendly touch-screen and icon-driven interface allows intuitive operation of the cryostat and rapid selection and adjustment of functions. A ten-minute specimen fast-freeze operation can be accessed from the menu, and chamber brightness can be adjusted to meet operator needs. Chamber temperature control is available down to -35 °C to accommodate a wide range of specimens. Exceptional sectioning quality is the result of reliable stepper motor technology, which delivers reproducible section thickness, and automatic specimen retraction on the return stroke protects the specimen and reduces carryover of artifacts. The efficient, high-throughput cryochamber has 27 cooled specimen positions to keep up with heavy workloads, and an integrated peltier cools four fast-freezing stations to -55 °C to limit ice crystal formation within the specimen.

The HM 525 NX Cryostats also provides enhanced ergonomics and increased comfort through a light-touch handwheel, which requires minimal force to operate. Increased operator safety results from a mechanical handwheel lock, which completely immobilizes the specimen head. Additional knee space supports comfortable seated operation, body-contoured armrests improve posture and comfort during periods of prolonged use, and a large, flat top keeps accessories readily available. The stainless steel chamber and smooth surfaces allow for efficient cleaning.

Optional, on-demand UV disinfection, which provides high-intensity ultraviolet light, can be activated immediately or through scheduled operation. It protects against surface contamination and occupational exposure to biological pathogens. The adjustable disinfection time can be set up to 300 minutes, and an alert screen indicates an incomplete or interrupted disinfection cycle.

CSA approved. CE marked.

Ordering information: The HM 525 NX Cryostat includes six specimen stages (30 mm), freezing medium (118 mL), cryostat oil (118 mL), section waste tray, debris brush, sectioning brush, tools and operator guide. All units are supplied with a manufacturer's one-year warranty and service offering. Cryostat packages, both with or without optional UV disinfection, include specified blade holder (EC or EC70). Non-packaged units (10031-408 and 10031-410) do not include a blade holder.



Dimensions	25"D x 30"W x 45"H (Adjustable Range)
Electrical	115V, 60Hz
Weight	143 kg (315 lbs.)

Description	Cat.No.
HM 525 NX Cryostat Package, with EC Blade Holder*	10031-412
HM 525 NX Cryostat Package, with EC70 Blade Holder	10031-414

**HISTO-ORIENTATOR™ HOT PLATE, TBS®, GENERAL DATA**

Removes wrinkles and bubbles from sections. Also useful with cryostat to ensure attachment of frozen sections to the slide, preventing loosening of the tissue during agitation in hand-staining.

Temperature Range	Max. 65 °C (149 °F)
Electrical	120 V, 60 Hz, 10 W
Dimensions	8.25H x 7W x 12D cm (3¼ x 2¾ x 4¾")

Description	Cat.No.
Histo-Orientator® Hot Plate	15148-048



* Some products are only available in certain regions.

GROSSING, AUTOPSY AND SECTIONING

FLOTATION WORK STATIONS™, LOW PROFILE, TBS®, GENERAL DATA

Equip your lab with a TBS® Flotation Bath and make your tissue preparation easier, safer and more efficient.

Imagine the practicality of a removable glass dish, the long-term aesthetics afforded by a scratch- and chemical-resistant plastic housing, the optimum specimen viewing provided by a high contrast background illuminated by an LED light array and the dependability & safety of up-to-date microprocessor-controlled electronics combined with the convenience of a HISTO/Orientator™ for flattening sections and a heated slide dryer all-in-one compact unit.

For those flotation bath applications not requiring the added convenience of a slide dryer or HISTO/Orientator™, the basic TBS® Flotation Bath provides all the functional designs of the Flotation Workstation models at an affordable price. Choose from the new 8 x 8 x 2 1/4" design or, for those labs wanting a larger work surface, there is the new 8 x 11 x 2" design.

TBS' Flotation Workstation & Tissue Flotation Baths are now available in low-profile 8 x 8 x 2 1/4" deep-dish versions, and, for those labs wanting to float larger ribbons, 8 x 11 x 2" versions are now available.

Certifications: TUV/CE/FCC certified for 89207-134, 89207-132, 89207-130, 89207-128, 89207-126, 89207-124, 89207-122 and 89207-120.

Ordering information: Flotation Work Stations™ and Tissue Flotation Baths include removable glass bowl, built-in clock & LED light array.



Dimensions	29.8 x 47.6 x 13.3 cm (113/4 x 183/4 x 51/4")
Electrical	100-120 VAC

Description	Cat.No.
Tissue Flotation Bath™, microprocessor-controlled w/8" x 8" x 2 1/4" deep dish removable glass bowl, built-in clock & LED light array	89207-120
Tissue Flotation Bath™, microprocessor-controlled w/11" x 8" removable glass bowl, built-in clock & LED light array	89207-124
Flotation Work Station™, microprocessor-controlled w/removable glass bowl 8" x 8", slide dryer 2" x 5" and tissue orientator 2" x 2"	89207-128
Flotation Work Station™, microprocessor-controlled w/11" x 8" removable glass bowl w/built-in LED light array, 2" x 8" slide dryer and 2" x 2" HISTO/Orientator™	89207-132



ELEVATING PATHOLOGY WORKSTATION, MORTECH®

All stainless steel workstation is equipped with an electro-mechanical actuator that can raise or lower the work surface from 85.1 to 105.4 cm (33 1/2 to 41 1/2").

- Allow hands-free operation for hot water, cold water, rinse and the 1/2 hp commercial-grade disposal unit. Lighting is provided by a top-mounted

The height adjustment is stabilized by an internal scissor lift and a rear stabilizer track. Workstation features a large integral sink with mixing faucet and a spray hose assembly with a hand control. Sink basin measures 40.6Wx30.5Dx25.4H cm (16x12x10"). A dissecting area rinse provides a constant flow of water to work area. The small specimen rinse has a cold water control valve and a sink rinse basket with a stainless steel holder. Infrared controls. fluorescent light fixture and one magnifying lamp with a 3x magnifier and an incandescent bulb mounted on a flexible arm. The workstation features an exhaust duct for connecting to an existing ventilation system and is equipped with a formalin container with a spigot, a stainless steel paper towel holder, a magnetic instrument holder, a polyethylene dissecting board and waterproof GFCI receptacles.

Electrical: 115 V, 60 Hz, 20 A disposal, 115 V, 60 Hz, 15 A station.

Ordering information: Optional features such as a self-contained ventilation system, gas/air valves and a hands-free dictation system are available. Workstation is also available in a 152.4 cm (60") width. Contact your VWR sales representative for more information.



Height	W x D x H	Cat.No.
78 1/2 - 86 1/2"	48x30x78 1/2 - 86 1/2"	29000-022



LEICA CM3050 S RESEARCH CRYOSTATS, LEICA® MICROSYSTEMS

Primarily designed for the demanding needs of cryosectioning in biomedical, neuro-anatomical and pharmaceutical research.

- Freestanding, motorized open-top cryostat with independent specimen temperature control
- Spacious, easy-to-clean cryochamber with illumination
- Removable heated glass sliding window.

Cryochamber temperature setting down to 40 °C in 1° steps. Permanently cooled (down to -45 °C) quick-freeze shelf for 10 specimen discs. Programmable automatic 24-hour defrost cycle. Defrost cycle duration programmable from 6 to 12 minutes. Additional manual defrost feature. Microprocessor-controlled. Foil-protected control panel with locking key to prevent inadvertent changes of programmed parameters. Menu-driven operation in 5 languages (German, English, French, Spanish, Italian) via LCD display. Counterbalanced handwheel, lockable in two positions, for manual sectioning. Locking status indicated on display.

Motorized sectioning: Motorized sectioning operated via control panel and foot switch.

Section counter with reset. Sectioning window adjustment. Handle of the handwheel can be centered in motorized operation. Emergency stop switch. 3 sectioning modes: intermittent, single and continuous stroke. 2 sectioning speed ranges selectable: 0.1 - 170 mm/s; 0.1 - 100 mm/s. Additional maximum speed setting of: 210 mm/s.

Specimen temperature control: Specimen head with specimen temperature control. Temperature setting range: -10 °C to -50 °C in 1° increments. Specimen quick-freeze feature. Manual defrosting. Stainless steel rotary microtome (all specifications related to temperature are valid for a room temperature up to 22 °C and a relative air humidity of 60%.

Section thickness range: 0.5 to 300 µm, in 0.5 µm increments from 0.5 to 2 µm, in 1 µm increments from 2 to 10 µm, in 2 µm increments from 10 to 20 µm, in 5 µm increments from 20 to 60 µm, in 10 µm increments from 60 to 100 µm, in 50 µm increments from 100 to 300 µm, X/Y/Z specimen precision orientation of 8°. Specimen retraction: 50 µm. Total horizontal specimen feed: approx. 25 mm. Total vertical stroke: approx. 60 mm. Programmable trimming: 5 - 150 µm, selectable in 6 discrete steps, in 5, 10, 30, 50, 100 and 150 µm increments. Motorized coarse feed: 500 µm/s and 1000 µm/s.

It is the instrument of choice for all research applications and for advanced clinical cryosectioning needs.

Particularly when working in biomedical, neuro-anatomical and pharmaceutical research with delicate specimens – for example brain samples in neuroscience – the precise specimen orientation and the specimen feed system guarantees reproducible, thin, serial sections of maximum quality.

Certifications: Admissions: CE, UL, c-UL, VDE.

Ordering information: Standard delivery includes 1 cryostat with microtome (14 0470 33518); 1 handwheel with marking, antibacterial (14 0443 36660); 1 heat extractor, stationary (14 0369 11197); 1 low-temperature stabilizer for heat; extractor (14 0452 27919); 1 90° prism for direct specimen freezing on specimen head with clamping screw to facilitate specimen trimming (14 0443 25949); 1 set of specimen discs (14 0470 43550); 4 specimen discs, 25 mm (14 0416 19275); 4 specimen discs, 30 mm (14 0370 08587); 1 storage shelf, right (14 0443 25723); 1 storage shelf, left (14 0443 33549); 1 section waste tray (14 0400 26817); 1 foot switch with protective guard (14 0505 33888); 1 Rubber mat (14 0443 25732); 1 Freezing shelf cover (14 0443 30783); 1 Brush shelf (14 0398 13088); 1 Tool set (14 0436 43463); 1 brush, fine (14 0183 28642); 1 Leica-brush with magnet (14 0183 40426); 1 Allen key, size 1.5 (14 0222 10050); 1 Allen key, size 2.5 (14 0222 04137); 1 Allen key, size 3.0 (14 0222 04138); 1 Allen key, size 4.0 (14 0222 04139); 1 Allen key with spherical head, size 4.0 (14 0222 32131); 1 Allen key, size 5.0 (14 0222 04140); 1 Allen key with handle, size 5.0 (14 0194 04760); 1 Allen key, size 6.0 (14 0222 04141); 1 single-head wrench, size 13 (14 0330 33149); 1 single-head wrench, size 16 (14 0330 18595); 1 tissue freezing medium for cryosectioning, 125 ml (14 0201 08926); 1 bottle of cryostat oil, 50 ml (14 0336 06098); 1 IFU-bundle Leica CM3050 S (14 0443 80001) consisting of: 1 instructions for use Leica CM3050 S, printed, DE/EN; 1 CD including available languages; 1 IFU-language order.

Electrical	120 V, 60 Hz
Weight	180 kg (396.48 lbs.)
WxDxH	882W×766D×1,040H mm (34.72×30.16×40.94") [Width incl. handwheel]

Description	Cat.No.
Leica CM3050 S Research Cryostat	76001-028



GROSSING, AUTOPSY AND SECTIONING

CRYOSTAT, CM1950, LEICA® MICROSYSTEMS

The cryostats for high-quality sectioning, user safety and efficient workflow.

- Innovation and human-oriented features provide a cryostat with a new level of performance

Leica CM1950 cryostat design is the result of extensive customer consultations. It is a highly adaptable platform that can be tailor-made for each laboratory. By starting with the standard instrument and choosing from a range of options, every laboratory can have the clinical cryostat for their individual needs.

UVC disinfection: UVC disinfection minimizes risk of contamination by infectious material.

Silver protect: An antimicrobial, nanosilver coating on all outside surfaces also minimizes contamination risk.

Optional section waste: Removal system provides a safer environment using a concealed primary filter system for solid waste and a bacterial (HEPA) filter for air.

Disposable blade holder: With dovetail mounting plate and knife holder base, provides larger clamping surface and working distance and supports reproducible section quality.

Ordering information: For available options, please contact your VWR representative.



Max. Specimen Size	50×80 mm	Description	CM1950 cryostat, clinical	Operating temperature range	18...35 °C	Speed	Slow: 300 µm/s, in 20 µm steps; fast: 900 µm/s (electric coarse feed)	Cat.No.	76404-224
Weight	193 kg								
W×D×H	850×835×1215 mm								

CRYOSTAT CM1860 UV F/HISTOPATHOLOGY LAB, LEICA® MICROSYSTEMS

Description	Cat.No.
CRYOSTAT CM1860 UV F/HISTOPATHOLOGY LAB	76404-222

LEICA VT1200 S FULLY AUTOMATED VIBRATING BLADE MICROTOME, LEICA® MICROSYSTEMS

The fully automated VT1200 S vibrating blade microtome is designed to meet the highest sectioning demands for cutting fresh and fixed tissue in neuroscience. To achieve sections of the highest quality that retain viable cells on the section surface, the vertical deflection of the blade can be measured by Vibrocheck™ measurement device and minimized with the innovative blade holder.

- Protects delicate specimens
- Double-edged razor injector
- Magnetic specimen holders
- Unique sectioning preferences

Minimal vertical deflection protects delicate specimens during sectioning and results in more viable cells on the section surface. Blade holder for double-edged razor, injector or sapphire blades supports safer blade handling. A second blade holder helps to avoid contamination of specimens. Magnetic specimen holders support easy specimen handling and reproducible orientation. Semi and fully automated cutting modes accommodate many users' unique sectioning preferences.



Cutting Stroke	33×50×20 mm (max.) 20 mm (vertical) 1 - 5 mm/s (adjustable return stroke)	Description	VT1200 S Fully Automated Vibrating Blade Microtome	Speed	0.01 - 1.5 mm/s (Travel Speed)	Dimensions	60L×25W×23H cm (Basic Instrument)	Cat.No.	15159-409
Weight	56 kg (Basic Instrument)								
Magnification	2× Magnifier, Microscope (Options)								
Model	VT1200 S								

VT1000 S VIBRATING BLADE MICROTOME, LEICA® MICROSYSTEMS

The Leica VT1000 S vibrating blade microtome is the instrument of choice for high-quality sectioning requirements in neurophysiology, neuropathology experimental pathology, botany (roots and plants) and industry (foams).

- Electronic adjustable cutting window

The Leica VT1000 S vibrating blade microtome has been designed for special applications associated with sectioning of fresh biological tissues. Due to its unique design, the Leica VT1000 S microtome is also the ideal instrument for sectioning various industrial and plant materials (foams, soft rubbers, various plant parts, as for example roots). The minimum section thickness achievable with that instrument is around 15 µm.

Ordering information: Power cord is required and sold separately. For options, contact your VWR representative.



Cutting Stroke	15 mm (total)	16 mm (total)	Description	Leica VT1000 S - Automatic Vibrating Blade Microtome	Section thickness	2 - 40 mm	Dimensions	0.025 - 2.5 mm/s (travel speed)	Cat.No.	76001-016
Max. Specimen Size	70×40×15 mm	71×40×15 mm								
Amplitude	0.2; 0.4; 0.8; 1.0 mm	0.2; 0.4; 0.8; 1.0 mm								
Magnification	2× magnifier (option)	2× magnifier (option)								



ILLUMINATED TISSUE FLOTATION BATH, MOPEC®

Mopec's Illuminated Tissue Flotation Bath features an LED light and high-contrast background that allows users to better view tissue sections while also detecting foreign particles floating on the surface of the water. The LED light is dimmer-controlled and can be switched between white or blue.

- Designed to take up minimal bench-top space
- Switch between blue or white LED back lighting with dimmer control for optimal viewing
- Extra deep bowl to assist with tissue pick-up at any angle
- Digital temperature control
- Rapid heating system ensures system is ready to use in less time
- Convenient slide drying area at the rear of the bath
- Antimicrobial coating to help prevent bacteria and virus growth
- Optional lid helps improve temperature control and prevent surface particle (76579-216) blockages and is available in 7.5 L and 15 L capacities. Units sold separately.



Description	Cat.No.
Tissue Flotation Bath	76579-214

SLIDE DRYING MINI WORKSTATION, MOPEC®

Mopec's slide drying, mini workstation for flotation baths was specifically designed to fit directly over our illuminated tissue flotation bath and take up minimal bench-top space. This workstation features a mini hotplate to remove wrinkles from tissue sections and a sloped drying area that holds up to 12 slides.

- Designed to take up minimal bench-top space
- Fits directly over our illuminated tissue flotation bath
- Digital temperature control
- Rapid heating system ensures system is ready to use in less time
- Mini hotplate removes wrinkles from tissue sections
- Sloped drying area improves drying time and can hold up to 12 slides
- Antimicrobial coating to help prevent bacteria and virus growth

Sold individually.



Description	Cat.No.
Slide Drying Mini Workstation	76579-218

MINI SLIDE DRYING HOTPLATE, MOPEC®

Mopec's mini slide drying hotplate is designed to quickly and efficiently remove wrinkles from tissue sections while taking up minimal bench-top space. The rapid heating system ensures the hotplate is ready to use in less time.

- Designed to take up minimal bench-top space
- Rapid heating system ensures system is ready to use in less time
- Antimicrobial coating to help prevent bacteria and virus growth

Sold individually.



Description	Cat.No.
Mini Slide Drying Hotplate	76579-284

GROSSING, AUTOPSY AND SECTIONING

ILLUMINATED TISSUE FLOTATION BATH, MOPEC®

Mopec's Illuminated Tissue Flotation Bath features an LED light and high-contrast background that allows users to better view tissue sections while also detecting foreign particles floating on the surface of the water. The LED light is dimmer-controlled and can be switched between white or blue.

- Designed to take up minimal bench-top space
- Switch between blue or white LED back lighting with dimmer control for optimal viewing
- Extra deep bowl to assist with tissue pick-up at any angle
- Digital temperature control
- Rapid heating system ensures system is ready to use in less time
- Convenient slide drying area at the rear of the bath
- Antimicrobial coating to help prevent bacteria and virus growth
- Optional lid helps improve temperature control and prevent surface particles (76579-216)



Description	Cat.No.
Tissue Flotation Bath	76579-214



HYALINE SYNTHETIC LOW TEMPERATURE CRYOSTAT LUBRICATION KIT, SPRINGSIDE SCIENTIFIC

This product is a quality alternative to Leica and is made from the highest-quality, low-temperature synthetic lubricants. Low-temperature synthetic grease is perfect for mating surfaces of the cutting block, cutting head moving parts or the internal sliding mechanisms within the microtome.

Ordering information: Kit includes 2 x 1 oz. ultrapure cryostat oil and 2 x 2 oz. brush-on synthetic cryostat grease. Used to expand the internal chuck capacity of the cryostat.



Description	Cat.No.
Metal Box	10764-044

STAINLESS STEEL SPECIMEN CHUCK STAND, SPRINGSIDE SCIENTIFIC

This stainless steel stand is used to store chucks both outside and inside the cooling chamber.

This small metal stand fits five specimen chucks up to 55 mm in diameter. Specimen chucks are not included. High quality stainless steel stand is perfect for in-chamber and can be used to expand the internal chuck capacity of the cryostat.



Description	Cat.No.
Chuck Stand	10764-046



Staining

DISCOVER
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[VWR.COM](https://www.vwr.com)



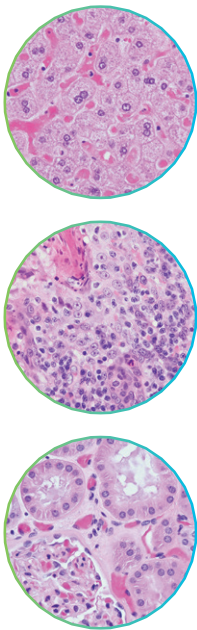


A vibrant stain system that produces
Exceptional detail every single time

VWR® GRAM STAIN SETS AND REAGENTS

Gram Stain Sets include all the necessary solutions to fully differentiate Gram positive and Gram negative specimens.

Description	Size	Cat.No.
Reagents		
Stabilized Iodine	3.8 L (1 gal.)	10143-180
Crystal Violet	3.8 L (1 gal.)	10143-260
Iodine Lugol's Working	3.8 L (1 gal.)	10143-262
Decolorizer	3.8 L (1 gal.)	10143-264
1:1 Decolorizer	3.8 L (1 gal.)	10143-602
Safranin	3.8 L (1 gal.)	10143-604
Replacement Sets		
Crystal Violet Replacement Set	4 x 237 mL (8 oz.)	10143-168
Stabilized Iodine Replacement Set	4 x 237 mL (8 oz.)	10143-170
Decolorizer Replacement Set	4 x 237 mL (8 oz.)	10143-172
1:1 Decolorizer Replacement Set	4 x 237 mL (8 oz.)	10143-174
Safranin Replacement Set	4 x 237 mL (8 oz.)	10143-176
Gram Stain Set	4 x 237 mL (8 oz.)	10143-178
Crystal Violet Replacement Set	4 x 474 mL (16 oz.)	10143-182
Decolorizer Replacement Set	4 x 474 mL (16 oz.)	10143-184
1:1 Decolorizer Replacement Set	4 x 474 mL (16 oz.)	10143-252
Safranin Replacement Set	4 x 474 mL (16 oz.)	10143-254
Stabilized Iodine Replacement Set	4 x 474 mL (16 oz.)	10143-256
Gram Stain Set	4 x 474 mL (16 oz.)	10143-258



VWR Premium Histology Stains, demonstrating exceptional contrast between cellular components.



* Some products are only available in certain regions.

VWR® HEMATOLOGY STAIN SETS AND REAGENTS

VWR® brand hematology stain offerings satisfy the needs of laboratory professionals following manual, rapid stain or automated protocols.

Single step stains are offered in Wright's and Wright Giemsa formulations and use deionized water to complete the staining process. Three step stain offering yields results comparable to Wright Giemsa stain with results available as soon as 15 seconds.

Individual stains, reagents and packs have been used in the automated market on the Hematek®, Midas®, Sysmex® and Sakura® instruments.

Ordering information: Hematology stain products are manufactured using dyes certified by the Biological Stain Commission. All products undergo Quality Control evaluation using fresh blood.

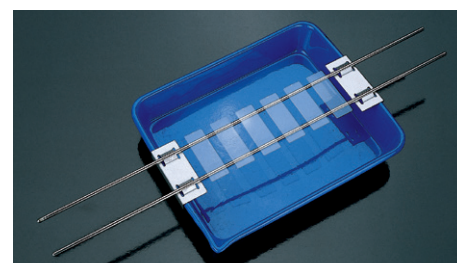
Description	Size	Cat.No.
Stain Sets		
Wright Stain Pack for Hematek Stainer	Pack	10143-062
Three-Step Set, Wright Giemsa	3 x 90 mL (3 x 3 oz.)	10143-224
Reagents		
Single-Step Wright's	474 mL (16 oz.)	10143-066
Single-Step Wright's	948 mL (32 oz.)	10143-068
Single-Step Wright Giemsa	474 mL (16 oz.)	10143-106
Single-Step Wright Giemsa	948 mL (32 oz.)	10143-116
Three-Step Solution I	3.8 L (1 gal.)	10143-236
Three-Step Solution II	474 mL (16 oz.)	10143-232
Three-Step Solution II	3.8 L (1 gal.)	10143-238
Wright Giemsa Stain	948 mL (32 oz.)	10143-160
Wright Giemsa Stain	3.8 L (1 gal.)	10143-162
Wright's Stain	948 mL (32 oz.)	10143-164
Wright's Stain	3.8 L (1 gal.)	10143-166
Hematology Buffer, pH 6.4	948 mL (32 oz.)	10143-240
Hematology Buffer, pH 6.4	3.8 L (1 gal.)	10143-242
Hematology Buffer, pH 7.2	3.8 L (1 gal.)	10143-248
Hematology Buffer, pH 7.2	948 mL (32 oz.)	10143-250



VWR® MICRO SLIDE STAINING RACK

This stainless steel staining rack is designed for use across laboratory sinks of various sizes. Triangular slide supporting rods have a tapered top and contact the slides only in a narrow zone. Rack is simply and quickly adjustable to fit sinks up to 53.4 cm (21") inside dimensions.

Description	Cat.No.
Micro Slide Staining Rack	15153-821

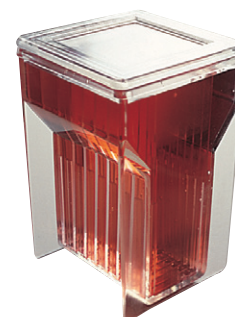


VWR® STAINING JAR WITH COVER, HELLENDHAL TYPE

This tapered jar is made of optically clear PMP (polymethylpentene). It holds standard 76x26 mm (3x1") slides vertically. Eight grooves accommodate 16 slides back to back. Supplied with PMP cover. Xylene can cause etching after two days at room temperature.

Bottom Width	5.4 cm (2 1/8")
Height	8.6 cm (3 3/8")
Top Width	5.8 cm (2 3/32")

Description	Cat.No.
Staining Jar with Cover	25460-907



* Some products are only available in certain regions.

STAINING

VWR® HISTOLOGY/CYTOLOGY STAINS

Hematoxylin and Eosin solutions are designed to provide crisp, clear staining of the nucleus and a well defined cytoplasm. Traditional and Gill Hematoxylin formulations are available in both progressive and regressive stains to satisfy the most subjective histology laboratory.

In addition to the multiple offerings of Hematoxylin, Papanicolaou stains are available in the classical EA-36, EA-50, EA-65 and OG-6 formulations. These counterstains are used in both gynecological and non-gynecological controlled cytoplasmic staining.

Ordering information: All VWR stain solutions are available in multiple sizes and are ready-to-use, requiring no dilution.



Description	Size	Cat.No.
Hematoxylin Harris Mercury Free	474 mL (16 oz.)	10143-606
Hematoxylin Harris Mercury Free	3.8 L (1 gal.)	10143-608
Hematoxylin Harris Mercury Free Acidified	474 mL (16 oz.)	10143-610
Hematoxylin Harris Mercury Free Acidified	3.8 L (1 gal.)	10143-612
Eosin Y 1% Alcoholic	948 mL (32 oz.)	10143-130
Eosin Y 1% Alcoholic	3.8 L (1 gal.)	10143-132
Eosin Y Intensified	948 mL (32 oz.)	10143-134
Eosin Y Intensified	3.8 L (1 gal.)	10143-136
Eosin Phloxine	948 mL (32 oz.)	10143-138
Eosin Phloxine	3.8 L (1 gal.)	10143-140
Hematoxylin Gill 1X	474 mL (16 oz.)	10143-142
Hematoxylin Gill 1X	3.8 L (1 gal.)	10143-144
Hematoxylin Gill 2X	474 mL (16 oz.)	10143-146
Hematoxylin Gill 2X	3.8 L (1 gal.)	10143-148
Hematoxylin Gill 3X	474 mL (16 oz.)	10143-150
Hematoxylin Gill 3X	3.8 L (1 gal.)	10143-152
Papanicolaou Stain EA-36	3.8 L (1 gal.)	10143-156
Papanicolaou Stain EA-50	948 mL (32 oz.)	10143-158
Papanicolaou Stain EA-50	3.8 L (1 gal.)	10143-186
Papanicolaou Stain EA-65	948 mL (32 oz.)	10143-188
Papanicolaou Stain EA-65	3.8 L (1 gal.)	10143-190
Papanicolaou Stain EASY PAP	948 mL (32 oz.)	10143-192
Papanicolaou Stain EASY PAP	3.8 L (1 gal.)	10143-614
Papanicolaou Stain OG-6	948 mL (32 oz.)	10143-616
Papanicolaou Stain OG-6	3.8 L (1 gal.)	10143-618

VWR® ABSORBENT PADS

- Strong, highly absorbent, and lint-free
- Efficient alternative to paper towels and gauze

Designed to soak up liquids, oils and common solvents, absorbent pads provide an excellent alternative to paper towels and gauze. Pads exhibit a cloth-like softness with no loose threads or fibers, making them ideal for use in coverslipping, slide preparation and general laboratory cleanup. Available in two sizes, with the larger format individually folded for convenience.

W x L	Cat.No.
30.5 x 30.5 cm (12 x 12")	95057-860
15.2 x 15.2 cm (6 x 6")	95057-862



**Electron
Microscopy
Sciences**

H AND E SLIDE STAINER, ELECTRON MICROSCOPY SCIENCES

The new EMS slide stainer offers the end user the ability to have a stainer with 30 stations and a continuous load option with multiple protocols. This state-of-the-art stainer, which is only 32" long, has a built-in fume extraction, as well as the ability to connect to a lab fume hood.

Description	Electrical	Cat.No.
H And E Slide Stainer	115 V or 230 V	102091-086



* Some products are only available in certain regions.



STAINTRAY™ SLIDE STAINING SYSTEM, SIMPORT SCIENTIFIC

The StainTray™ slide staining system is a lightweight, user-friendly device designed to suit a wide variety of laboratory applications. It is versatile enough to accommodate routine staining requiring a humidity chamber, as well as hematology, cytology and microbiology applications.

The system has a black base constructed of durable ABS plastic. Four rubber feet ensure base stability and allow for stackable, space-saving storage. The staining chamber will accept 10 or 20 slides on four plastic rails covered with a polymer strip. The slides are securely fitted and held intact even if the tray is handled at an angle. The chamber's contents are thoroughly secure, and manipulation is easily conducted with one hand.

When humidity is needed, wells between rails will hold water securely without splashing. Rails are raised to prevent water from coming into contact with slides and to ensure that slides are easily retrievable. The base will also hold excess stain solution dripping from the slides. A drain plug can be removed to facilitate emptying of StainTray™ system.

Two covers are available for use with the system. The clear lid allows for visual examination. Clear lids are made of PETG and can be used within a temperature range of -20 to 60 °C (-4 to 140 °F). The black lid is designed for use in fluorescent work. Black lids are made of ABS plastic and can be used within a temperature range of -80 to 80 °C (-112 to 176 °F).



Description	Cat.No.
StainTray™ Systems for 20 Slides with Base with Clear Cover	87000-134
StainTray™ Systems for 20 Slides with Base with Black Cover	87000-136
StainTray™ Systems for 10 Slides with Base with Clear Cover	97000-382
StainTray™ Systems for 10 Slides with Base with Black Cover	97000-384

Accessories	
Description	Cat.No.
Replacement Clear Cover for 20-Slide Base	87000-138
Replacement Black Cover for 20-Slide Base	87000-140
Replacement Clear Cover for 10-Slide Base	97000-386
Replacement Black Cover for 10-Slide Base	97000-388

EASYDIP™ SLIDE STAINING SYSTEM, SIMPORT SCIENTIFIC

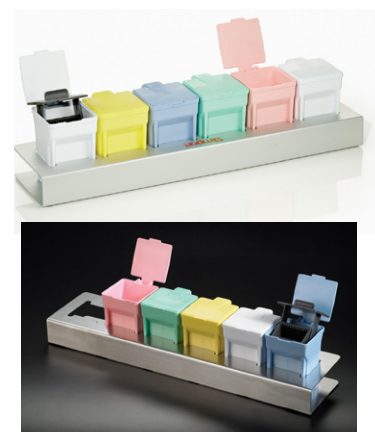
The EasyDip™ slide staining system consists of a square staining jar and a 12-position vertical slide rack. Ideal for special stains, frozen sections and microwave oven processes, the system is easy to clean and autoclavable. The slide staining jars have a wide, stable base for greater stability while the recessed interior allows for a smaller reagent volume of 80 mL. Jars are constructed of break-resistant acetal polymer and are resistant to most staining agents, including alcohol and xylene, but not phenol.

Jars can be loosely joined to each other laterally to maintain order in the laboratory. Additionally, jars are available in five different colors to assist in identifying contents or applications.

The slide staining rack holds up to 12 microscope slides of varying dimensions. Slides fit into individual slots for free passage and rapid drainage of staining fluids. Due to their vertical insertion within the rack, the slides' writing area will not be stained by the fluid, allowing the slides to be removed without the use of forceps.

The staining rack is also constructed of acetal polymer and is specially formulated for rapid drying in a microwave oven, or at temperatures up to 120 °C (248 °F). The lid completely covers the EasyDip™ slide staining jar to minimize spills or evaporation. A handle is permanently attached to the rack for easy insertion and removal.

Ordering information: The staining jars and staining rack are sold separately, except for the Assorted Kit which contains one jar of each color (blue, green, pink, white and yellow) and a rack. In addition, the EasyDip Aluminum Holder is designed to hold six EasyDip slide staining jars. Measures 425 x 102 x 38 mm (16-3/4 x 4 x 1-1/2"). For convenience, we offer the EasyDip Kit with Rack.



Description	Color	Cat.No.
EasyDip™ Slide Staining Jars	Blue	87000-120
EasyDip™ Slide Staining Jars	Green	87000-122
EasyDip™ Slide Staining Jars	Pink	87000-124
EasyDip™ Slide Staining Jars	White	87000-126
EasyDip™ Slide Staining Jars	Yellow	87000-128
EasyDip™ Slide Staining Jars	Assorted	87000-130
EasyDip™ Slide Staining Rack	Dark Gray	87000-132
EasyDip™ Kit with Rack	Assorted	10154-052
EasyDip™ Aluminum 6-Place Holder	Aluminum	490010-317

* Some products are only available in certain regions.

STAINING



SP BEL-ART COPLIN STAINING JAR, BEL-ART PRODUCTS, A PART OF SP

This polypropylene staining jar improves on the classic tapered square design with a larger opening for easier placement and removal of slides.

- Polypropylene construction
- Larger opening than classic tapered square jars
- Easy to place and remove slides
- Autoclavable

The polypropylene screw cap is 53 mm in diameter. It has a flat top, easy-grip large knurled edge, deep thread and a seal ring to prevent leaks. Five internal slots hold up to 10 standard 25x75 mm or 1x3" slides back to back. Jar is steam-autoclavable at 121 °C (250 °F). Remove cap when autoclaving.



Description	Cat.No.
5,9 Dia. x 11,4 H cm (2 3/16 x 4 1/2")	47751-792



SLIDE STAINING TRAY KIT, MORTECH®

The Slide Staining Tray Kit can be used in various laboratory applications, including microbiology, gram staining in histology and special staining in hematology.

- Stainless steel construction
- Kit includes base, feet, rack, tray, tubing, and clamp
- Collection bottle sold separately

Ordering information: Kit includes base with attached leveling indicator, four leveling feet, removable rack, removable tray, 4' tubing and clamp.

Delivery information: The collection bottle is not included in Slide Staining Tray Kit and must be purchased separately.



Description	Dimensions	Cat.No.
Staining dish kit (base, feet, rack, tray, tubing, clamp)	21x6.5x8"	76498-576



FIXATIVE RAPID DIFFERENTIAL STAIN HEMA-DIFF™, STATLAB

The original StatLab best-selling rapid stain for the past 40 years. Three-step procedure for differential staining of blood smears, used extensively in FNA cytology.

- Entire procedure takes 30 seconds as air dried specimens are fixed in Solution I, then dipped in Solutions II and III
- Excellent for FNA cytology, differential staining of blood smears, microbiological organisms, H. pylori, and bone marrow specimens
- Versatile and very economical
- Components sold separately or as a kit
- Can also be used as a special stain for Helicobacter pylori. 16 oz Hema-Diff #1 Fixative

Part of the StatLab Hema-Diff Rapid Differential Stain Line.

Manufactured in the USA.



Description	Size	Cat. No.
#1 Fixative Rapid Differential Stain Hema-Diff™	16 oz	76547-990

HEMA-DIFF™ #2 XANTHENE RAPID DIFFERENTIAL STAIN, STATLAB

The original StatLab best-selling rapid stain for the past 40 years. Three-step procedure for differential staining of blood smears, used extensively in FNA cytology.

- Entire procedure takes 30 seconds as air dried specimens are fixed in Solution I, then dipped in Solutions II and III
- Excellent for FNA cytology, differential staining of blood smears, microbiological organisms, *H. pylori*, and bone marrow specimens
- Versatile and very economical
- Components sold separately or as a kit
- Can also be used as a special stain for *Helicobacter pylori*. 16 oz Hema-Diff #2 Xanthene

Part of the StatLab Hema-Diff Rapid Differential Stain Line.

Manufactured in the USA.

Size	Cat. No.
16 oz	76547-982

**HEMA-DIFF™ #3 THIAZINE RAPID DIFFERENTIAL STAIN, STATLAB**

The original StatLab best-selling rapid stain for the past 40 years. Three-step procedure for differential staining of blood smears, used extensively in FNA cytology.

- Entire procedure takes 30 seconds as air dried specimens are fixed in Solution I, then dipped in Solutions II and III
- Excellent for FNA cytology, differential staining of blood smears, microbiological organisms, *H. pylori*, and bone marrow specimens
- Versatile and very economical
- Components sold separately or as a kit
- Can also be used as a special stain for *Helicobacter pylori*. 16 oz Hema-Diff #3 Thiazine Fixative

Part of the StatLab Hema-Diff Rapid Differential Stain Line.

Manufactured in the USA.

Size	Cat. No.
16 oz	76547-986

**PAPANICOLAOU'S SOLUTION EA 65 STAIN FOR CYTOLOGY, STATLAB**

Alcohol-based, for routine cytoplasmic staining.

Part of the StatLab family of Cytology stains.

Manufactured in the USA.

Size	Cat. No.
500 ml	76548-226

**PAPANICOLAOU'S SOLUTION EA 50 STAIN FOR CYTOLOGY, STATLAB**

Classic formula for routine cytoplasmic staining of gynecological and non-gynecological specimens.

Part of the StatLab family of Cytology stains.

Manufactured in the USA.

Size	Cat. No.
500 ml	76548-266



* Some products are only available in certain regions.

STAINING

PAPANICOLAOU'S ORANGE G SOLUTION (OG 6) STAIN FOR CYTOLOGY, STATLAB

A modified formulation used in combination with the EA series to stain keratinized cells in all gynecological and non-gynecological specimens.

- This formulation eliminates common chemical precipitation associated with traditional OG products.

Part of the StatLab family of Cytology stains.

Manufactured in the USA.

Size	Cat. No.
1 pint	76548-270



HEMATOXYLIN GILL 1, CLASSIC, STATLAB

Low dye concentration for cytology.

- Used progressively, this formulation optimally stains both gynecological and non-gynecological specimens
- Produces exceptional nuclear clarity

Part of the StatLab Classic stain line.

Manufactured in USA.

Size	Cat. No.
1 pint	76548-288



HEMATOXYLIN GILL 2, CLASSIC, STATLAB

Medium dye concentration for histology or intense cytology staining.

- Produces a darker nuclei, or used when shorter staining times are needed
- Nuclear detail is very distinct and has great clarity

Part of the StatLab Classic stain line.

Manufactured in USA.

Size	Cat. No.
1 pint	76548-286



HEMATOXYLIN GILL 3, CLASSIC, STATLAB

High dye concentration for frozen or intense histology staining.

- Recommended for most routine histology and frozen sections
- Produces a dark and rapid nuclear stain

Part of the StatLab Classic stain line.

Manufactured in USA.

Size	Cat. No.
1 pint	76548-280



HEMATOXYLIN HARRIS, CLASSIC, STATLAB

Modified traditional formulation.

- Contains no mercury
- Generally used as a regressive stain, but may also be used in progressive staining protocols
- Produces rapid and distinct nuclear detail

Part of the StatLab Classic stain line.

Manufactured in USA.



Size	Cat. No.
1 pint	76548-262

TREOSIN™, STATLAB

Slightly acidified combination of Eosin-Y with Orange-G and Acid Fuchsin.

- Suitable as replacement for routine eosin
- Distinct shades of eosin easily obtained from bright red-orange (red blood cell's and fibrin deposits) to bright red (collagen fibers and skeletal muscle) to red-pink (smooth muscle)
- In many cases Treosin™ could eliminate the need for trichrome staining
- Excellent for frozen sections

Part of the StatLab Classic stain line.

Manufactured in USA.



Size	Cat. No.
1 pint	76548-272

BLUING REAGENT VINTAGE, STATLAB

A buffered alkaline rinse with a mild pH (8.0).

- Ensures optimal staining and proper cellular contrast
- Premixed and ready-to-use.

Part of the StatLab Vintage stain line.

Manufactured in USA.



Size	Cat. No.
1 gallon	76548-210

HIGH-DEF® ACID RINSE, 3.5% SOLUTION, STATLAB

For both Vintage and Reserve stain line use. A glacial acid-based formulation. Provides unparalleled crisp nuclear chromatin detail and eliminates any undesired background staining when used with Reserve and Vintage Hematoxylin. Premixed, safe, and ready-to-use. High-Def® is also available in a low-concentration formulation for laboratories equipped with linear stainers.

Available in 1% and 3.5% Solutions.



Size	Cat. No.
1 gallon	76548-212

STAINING

HEMATOXYLIN, VINTAGE, STATLAB

Uniquely formulated hematoxylin stain to be used in place of Gill hematoxylin.

- No daily filtering required
- Rapidly provides unsurpassed nuclear chromatin delineation with no affinity for background staining
- May be used for both histology and cytology applications and is also recommended for frozen section staining

Part of the StatLab Vintage stain line.

Manufactured in USA.



Size	Cat. No.
500 ml	76548-206

EOSIN Y, VINTAGE, STATLAB

Proprietary, alcoholic and acidified formulation

Produces a brilliant cytoplasmic stain with three distinct color variations in a short amount of staining time

- Yields a very familiar cytoplasmic staining result

Part of the StatLab Vintage stain line.

Manufactured in USA.



Size	Cat. No.
1 gallon	76548-208



COPLIN STAINING JARS WITH SCREW CAP, WHEATON, DWK LIFE SCIENCES

Heavy, clear soda-lime glass jars have a standard screw threaded neck and a linerless white polypropylene cap that reduces solvent evaporation and spills during storage. Wide, flat, rectangular base facilitates manipulation of sections attached to slides. Screw cap permits sealing jar for preservation and minimum loss through evaporation. The smaller jar holds ten 75x25 mm (3x1") slides, which extend above the opening, allowing for manipulation without forceps. The larger jar holds five 75x25 mm (3x1") slides vertically or 10 slides back to back.

Capacity	Dimensions	Cat.No.	Accessories	
55 mL (1.9 oz.)	26 L x 26 W x 70 D mm (1 x 1 x 2 3/4")	25456-965	Description	Cat.No.
60 mL (2 oz.)	26 L x 26 W x 90 D mm (1 x 1 x 3 1/2")	25457-006	Replacement Caps	14231-316



COPLIN STAINING JARS, UNITED SCIENTIFIC SUPPLIES

Coplin jar with screw-on top prevents spills.

- Quality slide-making supplies
- Slide-staining tools

The screw-on cover prevents evaporation and contamination when staining. Each jar holds five single slides or ten back to back.

Description	Capacity	Cat.No.
Coplin Staining Jar, Glass	Up to 10 Slides	470175-194





MIDAS® III AUTOMATED STAINER, MILLIPORESIGMA

Compact, microprocessor-controlled unit stains up to 20 slides or coverslips.

- Input up to nine user-programmable procedures of 29 steps each
- Each step may be timed from 1 second to 99 minutes, 59 seconds
- Optional circulating water bath 25445-014 provides clean rinse water

Unit contains 4 staining/reagent stations, one running water rinse station programmed to maintain 300 mL increments, allowing for precision rinsing, and one forced-air drying station. Rinse and drying stations easily convert for staining, permitting a maximum of six staining/reagent stations.

Ordering information: Stainer features a one-year manufacturer's unconditional warranty. Supplied with a 20-position slide carrier, eight staining vessels with lids and an operator's manual. Manual staining rack system EM-64000R-94 is supplied with a 10-position rack, 10 plastic vessels and one slide carrier.



Description	Cat.No.
Midas® III Stainer	15204-300

Overall Dimensions	53L x 45W x 38H cm (21 x 18 x 15")
Electrical	120/230 V, 50/60 Hz, 5 A
Unit Weight	13 kg (28 lbs.)
Shipping Weight	27 kg (60 lbs.)



TISSUE-TEK® PRISMA® PLUS AUTOMATED SLIDE STAINER, SAKURA® FINETEK

High-throughput slide stainer, capable of processing up to 530 slides per hour. Continuous loading of slides, with intuitive software to run multiple staining protocols simultaneously.

- Capable of up to 50 user-defined staining protocols
- Capable of prioritizing stat run over standard
- Color touch-screen with choice of 50 colors for screen stain assignments
- Barcode reader to track reagent usage and alerts for expired reagent
- iSupport service link monitors service issues

Standard solution configuration means 30 reagent positions and 60 slides per run or expanded configuration is 52 positions and 20 slides per run.

Connect the Prisma® Plus with the Tissue-Tek® Film® or G2 coverslipppers for a fully automated, integrated, walkaway staining process from slide baking to slide drying.

Certifications: IEC 61010-1 2nd ed., CAN/CSA C22.2 No. 61010-1, UL 61010-1.

Delivery information: Includes operating manual, twenty-two 820 mL solution reservoirs, ten 20-slide baskets and handles, four wash reservoirs, two fume filters, compact flash card and reagent lids.



Description	Electrical	Dimensions	Application	Cat.No.
Sakura Prisma® Plus Automated Slide Stainer	115 V AC, 50/60 Hz, 9 A	49.2W×28D×25H"	Haematoxylin and Eosin, Papanicolaou (PAP), Non-GYN	76176-846

ACCESSORIES FOR TISSUE-TEK® PRISMA® AND PRISMA® PLUS AUTOMATED SLIDE STAINERS, SAKURA® FINETEK

Description	For use with	Cat. No.
Prisma® 20-slide basket	Tissue-Tek® Prisma®, Prisma® Plus, Film® and G2 Coverslipppers	25608-720



STAINING

HISTOTEK SL AUTOMATED SLIDE STAINER, SAKURA® FINETEK

Stains up to 100 slides per hour with 22 reagent reservoirs and 2 water stations.

Holds up to 15 programs with up to 35 steps in each program.

Bidirectional robotic arm allows for progressive and regressive staining protocols.

Ordering information: Warranty is one year, parts and labor.

Description	Electrical	Cat.No.
Automated Slide Stainer	115 V, 50/60 Hz, 1 Amp	10062-858



SMARTWRITE SLIDE PRINTER, SAKURA® FINETEK

Microscope slide printer with thermal transfer print technology, with multiple color or black ribbons

Prints directly on white 3" x 1" standard or positive-charged slides with smooth-surfaced white-frosted end and clipped corners.

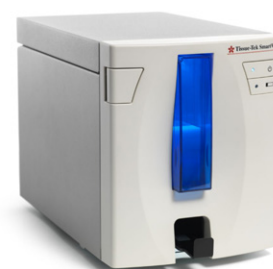
SmartWrite Software (9025), PC with touch screen (9026) and 2-D barcode scanner (9024) are all sold separately.

Data interface USB 2.0. Slide cartridge capacity 100 slides with slide output tray capacity 15 slides. Print resolution 300 dpi. Printer drivers are Windows XP & Windows 7 compatible. Print speed up to 9 slides/minute using black; up to 5 slides/minute using solid colors; up to 4 slides/minute using blended colors.

Scannable 2D and 1D barcode, alphanumeric and graphic printing capabilities.

Ordering information: Warranty is one year, parts and labor.

Description	Electrical	Cat.No.
Slide Printer	110 V, 50/60 Hz	10062-828



ACCESSORIES FOR SMARTWRITE SLIDE PRINTER, SAKURA® FINETEK

Description	For use with	Cat.No.
SmartWrite Black Printer Ribbon; Chemical-Resistant	SmartWrite Printers	10062-850





GEMINI™ AS AUTOMATED SLIDE STAINER, EPREDIA™

Improve throughput with the popular Gemini™ AS Automated Slide Stainer, the ultimate multitasking stainer with a footprint small enough to place exactly where it is needed for optimal laboratory workflow.

- Two-tier design occupies minimal bench space
- Integrated color touch-screen with intuitive software offers quick learning and simple operation
- Scheduler software allows multiple protocols and slide racks to be run simultaneously at optimal speed
- System is pre-programmed with optimized protocols for EpreDia™ Signature Series™ Stains
- Fully editable protocols and stain sets provide flexibility in programming
- 26 or 31 reagent stations accommodate multiple protocols without changing reagents
- One-touch on-screen view of reagent status provides simple reagent monitoring
- Download protocols and log files via USB connectivity
- Load-on-demand flexibility with STAT capability
- Units available with or without five independently heated stations
- Six running water stations
- Four configurable doors for convenient loading and unloading
- Fume control easily managed with carbon filters or vent adapter kit
- Internal flow regulators and anti-siphon devices to protect water supply
- Lockable baskets to ensure secure slides, even upside down
- Auto-return recalls any loaded basket to the load door
- Passcode protection to secure customized protocols
- Warranty: 1 year from date of installation



The Gemini AS has a clear and easy-to-use graphical interface.

With integrated monitor and power supply, the Gemini AS will fit where others cannot to achieve the ultimate in lean workflow sequencing. With six running water stations and 26 reagent stations, it can run multiple protocols, processing up to twelve slide racks simultaneously. Built-in safety features include battery back-up with 40 minutes of continual staining power to protect valuable samples, and fume control to protect users. Internal LED lighting provides better visibility of the staining area for trouble-free reagent replacement.

Current position and estimated end time are available at a glance for all in-process racks. With one touch, the usage and status of any reagent can be instantly verified. Intelligent Optimization means control software that automatically arranges reagent positions to maximize speed and reagent lifetime. Duplicate reagents are assigned automatically according to expected usage, minimizing the down time typically required to replace reagents.

Certifications: Designed to meet IEC61010. CSA approved. UL listed. CE marked (IVDD compliant).

Ordering information: Available with or without five independently heated positions for drying slides. Each slide stainer includes charcoal filter, staining basket and carrier (two packs of five each), three-well water station (two fitted), pack of six single pot covers, pack of four multi-pot covers, 2.5m (8') long water inlet hose, cytology stainer (without heat), 35 stain pots supplied and fitted, histology stainer (with heat), 30 stain pots supplied and fitted, pack of three spare staining pots, operator manual (specify language) and service record book.

Description	Electrical	Dimensions	Cat.No.
Gemini AS Slide Stainer, with 5 Heated Stations	100–240 V, 50/60 Hz, 300 A	790D x 720W x 893H mm (31 x 28 x 35")	89499-270
Gemini AS Slide Stainer, Unheated	100–240 V, 50/60 Hz, 300 A	790D x 720W x 893H mm (31 x 28 x 35")	89499-272

LINISTAT™ SLIDE STAINER, EPREDIA™

Random Access Slide Stainer, which contains 14 staining stations, 14 staining dishes (single/double), 25 slide clips and rinse water tubing kit.

- Staining time is under 5 minutes
- 60 Hz, maximum 2.0 A



Description	Electrical	Dimensions	Cat.No.
Random Access Slide Stainer	110 - 120 V	63.5W x 15.24D x 45.72H cm (25 x 6 x 18 ")	52428-630

HEMATOXYLIN 7211, SIGNATURE SERIES™, EPREDIA™

EpreDia™ Hematoxylin 7211 is a rapid progressive hematoxylin that has gained a wide market share and notoriety in the Histology and Cytology fields.



Size	Cat. No.
473 ml (16 oz.)	41810-472

* Some products are only available in certain regions.

STAINING

EOSIN Y (YELLOWISH), SIGNATURE SERIES™, EPREDIA™

Create an ideal visual contrast to Hematoxylin with the fast-acting Epredia™ Signature Series™ Eosin-Y counterstain. Offers excellent delineation of cytoplasmic components.

Size	Cat. No.
473 mL (16 oz.)	41810-450



PRINTMATE™ AS CASSETTE PRINTER, EPREDIA™

Eliminate waste and streamline your labeling process by printing cassettes on-demand at the grossing station with the Epredia™ PrintMate™ AS Cassette Printer.

- Prints each cassette in 10 seconds or less
- Print only the cassettes you need, right at the point of use
- Print barcodes to automate downstream processes
- Eliminate manual handwriting processes

Small footprint allows the printer to fit easily next to the grossing station.

Ordering information: PrintMate™ AS USB cable, Power cable 2, 6 or 12 cassette hoppers, one roll of tape (installed), Epredia™ LabWriter; software, CD, operator guide. Complete cassette printing systems also include all-in-one PC and digital imager.



Description	Capacity	Cat.No.
PrintMate™ AS 450 Cassette Printer	450 Cassettes	10796-668
PrintMate™ AS 450 Cassette Printing System	450 Cassettes	10796-696

Electrical	100–240 VAC, 50/60 Hz, 150 VA (512 BTU/h)
Width	17"
Depth	15"
Height	11.4"
Weight	14 kg (31 lbs.), without cassette tubes



CONTROL SLIDES, AZER SCIENTIFIC

Control slides are designed for use in monitoring stain performance in the pathology lab. All slides feature a permanent positive charge that securely anchors all types of sections, improving the quality of preparations and readability.

Description	L x W	Cat.No.
Fungi-GMS	75 x 25 mm	95042-302
Fungi-PAS	75 x 25 mm	95042-300
Iron	75 x 25 mm	95042-310



HARETA REPLACEMENT SLIDE HOT FOIL TAPE, SPRINGSIDE SCIENTIFIC

This tape is used for automated slide printing and designed for use on Epredia printers to replace the expensive tape currently offered by the OEM.

Prints up to 12,000 slides per roll. Will not fade, even in the harshest processing environments, including alcohols and xylene. A direct replacement for the original OEM tape.

Ordering information: Each roll is 25 mm x 300 m in length and is a long-lasting, standard-sized 984' roll.

Description	Packaging	Cat.No.
25 mm x 300 m	Round Metal Box	10756-188



* Some products are only available in certain regions.

7

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Cover- slipping

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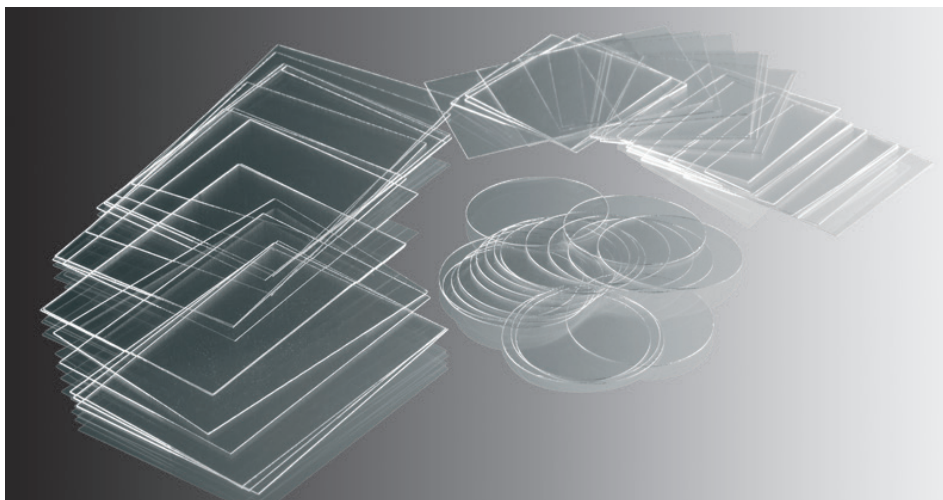
COVERSLIPPING



VWR® VISTAVISION™ COVER GLASSES, NO. 1

Microscope cover glasses are made of pure white borosilicate glass with excellent chemical resistance and flatness and are free of bubbles and scratches. Under ultraviolet light, they emit no disturbing self-fluorescence. Suitable for use in coverslippers. Manufactured in accordance with DIN ISO 8255-1.

Ordering information: Circular and square cover glasses are supplied 100 per two-part box; rectangular cover glasses are supplied 100 per hinged boxes.



Refractive Index	1.525±0.0015 ne
Thickness	0.13–0.16 mm

Diameter	L x W	Cat.No.
Circular		
18 mm		16004-300
22 mm		16004-338
25 mm		16004-310
Square		
	18 x 18 mm	16004-308
	22 x 22 mm	16004-094
	25 x 25 mm	16004-328
Rectangular		
	22 x 30 mm	16004-332
	22 x 40 mm	16004-318
	22 x 50 mm	16004-314
	22 x 60 mm	16004-330
	24 x 30 mm	16004-346
	24 x 40 mm	16004-306
	24 x 50 mm	16004-098
	24 x 60 mm	16004-096

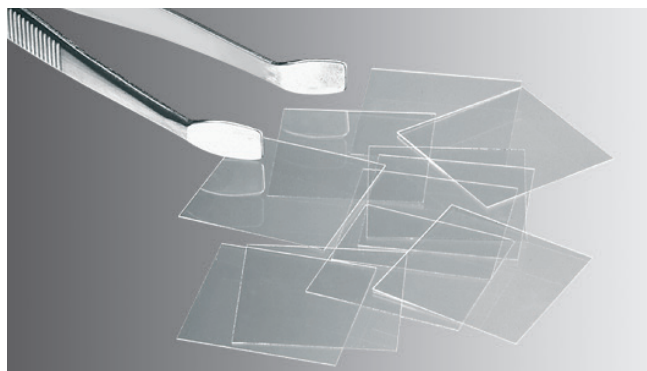
VWR® VISTAVISION™ COVER GLASSES, NO. 1 1/2

Microscope cover glasses are made of pure white borosilicate glass with excellent chemical resistance and flatness and are free of bubbles and scratches. Under ultraviolet light, they emit no disturbing self-fluorescence. Suitable for use in coverslippers. Manufactured in accordance with DIN ISO 8255-1.

Ordering information: Square and rectangular cover glasses are supplied 1 oz. per two-part box; rectangular cover glasses are supplied 1 oz. per hinged boxes.

Refractive Index	1.525±0.0015 ne
Thickness	0.16–0.19 mm

L x W	Cat.No.
Square	
18 x 18 mm	16004-326
22 x 22 mm	16004-302
Rectangular	
22 x 30 mm	16004-344
22 x 40 mm	16004-348
22 x 50 mm	16004-336
22 x 60 mm	16004-350
24 x 40 mm	16004-340
24 x 50 mm	16004-322
24 x 60 mm	16004-312



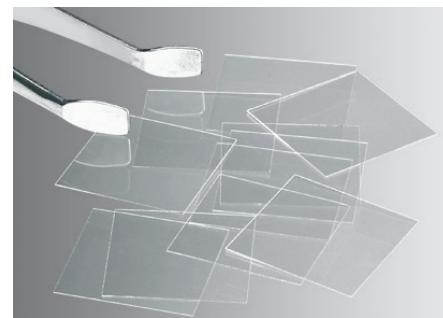
VWR® VISTAVISION™ COVER GLASSES, NO. 2

Microscope cover glasses are made of pure white borosilicate glass with excellent chemical resistance and flatness and are free of bubbles and scratches. Under ultraviolet light, they emit no disturbing self-fluorescence. Suitable for use in coverslippers. Manufactured in accordance with DIN ISO 8255-1.

Ordering information: Square and circular cover glasses are supplied 1 oz. per two-part box.

Refractive Index	1.525±0.0015 ne
Thickness	0.19–0.23 mm

Diameter	L x W	Cat.No.
Circular		
18 mm ($\frac{23}{32}$ "		16004-324
22 mm ($\frac{7}{8}$ "		16004-342
25 mm (1"		16004-320
Square		
	18 x 18 mm ($\frac{23}{32}$ x $\frac{23}{32}$ "	16004-316
	22 x 22 mm ($\frac{7}{8}$ x $\frac{7}{8}$ "	16004-304
	25 x 25 mm (1 x 1"	16004-334

**VWR® MICRO COVER GLASSES, RECTANGULAR**

These micro cover glasses are made from the best-quality glass. Each set of numbered slides is uniform in size and thickness. The No. 1 slides are 0.13 to 0.17 mm in thickness. The No. 1 1/2 slides are 0.16 to 0.19 mm in thickness. The No. 2 slides are 2.0 mm in thickness.

Ordering information: Slides are packed 1 oz. per box.

L x W	Cat.No.
No. 1 Slides	
24 x 40 mm	48393-060
24 x 50 mm	48393-081
24 x 60 mm	48393-106

**VWR® MICRO COVER GLASSES, SQUARE, NO. 1**

VWR® Micro Cover Glasses are square, corrosion-resistant and uniformly thick and flat.

No. 1 thickness is 0.13 to 0.17 mm.

Ordering information: Packaged 1 oz. per plastic box.

L x W	Cat.No.
18 x 18 mm	48393-060
22 x 22 mm	48393-081
18 x 18 mm	48366-205
22 x 22 mm	48366-227
25 x 25 mm	48366-249



COVERSLIPPING

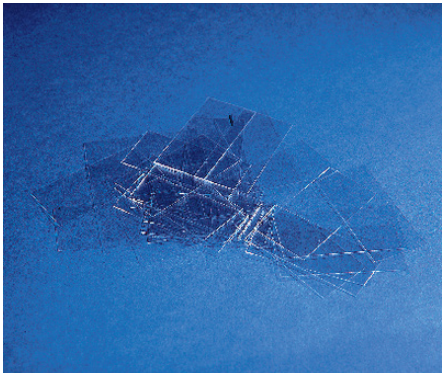
VWR® SUPERSLIPS™ MICRO COVER GLASSES, RECTANGULAR, NO 1

These cover glasses are corrosion-resistant and uniformly thin and flat.

- Uniformly thin and flat
- Suitable for humid environments
- Resistant to corrosion

The processing techniques result in superior cleanliness. Superslip coverslips combine specialized production methods with moisture-resistant packaging to prevent sticking. Suitable for applications in humid environments. Thickness: 0.13 to 0.17 mm. Supplied in 1 oz. increments.

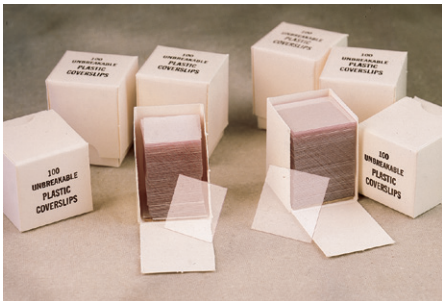
Description	L x W	Cat.No.
Cover glasses, rectangular	50x24 mm	48404-453
Micro cover glasses, rectangular	60x24 mm	48404-455
Micro cover glasses, rectangular	40x24 mm	48404-457



VWR® MICRO SLIDES AND COVERSLIPS, PLASTIC

Efficient, disposable slides are manufactured from optically clear vinyl. Slides will not break, scratch, or cut fingers. Ideal for wet mounts. Micro coverslips are unbreakable and non-curling.

Description	Thickness	Cat.No.
Slides		
75 x 25 mm	0.45–0.56 mm	82027-788
Coverslips		
18 x 18 mm	0.25 mm	48376-027
22 x 22 mm	0.25 mm	48376-049



VWR® COMPOUND TRINOCULAR MICROSCOPE

The VWR® Compound Trinocular Microscope, equipped with Planachromatic Objectives, is ideal for laboratory, routine and research work. The series offers an ergonomic, anti-fatigue design to enable long hours of comfortable observation.

This VWR® Compound Microscope features a Trinocular Siedentopf-type head with a 30° inclination and 360° rotating capabilities. Standard features include widefield eyepieces WF10X / 20mm, reversed quintuple nosepiece, plan objectives PL 4X, 10X, 40X S, 100X S-Oil, coaXial coarse and fine focusing adjustment, built-in low-position coaXial mechanical stage, centerable and focusable 1.25 N.A Abbe condenser, iris diaphragm with filter holder, Koehler illumination halogen 12V / 20W with intensity control, main supply 110V UL approved.

C-UL, UL listed. CSA certified.

Ordering information: Microscope is supplied with all accessories listed above. The microscope is also supplied with a one-year warranty on electrical parts and a five-year warranty on mechanical parts and optics.

Description	Cat.No.
VWR® Compound Trinocular Microscope	89404-468



VWR® LENS CLEANING TISSUES

- High wet strength

Clean safety glasses and goggles, microscope lenses and more with no scratching. Dust-free lens tissues are ideal for use with liquid cleaners.

Dimensions	Packaging	Cat.No.
10.1 x 15.2 cm (4 x 6")	50 Sheets/Book, 12 Books/Pack	52846-001
15.2 x 20.3 cm (6 x 8")	50 Sheets/Book, 12 Books/Pack	52845-009
20.3 x 30.5 cm (8 x 12")	100 Sheets/Book, 12 Books/Pack	52846-007



* Some products are only available in certain regions.

CITIFLUOR™ ANTIFADENT MOUNTANT SOLUTIONS, ELECTRON MICROSCOPY SCIENCES

Citifluor™ mountant media containing antifadents solutions reduce the photo-bleaching or fading of the fluorescence of dyes used for labeling biological species.

- For labeling biological species
- None of the antifadents is based on p-phenylenediamine
- All solutions may be stored at room temperature

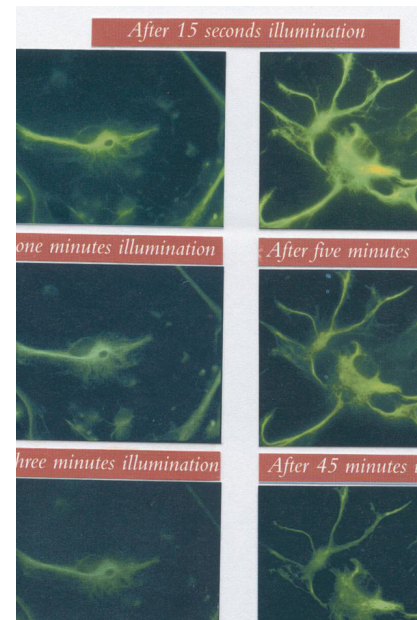
Glycerol-based non-hardening mountants: AF1 A glycerol-PBS solution contains an amine antifadent. AF1 plus DAPI contains both an amine antifadent and the DNA stain DAPI. AF2 A glycerol solution contains an amine antifadent that allows you to choose your own buffer solution. AF4 A glycerol solution of n-propyl gallate. **Glycerol-free formulations.** AF3 is a PBS solution containing an amine-based antifadent. CFPVOH is an aqueous solution of poly (vinyl alcohol). Provided care is taken not to allow the water to evaporate; it will remain fluid. Retardation of photo-bleaching is affected by the addition of the aqueous antifadent solution AF100. AF100 is a PBS solution of an amine-based antifadent that is used as an additive to CFPVOH (1-part AF100 to 9 parts CFPVOH). Provided care is taken not to allow the water to evaporate; it will remain fluid. AFR3 is a PBS solution containing a NEW non-amine, non-phenolic antifadent.

High refractive index glycerol-based solutions: These solutions have a refractive index that matches that of the glass of the coverslip, thereby minimizing the effects of spherical aberration. Such mountants are invaluable for imaging the internal structures of samples by techniques such as single multi-photon confocal. There are four high refractive glycerol-based solutions. CFM-1 is a glycerol-PBS buffered solution having a refractive index of ~1.52, which can be used for transmission microscopy as well as with epifluorescence microscopy. CFM-1 plus AF is a glycerol-based solution having a refractive index of ~1.52 (at room temperature) that contains an amine antifadent. CFM-2 is a glycerol-tris amine buffered solution having a refractive index of ~1.52 (at room temperature) and a pH of ~8.5. CFM-3 is a glycerol-based antifadent contains a phenolic antifadent of neutral pH and a refractive index of ~1.52, which also acts as a clearing solution, enabling visualization of fluorochromes deep within the sample. CFMR2 was designed for use with samples labeled with GFP. It contains a unique antifadent that does not deoxygenate the solution, which is an essential property if the GFP is not to bleach. **High refractive index glycerol-free solutions:** AF87 is an immersion oil having a refractive index of 1.52 and contains an antifadent. It may be used as an immersion oil and as a mountant. Since AF87 is an oil that is immiscible with water, it is essential that specimens are dehydrated before application of the mountant.

Hardening mountants are aqueous solutions containing a polymer such as a poly (vinyl alcohol) (PVOH). Glycerol-based are available in two formulations. AF200 is a glycerol solution containing an amine-based antifadent. AF300 is a glycerol solution containing a phenolic type of antifadent.

Film-forming polymer solutions: Tris-MWL 4-88 is a classical, popular mountant solution based on Mowiol® 4-88, glycerol, water and tris-amine buffer. Following evaporation of the water, a film of weak to medium strength is formed. To have effective reduction in photo-bleaching, it should be used with either AF100, AF200 or AF300. CFPVOH is an aqueous solution of poly (vinyl alcohol) and is designed to be used with the glycerol-based antifadent solutions AF200 or AF300. Following evaporation of the water, films of medium hardness are produced. Permafrix PF is an aqueous solution of a chemically modified PVOH, which may be used with AF200 or AF300 to give solutions that, following loss of water by evaporation, give films of medium to high hardness.

Glycerol-free: PVP plus antifadent is an aqueous solution of poly (vinyl pyrrolidone) containing an amine-based antifadent. The solutions are stable over long periods (e.g. more than five years). CFPVOH plus antifadent is an aqueous solution of a carefully selected PVOH containing an amine-based antifadent and has a shelf life of 6 months. **High refractive index glycerol-free solution:** Permafrix PF/HRF this is an aqueous solution of a chemical.



Description	Size	Cat.No.
Mountant Solution AF1 (Non-Hardening)	25 mL	100496-532
Mountant Solution AF1 (Glycerol-Based)	100 mL	100496-530
Mountant Solution AF1 Plus DAPI (Non-Hardening)	15 mL	103303-112
Mountant Solution AF2 (Non-Hardening)	100 mL	100496-534

COVERSLIPPING



NEO MICRO COVER GLASS, NO.1, RECTANGULAR, MATSUNAMI GLASS

Matsunami Glass is a pioneer in the development of cover glass and widely recognized as the standard for quality and flatness. Matsunami Micro Cover Glass is manufactured from the highest grade of glass on a fully automated production line to ensure consistency.

When working with an automated coverslipper, a great deal of stress is applied to the cover glass by the feeding mechanism. NEO Micro Cover Glass can withstand twice the bending stress of competitor products.

Some cover glass tends to stick together in hot, humid conditions. NEO Micro Cover Glass has been specially treated with a coating to prevent sticking. This coating does not interfere with optical transmission.

Mounting media spreads evenly and remains intact for long-term storage. NEO Micro Cover Glass is tested under severe environmental conditions to ensure they do not peel off after the mounting media hardens and the samples are stored for long periods.

Ordering information: NEO Micro Cover Glass is packaged 200 pieces per box, 1000 pieces per case.



Description	L x W	Thickness	Packaging	Cat.No.
NEO Micro Cover Glass	24 x 50 mm	No.1 (0.12~0.17 mm)	67 pcs./oz.	10748-188
NEO Micro Cover Glass	24 x 60 mm	No.1 (0.12~0.17 mm)	54 pcs./oz.	10748-190



HARETA NON-STICK AUTO-GLASS COVERSLEIPS, SPRINGSIDE SCIENTIFIC

There are 2 ounces packed in each small box to facilitate less loading events. Specially coated and specifically designed for automatic coverslippers.

Available: 24X50 MM and 24X55 MM. This specially treated coverglass is designed not to stick together, resulting in fewer equipment jams and glass breakage. Packed in an easy-open, vacuum sealed case to eliminate moisture contamination.

Ordering information: Each case contains 10 small boxes and is foil vacuum-sealed. Each case contains 20 total ounces.

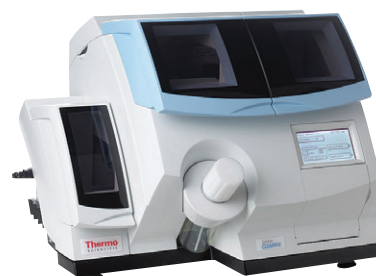


Description	Cat.No.
24 x 50 mm	10756-300
24 x 55 mm	10756-302



EPREDIA CLEARVUE™ GLASS COVERSLIPPER, EPREDIA™

The ClearVue™ coverslipper ensures fast and accurate performance to help ease the coverslipping workload in even the busiest of laboratories. A unique range of advanced features allow it to operate with minimal oversight, giving users the freedom to simply load, close and activate the unit. Load-on-demand capabilities can handle up to 11 slide baskets simultaneously. Baskets can be loaded individually or in groups of five. The coverslipper offers compatibility with a variety of stainers to accommodate virtually any lab setting. The ClearVue™ accepts slides from Shandon Varistain® Gemini ES, Shandon Varistain® 24-4, Sakura® DRS 2000 and Leica® Auto-Stainer. Baskets from any of these instruments may be used in a mix-or-match fashion. The touch-screen panel interface includes software that monitors the type of slide preparation, the size and number of slips dispensed and the number of baskets waiting for use. The integrated disc drive can download technical information and perform necessary software updates.



Integrated sensors ensure proper slide positioning. To protect slide grippers and the prep area, the mountant is dispensed consistently, avoiding splashes and spills. Every slide is optically recognized during coverslipping to prevent illusions or improper handling. The unit automatically identifies and delivers accurate mountant levels and can process both histology and cytology samples at the same time without user interaction. Preloaded coverslip hoppers also help to save time, with each hopper dispensing up to 500 slips.

Standard safety features include downdraft ventilation when loading and unloading slide baskets and a charcoal filter that removes vapors before they're able to escape. The system is non-operational when any of its doors are open, and a battery backup ensures operation completion in the event of power interruption or loss. Removeable debris and purge trays simplify cleanup.

Ordering information: Coverslipper includes case of 2 ClearVue™ coverslip hoppers (24x50mm, #1.5), set of 3 ClearVue™ slide baskets with black sliders, 1 bottle of ClearVue™ mountant, 2 mountant purge trays, 1 ventilation filter, 2 soft hair brushes, 3 suction cups and user's guide.

Electrical	W x D x H	Weight	Cat.No.
100–240 V, 50/60 Hz, 300 A	64.5 x 57.5 x 50 cm (25 ¹³ / ₃₂ x 22 ²¹ / ₃₂ x 19 ¹¹ / ₁₆ "	50 kg (110 lbs.)	95059-836

EPREDIA CYTOSEAL™ MOUNTING MEDIUM, THERMO SCIENTIFIC, EPREDIA™

Ideal for use with oil immersion objectives and in fluorescent applications.

Clear and colorless, medium is formulated from high-quality advanced acrylic resins. It dries rapidly and does not become brittle and crack or discolor with age. Preserves original slide specimen quality almost indefinitely. Slides mounted with this medium will not stick together, and it can be dissolved in toluene or xylene if tissue requires remounting. Available in two viscosities: Cytoseal™ 60 for use with cover glass, and Cytoseal™ 280 for thicker coating or minimal spreading.



Volume	Viscosity	Cat.No.
118.3 mL (4 oz.)	Low (60s)	48212-154
118.3 mL (4 oz.)	High (280s)	48212-267

EPREDIA RESOLVE® LOW AND HIGH VISCOSITY IMMERSION OIL, EPREDIA™

This formulation of synthetic hydrocarbons and advanced polymers is a stable optical fluid that will not dry or harden. Handy squeeze tube dispenser in 14.8 mL (1/2 oz.) size has a 2.5 cm (1") long-nozzle for reaching between objectives or slides.

Meets or exceeds Deutsche Industries Norm requirements DIN58-884.

Ordering information: The 29.6 mL (1 oz.) bottle has an applicator rod built into the cap. The 118.3 mL (4 oz.) and 473.2 mL (16 oz.) bottles have twist-open/twist-close caps for easy dispensing.

Volume	Viscosity	Cat.No.
118.3 mL (4 oz.)	Low	48218-081
118.3 mL (4 oz.)	High	48218-445



COVERSLIPPING



TISSUE-TEK® FILM® COVERSLIPPER, SAKURA® FINETEK

Coverslipper slides at a rate of 1080 per hour using flexible film

Slides are held in a carousel with a full capacity of 240 slides. Film is activated by xylene. Choice of 4 lengths of 45, 50, 55 or 60 mm.

Can be used as a stand-alone instrument or linked to Sakura Prisma Stainer. The unit equipped with barcode reader offers ASCII data output that is easily read by computer systems with a USB interface. Most 2D and 1D barcode formats are supported.

Ordering information: Warranty is one year, parts and labor.

Description	Electrical	Cat.No.
Coverslipper	115 V, 50-60 Hz, 1.3 Amps	89199-930



ACCESSORIES FOR TISSUE-TEK® FILM® COVERSLIPPER, SAKURA® FINETEK

Description	Cat.No.
Flexible Coverslipping Film	25608-978



TISSUE-TEK® GLAS™ G2 AUTOMATED COVERSLIPPER AND ACCESSORIES, SAKURA® FINETEK

Coverslipper slides at a rate of 400 slides per hour.

Choice of 4 size coverslips sizes-40, 50, 55, or 60 mm. After coverslipping, slides are held in an unloading station with a full capacity of 240 slides.

Mounting medium volume is adjustable and precisely applied. Can be used as standalone instrument or attached to the Sakura Finetek Prisma Stainer. The unit equipped with barcode reader offers ASCII data output that is easily read by computer systems with a USB interface. Most 2D and 1D barcode formats are supported.



Description	Electrical	Cat. No.
Coverslipper	115 V, 50/60 Hz, 2.2 A	89199-938
Coverslipper with Barcode Reader	115 V, 50/60 Hz, 2.2 A	10204-852

ACCESSORIES FOR TISSUE-TEK® GLAS™ G2 AUTOMATED COVERSLIPPER, SAKURA® FINETEK

Description	Details	For use with	Cat. No.
Coverslips for Tissue-Tek® Glas™ g2, 24 x 40 mm	5 Packs of 200 Coverslips	Tissue-Tek® Glas™ g2	89199-486
Coverslips for Tissue-Tek® Glas™ g2, 24 x 50 mm	5 Packs of 200 Coverslips	Tissue-Tek® Glas™ g2	89199-488





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ARCHIVING AND STORAGE



VWR® ECONOMY MICROSCOPE SLIDE BOXES

Constructed of durable polypropylene, boxes hold either 25 or 100 standard 25x75 mm (1x3") slides. Hinged lids are held securely closed by latch locks. Convenient, space-saving design with stacking feet maximizes stability when boxes are stored atop one another. Color-coded for ease in sorting and selection. Boxes are unlined. 100 per hinged boxes.

Dimensions	Cat.No.
25-Place Boxes	
14 x 8.9 x 3.5 cm (5½ x 3½ x 1⅜")	82024-612
14 x 8.9 x 3.5 cm (5½ x 3½ x 1⅜")	82024-614
14 x 8.9 x 3.5 cm (5½ x 3½ x 1⅜")	82024-616
100-Place Boxes	
21 x 16.5 x 3.5 cm (8¼ x 6½ x 1⅜")	82024-606
21 x 16.5 x 3.5 cm (8¼ x 6½ x 1⅜")	82024-608
21 x 16.5 x 3.5 cm (8¼ x 6½ x 1⅜")	82024-610



VWR® MICROSCOPE SLIDE BOXES, 25-PLACE

These heavy-duty, two-piece slide boxes feature cork lining and store up to 25 standard 25x75 mm (1x3") slides. Boxes stack securely on top of each other. Color-coded for easy identification. Ideal for storage or transport. Dimensions: 14Lx8.9Wx3.2D cm (5½x3½x1¼").

Color	Cat.No.
Green	82003-420
Yellow	82003-424
White	82003-426



VWR® MICROSCOPE SLIDE BOXES, 50-PLACE

Ideal for storage or transport, these durable ABS plastic boxes accommodate 50 slides apiece. Boxes feature cork lining and a secure clasp to ensure safety in transit or storage. All accept standard 25x75 mm (1x3") slides. Boxes are color-coded for easy identification, and their stackable design increases transit and storage convenience. Dimensions: 21x8.5x3.2 cm (8⅝x3⅜x1¼").

Color	Cat.No.
White	82024-584



VWR® MICROSCOPE SLIDE BOXES, 100-PLACE

Each box features cork lining and an outer shell made of durable ABS plastic. Secured with a rust-resistant nickel-plated clasp and hinge pin. Each slot is numbered to correspond to the slide inventory sheet on the inside cover of the box. For storage of up to 100 standard 25x75 mm (1x3") slides. Boxes stack securely on top of each other. Color-coded for easy identification. Dimensions: 22.2Lx17.1Wx3.3D cm (8¾x6¾x1⅝").

Color	Cat.No.
Blue	82003-406
Green	82003-408
Red	82003-410
Yellow	82003-412
White	82003-414
Gray	82003-416



VWR® MICRO SLIDE TRAYS, CARDBOARD

VWR® Micro Slide Trays accommodate 20 or 30 standard 25x75 mm (1x3") slides. The horizontal compartments are recessed, protecting the specimens when the cover is closed. Compartments feature a thumb cut for easy slide removal.

L x W x H	No. of Places	Cat.No.
20.8 x 34.1 x 9 cm (8 ³ / ₁₆ x 13 ⁷ / ₁₆ x 3 ¹ / ₂ ")	20	82020-913
28.1 x 32.8 x 10 cm (11 ¹ / ₁₆ x 12 ¹⁵ / ₁₆ x 3 ¹⁵ / ₁₆ ")	30	82020-915



VWR® SLIDE STORAGE CABINET

This rugged Slide Storage Cabinet is manufactured from 24 gauge steel with a baked epoxy finish to ensure that slides can be stored with confidence. It holds up to 5000 standard 1x3" slides, and the plastic drawer divider can be removed to store slides up to 2" in width.

The cabinets are stacked by utilizing built-in tabs in the bottom of each unit. Due to this design, the cabinet base is required under the first cabinet to prevent an unstable condition.

Each cabinet includes 6 drawers, each drawer holding 830 slides. Drawers slide easily and can be removed for easy transport. Cabinets can be stacked 10 high.

Ordering information: Each cabinet is supplied with a pack of identification labels and a pack of sponge block spacers. Additional storage drawers (80086-980) may be purchased as a separate accessory item.



Description	Dimensions	Color	Shipping Weight	Cat.No.
VWR® Slide Storage Cabinet	40W x 48.3L x 12.7H cm (15 ³ / ₄ x 19 x 5")	Brown	9 kg (20 lbs.)	80086-976
VWR® Slide Storage Base	40W x 47.6L x 6.9H cm (15 ³ / ₄ x 18 ³ / ₄ x 2 ³ / ₄ ")	Brown	1.8 kg (4 lbs.)	80086-978
VWR® Slide Storage Drawer	10.2W x 49.5L x 7.6H cm (4 x 19 ¹ / ₂ x 3")	Brown	0.45 kg (1 lb.)	80086-980

VWR® MICROSCOPE SLIDE HOLDERS/MAILERS

Single- or double-slide plastic holders/mailers feature sturdy crack-resistant construction and easy-opening tabs. Fit standard 25x75 mm slides.

L x W	Color	Cat.No.
Single-Slide Holder/Mailer		
82 x 39 mm (3 ¹ / ₄ x 1 ¹ / ₂ ")	Blue	95042-208
Double-Slide Holders/Mailers		
91 x 66 mm (3 ⁵ / ₁₆ x 2 ⁵ / ₁₆ ")	Blue	95042-206
91 x 66 mm (3 ⁵ / ₁₆ x 2 ⁵ / ₁₆ ")	Clear	95042-668



VWR® DISPOSABLE SLIDE MAILERS

Heavy cardboard holders accommodate one or two standard 25x75 mm (1x3") slides. Thumb grooves allow for easy removal of slides.

Description	W x D x L	Cat.No.
One-Place Slide Mailer	40 x 5 x 95 mm (1 ⁹ / ₁₆ x 3 ¹ / ₁₆ x 3 ¹¹ / ₁₆ ")	82020-908
Two-Place Slide Mailer	79 x 5 x 103 mm (3 ¹ / ₈ x 3 ¹ / ₁₆ x 4 ¹ / ₁₆ ")	82020-911



ARCHIVING AND STORAGE

VWR® 5-PLACE SLIDE MAILERS

Ideal for shipping, storing or staining slides, these polypropylene containers hold five standard 25x75 mm (1x3") slides. Inside wall features slotted channels to keep slides separated and make removal easier. Closes securely to keep slides safe.

Ordering information: Assorted colors include red, yellow, blue, purple and orange.

Description	W x D x L	Color	Cat.No.
End-Opening Mailer	43 x 24 x 88 mm (1 ¹¹ / ₁₆ x 1 ⁵ / ₁₆ x 3 ¹⁵ / ₃₂ ")	Assorted	82003-431
Side-Opening Mailer	81 x 19 x 31 mm (3 ³ / ₁₆ x 3/4 x 1 ¹ / ₃₂ ")	Natural	82024-598



VWR® AUTOCLAVABLE BAGS, NONHAZARDOUS WASTE

Intended for use in autoclaving nonhazardous waste. Constructed of high-integrity polypropylene, these bags can withstand autoclaving temperatures up to 135 °C (275 °F).

Heavy walls provide superior tear resistance, and welded seals minimize risk of leakage. Bags meet the strength requirements of the 165 g dart drop standard performed per ASTM D1709-98. All bags are clear.

Meets the 165 g dart drop standard (ASTM D1709-98).

W x H	Cat.No.
48.3 x 58.4 cm (19 x 23")	14220-040
63.5 x 88.9 cm (25 x 35")	14220-042
91.4 x 114.3 cm (36 x 45")	14220-044



VWR® HIGH STRENGTH AUTOCLAVABLE INFECTIOUS WASTE BAG

These 2 mil polypropylene bags are engineered to meet the most demanding regulatory specifications worldwide. They meet the 480 g tear test in both directions, performed per ASTM D1299-94A, and are specifically designed for the handling of very dangerous materials.

These high strength bags are ideal for hazardous waste collection and decontamination in an autoclave. Bags are formulated to withstand stress at the side seams and are strong enough to hold items in the laboratory.

These bags are red and are available printed with a black biohazard symbol or plain. The printed bags also read "Infectious Waste" and feature a temperature indicator patch. All bags are autoclavable to 135 °C (275 °F).

Bags meet all state requirements for hazardous waste handling, including Florida, Pennsylvania and California Department of Health codes.

Meets 480 g tear test (ASTM D1299-94A).

Ordering information: Bags are supplied with 12.7 cm (5") twist ties.

Color	Red
Thickness	2 mil

W x H	Cat.No.
Printed Bags	
30.5 x 61 cm (12 x 24")	14220-090
61 x 76.2 cm (24 x 30")	14220-092
61 x 91.4 cm (24 x 36")	14220-096
63.5 x 88.9 cm (25 x 35")	14220-094
96.5 x 121.9 cm (38 x 48")	14220-098



VWR® AUTOCLAVABLE BIOHAZARD BAGS, 2 MIL

Ideal for processing biohazardous materials that require autoclaving prior to disposal. Available with or without temperature indicator. High-integrity polypropylene bags withstand 135 °C (275 °F) maximum autoclave temperature.

Twist-tie closure allows bag to expand and vent steam during cooling. Bags resist punctures, tears and leaks and meet the 165 g dart drop standard performed as required by ASTM D1709-98. Each bag is imprinted with the universal biohazard symbol.

Indicator bags have the words "Contents Have Been Autoclaved" printed in a chemically active ink. Before autoclaving, the ink is white. After autoclaving is complete, it darkens, providing instant proof that biohazardous waste has been autoclaved. Indicator bags are available in red, orange or yellow. Bags without indicators are clear.

Meets the 165 g dart drop standard (ASTM D1709-98).

W x H	Cat.No.
Red Bags with Indicator	
63.5 x 88.9 cm (25 x 35")	14220-032
91.4 x 114.3 cm (36 x 45")	14220-034
Orange Bags with Indicator	
63.5 x 88.9 cm (25 x 35")	14220-052
91.4 x 114.3 cm (36 x 45")	14220-054



VWR® AUTOCLAVABLE BIOHAZARD BAGS, DOUBLE THICK

Made of high-strength, highly temperature-resistant 3mil polypropylene plastic that is autoclavable to 135 °C (275 °F).

Heavy-duty bags offer extra puncture resistance and high-impact strength. Clearly labeled with proper biohazard warnings. Bright red color for quick identification.

Ordering information: Bags are supplied with 20.3 cm (8") twist ties.

W x H	Cat.No.
61 x 91.4 cm (24 x 36")	14220-086
96.5 x 122 cm (38 x 48")	14220-088



VWR® ABSORBENT BENCH UNDERPADS

These super absorbent underpads feature a multi-layer, cushioned construction that is breathable yet absorbent enough for hospital and laboratory use. The polymer layer channels and blocks fluids in the core for maximum fluid retention while eliminating odors and wicking wetness away from the skin.

- Three-layers of absorbent material
- Soft white spunbound polypropylene top sheet
- Super absorbent polymer made of cellulose
- Sealed on four sides to prevent liquid seepage

These pads are ideal for covering hospital beds and chairs, as well as for use during IV starts and minor surgical procedures.

When used as a laboratory bench pad or bench cover, these underpads serve as a protective barrier for labware to prevent breakage and collect spills. Extra large sizes are available, to provide maximum coverage and protection. The backsheet are color-coded (blue or green). Deluxe pads are more absorbent and thicker with more absorbent cellulose fluff than standard pads. Super deluxe pads have an additional super absorbent polymer.

Ordering information: Underpad **82020-845** is packed 50 pads per pack, six packs per case.

W x H	Absorbency	Backing Color	Cat.No.
Standard Pads			
43.2 x 61 cm (17 x 24")	200 mL	Blue	56617-014
Deluxe Pads			
43.2 x 61 cm (17 x 24")	340 mL	Blue	56616-018
58.4 x 91.4 cm (23 x 36")	420 mL	Blue	56617-016



* Some products are only available in certain regions.

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VWR® HIGH-QUALITY BIBULOUS PAPER

High-quality, highly absorbent paper manufactured for minimum linting and shedding. Recommended for drying slides and small parts or components. 50 sheets per book.

Description	Cat.No.
VWR® High-Quality Bibulous Paper	28511-007



FLIP-TOP POLYPROPYLENE SLIDE MAILERS, GLOBE SCIENTIFIC

Our self-standing plastic slide mailers are produced from polypropylene (PP) and feature a flip-top lid to keep slides secure during transport. The compact, slim design saves valuable space and features inner slots that keep slides separated.

Ordering information: Slides are packaged 72 per box, 20 boxes per case (10 gross).

Description	Color	Cat.No.
Slide Mailer for 5 Slides	Natural	89510-778
Slide Mailer for 2 Slides	Blue	89510-776



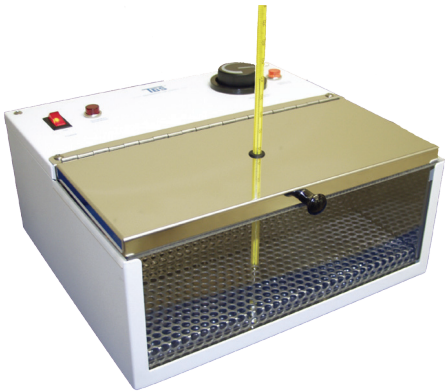
SHURDRY SLIDE DRYER II, TRIANGLE BIOMEDICAL, GENERAL DATA

SHURDry™ Slide Dryer II is the perfect solution for small-volume labs that need a low-volume sliding apparatus that can still dry slides quickly! It offers an uncomplicated, fast method for drying slides to maintain a streamlined histology process. The SHURDry™ Slide Dryer II accommodates two slide racks directly from a stainer and allows the slides to be stained in approximately 20 minutes to 1 hour. A see-through glass provides the histologist the visibility needed to examine contents without releasing heat by opening doors and also makes it convenient for cleaning.

Use the SHURDry™ II with General Data's extensive line of indispensable products that can be seamlessly integrated into your workspace to increase turnaround time and ensure high-quality results.

Electrical	100-120 VAC 50/60 Hz 2 A
W x D x H	26 x 28 x 13 cm (11 x 10 x 5")
Weight	5 kg (11 lbs.)

Description	Cat.No.
Slide Dryer, Small Footprint	10119-900





SLIDE AND TISSUE BLOCK STORAGE FILES, AZER SCIENTIFIC

These storage files provide an economical and efficient solution for storing and indexing microscope slides and tissue blocks. The stackable, interlocking cardboard construction is easy to assemble. The four-drawer slide storage file can hold up to 2000 slides. The eight-drawer tissue block file can hold up to 500 blocks. All surfaces are polymer-coated to help resist moisture.

Description	W x L x H	Cat.No.
Microscope Slide Storage File	30.5 x 29.2 x 10.2 cm (12 x 11½ x 4")	95045-510
Tissue Block Storage File with 8 Drawers	28 x 30.5 x 10.2 cm (11 x 12 x 4")	95045-512



SURGIPATH® CASSETTE STORAGE DRAWERS, LEICA® MICROSYSTEMS

Drawers offer an efficient means of organizing and filing histology case blocks for future reference. Constructed of a high-polymer plastic resin, the storage system houses 256 standard cassettes and approximately 500 mini-cassettes. Each two-drawer system can be used individually for transport or combined with additional drawers and stacked to create a larger system.

Description	Cat.No.
Surgipath® Cassette Storage Drawers	95057-864



SURGIPATH® MODEL 9100 SLIDE/CASSETTE STORAGE UNIT, LEICA® MICROSYSTEMS

The Model 9100 storage unit is engineered and designed for the secure storage and organization of microscope slides and paraffin-embedded cassettes within a single unit. Each storage unit features robust unblock construction with minimized spot welding for increased support. Stackable layers of slide and cassette drawers allow for customizable storage, with a possible total of 14 slide drawers and 8 cassette drawers. All drawers feature a finger pull for easy removal and insertion. Drawer interiors can be accessed easily due to plastic-coated rail inserts that facilitate opening and closing, whether or not the drawers are loaded. An organizer tray can be positioned on top of the unit for use as a workspace or for prepping drawers. Index tabs and drawer labels are available for quick identification and sorting. The optional cabinet base is equipped with four casters for mobility. The front two casters are lockable.

Capacity	270 per Drawer, 8 Drawers per Unit per Cassettes, 396 per Drawer, 14 Drawers per Unit per Slides
Dimensions	48.3W x 48.3L x 24.1H cm (19 x 19 x 9½") Cassette Storage Cabinet, 48.3W x 48.3L x 10.2H cm (19 x 19 x 4") Slide Storage Cabinet, 48.3W x 48.3L x 7.7H cm (19 x 19 x 3") Organizer Tray

Description	Cat.No.
Cabinet Base with Lockable Casters	95057-966
Cabinet Top	95057-964
Cassette Storage Cabinet with 8 Drawers	95057-972
Slide Storage Cabinet with 14 Drawers	95057-866



TISSUE-TEK® EMBEDDING RING FILING CABINET, SAKURA® FINETEK

Provides permanent storage/reference for blocks embedded in Tissue-Tek® embedding rings. Stackable cabinets accommodate 1000 rings. One-piece construction eliminates hinges and doors for dust-free storage. Includes six, impact-resistant drawers, each with an identification area. Dimensions: 24.1Wx43.2Dx38.1H cm (9½x17x15").

Description	Cat.No.
Cabinet without Rings	95057-966



ARCHIVING AND STORAGE

TISSUE-TEK® EMBEDDING RING FILING CABINET, SAKURA® FINETEK

Provides permanent storage or reference for blocks embedded in Tissue-Tek® embedding rings.

- Includes six, impact-resistant drawers, each with an identification area
- Dimensions: 24.1 W x 43.2 D x 38.1 H cm (9 1/2 x 17 x 15")

Stackable cabinets accommodate 1000 rings. One-piece construction eliminates hinges and doors for dust-free storage.

Description	Cat. No.
Cabinet without rings	25608-866



LAB AID® ULTRA™ II STORAGE CABINET, SAKURA® FINETEK

Security and capacity are the primary characteristics of the Lab Aid® Ultra™ cabinet for slides or cassettes.

- Storage capacity is either 96,000 slides or 22,000 cassettes (blocks)
- Two keys to lock the drawers and hardware to connect cabinets together

10 drawer cabinet; eight trays with eight dividers in each drawer for a total of 80 trays and dividers per cabinet.

This modernized system offers large capacity storage with integrated security features. A sturdy steel construction ensures long-term use and a drawer lock prevents tampering, guaranteeing specimen safety. Each drawer front has a plastic covered labeling tab for positive identification.



Description	Width	Depth	Height	Cat. No.
Lab aid® Ultra™ II storage cabinet	110 cm	59.5 cm	71.3 cm	10144-724

Electron Microscopy Sciences

COMPACT GLASS SLIDE STORAGE BOX; THE MINI BOX, ELECTRON MICROSCOPY SCIENCES

Made from rigid polystyrene, with a removable lid. This 25-capacity slide box measures L x W x H: 95 x 82 x 30 mm (7.75 x 3.25 x 1.25"). The box is available in either white, red or blue.

Color	Cat.No.
Blue	100501-424
Red	100501-426
White	100501-428



ZEROSTAT ANTI-STATIC GUN, ELECTRON MICROSCOPY SCIENCES

The Zerostat Anti-Static Gun operates on a piezoelectric effect to emit positive and negative charges to neutralize static on any surface. This anti-static gun emits no radioactivity and does not require electricity or batteries.

Measures 4 x 6".

Color	Cat.No.
Zero-Stat Anti-Static Gun	100496-120



DIGITAL VORTEX GENIE 2, ELECTRON MICROSCOPY SCIENCES

Additional accessories for the Vortex Genie® 2 Digital available.

Features digital control and display. Uses shaking or vortexing action. Variable speed control allows slow speed shaking action up to high-speed vortexing. In addition, each attachment is designed to produce different mixing actions, allowing users to choose the correct action for each application. Multi-task versatility: A broad range of attachments of various shapes, sizes and materials allows for mixing of almost all common tubes or containers for hands-free or touch operation. Digital speed control and display. Provides accuracy, reproducibility and repeatability. Timer Function. Touch on for 1-99 seconds. Hands-free for 1-99 minutes or continuous. Does not walk. Tough metal housing, combined with "just enough weight," provides a stable platform for all types of mixing. Unmatched reliability. Many years of proven performance in laboratories all over the world.



Additional accessories for the Vortex Genie® 2 Digital available.

Measures 4 x 6".

Description	Electrical	Cat.No.	Description	Electrical	Cat.No.
Digital Vortex Genie 2, 120 V, 50 Hz Australian Plug		102097-714	Digital Vortex Genie 2, 120 V, 50 Hz Swiss Plug		102097-720
Digital Vortex Genie 2, 120 V, 50 Hz British Plug		102097-716	Digital Vortex Genie 2, 120 V, 60 Hz		102097-710
Digital Vortex Genie 2, 120 V, 50 Hz European Plug		102097-718	Digital Vortex-Genie 2, 50 Hz	120 V	102097-708
Digital Vortex Genie 2, 120 V, 50 Hz No Plug		102097-712			

CRYO LABELS, LASER PRINTABLE, ON SHEETS, ELECTRON MICROSCOPY SCIENCES

Specially designed innovative labels for cryogenic storage. Made with a flexible, polyolefin label material and acrylic adhesive. This unique combination expands and contracts together with temperature fluctuations, resulting in a strong adhesive bond.

- Withstand freezer temperatures to -196 °C (liquid and vapor phase nitrogen), boiling water baths (100 °C), autoclaving and moderate oven temperatures (150 °C)
- Resist most organic solvents and caustic agents
- Adhere to plastics, glass and metals without cracking, peeling or degrading
- Specially top-coated to accept laser printing and other markings
- Heat-resistant, stay-flat sheets will not jam in laser printers

Virgin Polypropylene tubes are recommended. Avoid the use of siliconized surfaces.

Packaging: Rainbow packs with 4 sheets of each color: blue, green, red, yellow.

Description	Color	For use with	Dimensions	Cat.No.	Description	Color	For use with	Dimensions	Cat.No.
Cryo labels, on sheets	White	1.5 ml tubes	33 x 13 mm	101413-868	Cryo labels, laser printable, on rolls	Green	1.5 ml tubes	33 x 13 mm	102681-344
Cryo-Babies labels, laser printable, on rolls	White	0.5 ml tubes	24 x 13 mm	101413-854	Cryo labels, laser printable, on rolls	Orange	1.5 ml tubes	33 x 13 mm	102681-346
Cryo-Babies labels, laser printable, on rolls	White	1.5 ml tubes	33 x 13 mm	101413-852	Cryo labels, laser printable, on rolls	Yellow	1.5 ml tubes	33 x 13 mm	102681-348
Cryo-Babies, laser printable, on rolls	Blue	1.5 ml tubes	33 x 13 mm	102098-478	Cryo-Babies labels, laser printable, on rolls	White	General purpose	38 x 19 mm	101413-856
Cryo-Babies, laser printable, on rolls	Red	1.5 ml tubes	33 x 13 mm	102098-484					

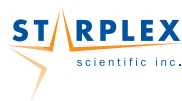
If you don't see what you are looking for contact us.

Please reach out to your Avantor sales or customer service representative to assist you.

You can visit our website at vwr.com for more information or give us a call.

Customer Service 1-888-932-5000 or click here to complete a form: <https://us.vwr.com/store/company/contactUs.jsp>

Avantor carries millions of products, equipment and supplies from the brands you trust to offer a complete histology workflow solution.



The VWR Furniture Catalog

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Whether you're looking to build a new lab or renovate an existing one – check out VWR's Furniture Catalog.

Find innovative storage ideas, modular benches, fixed casework, seating, fume hood, biosafety cabinets, under-counter refrigerators, glassware washer and accessories – all from one quick, convenient source. VWR offers a full line of quality lab furniture and components, along with a complete turn-key service offering that can help you with lab planning, design and installation.

vwr.com/furniture



