



Anatomical Pathology

Solutions for Laboratories

Histology
Cytology
Immunohistochemistry
Digital Pathology



Dear Valued EpreDia Customer,

It's nice to meet you again! Our name may be new, but our legacy isn't. For nearly a century we have been committed to the development of groundbreaking technologies, to excellence in quality, and to enabling you to achieve diagnostic excellence. That commitment continues today.

EpreDia is a global company enabling precision cancer diagnostics powered by some of the most respected names in the industry – Shandon, Richard-Allan Scientific, Microm, Menzel-Glaser, and others. Together, these brands represent the entire histology workflow, from specimen collection to processing, sectioning to staining, and advanced imaging to archiving.

In this catalog you will find a comprehensive offering of workflow solutions for histology, cytology, immunohistochemistry, and digital pathology. Every product and service developed has been impacted by generations of employees who are committed to improving lives by enabling pathologists through enhancing precision cancer diagnostics.

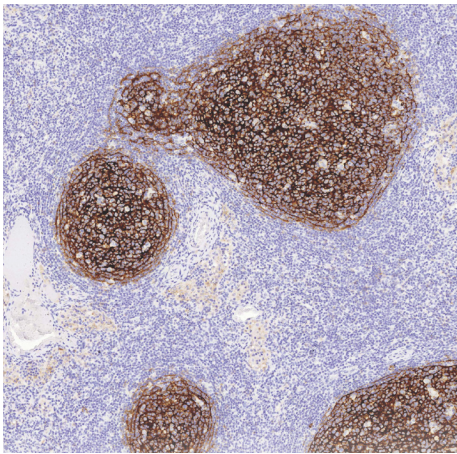
What you do matters, and we're here to support you. It is a pleasure to serve you at EpreDia.

Sincerely,

James Post
President and CEO
EpreDia



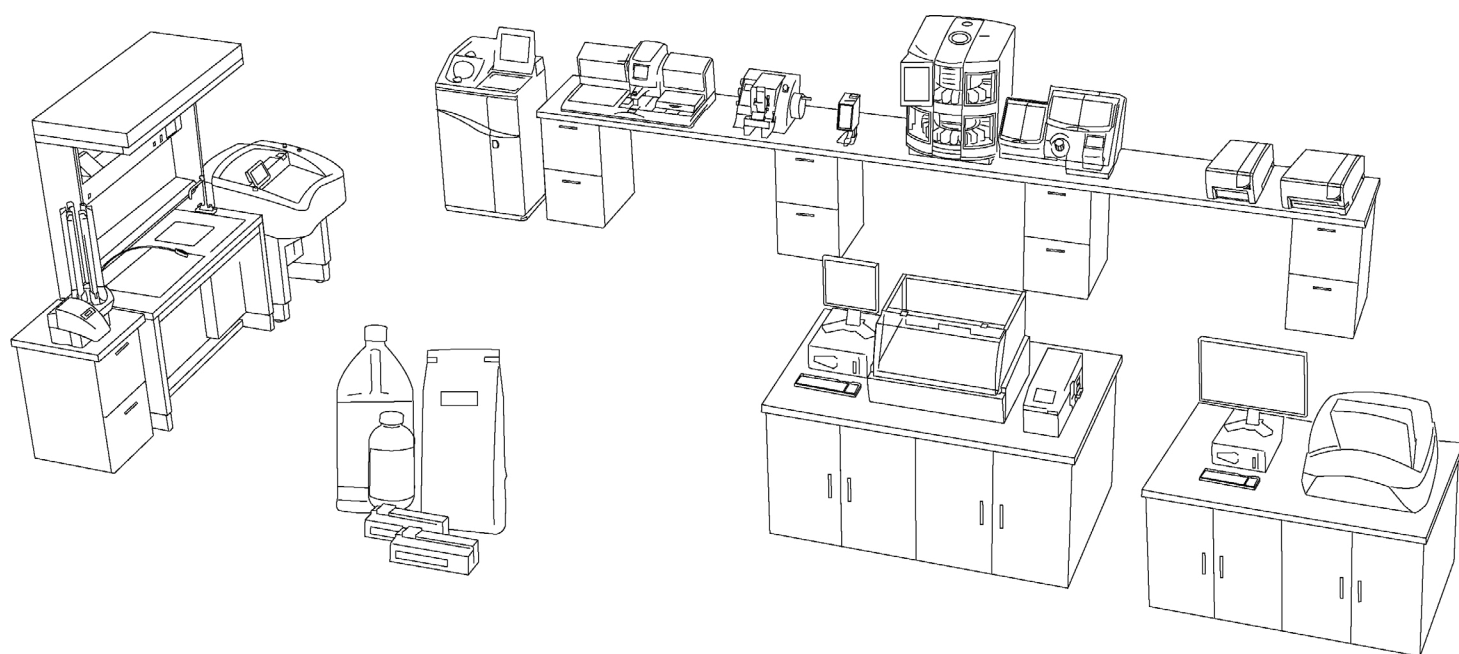
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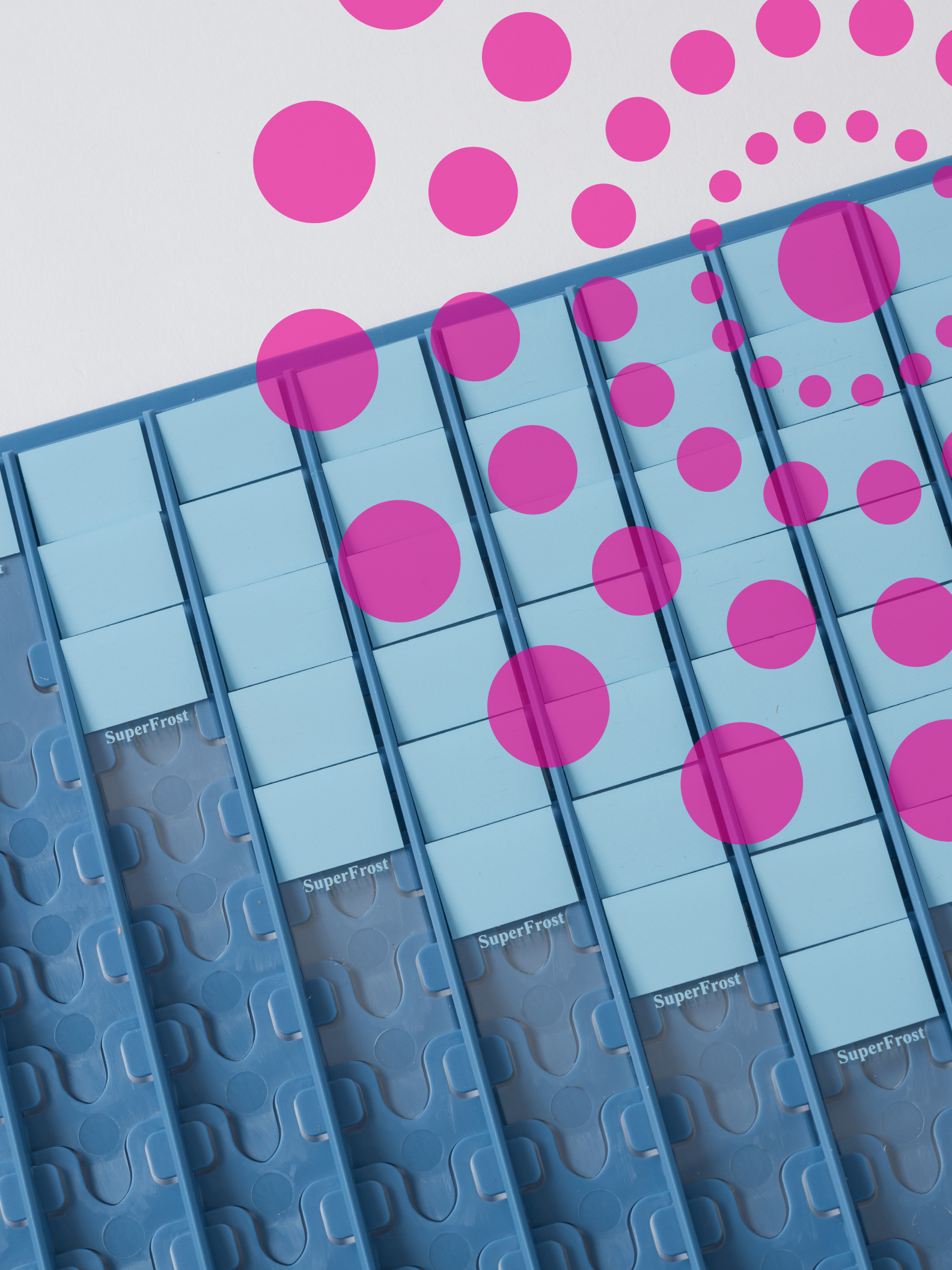


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SuperFrost

SuperFrost

SuperFrost

SuperFrost

SuperFrost

You Have Questions, We Have Answers

Our factory trained support team includes technical, software, and laboratory applications professionals who are dedicated to solving your problems quickly in order to provide lasting solutions. We understand patient care depends on our equipment functioning at its best – we are here to help.

How can our products serve your specific needs?

Laboratory Applications Specialists provide comprehensive application support for EpreDia Anatomical Pathology instruments and consumable products.

- Assist with optimizing protocols or procedures when using EpreDia instruments or consumables
- Provide a level of troubleshooting expertise that is based upon a combination of real laboratory experience and industry experience
- Department members are ASCP certified in histology and hold a variety of educational degrees



Using your instruments to their maximum potential

Field Laboratory Applications Specialists are available for installation and comprehensive customer-site training for a wide variety of EpreDia laboratory equipment and related software applications.

Troubleshooting your EpreDia instrument

Our in-house Technical and Software Support Representatives go through rigorous factory training to troubleshoot instrument issues, provide assistance, and answer general questions. This ensures you receive the support you need for the instruments you use.

Service When and Where You Need it Most

We come to you

Should your instrument need service, we will send one of our factory-trained Field Service Engineers directly to your facility as soon as possible. Have confidence your instrument will be repaired in a timely manner and perform to your satisfaction.

- National coverage through a network of EpreDia Field Service Engineers
- Our Engineers are factory trained and certified. They ensure that all necessary updates and preventative procedures are carried out correctly, keeping your instrumentation up to date.
- We ensure only genuine factory replacement parts are used to repair your instrument

Our instruments come with a comprehensive parts and labor warranty (one full year for a new instrument).

Dedicated to your workflow

If there is a situation in which we cannot complete service at your facility, we will arrange to have your instrument evaluated at a depot repair facility. Service will be completed by our in-house Engineers who are subject matter experts, ensuring that your instrument will be returned to your laboratory as quickly as possible.

Direct Technical and Application Support

| Direct Technical Support | (800) 522-7270 – Option 2 |
|--|---|
| Technical Phone and Email Support by Product Group | Secondary Phone Options: <ul style="list-style-type: none"> - Option 1 Tissue processing[†], embedding centers - Option 2 Microtomes, cryostats - Option 3 PrintMate, SlideMate, software support for labeling and tracking - Option 4 Stainers, coverslippers, all other equipment <p>Email: service.ap.usa@thermofisher.com</p> |
| Hours of Operation, Excluding US Holidays: | Monday through Friday, 8 a.m. – 5 p.m. EST |
| Direct Application Support | (800) 522-7270 – Option 3 |
| Application Phone Support by Product Group | Secondary Phone Options: <ul style="list-style-type: none"> - Option 1 Consumable and Instrument applications - Option 2 Digital Pathology - Option 3 IHC Support |
| Hours of Operation, Excluding US Holidays: | Monday through Friday, 8 a.m. – 5 p.m. EST |

[†]We offer on-call support after hours for technical emergencies that involve tissue at risk.

Support For Your Immunohistochemistry Instruments

| | |
|---|--|
| To contact the IHC Technical Support: | (800) 522-7270 – Option 3, Option 3 |
| Email: | lab.reagents@thermofisher.com |
| Hours of Operation, Excluding Holidays: | 8:00 a.m. – 5:00 p.m. EST |



What assistance is provided to me regarding my Immunohistochemistry (IHC) instruments?

Your diagnosis is crucial and you depend on your equipment functioning at its best. We have a dedicated team of professionals on call, supported by a team of pathologists, IHC experts, Field Applications Specialists, and Field Service Engineers to assist with your IHC-related inquiries.

- Provide effective troubleshooting and timely issue resolution for EpreDia IHC instrumentation and consumable products
- Assist with selection of antibodies, detection systems and protocol optimization
- Provide high-level support based upon access to specific product history records, including Quality Control (QC) data and pathologist reviews

Please call our IHC Applications Specialists for:

- IHC reagent troubleshooting and technical tips
- Autostainer troubleshooting, preventative maintenance and service requests
- IHC protocol assistance
- Technical product information

Do Business with a Partner You Can Rely On

How can I learn more about EpreDia Anatomical Pathology products?

When you call into our Customer Care Department, your call will be answered by a live person – world-class response by highly trained Customer Care Service Representatives who are passionate about your business!

Our team services the following EpreDia Anatomical Pathology products:

- Richard-Allan Scientific™
- Shandon™
- Microm™
- R.A. Lamb™
- IHC LabVision™

| | |
|--|---|
| Call-in Orders and Order Status: | (800) 522-7270 Option 1 |
| Hours of Operation, Excluding US Holidays: | Monday through Friday, 8 a.m. – 5 p.m. EST |
| Faxing Your Purchase Order? | Toll free fax: (877) 815-2608 |
| Emailing Your Purchase Order? | cs.apd.kalamazoo@thermofisher.com |
| Ordering from EMEA? | sales.apd.bnl@thermofisher.com |

I'm ready to place an order

We know that your time is valuable and you want to do business with a partner you can rely on. Contact your local EpreDia Sales Representative or call our Customer Care team to start your order today.

Do you have items that you order the same quantity of on a weekly or monthly basis?

Standing orders are easy to set up and save you time. Ask your Customer Care professional today!

Can I fax or email my order?

Faxed or emailed orders are entered into our ordering system within eight business hours of receipt. For order accuracy and improved billing, please validate your purchase order for:

- Accurate “ship to” and “bill to” addresses
- Your contact information, including fax and phone numbers and email address
- Special shipping and handling instructions
- Auto confirmation through email
- Payment terms of Net 30
- Vendor information:

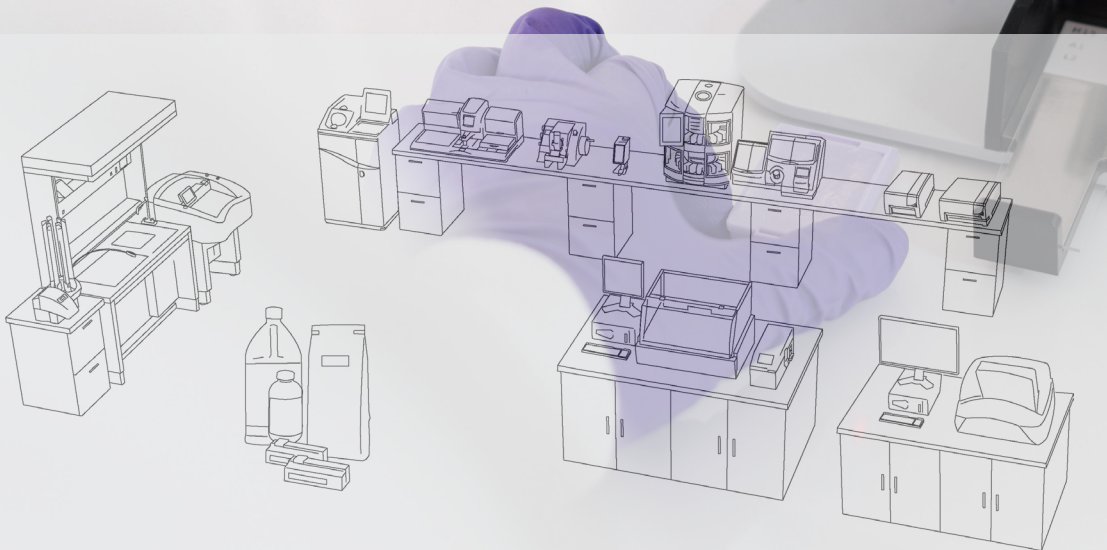
EpreDia
4481 Campus Drive
Kalamazoo, MI 49008

OR

Remit to:
98194 Collection Ctr. Drive
Chicago, IL 60693

Workflow Solutions

protecting
your
workflow



Simplify and Strengthen Your Workflow Process

A high proportion of the errors made in histology laboratories are caused by inadequate methods for labeling and tracking cassettes and slides. The PrintMate AS™ cassette printer and SlideMate AS™ slide printer are the third generation of labeling equipment, that when used with PrintMate cassettes and slides, are designed to maximize accuracy while streamlining workflow and improving efficiency.

Small Footprint with Big Impact

- Ideal for on-demand labeling right at the grossing station or microtome, leading to lower error rates than traditional batch printing
- Print as few as one cassette or one slide and avoid mismatched pairing
- PrintMate AS optional collection system captures cassettes in trays for organized batch printing

Solid Security

- The simple method of communicating with the Laboratory Information System provides a secure method of obtaining the details to be printed
- PrintMate AS and SlideMate AS can be used as intelligent stand-alone printers capable of accepting data from a bar code or typed input

Total Care Program

- The new range of cassettes and slides have been designed for optimal use with all Epredia instruments to establish an easily-maintained, accurate workflow
- Extended service contracts through the Total Care Program support your lab with twice yearly preventative maintenance visits with the aim of eliminating lost time due to breakdowns





Physical Specifications

Dimensions without cassette tubes
(D x W x H):
15 x 17.13 x 11.4 in.
(38 x 43.5 x 29 cm)

Dimensions with cassette tubes
(D x W x H):
15 x 17.13 x 31.89 in.
(38 x 43.5 x 81 cm)

Weight:
37.5 lbs. (17 kg) with tubes

Power requirements:
100-240 V, 50-60 Hz

Printing Specifications

Input cassette capacity:
PrintMate AS 150, 150 cassettes;
PrintMate AS 450, 450 cassettes;
PrintMate AS 900, 900 cassettes

Printing media: Black thermal
transfer ribbon

Printing media capacity: 1 roll =
20,000 cassettes (approximately)

Printing speed: 10 seconds per
cassette (approximately)

PrintMate AS Cassette Printer

Lean Workflow and Error Reduction in Your Laboratory

- Fast print speed matches your grossing workflow
- High-quality print means that every cassette is clearly marked with easy-to-read, permanent black type. Enhanced accuracy of sample integrity contributes to improved patient care
- The small size of the PrintMate AS™ cassette printer allows it to fit easily next to the grossing area, providing greater flexibility in determining the optimal workflow solution for your laboratory
- Cassettes are pre-heated for the ultimate print performance
- PrintMate AS cassette printer can be used as an on-demand or batch printer in any size laboratory
- Optional dual-track collection system collects up to 100 cassettes in organizer trays – the trays are easily stacked and simplify matching cassettes to specimen containers
- PrintMate AS cassette printer allows for the use of a wide variety of PrintMate cassettes from EpreDia

Print-on-Demand Capabilities

- Prints large batches or single cassettes using standard or custom configurations
- Simple method of obtaining data from a LIS
- Software can alternatively use barcodes from a requisition form or specimen container to automatically print cassettes, reducing errors caused by manual data entry
- Preview window lets you see what is about to be printed
- Can provide records of print jobs to help manage your staff and workflow

Adhere to Regulatory Requirements

- As requirements for cassette labeling change, the PrintMate AS cassette printer can continue to comply with new regulations and maintain your laboratory accreditation.

| Description | Order Number |
|---|--------------|
| PrintMate AS 150 cassette printer (2 hoppers) | A83800001 |
| PrintMate AS 450 cassette printer (6 hoppers) | A83800002 |
| PrintMate AS 900 cassette printer (12 hoppers) | A83800003 |
| Includes Printmate AS, USB Cable, power cable, 2, 6, or 12 cassette hoppers, one roll of tape (installed), EpreDia™ LabWriter™ software CD, operator guide, setup and installation | |
| PrintMate AS 150 cassette printing system (2 hoppers) | A83800004 |
| PrintMate AS 450 cassette printing system (6 hoppers) | A83800005 |
| PrintMate AS 900 cassette printing system (12 hoppers) | A83800006 |
| Includes Printmate AS, USB Cable, power cable, 2, 6, or 12 cassette hoppers, one roll of tape (installed), EpreDia™ LabWriter™ software CD, operator guide, all-in-one-PC, and digital imager, setup and installation | |

| Accessories | Order Number |
|--|--------------|
| Collection system (includes cable, 4 trays for cassettes, output guides) | A79510014 |
| Collection trays (box of 4) | A79510022 |
| Thermal transfer ribbon, box of 5 rolls | A79510013 |
| All-in-one touchscreen PC | B81300033 |
| Digital imager (linear/2D barcode reader) | B35310050 |
| Cassette hopper (ea.) | A79510024 |



Dispensing System

- Dispensing system for reliable dispensing of cassettes



Collection Tray

- PrintMate AS with collection system

Total Care Package

The PrintMate AS Total Care Package offers workflow protection as never before. It offers a complete solution, combining the PrintMate AS on-demand cassette printer with cassettes and total care service support.

EpreDia Cassettes

All-new surface finish and reinforced print faces are built to optimize quality when used with the PrintMate AS cassette printer.

Total Care Service Support

The PrintMate AS Total Care Package includes three years of service support – one year warranty and two years extended service. Total Care Package customers receive two preventative visits per year for three years. At these visits, wear components are automatically replaced to ensure reliable operation and uninterrupted workflow.

You'll need:



Cassettes

The entire range of cassettes has been redesigned for better performance – both in printing and in laboratory processes.

- The all-new surface finish and reinforced print faces are built to optimize print quality when used with PrintMate AS cassette printers
- All-new PrintMate AS-compatible tubes are precisely engineered to reduce jamming and prevent downtime
- Opening and closing forces have been carefully adjusted for ease of use, while safeguarding valuable specimens during processing
- All cassette designs have been comprehensively validated for print quality, processing quality, and reliability in embedding and sectioning
- New 12-color range selected for scanning reliability



PrintMate Embedding Cassette

- Pore style: Round holes
- For routine specimens
- Lid hinge: Reversible



PrintMate Slotted Cassette

- Pore style: Slotted
- For routine specimens
- Lid hinge: Reversible



Thinline Slotted Cassette

- Pore style: Slotted
- For routine specimens
- Lid hinge: Front edge



Slotted Cassette 2

- Pore style: Slotted
- For routine specimens
- Lid hinge: Front edge



TissueLoc™ Cassette (Cassette IV)

- Pore style: Slotted
- For routine specimens
- Lid hinge: Back edge
- Large tab for easy opening



PrintMate Biopsy Cassette

- Pore style: Small squares
- For biopsy specimens
- Lid hinge: Reversible



Thinline Biopsy Cassette

- Pore style: Small square
- For biopsy specimens
- Lid hinge: Front edge



Biopsy Cassette 2

- Pore style: Small square
- For biopsy specimens
- Lid hinge: Front edge



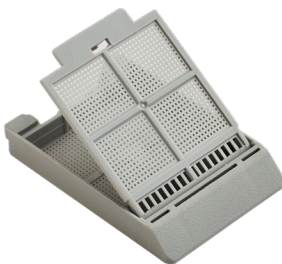
TissueLoc Biopsy Cassette (Cassette IV)

- Pore style: Small square
- For biopsy specimens
- Lid hinge: Back edge
- Large tab for easy opening



HistoScreen™ Cassette

- Pore style: Mesh
- For very small biopsy specimens
- Eliminates need for sponges or bags
- Lid hinge: Back edge



Fine Pore Cassette

- Pore style: Small holes
- For very small biopsy specimens
- Lid hinge: Front edge

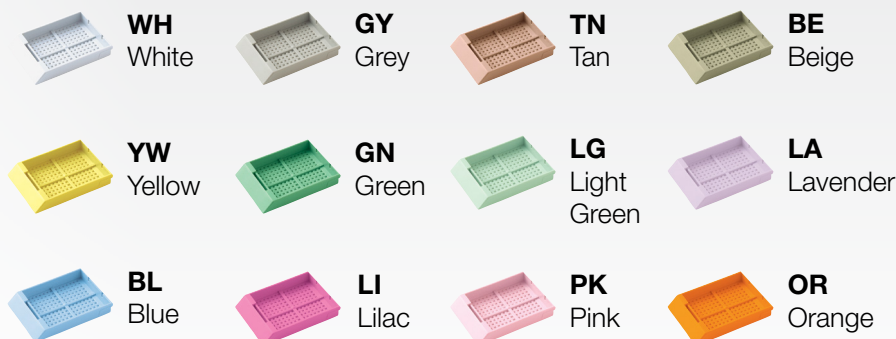
| Accessories | Order Number |
|---|--------------|
| PrintMate Embedding Cassette | |
| 1,000 cassettes, loose, with no lids – for use with metal lids | B851040 |
| 750 cassettes, 10 tubes of 75 cassettes, with no lids – for use with metal lids | B851010 |
| 1,000 cassettes, loose, with loose-packed lids | B851070 |
| 750 cassettes, 10 tubes of 75 cassettes, with loose-packed lids | B851100 |
| Metal lids for cassettes | 1001003 |
| PrintMate Slotted Cassette | |
| 1,000 cassettes, loose, with loose-packed lids | B851090 |
| 750 cassettes, 10 tubes of 75 cassettes, with loose-packed lids | B851120 |
| Thinline Slotted Cassette | |
| 750 cassettes, 10 tubes of 75 cassettes, with color-matched, attached lids | B851736 |
| Slotted Cassette 2 | |
| 1,000 cassettes, loose, with attached lids | B851739 |
| 750 cassettes, 10 tubes of 75 cassettes, with loose-packed lids | B851729 |
| TissueLoc Cassette (Cassette IV) | |
| 1,000 cassettes, loose, with attached lids | B851954 |
| 750 cassettes, 10 tubes of 75 cassettes, with loose-packed lids | B851720 |

| Accessories | Order Number |
|--|--------------|
| PrintMate Biopsy Cassette | |
| 1,000 cassettes, loose, with attached lids | B851080 |
| 750 cassettes, 10 tubes of 75 cassettes, with loose-packed lids | B851110 |
| Thinline Biopsy Cassette | |
| 750 cassettes, 10 tubes of 75 cassettes, with color-matched, attached lids | B851737 |
| Biopsy Cassette 2 | |
| 1,000 cassettes, loose, with attached lids | B851738 |
| 750 cassettes, 10 tubes of 75 cassettes, with loose-packed lids | B851730 |
| TissueLoc Biopsy Cassette (Cassette IV) | |
| 1,000 cassettes, loose, with attached lids | B851925 |
| 750 cassettes, 10 tubes of 75 cassettes, with loose-packed lids | B851750 |
| HistoScreen Cassette | |
| 1,000 cassettes, loose, with attached lids | B851000 |
| 750 cassettes, 10 tubes of 75 cassettes, with loose-packed lids | B851001 |
| Fine Pore Cassette | |
| 1,000 cassettes, loose, with color-matched, attached lids | B851735 |
| 750 cassettes, 10 tubes of 75 cassettes, with color-matched, loose-packed lids | B851734 |

Ordering is easy.

Simply select your cassette and configuration number above, add the two digit color code from below.

Example: Light Green TissueLoc Biopsy Cassette in tubes = B851750LG





SlideMate AS Slide Printer

The SlideMate AS on-demand slide printer promotes single-piece workflow through unique features designed specifically for on-demand printing.

Reduce Patient Identification Errors

- Smaller footprint than previous models, making it easier to fit next to the microtome
- Fully integrated color touch screen and easy-to-use intuitive software
- Built-in barcode scanner reads cassette information and imports data to the slide label
- Easily optimize print quality of adhesion and non-adhesion slides by saving individual heat settings

Enhance Lean Workflow

- Connects easily to other computers or Laboratory Information Systems
- Prints directly onto the slide
- High-quality printing of text, numbers and barcodes (linear and 2D)
- Flexible data input methods allow integration into the laboratory workflow
- Chemical resistant media ensures print durability

Connectivity

- Ethernet, Wi-Fi, USB-A (2), USB-B (1)

Physical Specifications

Dimensions:
(D x W x H):
7.9 x 5.5 x 11.6 in.
(20 x 14 x 29.5 cm)

Weight:
8.3 lbs. (3.78 kg)

Power requirements:
100-240 VAC, 50-60 Hz, 1.2A

Printing Specifications

Printing media: Black thermal transfer ribbon (25 mm wide)

Printing media capacity: 1 roll = 12,000 slides (approximately)

Printing speed: 3-5 seconds per slide

Slide type: 1 x 3 in.
or 25 x 75 x 1 mm

| Description | Order Number |
|--|------------------|
| SlideMate AS basic printer | A83900001 |
| SlideMate AS basic printer with color touch-screen, power supply, power cord, and Windows Printer Driver software to print externally generated slide label from an image file | |
| SlideMate AS basic printing system | A83900002 |
| SlideMate AS basic printer with slide delivery system, color touch-screen, power supply, power cord, and Windows Printer Driver software to print externally generated slide label from an image file | |
| SlideMate AS on-demand printer | A83900004 |
| SlideMate AS on-demand printer with color touch-screen, built-in scanner, Wi-Fi, power supply, power cord, and advanced software enabling label creation, special panel printing, and import from LIS | |
| SlideMate AS on-demand printing system | A83900005 |
| SlideMate AS on-demand printer with slide-delivery system, color touch-screen, built-in scanner, Wi-Fi, power supply, power cord, and advanced software enabling label creation, special panel printing, and import from LIS | |

| Description | Order Number |
|--|--------------|
| Thermal transfer ribbon | A83910001 |
| Slide delivery system | A83910002 |
| Spare slide hopper for slide delivery system | A83910016 |
| Gateway software (one unit) | A83910005 |
| Multi-gateway software (up to ten units) | A83910009 |
| Head cleaning kit | A83910008 |

Total Care Package

Efficiency and accuracy are hallmarks of today's leading laboratories. Now, the SlideMate AS Total Care Package offers workflow protection as never before. It offers a complete solution, combining the SlideMate AS on-demand slide printer with microscope slides and total care service support.

Epredia Microscope Slides

Epredia Microscope slides are made from fine white glass, manufactured to high quality standards. The clarity achieved by our manufacturing process helps ensure high levels of transparency to aid in accurate diagnosis. All slides are pre-cleaned, thin, flat, and feature finely ground edges with a permanent tab for printing with the SlideMate AS.

Total Care Service Support

The SlideMate AS Total Care Package includes three years of service support – one year warranty and two years extended service. Total Care Package customers receive preferential 24-hour service turnaround and will be sent a permanent SWAP unit to reduce any downtime.

You'll need:



microscope slides



slide markers

Microscope Slides

Our microscope slides are made from fine white glass, manufactured to high quality standards in our Swiss glass manufacturing plant. The clarity achieved by our manufacturing process helps ensure high levels of transparency to aid in accurate diagnosis. Our skilled glassmakers strive to create slides with lot-to-lot and box-to-box consistency. Fully integrated quality controls include several checkpoints for testing, ensuring high quality product for laboratory use. All slides are pre-cleaned, thin, flat, and feature finely ground edges. Each pack is wrapped to protect against humidity and moisture. Contact your local sales representative for more information.

Superfrost and Colorfrost Slides

- Superfrost and Colorfrost™ Slides feature a durable, easy to write, print and label printed tab
- Printed tab is impervious to virtually all common laboratory chemicals and reagents
- Available in a wide variety of colors to ease identification

Specialty Printed Slides

- Localize cells in an easily-identifiable area on the slide surface
- Wells are surrounded by a chemical and water-resistant hydrophobic ink mask
- Available in 1, 3, 8, 10, and 12-well configurations

Polysine Adhesion Slides

- Adhesive coating attracts paraffin-embedded sections to slide surface
- Polysine slides are coated with a derivative of the chemistry for poly-L-lysine
- Feature a durable, easy to write, print, and read printed white tab
- Printed white tab is impervious to virtually all common laboratory chemicals and reagents

Superfrost Excell Adhesion slides

- Superfrost Excell adhesion slides feature a unique chemistry with strong adhesion properties
- Useful in applications involving high pH Heat Induced Epitope Retrieval (HIER)
- Feature a durable, easy to write, print and read printed white tab
- Printed tab is impervious to virtually all common laboratory chemicals and reagents

Superfrost Plus Gold Adhesion Slides

- Superfrost Plus Gold Adhesion Slides are made with a complex adhesive technology which attracts and chemically bonds fresh or formalin-fixed frozen tissue sections firmly to the surface of the slide
- Recommended for hard-to-hold tissue samples like bone, brain, breast and skin
- Feature a durable, easy to write, print and read printed white tab
- Printed tab is impervious to virtually all common laboratory chemicals and reagents

SuperFrost Plus and ColorFrost Plus Adhesion Slides

- SuperFrost™ Plus and Colorfrost Plus adhesion slides are designed to secure tissue sections without the need for laboratory-applied coatings
- Slides secure frozen and formalin-fixed, paraffin embedded tissue sections as well as cytology preparations
- Each slide features a chemistry based on silane, although optimized to improve application performance
- Feature a durable, easy to write, print, and read printed tab
- Printed tab is impervious to virtually all common laboratory chemicals and reagents
- Available in a wide variety of colors to ease identification



Markers



Diamond Point Marker

- Writes indelibly on glass
- Mounted in aluminum pencil
- 5" (12.7 cm)

Richard-Allan Scientific Tissue Section Adhesive

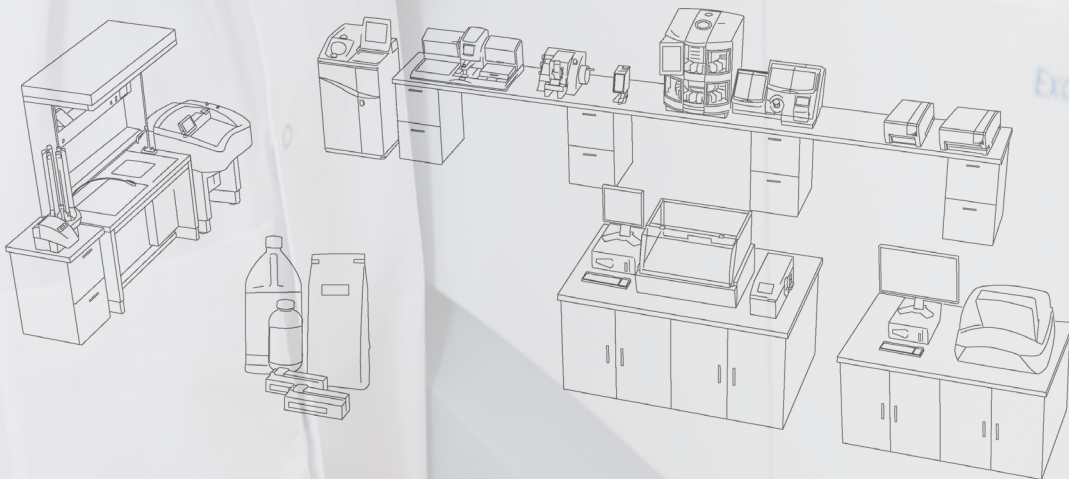
Richard-Allan Scientific Tissue Section Adhesive is pre-mixed and ready-to-use; adhesive will not interfere with staining reactions.

- Use in the water bath to increase the affinity of the tissue for the slide
- Does not create background residue
- Improves adhesion for techniques utilizing heat

| Description | Order Number |
|--|--------------|
| Diamond Point Marker | 750 |
| Richard-Allan Scientific Tissue Section Adhesive | 86014 |

Tissue Processing and Embedding

consistency
in quality



EXCELSOR AS

Consistent, high quality tissue processing

Tissue processing is the foundation to producing reliable results in the Histology laboratory. Epredia tissue processing solutions are designed to efficiently produce high quality paraffin blocks that enable Pathologists to make an accurate diagnosis.

Quality

- Round chamber design to help increase the efficiency of fluid movement (Revos™ tissue processor and Excelsior™ tissue processor only)
- Baskets designed with cassette spacers to allow fluid to easily move in and out of each cassette

Safety

- Downdraft ventilation helps to reduce exposure to harmful and toxic fumes
- Two forms of filtration to handle common reagents (xylene, alcohol, and formalin)
- Unique reagent management design eliminates the need to transfer reagents into secondary vessels

The Total Solution

- Syntri Safeguard consumables, in conjunction with the Revos tissue processor, use RFID technology to track and log reagent usage, helping facilitate the most efficient and safe use of reagents
- Get peace of mind with Epredia extended service contracts that include preventative maintenance and thorough, expedited repairs, ensuring minimal downtime in your laboratory





Revos Tissue Processor

Laboratories are under increasing pressure to speed up processes, reduce costs, and eliminate errors. The Revos™ tissue processor is expressly designed to help overcome these challenges.

Rapid Processing

- Unique, canted chamber enhances the distribution of reagent, reduces tissue processing time, and allows for high-quality processing results

Intelligent Monitoring

- The instrument's intelligent reagent monitoring system tracks and logs reagent usage
- System remembers every bottle loaded, protocol executed, and service performed – allowing laboratories to use reagents more efficiently

Safety and Protection

- Dual-filtration system and down-draft ventilation help protect laboratory staff by controlling both solvent and formalin fumes
- Be ready for unexpected power outages – the on-board battery backup system keeps your samples safe and protocols active for up to three hours

Syntri Enabled

- Syntri Safeguard technology enables the instrument to sense where the 100% processing alcohol is loaded in the system and prevents incorrect replenishment

Enhanced Serviceability

- Advanced remote diagnostic capabilities are available to help minimize downtime and keep your lab running

Physical Specifications

Dimensions (D x W x H):
22.8 x 33.4 x 54 in.
(58 x 85 x 137 cm)

Weight:
363 lbs / 165 kg

Power Requirements

100-240 V, 50-60 Hz

| Description | Order Number |
|-------------------------------------|--------------|
| Revos tissue processor | A84100001 |
| Revos tissue processor (US version) | A84100001ATC |

| Accessories | Order Number |
|--|--------------|
| Formaldehyde (potassium permanganate) filter, 6 / pk | B9990612CS |
| Charcoal filter, 6 / pk | 7411258 |
| Downdraft extraction duct adapter kit | A84110045 |
| Main air system duct adapter kit | A78410024 |
| Storage bottles (5L); 6 / pk | A788410026 |
| Waste wax drawer; 5 / pk | 8300 |
| Organized basket, 6 / pk | A84110031 |
| Mega basket, 6 / pk | A84110032 |
| Level sensor cleaning pad | A78410095 |



5 Liter Reagents – Syntri Safeguard

The accuracy of patient tests often hinges upon proper preparation and consistency in processes throughout the laboratory. When paired with Syntri Service and reagents featuring Syntri Safeguard RFID technology, the Revos tissue processor tracks and logs reagent usage through the Cloud. It remembers every bottle loaded, protocol executed and service performed – helping to reduce downtime and facilitating efficient use of reagents.

You'll need:





Excelsior AS Tissue Processor

When time and money are short, the Excelsior AS™ tissue processor helps overcome these challenges while reducing exposure to hazardous chemicals.

Enhanced tissue quality

- Cassette baskets are gently rotated inside the circular chamber, providing more effective agitation than an impeller
- Reagents can be preheated to up to 35 °C, minimizing tissue shock and facilitating reagent penetration
- Baskets can be used for microwave secondary fixation

Significant reagent cost savings

- By directly measuring the alcohol quality during every run, reagents can be replaced when completely exhausted, reducing waste
- Automatic reagent rotation further extends reagent life using a proven system
- Direct quality measurement and automatic rotation together can lead to reagent savings of 75% or more

Versatile, Efficient Workflow

- Reduce maintenance time by replacing one bottle of each reagent rather than all of them
- New reagents are drawn directly into the processor from the supplier's bottles. No pouring – no mess – no fumes
- Run rapid biopsies during the day and conventional programs overnight

Safe for the tissue – safe for the operator

- When the chamber is opened, a downdraft fan pulls fumes through a filter to protect users from chemical exposure
- Fumes from the cabinet are extracted through filters to protect users from alcohol, xylene, and formaldehyde
- Remove waste paraffin by simply discarding a plastic tray – no paraffin spillage and burns
- Battery back-up protects against power outages
- Compatible with IPA xylene-free processes as well as conventional reagents

Physical Specifications

Dimensions (D x W x H):
23 x 28 x 54 in.
(58 x 71 x 137 cm)

Weight: 363 lbs / 165 kg

Power Requirements

100-240 V, 50-60 Hz

Includes

Basic instrument, reagent vessels, wax baths, processing basket(s), two charcoal filters and instruction manual.

Simple to learn and operate

- The all-new touch screen interface is intuitive and easy to learn
- With intelligent software, it is easier to avoid mistakes that affect tissue quality
- Engineered for reliability and peace of mind

| Description | Order Number |
|-------------------------------|--------------|
| Excelsior AS tissue processor | A82300001 |

| Accessories | Order Number |
|--|--------------|
| Formaldehyde (potassium permanganate) filter, 6 / pk | B9990612CS |
| Charcoal filter, 6 / pk | 7411258 |
| Plastic basket - carrying container, 4 L | B35210007 |
| Reagent bottles (front cabinet), 5 L, 6 / pk | A78410026 |
| Downdraft extraction duct adapter kit | A78410023 |
| Main air system duct adapter kit | A78410024 |



You'll need:



specimen collection



paraffin



five liter reagents



fixation products



dehydrants and clearants



cassettes



STP 120 Spin Tissue Processor

The STP 120 tissue processor is designed to process biological specimens from chemical fixation to wax infiltration. Its unique design uses programmable, gentle centrifugal force to augment the normal vertical agitation process associated with carousel processors.

Customizable for Your Lab

- Immediate and delayed-start processing modes so you can process tissues when it's most convenient
- Cassette baskets spin counterclockwise and clockwise within reagent container to improve processing
- Customizable spin speeds and programmable immersion time in each station to accommodate a variety of specimen types
- Microprocessor unit can maintain up to ten processing programs to save on programming time
- Basket holds up to 120 cassettes
- Save money by reducing reagent carryover through centrifugal spinning of the basket above the reagent vessel

Focused on Safety

- Reagent vessel covers and charcoal-enhanced ventilation help control processing vapors for user safety

Physical Specifications

Dimensions:

Diameter: 33.5 in. (85 cm)

Height: 19.7 - 27.6 in. (50-70 cm)

Weight: 154.3 lbs / 70 kg

Power Requirements

100-120 V, 50/60 Hz, 1.7A

220-240 V, 50/60 HA, 0.9A

Includes

Ventilation system, paraffin baths, and processing basket

| Description | Order Number |
|---|--------------|
| STP 120 Spin tissue processor with two wax baths and processing basket | 813150 |
| STP 120 Spin tissue processor with three wax baths and two processing baskets | 813160 |

You'll need:



specimen collection



paraffin



five liter reagents



fixation products



dehydrants and clearants



cassettes

Specimen and Grossing Containers

Specimen and grossing containers provide convenient fixation of tissue specimens. Designed to be used at full strength and should not require any additives. Made of clear polystyrene or clear polypropylene. Allow for 15 to 20 times the volume of fixation fluid to volume of specimen. Packed in handipacks and/or trays.

| Description | Qty. | Order Number |
|---|------------|--------------|
| Richard-Allan Scientific Prefilled Containers | | |
| 10% NBF 20 mL jar | 192 / case | 59201 |
| 10% NBF 40 mL jar | 96 / case | 51401 |
| 10% NBF 40 mL jar | 168 / case | 59401 |
| 10% NBF 60 mL jar | 96 / case | 51601 |
| 10% NBF 60 mL jar | 126 / case | 59601 |
| 10% NBF 90 mL jar | 120 / case | 59901 |
| 10% NBF 120 mL jar | 90 / case | 591201 |
| 10% NBF 120 mL jar | 96 / case | 511201 |
| 10% Zinc Formalin 20 mL jar | 192 / case | 59201ZF |
| 10% NBF Formalin 20 mL jar with prostate kit #59201 (12-hole) | 192 / case | 29012 |
| 10% Zinc Formalin 40 mL jar | 168 / case | 59401ZF |
| 10% Zinc Formalin 60 mL jar | 126 / case | 59601ZF |
| 10% Zinc Formalin 90 mL jar | 100 / case | 56901 |
| 10% Zinc Formalin 90 mL jar | 120 / case | 51901 |
| 10% Zinc Formalin 120 mL jar | 90 / case | 591201ZF |
| Richard-Allan Scientific Dry Containers | | |
| Dry container 20 mL | 284 / case | 59202 |
| Dry container 40 mL | 216 / case | 59402 |
| Dry container 60 mL | 150 / case | 59602 |
| Dry container 60 mL | 150 / case | 53602 |
| Dry container 90 mL | 125 / case | 59902 |
| Dry container 120 mL | 100 / case | 531202 |
| Dry container 120 mL | 100 / case | 591202 |

| Description | Qty. | Order Number |
|---|------------|--------------|
| Richard-Allan Scientific Signature Series Containers | | |
| 10% NBF 20 mL jar | 384 / case | 56201 |
| 10% NBF 40 mL jar | 216 / case | 56401 |
| 10% NBF 60 mL jar | 144 / case | 56601 |
| 10% NBF 60 mL jar | 150 / case | 53601 |
| 10% NBF 90 mL jar | 125 / case | 53901 |
| 10% NBF 120 mL jar | 75 / case | 561201 |
| 10% NBF 120 mL jar | 100 / case | 531201 |
| Shandon Containers | | |
| Formal-Fixx 20 mL jar | 180 / case | 9990910 |
| Formal-Fixx 60 mL jar | 125 / case | 9990914 |
| Formal-Fixx 90 mL jar | 125 / case | 9990916 |
| Formal-Fixx 120 mL jar | 125 / case | 9990918 |
| Cytospin Collection Fluid 120 mL jar | 125 / case | 9990323 |
| Glyo-Fixx™ 20 mL jar | 180 / case | 9990920 |
| Glyo-Fixx 60 mL jar | 125 / case | 9990924 |
| Glyo-Fixx 120 mL jar | 125 / case | 9990928 |
| Mucolexx 120 mL jar | 50 / case | 9990375 |

Paraffin



Designed to suit all histological applications, including accommodations for rapid infiltration, extra-thin sectioning, and hard/fibrous tissue. Resealable bags are designed to stand-up for easy storage and to reduce the chance of countertop spillage.

| Name | Item number | Unit of measure | Description | Melting Point | Infiltration | Embedding |
|---------------------|-------------|----------------------|--|----------------------------|--------------|-----------|
| Histoplast | 6774006 | 1 x 2.5 Kg (5.5 lbs) | Non-polymer paraffin for use in infiltration and embedding | 55-57 °C (131-135 °F) | x | x |
| Histoplast | 677060 | 1 x 10 Kg (22 lbs) | | | | |
| Histoplast Kit | 6774006K | 5 x 1 Kg (2.2 lbs) | Used for Excelsior and Revos tissue processors | 55-57 °C (131-135 °F) | x | x |
| Histoplast PE | 8330 | 8 x 1 Kg (2.2 lbs) | Can be used in both infiltration and embedding procedures | 56 °C (133 °F) | x | x |
| Histoplast PE Kit | 8330K | 5 x 1 Kg (2.2 lbs) | Used for Excelsior and Revos tissue processors | 56 °C (133 °F) | x | x |
| Histoplast IM | 8331 | 8 x 1 Kg (2.2 lbs) | Utilizes DMSO to help infiltrate larger tissues, making ideal for tissues such as whole kidney | 56 °C (133 °F) | x | |
| Histoplast IM Kit | 8331K | 5 x 1 Kg (2.2 lbs) | Used for Excelsior and Revos tissue processors | 56 °C (133 °F) | x | |
| Histoplast LP | 8332 | 8 x 1 Kg (2.2 lbs) | Lower melting point to help reduce the chance of distortion on small and friable tissue | 50-54 °C (122 - 129 °F) | x | x |
| Histoplast LP Kit | 8332K | 5 x 1 Kg (2.2 lbs) | Used for Excelsior and Revos tissue processors | 50-54 °C (122 - 129 °F) | x | x |
| Paraffin Type 1 | 8334 | 10 x .9 Kg (2 lbs) | Low polymer wax designed for the infiltration of tissue | 55-57 °C (131-135 °F) | x | |
| Paraffin Type 1 Kit | 8334K | 10 x .9 Kg (2 lbs) | Used for Excelsior and Revos tissue processors | 55-57 °C (131-135 °F) | x | |

| Name | Item Number | Unit of Measure | Description | Melting Point | Infiltration | Embedding |
|-------------------|-------------|---------------------|--|-------------------------|--------------|-----------|
| Paraffin Type 3 | 8335 | 10 x .9 Kg (2 lbs) | Low polymer wax designed for the infiltration of tissue | 55 - 57 °C (131-135 °F) | x | |
| Paraffin Type 6 | 8336 | 10 x .9 Kg (2 lbs) | Specially formulated wax without polymer but is still stable enough to use in infiltration and embedding | 55-57 °C (131-135 °F) | x | x |
| Paraffin Type 9 | 8337 | 10 x .9 Kg (2 lbs) | High polymer. Ideal for sectioning tissues at 2 microns | 55-57 °C (131-135 °F) | | x |
| Paraffin Type H | 8338 | 10 x .9 Kg (2 lbs) | Ideally suited for both infiltration and embedding | 55-57 °C (131-135 °F) | x | x |
| Paraffin Type L | 8339 | 10 x .9 Kg (2 lbs) | Low polymer paraffin for use with small tissue | 55-57 °C (131-135 °F) | x | x |
| Precision Cut | B1002490 | 10 x 1 Kg (2.2 lbs) | Good for both infiltration and embedding | 56 °C (133 °F) | x | x |
| Precision Cut Kit | B1002490K | 5 x 1 Kg (2.2 lbs) | Used for Excelsior and Revos tissue processors | 56 °C (133 °F) | x | x |

Parapel™ Paraffin Repellent

Protect against excess buildup of wax on countertops and instrumentation.

11 oz (325 mL) | 12 / case

| Description | Quantity | Order Number |
|----------------------------------|----------|--------------|
| Parapel paraffin repellent 50 mL | ea. | 2300 |

5 Liter Reagents – Syntri Safeguard

The accuracy of patient tests often hinges upon proper preparation and consistency in processes throughout the laboratory. When paired with Syntri Service and reagents featuring Syntri Safeguard RFID technology, the Revos tissue processor tracks and logs reagent usage through the Cloud. It remembers every bottle loaded, protocol executed and service performed – helping to reduce downtime and facilitating efficient use of reagents.



| Description | Order Number |
|---|--------------|
| Syntri Safeguard 10% Neutral Buffered Formalin, 4 x 5 L | 5735SS |
| Syntri Safeguard Pen-Fix, 4 x 5 L | 6115SS |
| Syntri Safeguard Dehydrant 100%, 4 x 5 L | 6215SS |
| Syntri Safeguard Xylene, 4 x 5 L | 6615SS |
| Syntri Safeguard Clear-Rite 3, 4 x 5 L | 6915SS |
| Syntri Safeguard Flex 100, 4 x 5 L | 8115SS |
| Syntri Safeguard Isopropyl Alcohol, 4 x 5 L | 9617SS |
| Syntri Safeguard Formal-Fixx, 4 x 5 L | 6764215SS |
| Shandon Syntri Safeguard Xylene Substitute, 4 x 5 L | 6764515SS |

Syntri Safeguard Pairs With Revos Tissue Processor

When used in conjunction with Syntri Safeguard consumables, the Revos tissue processor has the power to track every last drop of reagent used in the system. Syntri Safeguard technology enables the instrument to sense where the 100% processing alcohol is loaded in the system and prevents incorrect replenishment.

Find out more about the revolutionary Revos tissue processor on [page 26](#).



Epredia Fixation Products



Neutral Buffered Formalin 10%

- Richard-Allan Scientific Neutral Buffered Formalin (NBF) 10% is a premixed AFIP formulated product that reduces exposure to toxic fumes
- Phosphate buffers are used to stabilize the pH between 6.8 and 7.2
- Stringent quality control ensures a formalin concentration of 10%
- Stable to freezing temperatures
- Concentrate reduces storage space
- One gallon of concentrate to four gallons of distilled or deionized water ensures consistent results with those of the premixed 10% NBF

| Description | Size | Qty. | Order Number |
|--------------------------------|------------------|----------|--------------|
| Concentrated | | | |
| Bottle | 1 gal (3.8 L) | 4 / case | 5700 |
| Pre-Mixed, Ready to Use | | | |
| Bottle | 1 gal (3.8 L) | 4 / case | 5701 |
| Bottle | 1.32 gal (5 L) | 4 / case | 5735 |
| Cubitainer | 5 gal (5 L) | ea. | 5705 |
| Cubitainer | 2.5 gal (9.48 L) | ea. | 5725 |
| Drum | 9.5 gal (208 L) | ea. | 5755 |

Formaldehyde 37%

- Richard-Allan Scientific Formaldehyde 37% is for use in histological applications to fix and store tissue specimens
- Easy-to-pour container minimizes splashing and reduces spills
- Unbuffered

| Description | Size | Qty. | Order Number |
|-------------|---------------|----------|--------------|
| Bottle | 1 gal (3.8 L) | 4 / case | 9311 |

Zinc Formalin 10%

- Richard-Allan Scientific Buffered Zinc Formalin is for use in immunohistochemistry techniques to enhance nuclear detail
- Easy-to-pour bottle helps reduce spills

| Description | Size | Qty. | Order Number |
|-------------|----------------|----------|--------------|
| Bottle | 1 gal (3.8 L) | 4 / case | 5701ZF |
| Cubitainer | 5 gal (18.9 L) | ea. | 5705ZF |

Zinc Formalin, Unbuffered 10%

- Richard-Allan Scientific Unbuffered Zinc Formalin can be used as an alternative for 10% formalin
- Easy-to-pour bottle helps reduce spills and splashing
- Does not contain mercury

| Description | Size | Qty. | Order Number |
|-------------|---------------|----------|--------------|
| Bottle | 1 gal (3.8 L) | 4 / case | 7600 |

Signature Series Pen-Fix

- Richard-Allan Scientific™ Signature Series™ Pen-Fix™ is a uniquely buffered alcoholic formalin fixative
- Excellent frozen section fixative
- Performs well with fatty or thick tissue sections
- Fixation and dehydration occur simultaneously and the penetration rate is three times faster than that of 10% neutral buffered formalin
- Can be used in all open or enclosed tissue processors and in the grossing room
- Recommended for use in the second and/or third stations of the processor as a secondary fixative

| Description | Size | Qty. | Order Number |
|-------------|----------------|----------|--------------|
| Bottle | 1 gal (3.8 L) | 4 / case | 6101 |
| Bottle | 1.3 gal (5 L) | 4 / case | 6115 |
| Cubitainer | 5 gal (18.9 L) | ea. | 6105 |

Richard-Allan Scientific Carson's Modified Buffered Formalin

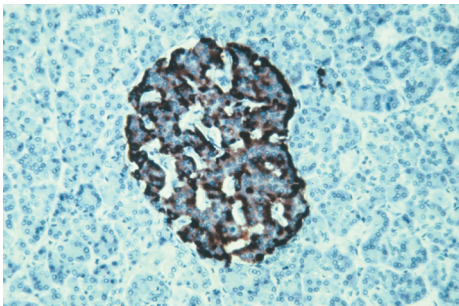
- Richard-Allan Scientific Carson's Modified Buffered Formalin is an excellent general-use fixative
- Performs similarly to 10% neutral buffered formalin
- Use for electron microscopy specimens

| Description | Size | Qty. | Order Number |
|-------------|----------------|------|--------------|
| Cubitainer | 5 gal (18.9 L) | ea. | 57141 |

Bouin's Fluid

- Richard-Allan Scientific Bouin's Fluid is a saturated, aqueous picric acid solution
- Excellent for use in Trichrome staining procedures
- Use to preserve structures with soft and delicate textures and for gastrointestinal tract specimens

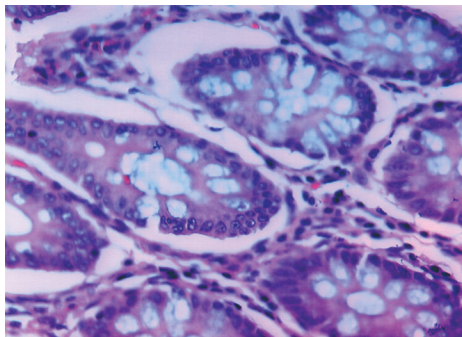
| Description | Size | Qty. | Order Number |
|-------------|---------------|------|--------------|
| Bottle | 1 gal (3.8 L) | ea. | 57211 |



Shandon Glyo-Fixx

- Shandon™ Glyo-Fixx™ is a non-carcinogenic, non-sensitizing, and environmentally friendly substitute for formalin. The active ingredient, glyoxal, is a di-aldehyde, which has almost no vapor and is used with the same protocols as formalin
- Glyo-Fixx allows higher antibody dilutions and works well with conventional special stains including silver procedures, Schmorl's for reducing substances, PAS, Alcian blue, Mucicarmine, Verheoff-Van Gieson for elastin, and Trichrome
- Offers results superior to neutral buffered formalin - produces distinct, crisp cellular morphology
- No unpleasant smell or cross linking as with formaldehyde - fixes most antigens without impairing immuno-reactivity
- Allows special stain dyes to be sharp without background staining
- Presents fine detail in specimen structure

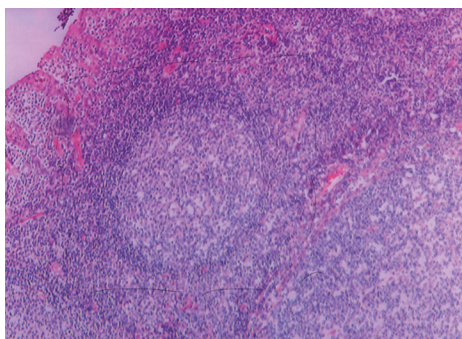
| Description | Size | Qty. | Order Number |
|--------------------------------|-----------------|------------|--------------|
| Concentrated | | | |
| Container | 3.8 L | ea. | 6764265 |
| Pre-Mixed, Ready to Use | | | |
| Bottle | 1 gal (3.8 L) | ea. | 6764262 |
| Cubitainer | 19 L | ea. | 6764260 |
| Pre-filled containers | | | |
| 20 mL containers | filled to 10 mL | 180 / case | 9990920 |
| 60 mL containers | filled to 30 mL | 125 / case | 9990924 |
| 90 mL containers | filled to 45 mL | 125 / case | 9990926 |
| 120 mL containers | filled to 60 mL | 125 / case | 9990928 |



Shandon Formal-Fixx

- Shandon Formal-Fixx produces consistent results and extends the life of the rotary valve in tissue processors
- Phosphate-free, 10% neutral buffered formalin
- Stores all specimens without excessive shrinking or hardening
- Use for storage of all tissue – eliminates presorting of EM specimens
- Available pre-filled, ready-to-use, or in economical concentrate - just add water or alcohol
- Concentrate is not affected by freezing, reduces shelf space and is less expensive to ship
- Pre-filled, leak-resistant containers are packed in sturdy trays for courier transport

| Description | Size | Qty. | Order Number |
|--------------------------------|--------------------|------------|--------------|
| Concentrated | | | |
| Container | 3.8 L (makes 19 L) | ea. | 6764254 |
| Container | 1 L (makes 5 L) | 2 / case | 9990244 |
| Pre-Mixed, Ready to Use | | | |
| Cubitainer | 19 L | ea. | 6764240 |
| Cubitainer | 10 L | 2 / case | 9990234 |
| Pre-filled containers | | | |
| 20 mL containers | filled to 10 mL | 180 / case | 9990910 |
| 60 mL containers | filled to 30 mL | 125 / case | 9990914 |
| 90 mL containers | filled to 45 mL | 125 / case | 9990916 |
| 120 mL containers | filled to 60 mL | 125 / case | 9990918 |



Shandon Zinc Formal-Fixx

Shandon™ Zinc Formal-Fixx™ is a fixative of choice to enhance H&E's and special stains.

- Excellent for immunochemistry
- Minimizes the need for enzyme digestion
- Reduces protein cross-linking, producing well-defined nuclear detail

| Description | Size | Qty. | Order Number |
|--------------------------------|--------------------|----------|--------------|
| Concentrated | | | |
| Container | 3.8 L (makes 19 L) | ea. | 6764255 |
| Container | 1 L (makes 5 L) | 2 / case | 9990245 |
| Pre-Mixed, Ready to Use | | | |
| Cubitainer | 19 L | ea. | 6764240 |

Shandon Rapid-Fixx Formalin

- Used in Rapid-Chrome Frozen Section Stain Kit (9990001) for fixing slides from frozen sections.

| Description | Size | Qty. | Order Number |
|-------------|----------------|----------|--------------|
| Bottle | 0.26 gal (1 L) | 4 / case | 6764212 |

Vytac

- Richard-Allan Scientific™ Vytac™ Formalin Disposal System is a simple, safe and economical disposal system for 10% buffered or unbuffered formalin, including zinc formalin
- Eliminates the need for expensive waste hauling and on-site permits
- Solution breaks down formalin into inert components and, when used as directed, neutralizes more than 99% of the waste formalin collected
- If local regulations allow for drain disposal, pH adjustment will be required
- One part Vytac solution neutralizes four parts formalin waste
- Vytac GNF will neutralize glutaraldehyde

Starter Kit includes: Vytac 1 gal / (3.8 L), reservoir with lid, measuring cup and plastic stir rod.

| Description | Size | Qty. | Order Number |
|-------------|----------------|----------|--------------|
| Starter kit | --- | ea. | 5402 |
| Vytac GNF | 1 gal (3.8 L) | ea. | 5408 |
| Vytac ACX | 0.26 gal (1 L) | ea. | 5409 |
| Vytac | 1 gal (3.8 L) | 4 / case | 5401 |
| Vytac | 5 gal (18.9 L) | ea. | 5405 |

Cal-Rite

- Richard-Allan Scientific™ Cal-Rite™ is a mixture of formic acid and formaldehyde which allows simultaneous decalcification and fixation.
- Reduces poor hematoxylin and eosin staining caused by over-decalcification and/or exposure to harsh mineral acids
- Even after prolonged exposure of specimens in Cal-Rite, nuclear chromatin staining is well preserved and not distorted

| Description | Size | Qty. | Order Number |
|-------------|-----------------|------|--------------|
| Bottle | 1 gal (3.8 L) | ea. | 5501 |
| Bottle | 2.5 gal (9.5 L) | ea. | 5525 |

Decalcifying Solution

- Decalcifying Solution is formulated to remove calcium from histological specimens. EDTA and dilute hydrochloric acid in this solution require no heat, electricity, or other aids to decalcify bone tissue
- Offers rapid decalcification without destroying nuclear properties of the tissue

| Description | Size | Qty. | Order Number |
|-------------|----------------|----------|--------------|
| Bottle | 32 oz (0.94 L) | 6 / case | 8340 |
| Cubitainer | 1 gal | 4 / case | 8340-1 |



Shandon TBD-1 Decalcifier

- Shandon™ TBD-1™ Decalcifier is a rapid hydrochloric decalcifier for processing bone marrow biopsies in as little as 15 to 30 minutes
- Thin pieces of bone process in 3 to 12 hours
- Added ingredients protect cells from actions of acids

| Description | Size | Qty. | Order Number |
|-------------|----------------|----------|--------------|
| Bottle | 0.26 gal (1 L) | 2 / case | 6764001 |
| Bottle | 0.26 gal (1 L) | 4 / case | 6764002 |



Shandon TBD-2 Decalcifier

- Shandon TBD-2™ Decalcifier is a formic acid decalcifier for gentler, longer-term processing
- Added ingredients protect cells from actions of acids

| Description | Size | Qty. | Order Number |
|-------------|----------------|----------|--------------|
| Bottle | 0.26 gal (1 L) | 2 / case | 6764003 |
| Bottle | 0.26 gal (1 L) | 4 / case | 6764004 |

Richard-Allan Scientific Dehydrants



Richard-Allan Scientific Signature Series Flex 100, 95, 80

- Richard-Allan Scientific™ Signature Series™ Flex™, 100, 95 and 80 provides gentle dehydration while demonstrating brilliant cytoplasmic staining
- Formulation of methyl and isopropyl alcohol
- Minimizes over-dehydration in smaller biopsies
- Excellent for lipid extraction, allowing for increased paraffin infiltration
- Excellent dye solvent for special stains

| Description | Size | Qty. | Order Number |
|-----------------|----------------|----------|--------------|
| Flex 100 | | | |
| Bottle | 1 gal (3.8 L) | 4 / case | 8101 |
| Bottle | 1.3 gal (5 L) | 4 / case | 8115 |
| Metal pail | 5 gal (18.9 L) | ea. | 8105 |
| Drum | 55 gal | ea. | 8155 |
| Flex 95 | | | |
| Bottle | 1 gal (3.8 L) | 4 / case | 8201 |
| Bottle | 1.3 gal (5 L) | 4 / case | 8215 |
| Metal pail | 5 gal (18.9 L) | ea. | 8205 |
| Flex 80 | | | |
| Bottle | 1 gal (3.8 L) | 4 / case | 8301R |



Richard-Allan Scientific Dehydrant 100%, 95%, 80%, 70%

Richard-Allan Scientific Dehydrant 100%, 95%, 80% and 70% is a denatured ethyl alcohol reagent specifically designed for processing and staining of histological and cytological specimens.

- Blend of ethyl, methyl and isopropyl alcohols
- Can be used as a dye or stain solvent

| Description | Size | Qty. | Order Number |
|-------------|----------------|----------|--------------|
| 100% | 1 gal (3.8 L) | 4 / case | 6201 |
| 100% | 1.3 gal (5 L) | 4 / case | 6215 |
| 100% | 55 gal (208 L) | ea. | 6255 |
| 95% | 1 gal (3.8 L) | 4 / case | 6301 |
| 95% | 1.3 gal (5 L) | 4 / case | 6315 |
| 95% | 55 gal (208 L) | ea. | 6355 |

| Description | Size | Qty. | Order Number |
|-------------|---------------|----------|--------------|
| 80% | 1 gal (3.8 L) | 4 / case | 6401 |
| 80% | 1.3 gal (5 L) | 4 / case | 6415 |
| 70% | 1 gal (3.8 L) | 4 / case | 6501 |
| 70% | 1.3 gal (5 L) | 4 / case | 6515 |
| 60% | 1.3 gal (5 L) | 4 / case | 7515 |



Richard-Allan Scientific Signature Series Clear-Rite 3

- Richard-Allan Scientific™ Signature Series™ Clear-Rite 3™ is a unique blend of isoparaffinic aliphatic hydrocarbons for tissue processing and staining
- Excellent lipid extraction during tissue processing
- Renders deparaffinization and clearing during the staining process
- Does not produce hard or brittle specimens, even after prolonged exposure
- Use in all tissue processors and automatic stainers
- Benzene-free
- Very low odor

| Description | Size | Qty. | Order Number |
|-------------|----------------|----------|--------------|
| Bottle | 1 gal (3.8 L) | 4 / case | 6901 |
| Bottle | 1.32 gal (5 L) | 4 / case | 6915 |

Shandon Xylene Substitute

- Shandon Xylene Substitute is a safer, more convenient alternative to xylene for processing, staining and coverslipping
- Airborne exposure limit three times safer than xylene (TLV 300ppm)
- Virtually odorless aliphatic hydrocarbon – no citrus aroma
- Not sensitizing to normal skin
- Evaporation rate similar to xylene – slides dry quickly
- Grease-less
- Can be recycled with solvent recyclers

| Description | Size | Qty. | Order Number |
|-------------|----------------|----------|--------------|
| Bottle | 1.06 gal (4 L) | ea. | 9990505 |
| Bottle | 1.06 gal (4 L) | 4 / case | 6764506 |
| Bottle | 1.3 gal (5 L) | 4 / case | 6764515 |
| Metal pail | 5 gal (18.9 L) | ea. | 9990507 |
| Drum | 55 gal (208 L) | ea. | 9990509 |

Citrus Clearing Solvent

- Citrus Clearing Solvent is a clearing solvent that is a highly effective xylene substitute
- Use as a direct replacement for xylene in both manual or automated system applications
- D-limonene-based solvent has a slight citrus scent
- Higher flash point eliminates the need for storage in a flammable safety cabinet

| Description | Size | Qty. | Order Number |
|-------------|---------------|----------|--------------|
| Bottle | 1 gal (3.8 L) | 4 / case | 8301 |

Richard-Allan Scientific Xylene

- Richard-Allan Scientific Xylene is used for all tissue processors and automatic stainers
- Strict quality assurance, including gas chromatography, is performed on each lot to guarantee a consistent product
- Offers superior lipid extraction, optimal paraffin infiltration and excellent deparaffinization and clearing during staining
- Contains the lowest level of benzene, a known carcinogen

| Description | Size | Qty. | Order Number |
|-------------|----------------|----------|--------------|
| Bottle | 1 gal (3.8 L) | 4 / case | 6601 |
| Bottle | 1.32 gal (5 L) | 4 / case | 6615 |

Richard-Allan Scientific Toluene

- Packaged in high-density polyethylene
- Easy-to-pour container can reduce spills when pouring

| Description | Size | Qty. | Order Number |
|-------------|----------------|----------|--------------|
| Bottle | 1 gal (3.8 L) | 4 / case | 9711 |
| Metal pail | 5 gal (18.9 L) | ea. | 9715 |

Histostar Embedding Center



The Histostar™ Embedding Center is designed to enhance user comfort and increase work productivity, allowing for a seamless transition from tissue processing to microtomy.

Cool and Contoured

- All user contact points are smooth and insulated providing a cool and comfortable workspace. The casework has been precision sculpted to avoid pressure points and uncomfortable heated areas
- Cool LED lighting provides specimen illumination at five user-selectable intensities, without the clutter of awkward remote lighting. A low-profile dispense head further enhances specimen visibility

High capacity Throughput

- With its large-capacity tissue storage tank, the HistoStar is capable of accepting baskets from any tissue processor. The five-liter paraffin reservoir is one of the largest basket storage compartments, and along with the large area cold plate, has been designed for maximum productivity in the busiest of laboratories
- Any sample size can be handled with ease. A simple adjustment moves the dispensing paddle to accommodate the samples you are working with. Even Super Mega™ cassettes from Epredia can be embedded. Two different nozzle lengths allow for adaptation to personal convenience
- Large easy to read touch screen display allows quick access to the precise temperature controls and other parameters. Programmable “sleep” mode saves energy and accommodates user workflow
- Integrated ParaTrimmer™ – excess paraffin can be removed during the embedding process without scraping
- Adjustable cold plate with variable temperature +/- 5 °C. Holds up to 72 blocks at a time

Physical Specifications

Dimensions:

Embedding module (D x W x H):
23 x 25.5 x 17 in.
(58.7 x 65 x 43 cm)

Cold module (D x W x H):
23 x 17 x 14.5 in.
(58.5 x 43 x 36.5 cm)

Weight:

Embedding module: 55.12 lbs / 25 kg

Cold module: 44.10 lbs / 20 kg

Wax reservoir capacity: 5 L

Temperatures

Wax reservoir: 50-70 °C

Cold spot: 5 °C

Hot spot: 50-70 °C

Tissue storage: 50-70 °C

Mold storage: 50-70 °C

Cold plate: Adjustable, -12 to -5 °C

| Description | Order Number |
|--|--------------|
| HistoStar Instrument (Complete) | |
| 100-120 V, 50/60 Hz | A81000002 |
| 220-140 V, 50/60 Hz | A81000001 |
| Embedding Module | |
| 100-240 V, 50/60 Hz | A81000007 |
| HistoStar Cold Module | |
| 100-120 V, 50/60 Hz | A81000005 |
| 220-240 V, 50/60 Hz | A81000004 |

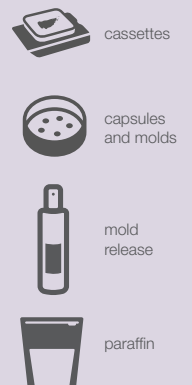
| Accessories | Order Number |
|--|--------------|
| Tamping tools kit, 2 / pk (1 x 20 mm; 1 x 12 mm) | A81010030 |
| Spatula kit, 2 / pk | A81010031 |
| Cassette lid storage cover | A81010026 |
| Magnifier assembly | A81010032 |
| Foot switch | AP16629 |
| Heated forceps, red, 1 mm tip | A81010033 |
| Heated forceps, yellow, 2 mm tip | A81010034 |
| Heated forceps, blue, 4 mm tip | A81010035 |
| Document holder kit | A81010036 |



Paraffin

Enhance the use of your Histostar embedding center with a wide variety of Epredia paraffin. With dozens of varieties, find the best paraffin for your tissue type to produce the highest quality sections.

You'll need:



Cassettes

The entire range of cassettes has been redesigned for better performance – both in printing and in laboratory processes.

- The all-new surface finish and reinforced print faces are built to optimize print quality when used with PrintMate AS cassette printers
- All-new PrintMate AS-compatible tubes are precisely engineered to reduce jamming and prevent downtime
- Opening and closing forces have been carefully adjusted for ease of use, while safeguarding valuable specimens during processing
- All cassette designs have been comprehensively validated for print quality, processing quality, and reliability in embedding and sectioning
- New 12-color range selected for scanning reliability



PrintMate Embedding Cassette

- Pore style: Round holes
- For routine specimens
- Lid hinge: Reversible



PrintMate Slotted Cassette

- Pore style: Slotted
- For routine specimens
- Lid hinge: Reversible



Thinline Slotted Cassette

- Pore style: Slotted
- For routine specimens
- Lid hinge: Front edge



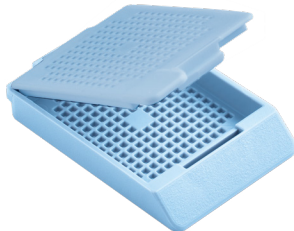
Slotted Cassette 2

- Pore style: Slotted
- For routine specimens
- Lid hinge: Front edge



TissueLoc™ Cassette (Cassette IV)

- Pore style: Slotted
- For routine specimens
- Lid hinge: Back edge
- Large tab for easy opening



PrintMate Biopsy Cassette

- Pore style: Small squares
- For biopsy specimens
- Lid hinge: Reversible



Thinline Biopsy Cassette

- Pore style: Small square
- For biopsy specimens
- Lid hinge: Front edge



Biopsy Cassette 2

- Pore style: Small square
- For biopsy specimens
- Lid hinge: Front edge



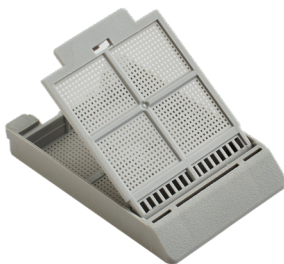
TissueLoc Biopsy Cassette (Cassette IV)

- Pore style: Small square
- For biopsy specimens
- Lid hinge: Back edge
- Large tab for easy opening



HistoScreen™ Cassette

- Pore style: Mesh
- For very small biopsy specimens
- Eliminates need for sponges or bags
- Lid hinge: Back edge



Fine Pore Cassette

- Pore style: Small holes
- For very small biopsy specimens
- Lid hinge: Front edge

| Accessories | Order Number |
|---|--------------|
| PrintMate Embedding Cassette | |
| 1,000 cassettes, loose, with no lids – for use with metal lids | B851040 |
| 750 cassettes, 10 tubes of 75 cassettes, with no lids – for use with metal lids | B851010 |
| 1,000 cassettes, loose, with loose-packed lids | B851070 |
| 750 cassettes, 10 tubes of 75 cassettes, with loose-packed lids | B851100 |
| Metal lids for cassettes | 1001003 |
| PrintMate Slotted Cassette | |
| 1,000 cassettes, loose, with loose-packed lids | B851090 |
| 750 cassettes, 10 tubes of 75 cassettes, with loose-packed lids | B851120 |
| Thinline Slotted Cassette | |
| 750 cassettes, 10 tubes of 75 cassettes, with color-matched, attached lids | B851736 |
| Slotted Cassette 2 | |
| 1,000 cassettes, loose, with attached lids | B851739 |
| 750 cassettes, 10 tubes of 75 cassettes, with loose-packed lids | B851729 |
| TissueLoc Cassette (Cassette IV) | |
| 1,000 cassettes, loose, with attached lids | B851954 |
| 750 cassettes, 10 tubes of 75 cassettes, with loose-packed lids | B851720 |

| Accessories | Order Number |
|--|--------------|
| PrintMate Biopsy Cassette | |
| 1,000 cassettes, loose, with attached lids | B851080 |
| 750 cassettes, 10 tubes of 75 cassettes, with loose-packed lids | B851110 |
| Thinline Biopsy Cassette | |
| 750 cassettes, 10 tubes of 75 cassettes, with color-matched, attached lids | B851737 |
| Biopsy Cassette 2 | |
| 1,000 cassettes, loose, with attached lids | B851738 |
| 750 cassettes, 10 tubes of 75 cassettes, with loose-packed lids | B851730 |
| TissueLoc Biopsy Cassette (Cassette IV) | |
| 1,000 cassettes, loose, with attached lids | B851925 |
| 750 cassettes, 10 tubes of 75 cassettes, with loose-packed lids | B851750 |
| Epredia HistoScreen Cassette | |
| 1,000 cassettes, loose, with attached lids | B851000 |
| 750 cassettes, 10 tubes of 75 cassettes, with loose-packed lids | B851001 |
| Epredia Fine Pore Cassette | |
| 1,000 cassettes, loose, with color-matched, attached lids | B851735 |
| 750 cassettes, 10 tubes of 75 cassettes, with color-matched, loose-packed lids | B851734 |

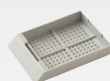
Ordering is easy.

Simply select your cassette and configuration number above, add the two digit color code from below.

Example: Light Green TissueLoc Biopsy Cassette in tubes = B851750LG



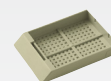
WH
White



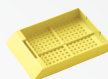
GY
Grey



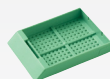
TN
Tan



BE
Beige



YW
Yellow



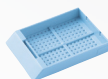
GN
Green



LG
Light Green



LA
Lavender



BL
Blue



LI
Lilac



PK
Pink



OR
Orange

Capsules and Molds



Tissue Processing Capsule

Tissue Processing Capsule is constructed of stainless steel.

- Five sturdy lugs grasp the base securely
- Stainless-steel capsule can be partitioned up to four sections
- Partition separators sold separately

Physical Specifications

Dimensions: (O.D. x D): 1.46 x 0.24 in. (37 x 6 mm)



Standard Cassette

Standard Cassette is constructed of stainless steel.

Physical Specifications

Dimensions: (O.D. x D): 1.58 x 0.276 in. (40 x 7 mm)

Expandable to 0.43 in. (11 mm)



Micro-Cassette

Micro-Cassette is constructed entirely of stainless steel.

- Positive clip-on cover for micro specimen
- Available with fine or coarse mesh

Physical Specifications

Dimensions: (O.D. x D): 0.79 x 0.197 in. (20 x 5 mm)



Large Cassette

Large Cassette is constructed of stainless steel.

- Flexible snap cover is easily attached and removed

Physical Specifications

Dimensions (D x W x L): 0.47 x 0.98 x 1.97 in. (12 x 25 x 50 mm)

Disposable Base Molds and Embedding Rings

Richard-Allan Scientific Disposable Base Molds and Embedding Rings are designed for use with all standard-size cassettes and embedding rings.

- Molded from rigid plastic, the block design provides greater base support and a smaller cutting surface
- Cleaning associated with metal molds is not required
- Transparency facilitates tissue orientation



Disposable Base Molds

Base Molds are made of rigid, transparent plastic. These molds promote rapid paraffin hardening.



Stainless Steel Base Molds

- High-quality, durable molds
- Sizes fit most cassettes
- Superior thermal exchange
- Rounded corners

Super Mega Stainless Steel Base Molds

- High-quality, durable molds
- Fits SuperMega cassettes
- Superior thermal exchange
- Rounded corners



Peel-A-Way™ Disposable Embedding Molds

Made of rigid, transparent plastic, these molds promote rapid paraffin hardening.

Tissue Processing and Embedding



Base Mold Release

Release sprays are used to coat base molds for easy separation of paraffin from mold.

- Help reduce paraffin buildup on the molds
- Environmentally safe product is ready-to-use
- Non-aerosol pump spray bottle

4 oz. (118 mL) | 12 / case

| Description | Qty. | Order Number |
|--|-------------------------|--------------|
| Standard Cassette | | |
| Standard cassette | ea. | 339 |
| Micro-Cassette | | |
| Fine mesh | ea. | 33124 |
| Large Cassette | | |
| Large cassette | ea. | 349 |
| Disposable Base Molds and Embedding Rings | | |
| Base mold, 7 x 7 mm | 125 / box, 4 box / case | 58949 |
| Base mold, 15 x 15 mm | 125 / box, 4 box / case | 58950 |
| Base mold, 24 x 24 mm | 125 / box, 4 box / case | 58951 |
| Base mold, 30 x 24 mm | 125 / box, 4 box / case | 58952 |
| Base mold, 37 x 24 mm | 125 / box, 4 box / case | 58953 |
| Embedding ring, white | 250 / box, 4 box / case | 58993 |

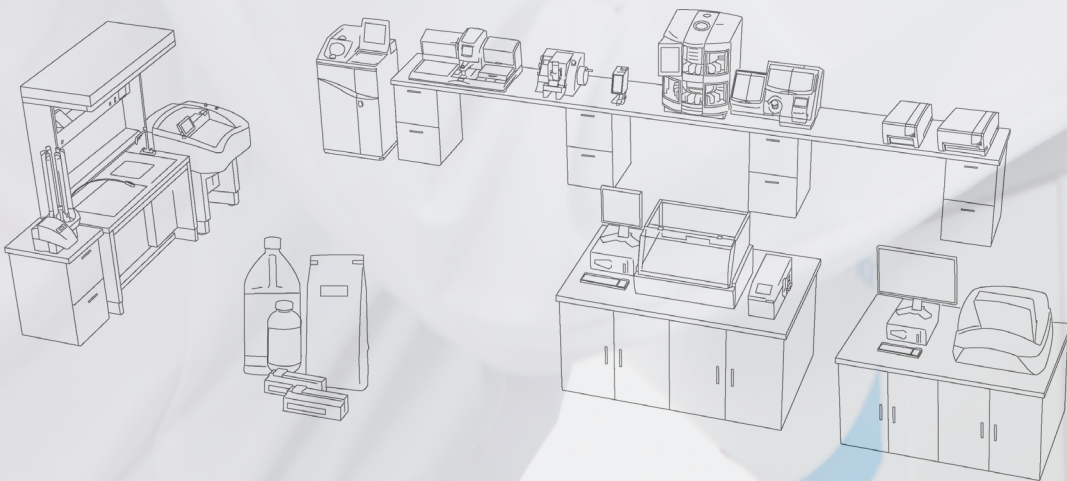
| Description | Qty. | Order Number |
|--|-----------|--------------|
| Richard Allan Scientific Base Mold Release | 12 / case | 6600 |
| Parapet paraffin repellent 50 mL | ea. | 2300 |

| Description | Qty. | Order Number |
|--|---------------------|--------------|
| Disposable Base Molds | | |
| 7 x 7 mm molds | 125 / box, 4 / case | 41740 |
| 15 x 15 mm molds | 125 / box, 4 / case | 41741 |
| 24 x 24 mm molds | 125 / box, 4 / case | 41742 |
| 30 x 24 mm molds | 125 / box, 4 / case | 41743 |
| 37 x 24 mm molds | 125 / box, 4 / case | 41744 |
| Stainless Steel Base Molds | | |
| 10 x 10 x 5 mm | 10 / pk. | 6401015 |
| 24 x 24 x 5 mm | 10 / pk. | 6401017 |
| 30 x 24 x 9 mm | 10 / pk. | 6401017 |
| 37 x 27 x 9 mm | 10 / pk. | 6401018 |
| Peel-A-Way Disposable Embedding Molds | | |
| 12 x 12 x 20 mm | 288 / case | 1220 |
| 22 x 22 x 20 mm | 288 / case | 2219 |
| 30 x 22 x 20 mm | 288 / case | 1830 |
| 40 x 22 x 20 mm | 288 / case | 1841 |



Cryotomy

built for
speed



Experience speed, accuracy, and safety

When it comes to urgent biopsies, getting accurate results to the operating room as quickly as possible is essential in maintaining excellent patient care. Cryostats from EpreDia, along with blades, marking dyes, and other consumables, are designed to get the job done.

Speed

- Ability to save and repeat preferences, such as section thickness and temperature, to reduce waiting time for rush biopsies
- Each model features an integrated quick-freeze Peltier device that freezes tissue rapidly for quicker, smoother cutting, helping you get to a diagnosis faster

Accuracy

- Manual and motorized (NX70 only) sectioning options allow for precise control and premium quality sections
- Intuitive touch screen software designed for ease of use, minimizing the risk for error

Safety

- Optional disinfection features
- Ergonomic band and integrated arm rest controls (NX70 and NX50 only)
- Height adjustable from a sitting or standing position for added user comfort (NX70 and NX50 only)

The Total Solution

- EpreDia blades designed to cut thin, wrinkle-free sections for analysis
- Line of tissue marking dyes specifically formulated for use with frozen sections
- Get peace of mind with EpreDia extended service contracts that include preventative maintenance and thorough, expedited repairs, ensuring minimal downtime in your laboratory



Cryostat Range and Selection Guide

With three different cryostat options for your lab, rest-assured that you can find the perfect fit.

Designed to fulfill the needs of both research and clinical laboratories, the CryoStar™ NX70 cryostat introduces a form-fitting design, integrated height control and motorized sectioning. Freeze and section tissue samples more efficiently with improved stability and individually controlled temperature settings on both the object specimen holder and blade carrier.

Get optimal sectioning quality paired with ergonomics and safety with the Cryostar NX50 cryostat. The NX50 cryostat is designed to accommodate the needs of your routine clinical laboratory. This manual cryostat offers a form-fitting design with optional height adjustment, cold disinfection, and Vacutome, allowing users to customize their sectioning experience.

Deliver high-quality results comfortably and efficiently with the HM525 NX cryostat, a high-performance routine cryostat with intuitive software and touch screen for simple, efficient operation. The HM525 NX cryostat offers reliability, advanced ergonomics and an intuitive interface.



CryoStar NX70 Cryostat



CryoStar NX50 Cryostat



HM525 NX Cryostat

| Cryostat features | CryoStar NX70 Cryostat | CryoStar NX50 Cryostat | HM525 NX Cryostat |
|--|------------------------|------------------------|-------------------|
| Cold disinfection | Optional | Optional | |
| UV disinfection | | | Optional |
| Encapsulated microtome | ✓ | ✓ | |
| Chamber temperature < -25 °C | ✓ | ✓ | ✓ |
| Fast-freeze temperature | -57 °C + 3 °C | -57 °C + 3 °C | -60 °C |
| Fast-freeze cooling mechanism | Peltier | Peltier | Peltier |
| Automatic and immediate defrost | ✓ | ✓ | ✓ |
| Active blade cooling | ✓ | ✓ | |
| Blade temperature control | ✓ | | |
| Specimen head temperature control | ✓ | ✓ | |
| Vacutome | Optional | Optional | |
| Specimen trimming | ✓ | ✓ | ✓ |
| Specimen retraction | 20 µm | 20 µm | 40 µm |
| Section thickness range | 0.5 - 500 µm | 0.5 - 500 µm | 1 - 500 µm |
| Motorized coarse advance | ✓ | ✓ | ✓ |
| Motorized cutting | ✓ | | |
| Cryobar cooling / (fast-freeze) stations | 18 (1) | 18 (1) | 27 (4) |
| Touch screen option | ✓ | ✓ | ✓ |
| Height adjustable chamber | ✓ | Optional | |

Complete Solutions to Enhance Frozen Sectioning

Cryostat Consumables

Epredia offers a complete line of consumables to enhance the use of your Epredia cryostat. Epredia offers blades that are crafted using a proprietary steel hardening technology that delivers increased longevity. Our staining kits and mountants are created specifically for use with frozen tissue sections, allowing your laboratory to quickly produce high-quality slides from tissue samples that are ready for analysis.

Cryostat Service

Your laboratory is a busy place that performs many important tasks – extended service contracts keep you up and running. Yearly preventative maintenance gives you peace of mind that your instrument is performing to the the best of its abilities. Have confidence that if your Epredia cryostat needs service or repair, your instrument repairs will be expedited, ensuring minimal downtime in your laboratory.



Cryostar NX70 Cryostat

Designed to fulfill the needs of both research and clinical laboratories, the CryoStar NX70 cryostat introduces a form-fitting design, integrated height control and motorized sectioning. Go quickly from mounting tissue to ready-to-cut with quick-freeze and setup features. Section tissue samples more efficiently with improved stability and individually controlled temperature settings on both the object holder and blade carrier.

First-Rate Sectioning for the Precision You Demand

- Independent cooling of blade holder and specimen head keeps cutting area at set temperatures, even during periods of high use
- Novel knife carrier feed enhances sectioning stability and quality
- Rapid-response temperature control provides active cooling of the specimen head, blade holder, and cryobar while maintaining consistent specimen temperature
- Dedicated low- and high-profile blade holders and separate knife carrier improve stability

Safe, Comfortable, and In Control

- Large, open chamber with bright LED illumination offers an optimized workspace for operators, featuring eighteen tissue stations and one fast-freeze Peltier for quick, efficient sample preparation
- Optional cold disinfection system provides supplemental surface disinfection in under 60 minutes while the cryostat is still cold
- Light-touch handwheel requires minimal force to operate, limiting repetitive motion discomfort. Motorized cutting helps reduce user fatigue and avoid repetitive motion injury
- Body-contoured design positions the user closer to the chamber to maintain comfortable posture and aids in reducing back and neck strain often associated with frozen sectioning
- Integrated height adjustment (32-44 in. / 82-112 cm), supporting both standing and seated operation with the touch of a button

Enhanced User-Experience

- Optional Vacutome feature aids in generating wrinkle-free sections and can also be used to remove waste from chamber
- Integrated joystick control and color LCD touchscreen allow for quick, precise adjustments, easy operation for end users, and training for additional users
- Programmable and immediate defrost options

Physical Specifications

Dimensions (D x W x H):
39.4 x 29.7 x 32.3-44.0 in.
(100 x 75.5 x 82-112 cm)
(adjustable)

Weight: 440 lbs / 200 kg

Power requirements:
100 V, 50/60 Hz, 10A
100-120 V, 60 Hz, 10A
220-230 V, 50/60 Hz, 5A

Base Model Includes

Five specimen stages (4 x 30 mm, 1 x 40 mm), anti-roll plate, section waste tray, brush shelf, debris brush, sectioning brush, blade handling tool, and operator guide

| Description | Configuration | Order Number |
|-----------------------------|---------------|--------------|
| NX70, 110 V (unit only) | HOMP | 957000 |
| NX70, 220-240 V (unit only) | HOMP | 957040 |
| NX70, 110 V (unit only) | HOMPD | 957010 |
| NX70, 220-240 V (unit only) | HOMPD | 957050 |
| NX70, 110 V (unit only) | HOMPV | 957020 |
| NX70, 220-240 V (unit only) | HOMPV | 957060 |
| NX70, 110 V (unit only) | HOMPDV | 957030 |
| NX70, 220-240 V (unit only) | HOMPDV | 957070 |

Please note that instrument order numbers are for the unit only. To purchase a blade holder (low- or high-profile, or steel knife), please see the blade holder section for respective order numbers.

Configuration Descriptions

H - Height Adjustment

O - Object Cooling

M - Motorized

P - Peltier

D - Cold Disinfection

V - Vacutome

Features:

- Adjustable cutting speed from 0 mm/s to 256 mm/s
- Section thickness from 0.5 μ m to 500 μ m
- Vertical stroke length of 64 mm
- 48 mm horizontal feed range
- 20 μ m specimen retraction on return stroke, with optical indication

Order Epredia stainless steel blades, designed for cleanly cutting high-quality frozen sections in your cryostat from Epredia.

You'll need:

 blades & blade holders

 specimen stages

 staining kits

 embedding media



Cryostar NX50 Cryostat

Get optimal sectioning quality paired with enhanced ergonomics and safety with the Cryostar NX50. The NX50 is designed to accommodate the needs of your routine clinical laboratory. This manual cryostat offers a form-fitting design with optional height adjustment, cold disinfection, and Vacutome, allowing users to customize their sectioning experience.

Precise Sectioning

- Active cooling of the specimen head, blade holder, and cryobar maintains consistent specimen temperature
- Reach the ideal temperature for each sample type in just minutes with rapid temperature control
- Precise stepping-motor blade advance for minimal vibration when sectioning
- Microtome design creates a stable sectioning platform for increased precision
- Precise sectioning delivers consistent sections of uniform thickness
- Optional Vacutome feature aids in generating wrinkle-free sections and can also be used to remove waste from the chamber

Ergonomics and Comfort

- Body-contoured design positions the user closer to the chamber, maintaining comfortable posture
- Large, open work chamber with adjustable LED lighting for enhanced visibility
- Light-touch handwheel requires minimal force to operate
- Optional height adjustment can position the chamber height from 32 to 44 in. (82-112 cm), supporting both standing and seated operation, with the touch of a button
- Touch screen operation with intuitive software to accommodate multiple users

Operator Safety

- Optional cold disinfection system provides supplemental surface disinfection in under 60 minutes while the cryostat is still cold
- Manual handwheel lock secures the position of the specimen head
- Magnetic blade-transfer tool supports safe removal of the blade from the holder

Physical Specifications

Dimensions (D x W x H):
39.4 x 29.7 x 32.3-44.0 in.
(100 x 75.5 x 82-112 cm)
(adjustable)

39.4 x 29.7 x 36.6 in.
(100 x 75.5 x 93 cm)
(fixed height model)

Weight: 440 lbs / 200 kg

Power requirements:
100 V, 50/60 Hz, 10A
110-120 V, 60 Hz, 10A
220-240 V, 50/60 Hz, 5A

Includes

Five specimen stages (4 x 30 mm, 1 x 40 mm), anti-roll plate, section waste tray, brush shelf, debris brush, sectioning brush, blade handling tool, and operator guide

| Description | Configuration | Order Number |
|----------------------------|---------------|--------------|
| NX50,100-120 V (unit only) | OP | 957250 |
| NX50, 230 V (unit only) | OP | 957220 |
| NX50,100-120 V (unit only) | OPD | 957100 |
| NX50, 230 V (unit only) | OPD | 957140 |
| NX50,100-120 V (unit only) | OPV | 957270 |
| NX50, 230 V (unit only) | OPV | 957200 |
| NX50,100-120 V (unit only) | OPH | 957260 |
| NX50, 230 V (unit only) | OPH | 957210 |
| NX50,100-120 V (unit only) | OPHD | 957110 |
| NX50, 230 V (unit only) | OPHD | 957150 |
| NX50,100-120 V (unit only) | OPVD | 957120 |
| NX50, 230 V (unit only) | OPVD | 957160 |
| NX50,100-120 V (unit only) | OPHV | 957230 |
| NX50, 230 V (unit only) | OPHV | 957170 |
| NX50,100-120 V (unit only) | OPHVD | 957130 |
| NX50, 230 V (unit only) | OPHVD | 957240 |

Please note that instrument order numbers are for the unit only. To purchase a blade holder (low- or high-profile, or steel knife), please see the blade holder section for respective order numbers.

Configuration Descriptions

O - Object Cooling

P - Peltier

H - Height Adjustment

V - Vacutome

D - Cold Disinfection

Features:

- Section thickness from 0.5 μ m to 500 μ m
- Vertical stroke length of 64 mm
- 48 mm horizontal feed range

Epredia extended service packages offer prompt technical support and national coverage for service or repair, ensuring your instrument will be back up and running as quickly as possible.

You'll need:

 blades & blade holders

 specimen stages

 staining kits

 embedding media



HM525 NX Cryostat

Deliver high-quality results comfortably and efficiently with the HM525 NX cryostat, a high-performance routine cryostat with intuitive software and touchscreen for simple, efficient operation. The HM525 NX cryostat offers reliability, advanced ergonomics and an intuitive interface.

Exceptional Sectioning

- Reliable stepping motor technology delivers reproducible section thickness
- Adjustable chamber temperature control accommodates a wide range of specimens
- Automatic specimen retraction on return stroke protects specimen and reduces carryover artifacts
- Cryochamber features 27 cooled specimen positions, including four fast-freeze stations to keep up with heavy workloads

Operator Safety

- Mechanical handwheel lock immobilizes the specimen head
- Optional, on-demand UV disinfection protects against surface contamination and occupational exposure to biological pathogens
- Stainless steel chamber and smooth surfaces allows efficient cleaning of the chamber

User-Friendly and Ergonomic

- Icon-driven interface supports intuitive operation of the cryostat
- Allows rapid selection and adjustment of functions for efficient operation
- Specimen fast-freeze function and chamber brightness can be accessed from the menu
- Light-touch handwheel requires minimal force to operate, increasing comfort
- Additional knee space to support comfortable seated operation
- Body-contoured arm rests improve posture and comfort during periods of prolonged use
- Large, flat top to keep accessories and consumables readily available

Physical Specifications

Dimensions (D x W x H):
29.9 x 25.2 x 47.2 in.
(75.9 x 64 x 119.8 cm) (w/o handwheel)

Weight: 315 lbs / 143 kg

Power requirements:
100 V, 50 Hz, 12A
100 V, 60 Hz, 12A
115 V, 60 Hz, 12A
220/230 V, 50 Hz, 6A
220 V, 60 Hz, 6A
240 V, 50 Hz, 6A

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.

| Description | Order Number |
|--|--------------|
| HM525 NX (unit only) | |
| HM 525 NX, 115 V (unit only) | 956640 |
| HM 525 NX, 220-230 V (unit only) | 956650 |
| HM525 NX with UV disinfection (unit only) | |
| HM525 NX with UV disinfection, 115 V (unit only) | 956641 |
| HM525 NX with UV disinfection, 220-230 V (unit only) | 956651 |

Features:

- Chamber cooling to -35 °C
- Integrated peltier fast-freezing device rapidly cools to -60 °C
- Section thickness from 1 µm to 500 µm
- Vertical stroke length of 60 mm
- 28 mm horizontal feed range
- 40 µm specimen retraction on return stroke
- X/Y specimen orientation with 360° Z-axis rotation

You'll need:
 blades & blade holders

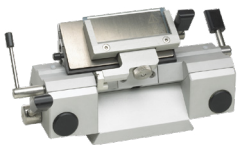
 specimen stages

 staining kits

 embedding media

Cryostat Blade Holders

| Description | Order Number | CryoStar NX70 | CryoStar NX50 | HM525 NX |
|--|--------------|---------------|---------------|----------|
| Blade holders for disposable blades | | | | |
| EC70 blade holder | 705630 | | | ✓ |
| EC blade holder | 705470 | | | ✓ |
| Low-profile blade holder | 705840 | ✓ | ✓ | |
| High-profile blade holder | 705940 | ✓ | ✓ | |
| Knife carriers for solid knives | | | | |
| Standard | 705460 | | | ✓ |
| Standard knife carrier | 705950 | ✓ | ✓ | |



EC70 Disposable Blade Holder for HM525 NX

- Suitable for high- and low-profile disposable blades, with clearance angle adjustment
- Precision dovetail guide and quick clamping mechanism allows for easy movement
- Includes anti-roll guide and two glass anti-roll plates (69.5 mm)



EC Disposable Blade Holder for HM525 NX

- Suitable for high- and low-profile disposable blades, with clearance angle adjustment
- Precision dovetail guide and quick clamping mechanism allows for easy movement
- Includes anti-roll guide and two glass anti-roll plates (39.5 mm)



Standard Blade Holder for HM525 NX

- For use with standard solid knives
- Clearance angle adjustment and removable clamping jaws
- Precision dovetail guide and quick clamping mechanism allows for easy movement
- Includes anti-roll guide and two glass anti-roll plates (69.5mm)

Disposable Blades for Cryostats

Low-Profile Blades



MX35 Ultra™ Low-Profile Blade

Blades feature a proprietary steel hardening technology (Pink Technology) that delivers unbeatable longevity, making them excellent for cutting frozen sections.

3053835 | Blade angle: 34° | 50 / pack



MX35 Premier +™ Low-Profile Blade

Blades are designed to be extra sharp with an extended cutting life. Excellent for hard tissues.

3052835 | Blade angle: 34° | 50 / pack



MX35 Premier™ Low-Profile Blade

Blades are designed for routine histology and are good for a variety of tissue types, including hard tissue.

3051835 | Blade angle: 34° | 50 / pack



MB35™ Premier Low-Profile Blade

Blades are best for routine applications and have consistent edge sharpness for high-quality thin sections. Feature superior edge stability.

3050835 | Blade angle: 34° | 50 / pack



MB22 Premier™ Low-Profile Blade

Blade is designed with a steeper angle that allows users to cut thinner sections.

3050822 | Blade angle: 22° | 50 / pack

High-Profile Blades



HP35 Ultra™ High-Profile Blade

Blades designed for use with cryostats. Proprietary steel hardening technology (Pink Technology) delivers increased longevity.

3153735 | Blade angle: 34° | 50 / pack



HP35N Ultra™ High-Profile Blade

Blades designed similarly to the HP35 Ultra High-Profile Blade, but with no PTFE Coating.

3151735 | Blade angle: 34° | 50 / pack

| Blade Type | Low-Profile Blades | | | | | High-Profile Blades | |
|------------------------|--------------------|----------------|--------------|--------------|--------------|---------------------|-------------|
| Description | MX35 Ultra | MX35 Premier + | MX35 Premier | MB35 Premier | MB22 Premier | HP35 Ultra | HP35N Ultra |
| Order number | 3053835 | 3052835 | 3051835 | 3050835 | 3050822 | 3153735 | 3151735 |
| Edge angle | 34° | 34° | 34° | 34° | 22° | 34° | 34° |
| Cryostat compatibility | Best | Good | Good | Good | Best | Best | Good |



Richard Allan Scientific™ Edge-Rite™ Disposable Microtome Blades

Made of surgical-grade steel, low- and high-profile blades are specially coated to increase longevity and optimize section quality.

- Low-profile blades are 20% thicker than traditional blades to increase knife edge stability, which facilitates usage in cryostats
- Low-profile blades are 5% longer, allowing for more sections per blade

Low-Profile (4280L) | High-Profile (4275H) | 50 / pack



Shandon Premium Disposable Microtome Blades

Epredia Shandon premium high-profile disposable blades are available in non-coated and PTFE-coated styles.

Premium High-Profile with no coating (1001259) | 50 / pack

Premium High Profile with PTFE-coating (1001593) | 50 / pack

Specimen Stages

| Description | Order Number | CryoStar NX70 | CryoStar NX50 | HM525 NX |
|------------------------------------|--------------|---------------|---------------|----------|
| Specimen Stages | | | | |
| 20 mm specimen stage | 715700 | | | ✓ |
| 30 mm specimen stage (color coded) | 715220 | | | ✓ |
| 30 mm specimen stage | 715710 | | | ✓ |
| 30 mm specimen stage | 715600 | ✓ | ✓ | |
| 30 mm specimen stage; red | 715870 | ✓ | ✓ | |
| 30 mm specimen stage; green | 715880 | ✓ | ✓ | |
| 30 mm specimen stage; blue | 715890 | ✓ | ✓ | |
| 30 mm specimen stage; gold | 715900 | ✓ | ✓ | |
| 40 mm specimen stage (color coded) | 715230 | | | ✓ |
| 40 mm specimen stage | 715720 | | | ✓ |
| 40 mm specimen stage | 715610 | ✓ | ✓ | |
| 60 mm specimen stage | 715620 | ✓ | ✓ | |
| 50 x 50 mm specimen stage | 715730 | | | ✓ |
| 55 x 55 mm specimen stage | 715740 | | | ✓ |
| 60 x 55 mm specimen stage | 715750 | | | ✓ |
| 75 x 70 mm specimen stage | 715760 | | | ✓ |
| Cryo-Molds | | | | |
| Cryo-mold, 10 mm | 570400 | ✓ | ✓ | ✓ |
| Cryo-mold, 15 mm | 570380 | ✓ | ✓ | ✓ |
| Cryo-mold, 22 mm | 570390 | ✓ | ✓ | ✓ |



Staining Kits



Frozen Section Staining Kit (145)

Ideal for laboratories that process frozen sections. Works well for staining tissue mounted on coverglass.

- Sturdy cover with piano hinge seals beakers to minimize evaporation
- Rubber feet on rack protect table surface
- Glass beakers have a capacity of 200 mL and are 10 cm tall
- Slide holder will hold ten 76 x 25 mm slides
- Stainless steel rack measures 21.6 x 48.3 x 22.6 mm
- Kit includes twelve beakers, a stainless steel slide holder, and a heavy-gauge stainless steel support rack with six round openings to hold beakers

Embedding Media



Shandon Cryomatrix™ Embedding Medium

Outstanding embedding medium used to support tissue for frozen sectioning.

- Forms a firm bond with the specimen holder that secures and supports tissue
- Removed during staining
- Freezes quickly, sections smoothly, and dissolves in water without residue

120 mL | 4 / pack



Shandon M-1 Embedding Matrix

Water-soluble, clear embedding medium.

- Particularly effective on specimens with high water content such as eyes and CNS
- Optimum sectioning temperature of -12 °C to -13 °C

180 mL | 1 each



Cryochrome

- Outstanding embedding matrix used to support tissue for frozen sectioning
- Easy tracking and identification with multiple color options
- Formulated with physical characteristics identical to EpreDia™ Cryomatrix™ embedding medium



Neg-50 Frozen Section Medium

- Water-soluble frozen section medium that yields high-quality sections down to -50 °C without chatter
- Leaves no residue after staining
- Easy tracking and identification with varying colored matrix

| Description | Quantity | Order Number |
|--|----------|--------------|
| Shandon Cryomatrix Embedding medium (120 mL) | 4 / pack | 6769006 |
| Shandon M-1 Embedding Matrix (180 mL) | ea. | 1310 |

| Description | Quantity | Order Number |
|--|----------|--------------|
| Cryochrome blue, 120mL | 4 / pack | 9990422 |
| Cryochrome yellow, 120 mL | 4 / pack | 9990423 |
| Cryochrome green, 120 mL | 4 / pack | 9990428 |
| Cryochrome pink, 120 mL | 4 / pack | 9990429 |
| Cryochrome sampler (one of each color), 120 mL | 4 / pack | 9990426 |

| Description | Quantity | Order Number |
|---|----------|--------------|
| Colorless Neg-50, 4 oz (118 mL) | 2 / case | 6502 |
| Blue Neg-50, 4 oz (118 mL) | 2 / case | 6502B |
| Green Neg-50, 4 oz (118 mL) | 2 / case | 6502G |
| Orange Neg-50, 4 oz (118 mL) | 2 / case | 6502O |
| Pink Neg-50, 4 oz (118 mL) | 2 / case | 6502P |
| Yellow Neg-50, 4 oz (118 mL) | 2 / case | 6502Y |
| Colorless Neg-50 4 oz (118 mL) | 6 / case | 6506 |
| Neg-50 sampler (one of each color) (118 mL) | 6 / case | 6505M |

Microtomy

superior
sectioning
results



Section safely with excellent quality

Microtomes from EpreDia are designed to be precise and stable, helping to yield superior sectioning results for even the most difficult-to-cut paraffin sections.

Designed with the end user in mind

- With both automatic and manual options available, we have the right fit for you, your lab, and your paraffin sections

Specificity in action

- User-friendly control panels facilitate flexibility
- Fully-adjustable to ensure the correct thickness

Non-tiring comfort

- Ergonomic designs with integrated waste trays to save you time and energy
- Emergency stop features to keep you safe (HM355S only)

The Total Solution

- Wide variety of steel low- and high-profile blades for cutting various tissue types
- Cool-Cut and Section Transfer System™ assist in placing cooled, wrinkle-free sections on glass microscope slides
- Glass microscope slides ensure high levels of transparency to aid in accurate diagnosis
- Get peace of mind with EpreDia service contracts that include preventative maintenance and thorough, expedited repairs, ensuring minimal downtime in your laboratory



Microtome Range and Selection Guide

| Epredia | | | | | |
|---|------------|------------|-----------|------------|-----------|
| Microtome Features | HM 355S | HM 340E | HM 325 | HM 450 | HM 430 |
| Rotary | ✓ | ✓ | ✓ | | |
| Sliding | | | | ✓ | ✓ |
| Cross-roller bearing vertical guide-ways | ✓ | ✓ | ✓ | | |
| Specimen trimming | ✓ | ✓ | ✓ | ✓ | |
| Selectable specimen retraction | ✓ | ✓ | ✓ | ✓ | |
| Detachable operation panel | ✓ | ✓ | | | |
| Manual coarse advance | | | ✓ | | ✓ |
| Electronic coarse advance | ✓ | ✓ | | ✓ | |
| Stepping motor technology | ✓ | ✓ | | ✓ | |
| Section thickness | 0.5-100 µm | 0.5-100 µm | 0.5-60 µm | 0.5-100 µm | 0.5-60 µm |
| Trim thickness | 5-500 µm | 5-500 mm | | 5-500 µm | |
| Electronic sectioning | ✓ | | | | |
| Handwheel locks in any position | ✓ | ✓ | ✓ | | |
| Integrated waste tray | ✓ | ✓ | ✓ | ✓ | ✓ |
| "Rocking" mode | ✓ | | ✓ | | |
| Macro / SuperMega capability | ✓ | ✓ | ✓ | ✓ | ✓ |
| Compatible with Cool-Cut | ✓ | ✓ | ✓ | | |
| Compatible with Epredia™ Section Transfer System (STS™) | ✓ | ✓ | ✓ | | |
| Resin cutting capability | ✓ | | | | |

Microtome Total Care

Microtome Consumables and Accessories

Epredia microtomy consumables are created specifically for use with your Epredia automatic or manual microtome. Blades are designed to section many different tissue types from soft tissue to biopsies and re-cuts. The Cool-Cut and Section Transfer System aid in transferring thin and fragile tissue sections to our wide variety of glass microscope slides, protecting precious tissue samples.

Microtome Service

Your laboratory is a busy place that performs many important tasks – extended service contracts keep you up and running. Yearly preventative maintenance gives you peace of mind that your instrument is performing to the best of its abilities. Have confidence that if your microtome from Epredia needs service or repair, your instrument repairs will be expedited, ensuring minimal downtime in your laboratory.



Rotary Microtome HM 355S

Reproducible Quality

- X/Y fine orientation with reproducible zero positioning
- Memory function for specimen positioning
- Control panel featuring multi-function keypad and knobs allows for easy selection of section thickness, sectioning mode, speed control, memory function, and menu options.

Operator Safety

- Safe, ergonomic, and intuitive fully automated rotary microtome
- Motorized sectioning can be operated via speed/start-stop knob, start-stop button, or optional foot pedal
- Prevention of accidental start by double-click operation and automatic brake following motorized action
- Ergonomic, removable control panel can be located on either side of the microtome
- Easily accessible emergency stop button

Added Convenience

- Easily switch between thickness settings for trim and section/fine
- Rocking mode allows the handwheel to be “rocked” into a forward position allowing advancement of the specimen without a complete rotation of the handwheel
- Four motorized modes of operation (single section, interval, multi-section, and continuous)
- Large, removable section waste tray covers the entire working area

Physical Specifications

Dimensions (D x W x H):
20.5 x 16.1 x 11 in.
(52 x 41 x 28 cm)

Weight: 68.3 lbs / 31 kg

Horizontal feed range: 28 mm
Cutting stroke: 72 mm
Sectioning speed: 0-450 mm/s
Section thickness range: 0.5-100 μ m
Trim thickness range: 5-500 mm
Retraction: 40 μ m

Power requirements:
100-240 V, 50/60 Hz, 1.6A

Includes

Standard tools, brushed aluminum cover plate, dust cover, instruction manual

| Description | Order Number |
|---|--------------|
| HM 355S unit only | 905200 |
| With Universal Cassette Clamp and E blade holder | 905200A |
| With Universal Cassette Clamp and ER blade holder | 905200ER |

You'll need:





Rotary Microtome HM 340E

Stability and Speedy Preparation

- Highly stable blade holder platform yields high-quality ribbons, even for difficult to cut paraffin sections
- Ergonomic removable control panel can be located on either side of the microtome
- Control panel featuring multi-function keypad and knobs allows for easy selection of section thickness, sectioning mode, speed control, memory function, and menu options.
- Easily switch between thickness settings for trim and fine sectioning
- Memory function for section positioning
- X/Y fine orientation with reproducible zero positioning
- Rocking mode allows the handwheel to be “rocked” into a forward position allowing advancement of the specimen without a complete rotation of the handwheel
- Motorized specimen advance
- Specimen retraction (can be deactivated)
- Longest stroke length available (72 mm) allows high-quality sections of Macro / SuperMega cassettes
- Large, removable section waste tray covers the entire working area

Physical Specifications

Dimensions (D x W x H):
20.5 x 16.1 x 11 in.
(52 x 41 x 28 cm)

Weight: 61.7 lbs / 28 kg

Horizontal feed range: 28 mm
Section thickness range: 0.5-100 μ m
Trim thickness range: 5-500 mm
Retraction: 40 μ m

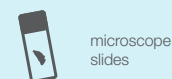
Power requirements:
100-240 V, 50/60 Hz

Includes

Standard tools, brushed aluminum cover plate, dust cover, and operator guide

| Description | Order Number |
|--|--------------|
| HM 340E unit only | 905190 |
| With Universal Cassette Clamp and E blade holder | 905190A |
| With Universal Cassette Clamp and ER blade carrier | 905190ER |

You'll need:





Rotary Microtome HM 325

Trusted Performance, Added Efficiencies

- High stability and precision for premium-quality paraffin sections
- Unique section thickness setting with removable knobs allowing operation with both the right and left hands
- Resettable electronic section counter
- Two quick-trim stages (10 μ m and 30 μ m) independent from the preset fine section thickness
- X/Y fine orientation with reproducible zero positioning
- Manual coarse feed wheel
- Specimen retraction (can be deactivated)
- Long stroke length (64 mm) allows high quality sections of Macro / SuperMega cassettes
- Large, removable section waste tray covers the entire working area

Physical Specifications

Dimensions (D x W x H):
19 x 16.5 x 11 in.
(49 x 42 x 28 cm)

Weight: 51 lbs / 23 kg

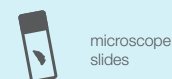
Horizontal feed range: 28 mm
Section thickness range: 0.5-60 μ m
Mechanical trim stages: 10/30 μ m
Retraction: 60 μ m

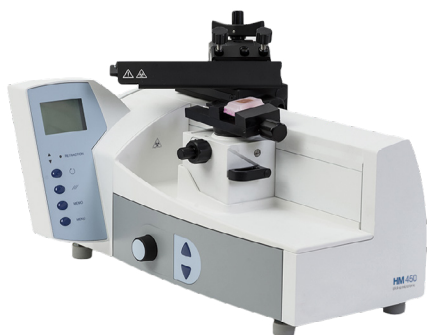
Includes

Standard tools, brushed aluminum cover plate, dust cover, and operator guide

| Description | Order Number |
|--|--------------|
| HM 325 unit only | 902100 |
| With Universal Cassette Clamp and E blade holder | 902100A |
| With Universal Cassette Clamp and ER blade carrier | 902100ER |

You'll need:





Sliding Microtome HM 450

Outcome Driven

- Selectable specimen retraction
- Motorized coarse feed with three different speed settings
- Automatic or manual specimen advance during sectioning can be selected depending upon user preference
- X/Y fine orientation with reproducible zero positioning

Ease-of-Use

- Integrated knife holder glides along a maintenance-free, precision, cross-roller bearing system ensuring fast, comfortable operation
- Ergonomic handle for moving knife holder
- User-friendly control panel allows for easy setting of sectioning parameters
- Incorporates stepping motor technology to ensure precise, accurate specimen advancement
- Trimming function allows for precision block trimming prior to the sectioning function
- Display shows feed (section) / trim thicknesses, feed mode and retraction status, as well as choice of section counter, step sum, or remaining travel.
- Integrated, removable waste tray
- Knife holder with integrated, movable knife guard
- Inserts available for the use of low-and high-profile disposable blades

Physical Specifications

Dimensions (D x W x H):
18.1 x 14.6 x 12.6 in.
(46 x 37 x 32 cm)

Weight: 50.7 lbs / 23 kg

Accommodates specimens up to
80 x 60 mm
Section thickness feed: 0.5-100 μ m
Trimming thickness: 10-500 μ m
Vertical feed range: 40 mm (max)
Horizontal knife stroke: 190 mm (max)

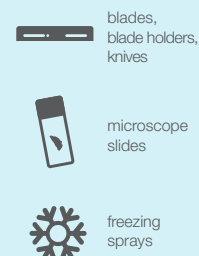
Power requirements:
100-240 V, 50-60 HZ, 0.5A

Includes

Dust cover and operator guide

| Description | Order Number |
|--|--------------|
| HM 450 unit only | 910020 |
| With low-profile blade insert and 5 x 80 specimen clamp | 910020L |
| With high-profile blade insert and 5 x 80 specimen clamp | 910020H |

You'll need:





Sliding Microtome HM 430

Versatility meets Accuracy

- Selection of the stroke length depending on the size of the specimen
- Coaxial specimen orientation and memory function for rapid re-orientation of pre-cut blocks
- Integrated blade holder glides along a maintenance-free, precision, cross-roller bearing system
- Easy knob turn selects manual or automatic advance
- Integrated removable waste tray
- X/Y fine orientation with reproducible zero positioning
- Blade holder with integrated, movable blade guard
- Ergonomic handle for moving blade holder

Physical Specifications

Dimensions (D x W x H):
19.3 x 14.2 x 12.6 in.
(49 x 36 x 32 cm)

Weight: 50.7 lbs / 23 kg

Accommodates specimens up to
80 x 60 mm
Section thickness feed: 0.5-60 μ m
Vertical feed range: 40 mm (max)
Horizontal knife stroke: 190 mm (max)

Includes

Dust cover and operator guide

| Description | Order Number |
|--|--------------|
| HM 430 unit only | 910010 |
| With low-profile blade holder and 5 x 80 specimen clamp | 910010L |
| With high-profile blade holder and 5 x 80 specimen clamp | 910010H |

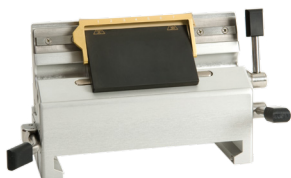
You'll need:

 blades,
blade holders,
knives

 microscope
slides

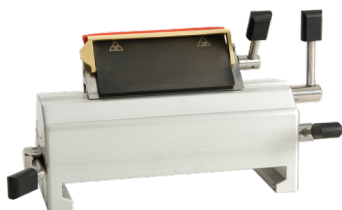
 freezing
sprays

Blade Holders



E Disposable Blade Holders for HM 355S, HM 340E, and HM 325

- With quick clamp system for high- and low-profile blades, clearance angle adjustment
- Movable blade guard with scale covers the entire blade in any position



ER Disposable Blade Holders for HM 355S, HM 340E, and HM 325

- With quick clamp system for high- and low-profile blades, clearance angle adjustment
- Clamping plate moves laterally to move the blade without needing to unclamp
- Used for cutting Macro / SuperMega cassettes (vertically)
- Movable blade guard covers the entire blade in any position
- Removable cutting angle adjustment lever

Standard Solid Knife Carrier N for HM 355S, HM 340E, HM 325

- With integrated blade guard and clearance angle adjustment
- Blade height can be adjusted by means of a guidance bar
- Removable cutting angle set lever

Standard Solid Knife Carrier C for HM 355S, HM 340E, HM 325

- Stable version for use with tungsten carbide and conventional blades
- Central clamping plate provides optimal stability where the cutting forces are highest
- Allows full use of the entire blade edge and clearance angle adjustment
- Removable cutting angle set lever

| Description | Order Number |
|---|--------------|
| E disposable blade holders for HM 355S, HM 340E, HM 325 | 705800 |
| ER disposable blade holders for HM 355S, HM 340E, HM 325 | 705830 |
| Standard solid knife carrier N for HM 355S, HM 340E, HM 325 | 705820 |
| Solid knife carrier C for HM 355S, HM 340E, HM 325 | 705810 |

Disposable Blades for Microtomes

Low-Profile Blades



MX35 Ultra™ Low-Profile Blade

All-around excellent low-profile blade for all types of tissue sectioning and increased blade life.

3053835 | Blade angle: 34° | 50 / pack



MX35 Premier +™ Low-Profile Blade

Blade designed for sectioning hard tissue and high-quality thin sections.

3052835 | Blade angle: 34° | 50 / pack



MX35 Premier™ Low-Profile Blade

Excellent blade for routine application with higher proportion of harder tissue.

3051835 | Blade angle: 34° | 50 / pack



MB35™ Premier Low-Profile Blade

Best for routine sectioning applications.

3050835 | Blade angle: 34° | 50 / pack



MB22 Premier™ Low-Profile Blade

Blade designed with a steeper angle, allowing users to accurately cut thinner sections faster. Excellent for renal biopsies and lymph nodes.

3050822 | Blade angle: 22° | 50 / pack

High-Profile Blades



HP35 Ultra™ High-Profile Blade

All-around excellent high-profile blade for all types of tissue sectioning and increased blade life.

3153735 | Blade angle: 34° | 50 / pack



HP35™ High-Profile Blade

Blade designed for high-quality thin sectioning.

3150734 | Blade angle: 34° | 50 / pack



HP35N Ultra™ High-Profile Blade

Sections all types of tissue for quality thin tissue sections. No PTFE coating.

3151735 | Blade angle: 34° | 50 / pack

| Blade Type | Low-Profile Blades | | | | | High-Profile Blades | | |
|---------------------|--------------------|----------------|--------------|--------------|--------------|---------------------|---------|-------------|
| Description | MX35 Ultra | MX35 Premier + | MX35 Premier | MB35 Premier | MB22 Premier | HP35 Ultra | HP35 | HP35N Ultra |
| Order number | 3053835 | 3052835 | 3051835 | 3050835 | 3050822 | 3153735 | 3150734 | 3151735 |
| Edge angle | 34° | 34° | 34° | 34° | 22° | 34° | 34° | 34° |
| Cryostat | Best | Good | Good | Good | Best | Best | | Good |
| Soft tissue | Best | Good | Good | Good | Good | Best | Good | Good |
| Hard tissue | Best | Best | Good | Good | | Best | | Good |
| Thin sectioning | Best | Good | Good | Good | Best | Best | Best | Good |
| Biopsies and recuts | Best | Good | Best | Good | | Best | | Good |

Richard Allan Scientific™ Edge-Rite™ Disposable Microtome Blades

Made of surgical-grade steel, low- and high-profile blades are specially coated to increase longevity and optimize section quality.



Low Profile Blades

- Low-profile blades are 20% thicker than traditional blades to increase knife edge stability, which allows for excellent ribboning and facilitates usage in cryostats
- Blades are 5% longer, allowing for more sections per blade
- Fits any low-profile blade holder

Low-Profile (4280L) | High-Profile (4275H) | 50 / pack



Shandon Premium Disposable Microtome Blades

Shandon premium standard high-profile disposable blades are available in heavy-duty and PTFE-coated styles.

Premium High-Profile (1001259) | 50/pack

Premium High Profile with PTFE-coating (1001593) | 50 / pack

Knives and Blades



Reusable Steel Knives

Epredia Reusable Steel Knives can be used with microtomes or cryostats when the technical application dictates that requirement.

- C-profile knives are used for standard paraffin and cryo-techniques
- D-profile knives are used for sectioning of harder materials that require greater knife stability
- Tungsten carbide knives are used for strength and durability in sectioning of very hard samples or resin embedded samples
- Appropriate knife case(s) may be ordered with the knife or knives; each case holds two knives

| Accessories | Order Number |
|--------------------------------------|--------------|
| Steel C-profile knife 12 cm | 152010 |
| Steel C-profile knife 16 cm | 152020 |
| Steel C-profile knife 18.5 cm | 152270 |
| Steel C-profile knife 30 cm | 152050 |
| D-profile tungsten carbide tip 16 cm | 152120 |



Cool-Cut and Section Transfer System

Simplify your workflow at the microtome with two specially designed accessories which integrate seamlessly with the HM 355S, HM 340E and HM 325 rotary microtomes.

Cool-Cut

- Maintains a cool, consistent temperature for paraffin blocks reducing the need to repeatedly ice down blocks
- Particularly effective during extended cutting sessions for “step sections” or “serial sections”
- Peltier device fits directly onto the specimen cylinder of the microtome and can be equipped with a universal cassette clamp or a standard specimen clamp

| Description | Order Number |
|--|--------------|
| Cool-Cut with universal cassette clamp | 771110 |
| Cool-Cut with standard clamp | 771120 |

Cool-Cut Physical Specifications

Dimensions (D x W x H):
3.74 x 2.36 x 7.1 in.
(9.5 x 6 x 18 cm)

Weight: 1.54 lbs / 700 g

Power requirements:
100-240 V, 50-60 HZ, 0.6A

Includes:
Peltier device with integrated specimen clamp, counter-balance weights and power supply.

Section Transfer System Physical Specifications

Includes:
Control unit, water bath with lid, section transfer unit, disposable blade holder and cables.

Section Transfer System

- Adjustable, laminar water flow rate produces more usable sections per block
- Selectable water temperature from ambient temperature up to 50 °C
- Illuminated, aluminum water bath enhances section visibility
- The common manual transfer of the sections into a water bath is no longer necessary

| Description | Order Number |
|--|--------------|
| Section Transfer System with bar guide-way | 771200 |

Microscope Slides

Our microscope slides are made from fine white glass, manufactured to high quality standards in our Swiss glass manufacturing plant. The clarity achieved by our manufacturing process helps ensure high levels of transparency to aid in accurate diagnosis. Our skilled glassmakers strive to create slides with lot-to-lot and box-to-box consistency. Fully integrated quality controls include several checkpoints for testing, ensuring high quality product for laboratory use. All slides are pre-cleaned, thin, flat, and feature finely ground edges. Each pack is wrapped to protect against humidity and moisture.

Plain Slides

- Slide surface is completely plain without a frosted or printed tab
- Manufactured to the highest quality standards for use in hematology, microbiology, urinalysis, as well as other applications.

Superfrost and Colorfrost Slides

- Superfrost and Colorfrost™ Slides feature a durable, easy to write, print and label printed tab
- Printed tab is impervious to virtually all common laboratory chemicals and reagents
- Available in a wide variety of colors to ease identification

Specialty Printed Slides

- Localize cells in an easily-identifiable area on the slide surface
- Wells are surrounded by a chemical and water-resistant hydrophobic ink mask
- Available in 1, 3, 8, 10, and 12-well configurations

Polysine Adhesion Slides

- Adhesive coating attracts paraffin-embedded sections to slide surface
- Polysine slides are coated with a derivative of the chemistry for poly-L-lysine
- Feature a durable, easy to write, print, and read printed white tab
- Printed white tab is impervious to virtually all common laboratory chemicals and reagents

Superfrost Excell Adhesion slides

- Superfrost Excell adhesion slides feature a unique chemistry with strong adhesion properties
- Useful in applications involving high pH Heat Induced Epitope Retrieval (HIER)
- Feature a durable, easy to write, print and read printed white tab
- Printed tab is impervious to virtually all common laboratory chemicals and reagents

Superfrost Plus Gold Adhesion Slides

- Superfrost Plus Gold Adhesion Slides are made with a complex adhesive technology which attracts and chemically bonds fresh or formalin-fixed frozen tissue sections firmly to the surface of the slide
- Recommended for hard-to-hold tissue samples like bone, brain, breast and skin
- Feature a durable, easy to write, print and read printed white tab
- Printed tab is impervious to virtually all common laboratory chemicals and reagents

SuperFrost Plus and ColorFrost Plus Adhesion Slides

- SuperFrost™ Plus and Colorfrost Plus adhesion slides are designed to secure tissue sections without the need for laboratory-applied coatings
- Slides secure frozen and formalin-fixed, paraffin embedded tissue sections as well as cytology preparations.
- Each slide features a chemistry based on silane, although optimized to improve application performance
- Feature a durable, easy to write, print, and read printed tab
- Printed tab is impervious to virtually all common laboratory chemicals and reagents
- Available in a wide variety of colors to ease identification



Paraffin Repellent

Parapel™ Paraffin Repellent

Protect against excess buildup of wax on countertops and instrumentation.

50 mL | 12 / case

| Description | Quantity | Order Number |
|----------------------------------|----------|--------------|
| Parapel paraffin repellent 50 mL | ea. | 2300TS |

Freezing Sprays



Richard-Allan Scientific™ Cytocool™ II Freezing Spray

Used to “flash-freeze” tissue specimens during microtomy. Not available for purchase in the EU.

- Does not contain ozone-depleting CFCs
- Simply vary finger pressure on the trigger nozzle to control tissue freezing; helps to prevent over-cooling of specimen
- Integral trigger nozzle eliminates need to attach separate handle to each can, making Cytocool II freezing spray less bulky and more comfortable to hold during use

11 oz (325 mL) | 12 / case

Ice-It™ Rapid Freezing Spray

Ozone-friendly freezing spray for use during microtomy. Not available for purchase in the EU.

- Comfortable trigger nozzle makes dispensing easy to control
- Attachable capillary nozzle enables spot freezing
- Contains 1, 1, 1, 2 Tetrafluoroethane

11 oz (325 mL) | 12 / case



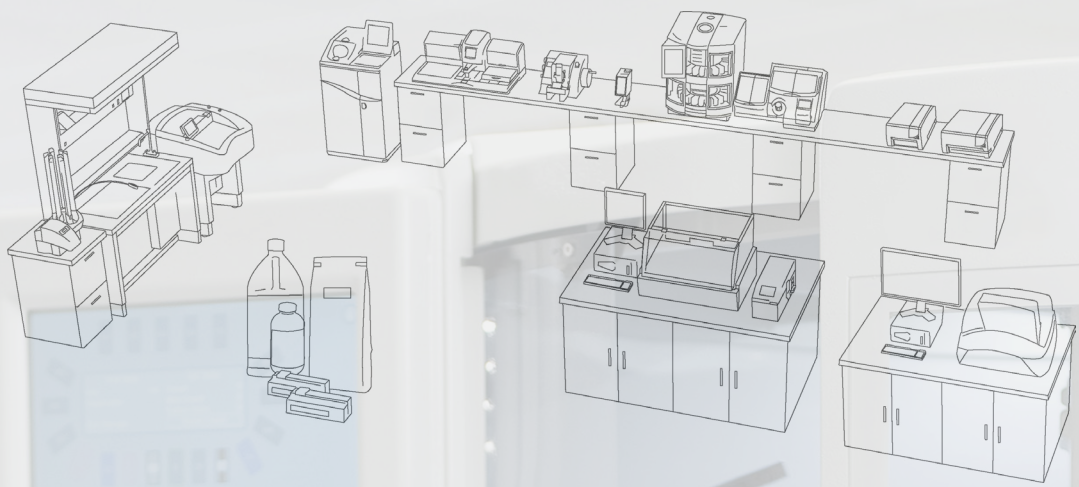
Shandon™ Envi-Ro-Tech™ Freezing Spray

Freezing spray for use during microtomy. Available for purchase in the EU.

- Ozone friendly

234 mL

| Description | Quantity | Order Number |
|--|-----------|--------------|
| Richard-Allan Scientific Cytocool II freezing spray (11 oz / 325 mL) | 12 / case | 8323 |
| Ice-It rapid freezing spray (11 oz / 325 mL) | 12 / case | 8325 |
| Shandon Freezing Spray (234 mL) | ea. | 6769038 |



GEMINI AS

Staining
consistently
clear results

Confidence begins with a crisp, well-defined stain

Epredia histology and cytology stains produce consistent, clear results for hospitals, cancer centers and private labs.

High-Performance

- Achieve optimum staining performance
- Nuclear clarity and superb definition
- Wide variety of easy-to-use special stains

Intelligent Workflow Optimization

- Top-of-the-line instruments designed to save on space and offer automatic optimization of staining routines
- Conduct manual staining procedures with our wide selection of staining racks and accessories

The Total Solution

- Reduce spills with easy-to-pour dehydrants
- Ensure high-quality and consistent results with reagent grade cleaning reagents
- Get peace of mind with Epredia extended service contracts that include preventative maintenance and thorough, expedited repairs, ensuring minimal downtime in your laboratory



Gemini AS Slide Stainer



Versatility in action

- 26 reagent stations – enough to run several protocols. Fully editable, user defined protocols allow the user to perform multiple actions at once, saving time
- Urgent start gives user the opportunity to prioritize “urgent” baskets without compromising those already in process
- Open system uses EpreDia stains and reagents
- Compatible with EpreDia range of coverslippers and Slide Basket Transfer System to reduce time in the lab
- Five optional on-board heaters cater to slide drying in high-volume situations

Auto-Optimization

- Easy-to-use software schedules runs, allocates reagents, optimizes reagent layout, and calculates the most efficient route for each protocol to maximize throughput and minimize reagent carryover
- Step-start capability allows protocols to be started from any step
- Quality control system can be set to monitor reagent usage and batch throughput
- PIN protection system secures operator’s customized protocols and settings

Space-Saving Design

- Unique, small footprint allows Gemini AS stainer to fit into any laboratory space
- Reagent stations are easy to access with a turntable on the lower level

Physical Specifications

Dimensions (D x W x H):
31 x 28.5 x 35 in.
(79 x 72 x 88.8 cm)

Weight: 192 lbs / 87 kg

Power requirements:
300 VA at 100-240 VAC, 50/60 Hz

Includes:

Unheated stainer; 35 stain pots (320 mL fill volume) supplied, fitted. Heated stainer; 30 stain pots (320 mL fill volume) and five heater pots supplied, fitted. Both models contain charcoal filter, staining baskets/carriers (5/pk x 2), three-well water station (two fitted), single pot covers (6/pk.), multi-pot covers (4/pk.), 2.5 m water inlet hose, spare staining pots (3/pk.), operator guide, operator guide CD, laminated quick reference cards and service record book

| Description | Order Number |
|----------------------------------|--------------|
| Gemini AS with 5 heater stations | A81500001 |
| Gemini AS unheated | A81500002 |

| Accessories | Order Number |
|--|--------------|
| Charcoal filter | 9990610 |
| Static water wash station | A78010226 |
| Vent adapter kit | A78010467 |
| Water wash pot, 3 well | A78010201 |
| Water wash inlet hose | AP14160 |
| 1 GB USB stick | AP17385 |
| Reagent pot (3 / pk.) | A78010487 |
| Reagent pot cover, multi-pot (4 / pk.) | A78010488 |
| Reagent pot cover, single pot (6 / pk.) | A78010489 |
| Basket/carrier (5 / pk.) (each holds 20 slides) | A78010466 |
| Gemini baskets (ClearVue compatible), black slider (5 / pk.) | A79210064 |
| Gemini baskets (ClearVue compatible), white slider (5 / pk.) | A79210065 |
| Carrier for Sakura™ racks (5 / pk.) | A78010404 |
| Pot insert for manual coverslipping (3 / pk.) | A78010505 |
| Basket adapter for large slides up to 3 x 2.3 in. (45 x 58 mm) (5 / pk.) | |



Did you know that EpreDia offers a combined staining and coverslipping solution?

Checkout the [Slide Basket Transfer System](#), compatible with the ClearVue coverslipper and Gemini AS slide stainer

You'll need:



staining assemblies



staining accessories



staining jars



staining reagents



Manual Staining Station

The Manual Staining Station is ideal for unique staining needs, frozen sections, or special stains.

- Uses the same staining troughs and slide baskets as the Gemini AS slide stainer
- Best when used for low-volume procedures
- Sturdy cover closes over troughs to minimize evaporation
- Baskets are designed to lock slides into position even when turned upside down
- Slide baskets hold 20 standard microscope slides
- Troughs hold 11 fl oz (320 mL) of reagent

Physical Specifications

Dimensions:

(D x W x H): 7.1 x 39.4 x 4.7 in.
(18 x 100 x 12 cm)

Includes:

Kit includes a steel support rack, a complete set of fourteen staining troughs (No. A78010487) and five slide baskets with carriers (No. A78010466) ; 5/pk)

| Description | Order Number |
|-------------------------|--------------|
| Manual Staining Station | A78500001 |

| Accessories | Order Number |
|---------------------------------|--------------|
| Staining troughs (3 / pk.) | A78010487 |
| Reagent trough cover, (6 / pk.) | A78010489 |

You'll need:





Linistat Linear Stainer

Streamline your laboratory's workflow during frozen sectioning with the Linistat linear stainer, a compact and efficient staining device that is ideally suited to H&E frozen sections.

- Designed to fit on top of most cryostats
- Fourteen staining stations (twenty seconds each)
- Running water and a thirteen-slide capacity collection tank
- Staining time is under five minutes
- For situations that require hand staining, technicians may dip through the stations, eliminating the need to set up separate staining dishes
- Color-coded slide clips correspond to the colored slides and colored frozen section embedding media, Cryochrome™

Physical Specifications

Dimensions (D x W x H):
7.5 x 25 x 7.5 in.
(19 x 64 x 19 cm)

Clearance height: 10.25 in.

Weight: 16.3 lbs (7.3 kg)

Power requirements:
115 Vac, 60 Hz, 1.0A
230 Vac, 50 Hz, 0.5A

Includes:

Single station staining dishes,
double station staining dishes,
slide clips and rinse water
tubing kit.†

† Contents, packaging and quantities
of inclusions are subject to change
without prior notice.

| Description | Order Number |
|------------------------------|--------------|
| Linistat; 110 - 120 V; 60 Hz | B1000200 |
| Linistat; 220 - 240 V; 50 Hz | B1000201 |

| Accessories | Order Number |
|---|--------------|
| Double station staining dishes (5 / pk.) | 6754004 |
| Single station staining dishes (10 / pk.) | 6754003 |
| Slide clips, pink (25 / pk.) | 6754005 |
| Slide clips, blue (25 / pk.) | 6754006 |
| Slide clips, yellow (25 / pk.) | 6754007 |
| Slide clips, green (25 / pk.) | 6754008 |
| Anti-evaporation lid (single station) | 231644 |
| Anti-evaporation lid (double station) | 231645 |
| Anti-evaporation lid (triple station) | 231646 |
| Stainless steel holding tank | A79830072 |
| Stainless steel evaporation; 18 in. (46 cm) | A79830022 |

You'll need:





Slide Basket Transfer System

The Slide Basket Transfer System (SBTS) eliminates the need to manually transfer slide baskets from the Gemini AS slide stainer to the ClearVue coverslipper.

- Free up your team's time with automatic transfer from the Gemini AS slide stainer to the ClearVue coverslipper
- Simply place slides in the Gemini AS slide stainer and carry on with other tasks without distraction
- The system will alert you when the slides have finished coverslipping in the ClearVue coverslipper
- With a small footprint, the combined system of the Gemini AS slide stainer, Slide Basket Transfer System, and ClearVue coverslipper seamlessly fits into virtually any laboratory workflow
- Compatible with the Gemini AS and ClearVue systems made after February 2018 only

| Description | Order Number |
|------------------------------|--------------|
| Slide Basket Transfer System | A84500001 |

| Accessories | Order Number |
|--------------------|--------------|
| SBTS baskets (5) | A84510032 |
| SBTS baskets (5) | A84510041 |
| Operator guide | A84510100 |
| Documentation CD | A84510100-CD |
| Xylene tray | A84530101 |
| Manual unload tool | A84530110 |
| Wash bottle | AP18730 |

Physical Specifications

Dimensions (D x W x H):
31.1 x 61.81 x 35.04 in.
(79 x 157 x 89 cm)

Weight:
365 lbs, 165 kg

Power requirements:
100-240 Vac, 50/60 Hz, 600 VA

You'll need:





Complete Staining Assemblies



Complete Staining Assembly 110

- Complete assembly 110 includes rack/handle (No. 113), dish (No. 112) and cover (No. 111)
- Staining rack 113 is made from stainless steel and holds up to 30 slides; maximum slide size is 3 x 2 in. (76 x 51 mm)
- Staining dish 112 is made from stainless steel with inside dimensions of 4.3 x 3.35 x 2.95 in. (110 x 85 x 75 mm)
- Staining dish holds up to 350 mL of solution with a fully loaded staining rack
- Staining dish cover 111 is made from stainless steel



Complete Staining Assembly 121

- Complete assembly 121 includes rack/handle (No. 113), dish (No. 122) and cover (No. 123)
- Staining rack 113 is made from stainless steel and holds up to 30 slides; maximum slide size is 3 x 2 in. (76 x 51 mm)
- Staining dish 122 is made from non-autoclavable glass with inside dimensions of 4.3 x 3.6 x 2.6 in. (110 x 92 x 67 mm)
- Staining dish holds up to 350 mL of solution with a fully loaded staining rack
- Staining dish cover 123 is made from stainless steel



Complete Staining Assembly 130

- Complete assembly 130 includes rack/handle (No. 120), dish (No. 131) and cover (No. 132)
- Staining rack 120 is made from stainless steel and holds up to 60 slides; maximum slide size is 3 x 2 in. (76 x 51 mm)
- Staining dish 131 is made from non-autoclavable glass with inside dimensions of 7.95 x 4.4 x 2.8 in. (202 x 112 x 72 mm)
- Staining dish holds up to 750 mL of solution with a fully loaded staining rack
- Staining dish cover 132 is made from stainless steel

| Description | Order Number |
|------------------------------|--------------|
| Complete Assembly 110 | 110 |
| Staining rack | 113 |
| Staining dish | 112 |
| Staining dish cover | 111 |
| Complete Assembly 121 | 121 |
| Staining rack | 113 |
| Staining dish | 122 |
| Staining dish cover | 123 |
| Complete Assembly 130 | 130 |
| Staining rack | 120 |
| Staining dish | 131 |
| Staining dish cover | 132 |

Epredia Staining Accessories



Vertical Staining Rack

- Constructed of welded stainless steel for durability
- Holds 38 (76 x 26 mm) slides vertically
- Slides fit into individual slots to allow for free exchange and rapid drainage of staining reagents
- Measures 2.5 x 2.35 x 4.1 in. (64 x 60 x 105 mm)



Shandon Slide Holder

- Features individually stamped slots
- Holds ten (76 x 26 mm) slides vertically
- Can be used with the frozen staining kit glass beakers
- Not for use with Coplin jars or Shandon vertical staining jar (No. 140)



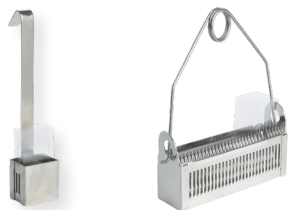
Plastic Slide Grip

- Plastic slide grip is constructed of molded plastic that withstands chemicals used in staining, including special stains
- Hold five (76 x 26 mm) slides
- Can be used in temperatures to 80 °C
- Fits Coplin jars and round-mouthed staining jars



Angus-Ranieri™ Slide Rack

- Holds up to forty 76 x 26 mm slides



Coverglass Staining Racks

- Welded stainless steel racks securely hold 22 mm or 24 mm coverslips
- Available in two sizes
- Five-coverslip rack will fit in vertical staining jar 140 or glass beaker 146
- Thirty-coverslip rack includes a spring-type detachable handle and measures 4.0 x 1.1 x 1.2 in. (102 x 28 x 31 mm)



Polyacetal Trough/Dish

- Polyacetal trough/dish features a molded black polyacetal trough with close-fitting lid
- Can be used with alcohol and xylene, but not phenol
- Capacity: 170 mL



Graduated Stainless Steel Beakers

- Graduated stainless steel beakers feature inside graduated markings that show milliliters and fluid ounces
- Constructed of surgical grade stainless steel

| Accessories | Order Number |
|---|--------------|
| Vertical staining rack | 143 |
| Shandon slide holder | 147 |
| Plastic slide grip | 1975 |
| Angus-Ranieri slide rack | |
| Coverglass staining rack (30 coverslips) | 114 |
| Coverglass staining rack (5 coverslips) | 116 |
| Polyacetal Trough/Dish | |
| Graduated stainless steel beaker (940 mL) | 8532 |
| Graduated stainless steel beaker (470 mL) | 8516 |

Staining Jars



Coplin Staining Jar

- A heavy, clear glass jar with internal grooves
- Holds ten slides (76 x 26 mm) back-to-back
- Includes a glass drop-on lid or a plastic screw-on lid



Plastic Coplin Staining Jar

- A microwavable, high-density polyethylene jar with internal grooves
- Holds ten slides back-to-back
- For general purpose use
- 40 mm diameter; circular, tapered top
- Includes domed, screw-on cap

Columbia Jar

- A glass jar to accept 22 x 22 mm coverslips
- Low volume requirement (8 mL) makes this suitable for use with costly reagents
- Supplied with plastic screw-on cap



Spill-Free Jar

- Holds ten slides, one per slot
- 1.4 x 1 in. (36 x 26 mm) rectangular top with straight body
- Polypropylene construction with internal grooves
- Integral snap-lock lid with reagent-proof lid seal
- Microwavable

| Description | Qty. | Order Number |
|--|-----------|--------------|
| Coplin Staining Jar | | |
| Drop-on lid | ea. | E94 |
| Screw-on lid | ea. | 107 |
| Plastic Coplin Staining Jar | | |
| Plastic Coplin staining jar | ea. | 194 |
| Columbia Jar | | |
| Columbia jar (fits 4 coverslips, 8 back-to-back) | ea. | E93 |
| Plastic Spill-Free Slide Jar | | |
| Plastic spill-free slide jar | ea. | 1001362 |
| Plastic spill-free slide jar | 12 / pk. | 1001363 |
| Plastic spill-free slide jar | 48 / case | 1001361 |

Richard–Allan Scientific Signature Stains

Richard-Allan Scientific Hematoxylin 7211

Richard-Allan Scientific Signature Series Hematoxylin 7211 is a uniquely formulated product that yields results which exceed that of Gill or Harris Hematoxylin.

- No affinity for acid mucopolysaccharide (mucin) staining
- Crisp slides with clear, well-defined nuclear chromatin delineation

Richard-Allan Scientific Hematoxylin 7212

Richard-Allan Scientific Signature Series 7212 offers a unique formula consisting of a new generation dye-lake complex.

- Rapid, progressive stain requires no filtration prior to use
- Contains no mercuric oxide
- Little affinity for mucin staining
- Results in clear, crisp nuclear stain with a deeper, more robust intensity

Richard-Allan Scientific Hematoxylin 1

Richard-Allan Scientific Signature Series Hematoxylin 1 produces staining intensities similar to Gill™ 1, 2 and 3 Hematoxylin, based on timing.

- Differentiation is not necessary, however, Clarifier 1 should be used to eliminate any background staining caused by use of excessive water bath adhesive
- Rapid stain requires no filtration prior to use
- Will not form crystals upon standing or exposure to cold weather

Richard-Allan Scientific Hematoxylin 2

Richard-Allan Scientific Signature Series Hematoxylin 2 produces staining intensity similar to Harris Hematoxylin.

- Unlike many comparable products, Hematoxylin 2 does not contain mercuric oxide and will not form a metallic sheen over its surface each day
- Differentiation is not necessary, however, Clarifier 2 should be used to eliminate any background staining caused by the use of excessive water bath adhesive
- Recommended for frozen sections
- Requires no filtration prior to use
- Will not form crystals upon standing or exposure to cold weather

Richard-Allan Scientific Eosin-Y

Richard-Allan Scientific Signature Series Eosin-Y is a fast-acting, alcoholic counterstain that provides excellent delineation of cytoplasmic components.

- Color contrast between the nuclei and cytoplasm is unmatched
- Various shades of red and pink differentiate muscle, red blood cells, and connective tissue
- Strict quality assurance guarantees product consistency and longevity
- Quantitative testing eliminates the need for adjustments in dilution or time

Richard-Allan Scientific Bluing Reagent

Richard-Allan Scientific Signature Series Bluing Reagent is premixed and ready-to-use.

- Buffered to ensure proper alkalinity (pH = 8.0)
- Requires only a one minute rinse in water versus conventional bluing agents which require up to five minutes of rinsing
- Ensures crisp nuclear detail

Richard-Allan Scientific Clarifier 1, 2

Richard-Allan Scientific Signature Series Clarifier 1 and 2 are unique acetic acid formulations designed to remove background stain caused by excessive use of tissue adhesive and to increase cell transparency.

- Both Clarifier 1 and 2 selectively remove hematoxylin staining from excess adhesive without affecting nuclear staining
- Use of Clarifier 1 or 2 improves contrast between nuclei and cytoplasm

| Description | Qty. | Order Number | Description | Qty. | Order Number |
|--|----------|--------------|--|----------|--------------|
| Richard-Allan Scientific Hematoxylin 7211 | | | Richard-Allan Scientific Bluing Reagent | | |
| 1 pt (0.47 L) | 4 / case | 7211 | 1 gal (3.8 L) | ea. | 7301 |
| 1.32 gal (5 L) | ea. | 7211L | 1 gal (3.8 L) | 4 / case | 7341 |
| Richard-Allan Scientific Hematoxylin 7212 | | | 1.32 gal (5 L) | ea. | 7301L |
| 1 pt (0.4 L) | 4 / case | 7212 | Richard Allan Scientific Clarifier 1, 2 | | |
| 1.32 gal (5 L) | ea. | 7212L | Clarifier 1 | | |
| Richard-Allan Scientific Hematoxylin 1 | | | 1 gal (3.8 L) | ea. | 7401 |
| 1 pt (0.47 L) | 4 / case | 7221 | 1 gal (3.8 L) | 4 / case | 7441 |
| 1.32 gal (5 L) | ea. | 7221L | Clarifier 2 | | |
| Richard-Allan Scientific Hematoxylin 2 | | | 1 gal (3.8 L) | ea. | 7402 |
| 1 pt (0.47 L) | 4 / case | 7231 | 1 gal (3.8 L) | 4 / case | 7442 |
| Richard-Allan Scientific Eosin-Y | | | 1.32 gal (5 L) | ea. | 7402L |
| 1 pt (0.47 L) | 4 / case | 7111 | | | |
| 1.32 gal (5 L) | ea. | 7111L | | | |



Richard–Allan Scientific Standard Stains

Richard-Allan Scientific Gill 1, 2, 3 Hematoxylin

Richard-Allan Scientific™ Gill™ Hematoxylin are progressive nuclear stains. Three strengths are available, allowing the user complete control of staining intensities.

- Gill 1 is recommended for use in cytology
- Gill 2 has applications in histology and cytology
- Gill 3 is used in histology
- All are premixed and ready to use

Richard-Allan Scientific Modified Harris Hematoxylin

Richard-Allan Scientific Modified Harris Hematoxylin is a regressive nuclear stain.

- Formulation contains no mercury and is more stable than conventional Harris Hematoxylin
- Can be used in both histology and cytology
- Should be filtered prior to use

Richard-Allan Scientific Modified Mayer's Hematoxylin

Richard-Allan Scientific Modified Mayer's Hematoxylin is a progressive nuclear stain. It is difficult to over stain sections with this product, yet very crisp nuclear staining is achieved.

- A good choice as a counterstain in immunoperoxidase and special stain procedures
- Requires no acid rinse and does not stain mucin
- Recommended for use when less intense results are desired

Richard-Allan Scientific Differentiating Solution

Richard-Allan Scientific Differentiating Solution is a standard formulation of hydrochloric acid in denatured alcohol.

- Reproducible batch results allow for consistent staining in regressive procedures
- Solution provides clear differentiation and contrast between the hematoxylin and eosin

Richard-Allan Scientific Eosin-Y Alcoholic, Eosin-Y with Phloxine, Eosin-Y Saturated

Richard-Allan Scientific Eosin-Y Alcoholic, Eosin-Y with Phloxine, and Eosin-Y Saturated were developed to satisfy a wide range of customer needs.

- Strict quality control of raw materials and finished product ensures the highest product quality every time
- Eosin-Y Alcoholic produces three distinct color variations enhancing differentiation between muscle, red blood cells and connective tissue
- Eosin-Y with Phloxine yields a brighter reddish hue and a more dramatic differentiation of cytoplasmic color than Eosin-Y Alcoholic
- Eosin-Y Saturated is very intense and rapid counterstain that can be used to make working solutions of Eosin-Y

Powdered Stains

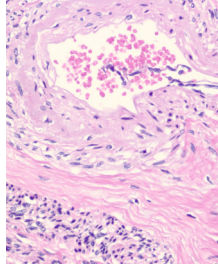
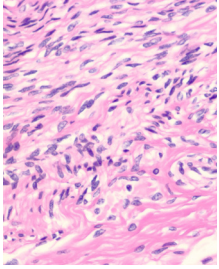
Certified by the Biological Stain Commission

| Description | Qty. | Order Number |
|--|----------|--------------|
| Richard-Allan Scientific Gill 1, 2, 3 Hematoxylin | | |
| Gill 1 Hematoxylin | | |
| 1 pt (0.47 L) | 4 / case | 72404 |
| 1 gal (3.8 L) | ea. | 72411 |
| Gill 2 Hematoxylin | | |
| 1 pt (0.47 L) | 4 / case | 72504 |
| 1 gal (3.8 L) | ea. | 72511 |
| Gill 3 Hematoxylin | | |
| 1 pt (0.47 L) | 4 / case | 72604 |
| 1 gal (3.8 L) | ea. | 72611 |
| Richard-Allan Scientific Modified Harris Hematoxylin | | |
| 1 gal (3.8 L) | ea. | 72704 |
| 1 gal (3.8 L) | 4 / case | 72711 |
| Richard-Allan Scientific Modified Mayer's Hematoxylin | | |
| 1 pt. (0.47 L) | 4 / case | 72804 |
| Richard-Allan Scientific Differentiating Solution | | |
| 1 pt (0.47 L) | 4 / case | 74204 |
| 1 gal (3.8 L) | ea. | 74211 |
| Richard-Allan Scientific Eosin-Y Alcoholic | | |
| 1 pt (0.47 L) | 4 / case | 71204 |
| 1 gal (3.8 L) | ea. | 71211 |
| 2.5 gal (9.46 L) cubitainer | ea. | 71225 |

| Description | Qty. | Order Number |
|---|----------|--------------|
| Richard-Allan Scientific Eosin-Y with Phloxine | | |
| 1 pt (0.47 L) | 4 / case | 71304 |
| 1 gal (3.8 L) | ea. | 71311 |
| Richard-Allan Scientific Eosin-Y Saturated | | |
| 1 pt (0.47 L) | 4 / case | 71304 |
| Richard-Allan Scientific Dry Powder Stains | | |
| Eosin-Y 100 g | ea. | 90017 |
| Hematoxylin 25 g | ea. | 90022 |



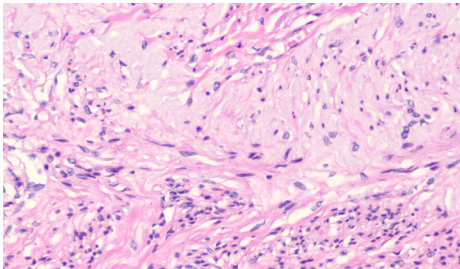
Shandon Staining Reagents



Shandon Harris Hematoxylin

Shandon Harris Hematoxylin has no mucoid staining.

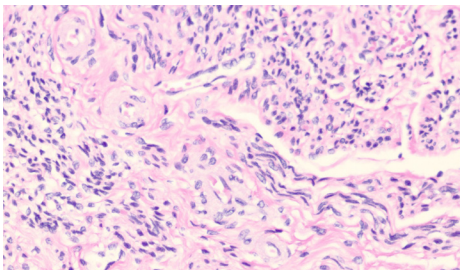
- Available both acidified or non-acidified
- Mercury-free
- Intensely stained, blue black nuclei



Shandon Instant Hematoxylin

Shandon Instant Hematoxylin has no mucoid staining.

- May be used as a substitute for Harris or Gill
- Stains from blue-black to light blue depending upon preparation
- Part A and Part B are reconstituted to make one liter of hematoxylin



Shandon Gill Hematoxylin 1, 2, 3

Shandon™ Gill™ Hematoxylin has mucoid staining.

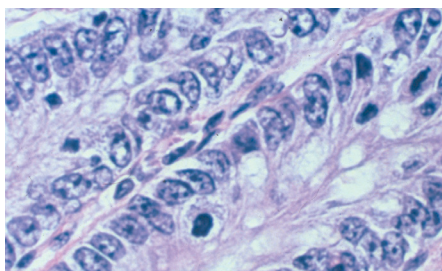
- Gill 1: Light blue nuclei
- Gill 2: Medium blue nuclei
- Gill 3: Blue-black nuclei



Shandon Bluing Reagent

Shandon Bluing Reagent blues hematoxylin stained nuclei.

- Gentle, with no loss or lifting of material from slides (typically associated with ammonia water use)
- Thoroughly pH-controlled for completely effective bluing
- Ready-to-use



Shandon Nu-Clear

Shandon™ Nu-Clear™ reagent is a specially formulated acid alcohol solution. Acid alcohol enhances staining by removing excess Hematoxylin from the slide, resulting in improved cellular clarity. Will also remove the residual Hematoxylin staining the glass.

- Designed to be used with the full line of Epredia automatic stainers as well as manual methods.

Nu-Clear I

- Fast-acting solution
- Recommended for use as a 10-second step in most protocols
- Particularly beneficial for use with Harris Hematoxylin
- May be used on the Epredia Gemini AS Slide Stainer

Nu-Clear II

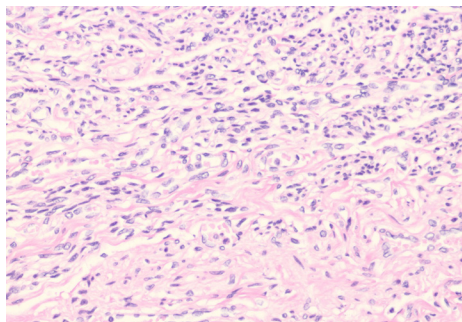
- Less concentrated
- Recommended as a 20-second step
- May be used on the Epredia Linistat stainer and other linear stainers
- Recommended for use with Gill Hematoxylin

Shandon Eosin-Y

Shandon Eosin-Y is a fast-acting cytoplasmic counterstain.

- Produces consistent results
- pH-adjusted for maximum stain uptake
- Produces brilliant staining
- Compatible with all alum Hematoxylin stains
- Available in alcoholic or aqueous formulations
- Ready-to-use





Shandon Instant Eosin

Shandon Instant Eosin Produces consistent results.

- This instant Eosin is stable, precipitate-free and requires no filtering
- pH-adjusted for maximum stain uptake
- Produces brilliant staining
- Compatible with all alum Hematoxylin stains

| Description | Qty. | Order Number |
|---|----------|--------------|
| Shandon Harris Hematoxylin Non-Acidified | | |
| 0.26 gal (1 L) | 2 / case | 6765001 |
| 1.06 gal (4 L) | ea. | 6765002 |
| Shandon Harris Hematoxylin Acidified | | |
| 0.26 gal (1 L) | 2 / case | 6765003 |
| 1.06 gal (4 L) | ea. | 6765004 |
| Shandon Instant Hematoxylin | | |
| Makes 6 L | 6 / pack | 6765015 |
| Shandon Gill Hematoxylin 1, 2, 3 | | |
| Gill 1 Hematoxylin | | |
| 0.26 gal (1 L) | 2 / case | 6765005 |
| 1.06 gal (4 L) | ea. | 6765006 |
| Gill 2 Hematoxylin | | |
| 0.26 gal (1 L) | 2 / case | 6765007 |
| 1.06 gal (4 L) | ea. | 6765008 |
| Gill 3 Hematoxylin | | |
| 0.26 gal (1 L) | 2 / case | 6765009 |
| Shandon Bluing Reagent | | |
| 0.26 gal (1 L) | 2 / case | 6769001 |
| 1.06 gal (4 L) | ea. | 6769002 |
| Shandon Nu-Clear | | |
| Nu Clear I 1.06 gal (4 L) | ea. | 6769008 |
| Nu Clear II 1.06 gal (4 L) | ea. | 6769009 |

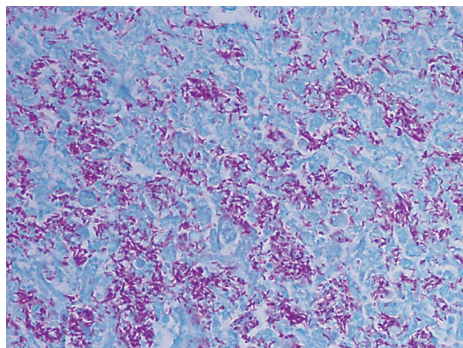
| Description | Qty. | Order Number |
|--|----------|--------------|
| Shandon Eosin-Y Alcoholic | | |
| 0.26 gal (1 L) | 2 / case | 6766007 |
| 1.06 gal (4 L) | ea. | 6766008 |
| Shandon Eosin-Y Aqueous | | |
| 0.26 gal (1 L) | 2 / case | 6766009 |
| 1.06 gal (4 L) | ea. | 6766010 |
| Shandon Instant Eosin Alcoholic | | |
| Makes 6 L | 6 / pack | 6765040 |
| Shandon Instant Eosin Aqueous | | |
| Makes 6 L | 6 / pack | 6765540 |

Richard-Allan Scientific Chromaview Special Stain Kits

Richard-Allan Scientific™ Chromaview™ Special Stains function together as a system to visualize specific cell entities

Bring a systems-approach to special stains offering quality, consistency, ease of use and economy. Available as convenient, ready-to-use kits or as individual components. Each kit is designed to yield ten applications utilizing 50 mL coplin jars.



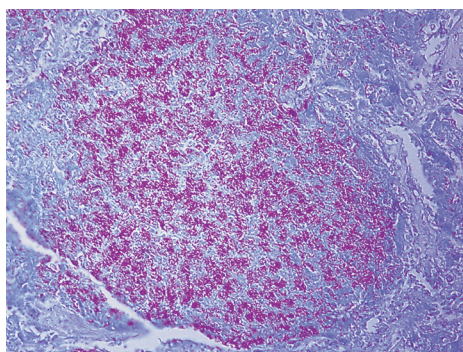


Richard-Allan Scientific Acid-Fast Bacillus Stain (Green Secondary Stains)

Richard-Allan Scientific Acid Fast Bacillus (Green Secondary Stains) is used to identify the presence of acid-fast bacilli in tissue sections and to produce optimal staining while reducing precipitate.

- Acid-fast bacilli are stained bright red against a pale green background

| Description | Size | Qty. | Order Number |
|---|--------|----------|--------------|
| Acid Fast Bacillus, Green Secondary stain kit | 1 kit | ea. | 87015 |
| Components | | | |
| Carbol Fuschin solution | 125 mL | ea. | 88001 |
| Fast Green Stain solution | 500 mL | ea. | 88003 |
| Differentiating solution | 500 mL | 2 / case | 88117 |

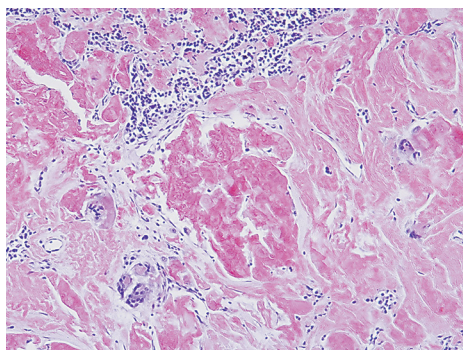


Richard-Allan Scientific Acid-Fast Bacillus Stain (Blue Secondary Stains)

Richard-Allan Scientific Acid Fast Bacillus (Blue Secondary Stains) is used to identify the presence of acid-fast bacilli in tissue sections and to produce optimal staining while reducing precipitate.

- Acid-fast bacilli are stained bright red against a pale blue background

| Description | Size | Qty. | Order Number |
|--|--------|----------|--------------|
| Acid Fast Bacillus, Blue Secondary stain kit | 1 kit | ea. | 87016 |
| Components | | | |
| Loeffler Methylene Blue stain solution | 250 mL | ea. | 88002 |
| Carbol Fuschin solution | 125 mL | ea. | 88001 |
| Differentiating solution | 500 mL | 2 / case | 88117 |

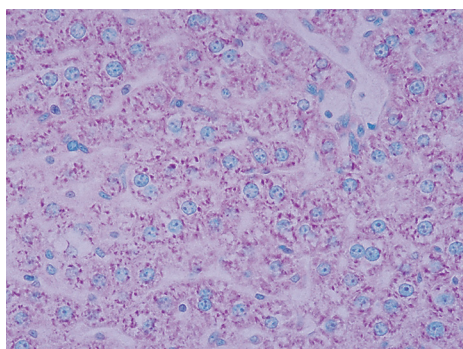


Richard-Allan Scientific Amyloid Stain

Richard-Allan Scientific Amyloid Stain is for the demonstration of amyloid.

- Alkaline Congo Red solution will stain amyloid orange to red and display apple-green birefringence when examined with polarizing microscope

| Description | Size | Qty. | Order Number |
|------------------------------|--------|----------|--------------|
| Amyloid stain kit | 1 kit | ea. | 87003 |
| Components | | | |
| Sodium Hydroxide solution | 8 mL | ea. | 88004 |
| Congo Red solution | 500 mL | ea. | 88005 |
| Modifier Mayer's Hematoxylin | 500 mL | 2 / case | 88006 |

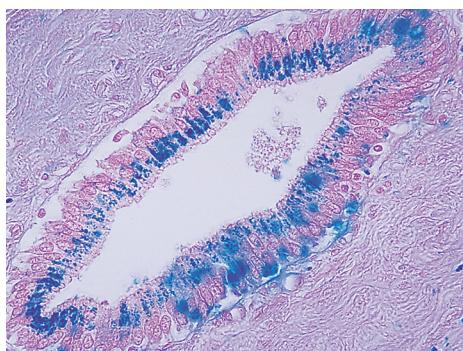


Richard-Allan Scientific Methyl Green-Pyronin Y

Richard-Allan Scientific Methyl Green-Pyronin Y Stain is effective in the identification of plasma cells and RNA in tissue sections and cytological preparations.

- DNA is stained green and RNA is stained red
- Concentrated MGP is diluted prior to use

| Description | Size | Qty. | Order Number |
|------------------------|--------|------|--------------|
| Methyl Green-Pyronin Y | 125 mL | ea. | 87011 |

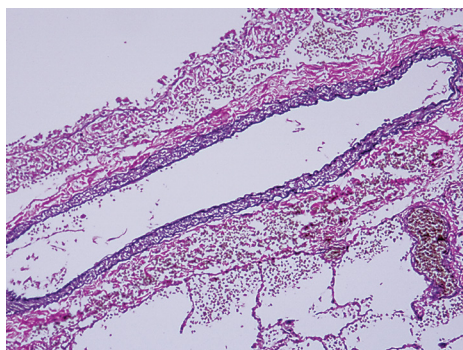


Richard-Allan Scientific Iron Stain

Richard-Allan Scientific Iron Stain is used to detect presence of ferric iron (hemosiderin) in histological or hematological preparations.

- Useful in study of iron deficiency anemia, hemochromatosis and hemosiderosis
- Prussian Blue reaction
- Iron stains blue, nuclei pink-red and cytoplasm pale pink

| Description | Size | Qty. | Order Number |
|------------------------------------|--------|------|--------------|
| Iron stain kit | 1 kit | ea. | 87006 |
| Components | | | |
| Potassium Ferrocyanide solution | 250 mL | ea. | 88013 |
| Hydrochloric acid solution (20%) | 250 mL | ea. | 88014 |
| Nuclear Red Thiazin stain solution | 125 mL | ea. | 88015 |

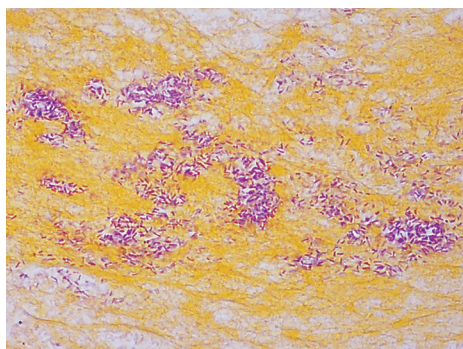


Richard-Allan Scientific Elastic Stain

Richard-Allan Scientific Elastic Stain is based on the Verhoeff Elastic technique.

- Used to demonstrate the atrophy, thinning and loss of elastic tissue
- Also used for identifying the breaks, splitting and reduplication of elastic lamellae that occur in vascular diseases
- Elastic fibers are stained blue-black to black with red collagen and a yellow background

| Description | Size | Qty. | Order Number |
|--------------------------------|--------|------|--------------|
| Elastic stain kit | 1 kit | ea. | 87017 |
| Components | | | |
| Alcoholic Hematoxylin solution | 250 mL | ea. | 88007 |
| Ferric Chloride solution | 125 mL | ea. | 88008 |
| Weigert's Iodine solution | 125 mL | ea. | 88009 |
| Sodium Thiosulfate solution | 500 mL | ea. | 88000 |
| Van Gieson stain solution | 250 mL | ea. | 88011 |

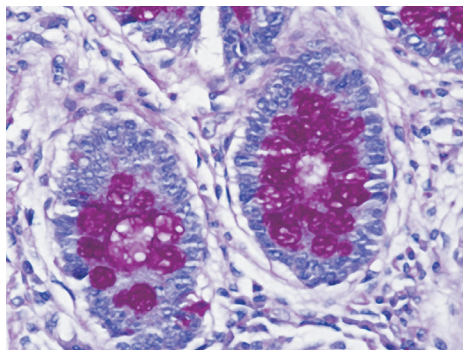


Richard-Allan Scientific Gram Stain (Tissue)

Richard-Allan Scientific Gram Stain (Tissue) identifies Gram-positive and Gram-negative bacteria in tissue sections.

- Gram-positive organisms stain blue to blue-black
- Gram-negative organisms stain red
- Tartrazine provides a yellow background stain

| Description | Size | Qty. | Order Number |
|---------------------------|--------|------|--------------|
| Gram stain kit | 1 kit | ea. | 87018 |
| Components | | | |
| Crystal Violet solution | 500 mL | ea. | 88101 |
| Safranin O stain solution | 500 mL | ea. | 88103 |
| Gram's Iodine | 500 mL | ea. | 88102 |
| Tartrazine stain solution | 500 mL | ea. | 88012 |
| Decolorizing solution | 500 mL | ea. | 88104 |

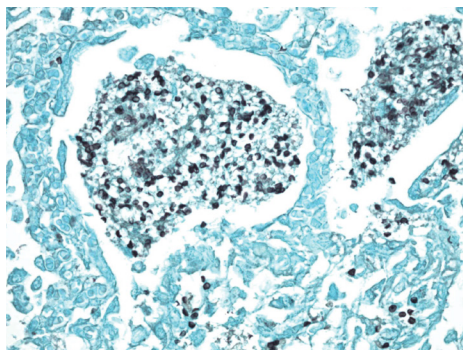


Richard-Allan Scientific Periodic Acid-Schiff (PAS)

Richard-Allan Scientific Periodic Acid-Schiff (PAS) Solution is used to demonstrate the patterns and presence of specific carbohydrates.

- Glycogen, mucin and some basement membranes and fungal walls will stain rose to magenta
- Nuclei stain blue

| Description | Size | Qty. | Order Number |
|-------------------------------|--------|------|--------------|
| PAS kit | 1 kit | ea. | 87007 |
| Components | | | |
| Periodic Acid solution (0.5%) | 500 mL | ea. | 88016 |
| Schiff reagent | 500 mL | ea. | 88017 |
| Hematoxylin 1 | 500 mL | ea. | 88018 |

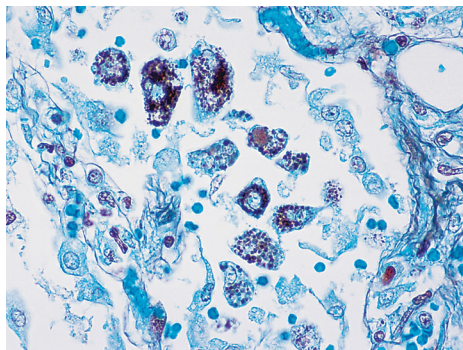


Richard-Allan Scientific Modified Grocott's Methenamine Silver (Chromic Acid)

Richard-Allan Scientific Modified Grocott's Methenamine Silver (Chromic Acid) Kit is a uniquely modified silver stain formulation.

- Utilizes methenamine/borax capsules to make working silver solution
- Distinguishes fungi, basement membranes and opportunistic organisms in tissue sections
- Chromic acid solution will enhance detection of *Pneumocystis carinii*, histoplasmosis and fungus organisms; eliminates non-specific background staining
- Entities and reticular fibers stain black against a green background

| Description | Size | Qty. | Order Number |
|---|--------|--------|--------------|
| Methenamine Silver (Chromic Acid) stain kit | 1 kit | ea. | 87024 |
| Components | | | |
| Methenamine Borax capsules | | 12 ea. | 88023 |
| Fast Green stain solution | 125 mL | ea. | 88024 |
| Sodium Thiosulfate solution | 500 mL | ea. | 88025 |
| Sodium Metabisulfate solution | 500 mL | ea. | 88042 |
| Gold Chloride solution | 125 mL | ea. | 88026 |
| 5% Chromic Acid solution | 500 mL | ea. | 88041 |
| 5% Silver Nitrate solution | 30 mL | ea. | 88021 |

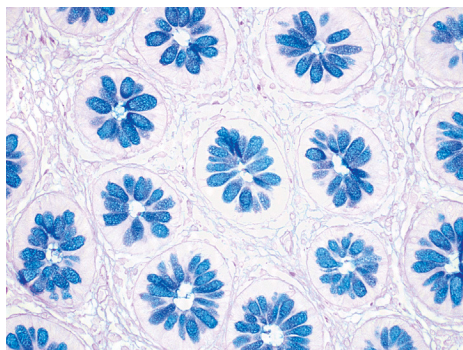


Richard-Allan Scientific Modified Grocott's Methenamine Silver (Periodic Acid)

Richard-Allan Scientific Modified Grocott's Methenamine Silver (Periodic Acid) is a uniquely modified silver stain formulation that utilizes methenamine/borax capsules to make working silver solution.

- Utilizes methenamine/borax capsules to make working silver solution
- Aids in distinguishing fungi, basement membranes and opportunistic organisms such as *Pneumocystis carinii* in tissue sections
- These entities, along with reticular fibers, are stained black

| Description | Size | Qty. | Order Number |
|--|--------|--------|--------------|
| Methenamine Silver (Periodic Acid) stain kit | 1 kit | ea. | 87008 |
| Components | | | |
| Methenamine Borax capsules | | 12 ea. | 88023 |
| Fast Green stain solution | 125 mL | ea. | 88024 |
| Sodium Thiosulfate solution | 500 mL | ea. | 88025 |
| Gold Chloride solution | 125 mL | ea. | 88026 |
| 1% Periodic Acid solution | 125 mL | ea. | 88027 |
| 5% Silver Nitrate solution | 30 mL | ea. | 88036 |

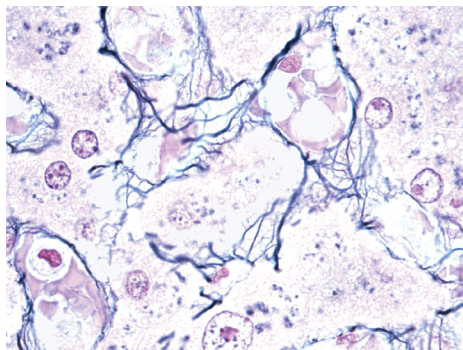


Richard-Allan Scientific Alcian Blue/PAS

Richard-Allan Scientific Alcian Blue/PAS Special Stain Kit is used to demonstrate presence of both neutral and acidic mucosubstances.

- Can be used alone to stain acid mucins and other carboxylated and sulfated acid mucosubstances blue on tissue sections
- Periodic Acid Schiff (PAS) reaction is used to stain glycogen, basement membranes and neutral mucosubstances pink

| Description | Size | Qty. | Order Number |
|-----------------------------------|--------|------|--------------|
| Alcian Blue/PAS stain kit | 1 kit | ea. | 87023 |
| Components | | | |
| Alcian Blue pH 2.5 stain solution | 500 mL | ea. | 88043 |
| 0.5% Periodic acid solution | 500 mL | ea. | 88016 |
| Schiff reagent | 500 mL | ea. | 88017 |

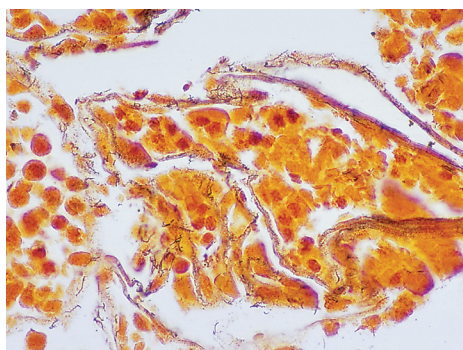


Richard-Allan Scientific Reticulin Silver

Richard-Allan Scientific Reticulin Silver Stain is a Gordon and Sweet's modification that will identify and visualize reticular fibers in tissue sections.

- Working ammoniacal silver solution selectively impregnates and reacts with reticular fibers through multiple reactions, including oxidation and reduction
- Kernechtrot Nuclear Fast Red Stain Solution provides red background stain

| Description | Size | Qty. | Order Number |
|---|--------|------|--------------|
| Reticulin Silver stain kit | 1 kit | ea. | 87025 |
| Components | | | |
| Oxalic Acid solution | 125 mL | ea. | 88045 |
| Potassium Permanganate solution | 125 mL | ea. | 88046 |
| Ferric Ammonium Sulfate solution | 125 mL | ea. | 88047 |
| Reducing solution | 500 mL | ea. | 88048 |
| Gold Chloride solution (0.1%) | 125 mL | ea. | 88026 |
| Sodium Thiosulfate solution | 125 mL | ea. | 88025 |
| Kernechtrot Nuclear Fast Red stain solution | 125 mL | ea. | 88049 |
| 10% Silver Nitrate solution | 125 mL | ea. | 88050 |
| Ammonium Hydroxide solution | 8 mL | ea. | 88051 |
| Sodium Hydroxide solution (3%) | 125 mL | ea. | 88052 |

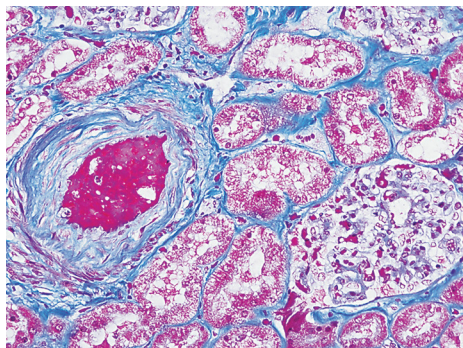


Richard-Allan Scientific Steiner-Steiner Silver

Richard-Allan Scientific Steiner-Steiner Silver Stain determines spirochetes and non-filamentous bacteria.

- Bacteria (including spirochetes and Legionella pneumophila), Donovan bodies and fungi all stain black
- Background is stained yellow to brown
- Kit formulation and detailed procedures provide consistent and reproducible results; kit does not contain uranyl nitrate

| Description | Size | Qty. | Order Number |
|--------------------------------------|----------|------|--------------|
| Steiner-Steiner Silver stain kit | 1 kit | ea. | 87009 |
| Components | | | |
| Silver Nitrate solution #2 (dropper) | 8 mL | ea. | 88021 |
| Silver Nitrate solution #1 | 500 mL | ea. | 88033 |
| Gum Mastic Solution | 500 mL | ea. | 88034 |
| Hydroquinone (capsules) | 6 / pack | 2 | 88035 |
| Sensitizer solution | 500 mL | ea. | 88054 |

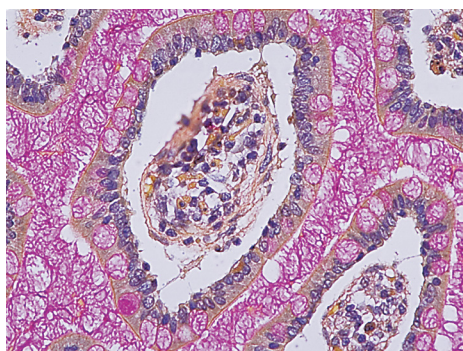


Richard-Allan Scientific Masson Trichrome

Richard-Allan Scientific Masson Trichrome Kit aids in differentiating collagen and smooth muscle in tumors.

- Helps detect diseases of connective tissue and changes in muscle tissue
- Cytoplasm, keratin and muscle fibers are stained red, with collagen and mucin stained blue
- Nuclei are black

| Description | Size | Qty. | Order Number |
|---|--------|------|--------------|
| Masson Trichrome stain kit | 1 kit | ea. | 87019 |
| Components | | | |
| Biebrich Scarlet Acid Fuchsin solution | 250 mL | ea. | 88019 |
| Phosphotungstic-Phosphomolybdic Acid solution | 250 mL | ea. | 88020 |
| Aniline Blue stain solution | 250 mL | ea. | 88022 |
| Weigert's Iron Hematoxylin - part A | 500 mL | ea. | 88028 |
| Weigert's Iron Hematoxylin - part B | 500 mL | ea. | 88029 |
| Bouin's Fluid | 500 mL | ea. | 88038 |
| 1% Acetic Acid solution | 500 mL | ea. | 88039 |

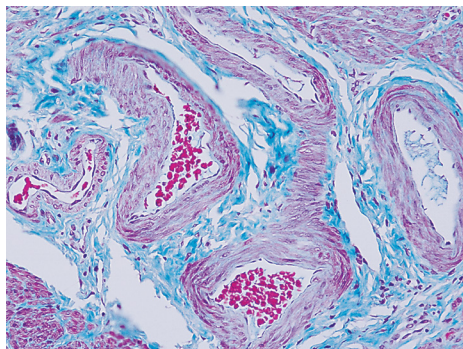


Richard-Allan Scientific Mucicarmine

Richard-Allan Scientific Mucicarmine Stain is useful in the identification of primary tumor sites.

- Aids in distinguishing mucin-negative undifferentiated squamous cell lesions from mucin-positive adenocarcinomas
- Mucin is stained dark rose and the nuclei are black
- Capsule of Cryptococcus (fungus) is stained deep rose
- Tartrazine solution is used as a yellow cytoplasmic stain

| Description | Size | Qty. | Order Number |
|-----------------------------------|--------|------|--------------|
| Mucicarmine stain kit | 1 kit | ea. | 87012 |
| Components | | | |
| Tartrazine stain solution | 500 mL | ea. | 88012 |
| Weigert's Iron Hematoxylin part A | 500 mL | ea. | 88028 |
| Weigert's Iron Hematoxylin part B | 500 mL | ea. | 88029 |
| Mucicarmine Stock solution | 500 mL | ea. | 88037 |

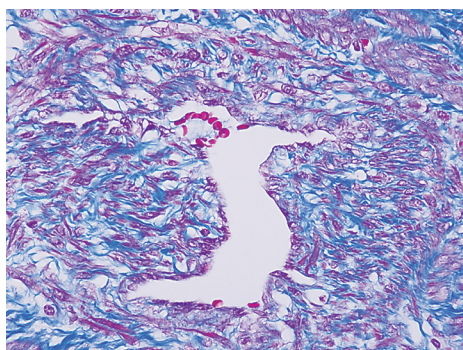


Richard-Allan Scientific Gomori's Trichrome (Green Collagen)

Richard-Allan Scientific Gomori's Trichrome (Green Collagen) is a one-step trichrome stain that provides distinctive red muscle fibers with green collagen staining.

- Used to study the diseases of connective tissue and muscle associated with fibrotic and dystrophic changes

| Description | Size | Qty. | Order Number |
|---|--------|------|--------------|
| Gomori's Trichrome (Green Collagen) stain kit | 1 kit | ea. | 87021 |
| Components | | | |
| Weigert's Iron Hematoxylin part A | 500 mL | ea. | 88028 |
| Weigert's Iron Hematoxylin part B | 500 mL | ea. | 88029 |
| Gomori's Trichrome stain solution, Green Collagen | 500 mL | ea. | 88031 |
| Bouin's Fluid | 500 mL | ea. | 88038 |
| 1% Acetic Acid solution | 500 mL | ea. | 88039 |



Richard-Allan Gomori's Trichrome (Blue Collagen)

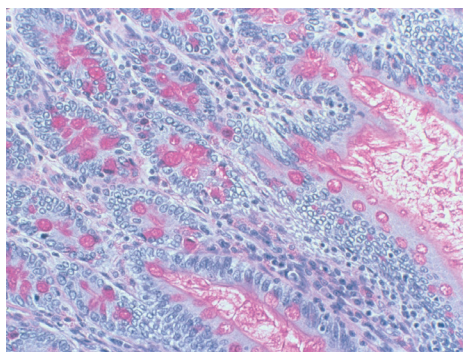
Richard-Allan Scientific Gomori's Trichrome (Blue Collagen) is a one-step trichrome stain that achieves color differentiation similar to the Masson Trichrome with a simple, time-saving procedure.

- Used to study the diseases of connective tissue and muscle associated with fibrotic and dystrophic changes
- Collagen is stained blue, cytoplasm and muscle fibers red and the nuclei blue to black

| Description | Size | Qty. | Order Number |
|--|--------|------|--------------|
| Gomori's Trichrome (Blue Collagen) stain kit | 1 kit | ea. | 87020 |
| Components | | | |
| Weigert's Iron Hematoxylin part A | 500 mL | ea. | 88028 |
| Weigert's Iron Hematoxylin part B | 500 mL | ea. | 88029 |
| Gomori's Trichrome stain solution, Blue Collagen | 500 mL | ea. | 88038 |
| Bouin's Fluid | 500 mL | ea. | 88038 |
| 1% Acetic Acid solution | 500 mL | ea. | 88039 |

Richard-Allan Scientific Solutions

| Description | Size | Qty. | Order Number |
|--|--------|------|--------------|
| Carbol Fuschin-Kinyoun solution (cold technique) | 500 mL | ea. | 88106 |
| Carbol Fuschin-Kinyoun solution (heat technique) | 500 mL | ea. | 88107 |
| Carbol Fuschin-Ziehl-Neelsen solution | 1 L | ea. | 88108 |
| Lugol's Iodine solution (concentrate) | 500 mL | ea. | 88114 |



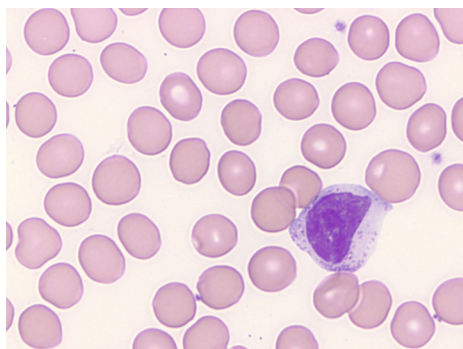
Shandon Periodic Acid Schiff Kit (PAS)

Shandon Periodic Acid Schiff (PAS) is for the demonstration of polysaccharides, neutral mucosubstances and basement membranes.

- Kit components include: 0.5% Periodic acid, Schiff reagent, Potassium metabisulfate, Acidified Harris hematoxylin, Potassium phosphate buffer, Diatase powder

| Description | Size | Qty. | Order Number |
|--------------------------|--------|------|--------------|
| Periodic Acid Schiff kit | 250 mL | ea. | B24200-250 |

Richard-Allan Scientific Hematology Stains

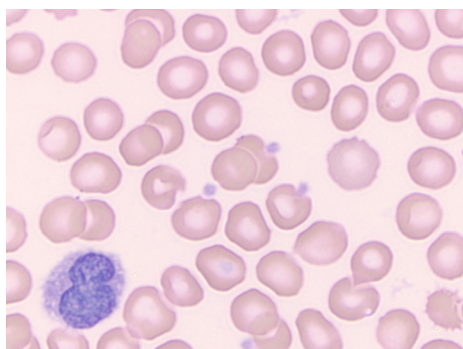


Richard-Allan Scientific Wright Stain

Richard-Allan Scientific Wright Stain is a dual-use stain for peripheral blood and bone marrow smears.

- Produces results similar to those of the Giemsa stain with a slightly greater contrast

| Description | Qty. | Order Number |
|--------------------|------|--------------|
| 1 gal (3.8 L) | ea. | 89010 |
| 2.5 gal cubitainer | ea. | 89011 |
| 0.95 L | ea. | 89012 |

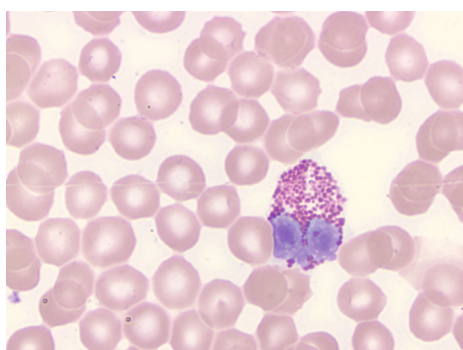


Richard-Allan Scientific Buffered Wright Stain

Richard-Allan Scientific Buffered Wright Stain is a single solution stain containing fixative, buffer and stain for rapid and convenient staining of blood smears.

- Packaged in a 32 oz (0.95 L) bottle for ease of use; suitable for use on automated systems

| Description | Qty. | Order Number |
|-----------------------|------|--------------|
| 32 oz (0.95 L) bottle | ea. | 3111 |

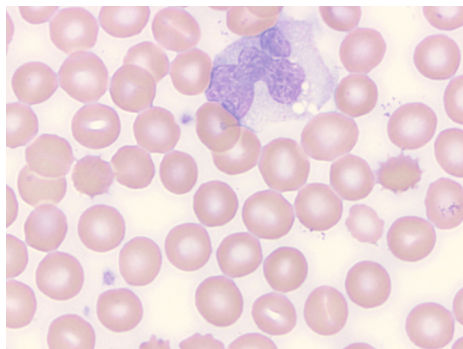


Richard-Allan Scientific Wright-Giemsa Stain

Richard-Allan Scientific Wright-Giemsa Stain is a dual-use stain for peripheral blood and bone marrow smears.

- Produces somewhat darker results compared with Giemsa, particularly in the blue to magenta shades

| Description | Qty. | Order Number |
|--------------------------|------|--------------|
| 32 oz (0.95 L) bottle | ea. | 89013 |
| 1 gal (3.8 L) cubitainer | ea. | 89014 |
| 2.5 gal (9.48 L) cube | ea. | 89017 |

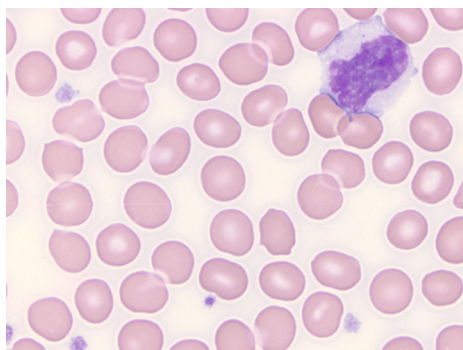


Richard-Allan Scientific Buffered Wright-Giemsa Stain

Richard-Allan Scientific Buffered Wright-Giemsa Stain is a single solution stain containing the fixative, buffer and stain for rapid and convenient staining of blood smears.

- Suitable for use on automated systems

| Description | Qty. | Order Number |
|-----------------------|-----------|--------------|
| 32 oz (0.95 L) bottle | 12 / case | 3121 |



Richard-Allan Scientific May-Grunwald Stain

Richard-Allan Scientific™ May-Grunwald Stain is a classical hematology stain.

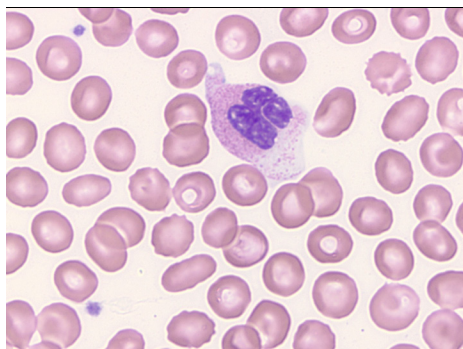
| Description | Qty. | Order Number |
|-----------------------|------|--------------|
| 32 oz (0.95 L) bottle | ea. | 89027 |

Richard-Allan Scientific Reticulocyte Stain

Richard-Allan Scientific Reticulocyte Stain is a specialized hematology stain for identifying immature erythrocytes.

- Immature erythrocytes stain blue in a fine mesh network within the erythrocyte; mature erythrocytes do not stain

| Description | Qty. | Order Number |
|---------------|------|--------------|
| 125 mL bottle | ea. | 89029 |

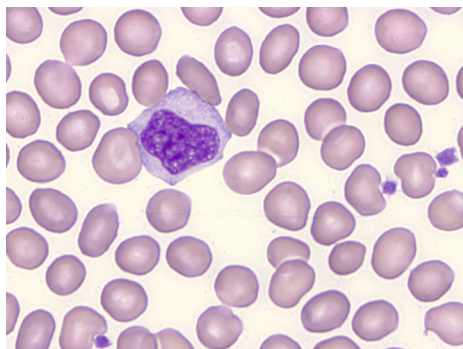


Richard-Allan Scientific Jenner Stain

Richard-Allan Scientific Jenner Stain is used for staining of peripheral blood smears.

- One of the oldest stain formulations still in use today
- Provides results similar to that of Giemsa stain
- Eosinophilic granules tend to appear brighter red, basophilic granules and nuclear chromatin stain a dense blue

| Description | Qty. | Order Number |
|-----------------------|------|--------------|
| 32 oz (0.95 L) bottle | ea. | 89030 |



Richard-Allan Scientific Three-Step Stain

Richard-Allan Scientific Three-Step Stain Set provides results equal to Wright-Giemsa.

- Stain can be used to detect H. Pylori
- Set contains three 500 mL bottles consisting of Fixative
- Package insert provides easy-to-follow instructions
- Components are also available in 1 gallon (3.8 L) containers to facilitate use on automated stainers

| Description | Size | Qty. | Order Number |
|-----------------------|---------------|------|--------------|
| Three-Step stain set | 3 x 500 mL | ea. | 3300 |
| Components | | | |
| Three-Step fixative | 1 gal (3.8 L) | ea. | 3303 |
| Three-Step solution A | 1 gal (3.8 L) | ea. | 3313 |
| Three-Step solution B | 1 gal (3.8 L) | ea. | 3323 |

Richard-Allan Scientific Phosphate Buffer (6.6, 7.2)

Richard-Allan Scientific Phosphate buffers for use with Giemsa, Wright and Wright-Giemsa stains.

- Each single-use bottle yields 0.26 gallon (1 Liter)

| Description | Qty. | Order Number |
|---|---------|--------------|
| Phosphate Buffer pH 6.6 (powder) 9.25 g | 12/case | 89032 |
| Phosphate Buffer pH 7.2 (powder) 9.25 g | 12/case | 89033 |

Richard-Allan Scientific Modified Wright and Wright-Giemsa Hematology Stain Packs

Richard-Allan Scientific Modified Wright and Wright-Giemsa Stain Packs are manufactured to fit Hema-Tek™ 1, 1000 and 2000 slide stainers.

- Each pack comes in a convenient sleeve and contains a buffer, rinse and stain

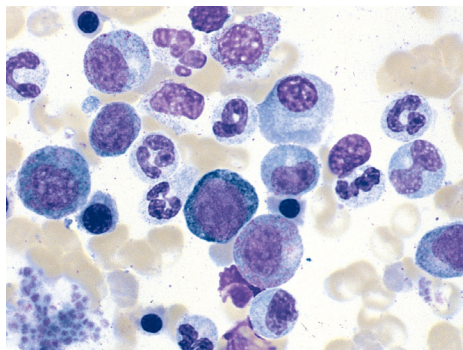


| Description | Qty. | Order Number |
|-----------------------------------|-----------|--------------|
| Modified Wright stain pack | 5 / pk | 3000 |
| Modified Wright-Giemsa stain pack | 5 / pk | 3005 |
| Stain Pack Accessories | | |
| Pump tube set (3 / pk) | 8 / case | 3010 |
| Cannula set (3 / pk) | 16 / case | 3011 |
| Under platen tubing (3 / pk) | 8 / case | 3012 |

Dry Powder Stains

Certified by the Biological Stain Commission.

| Description | Qty. | Order Number |
|--------------------|------|--------------|
| Wright stain 100 g | ea | 90049 |



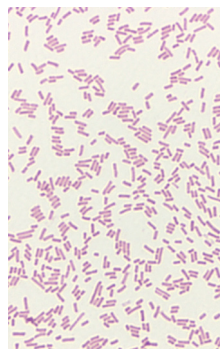
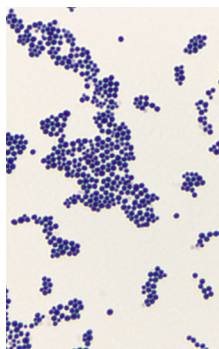
Shandon Kwik-Diff Stains

Shandon™ Kwik-Diff™ Stains are a quick alternative to traditional Wright's and Giemsa Staining procedures.

- Fast three-step differential stain for bone marrows, smears, FNAs and microorganisms such as *Helicobacter pylori*
- Kit components include: Reagent 1, Fixative; Reagent 2, Eosin; Reagent 3, Methylene Blue
- Available in kit form or as individual components

| Description | Size | Order Number |
|-------------------------------------|----------------|--------------|
| Kwik-Diff stain kit | 480 mL | 9990700 |
| Kwik-Diff stain kit | 120 mL | 9990701 |
| Components | | |
| Kwik-Diff Reagent 1, Fixative | 1.06 gal (4 L) | 9990705 |
| Kwik-Diff Reagent 2, Eosin | 1.06 gal (4 L) | 9990706 |
| Kwik-Diff Reagent 3, Methylene Blue | 1.06 gal (4 L) | 9990707 |

Microbiology Stains and Reagents



Richard-Allan Scientific Gram Stain Kit (Film)

Richard-Allan Scientific Gram Stain Kit (Film) provides qualitative differential staining of bacteria from cultures and patient specimens using a modified Hucker Gram stain method.

- Gram-positive microorganisms are stained purple and the Gram-negative bacteria stain pink to red

| Description | Size | Qty. | Order Number |
|-----------------------------|--------|------|--------------|
| Gram stain kit (film) | 1 kit | ea. | 87101 |
| Components | | | |
| Crystal Violet solution | 500 mL | ea. | 88101 |
| Gram's Iodine solution | 500 mL | ea. | 88102 |
| Safranin O stain solution | 500 mL | ea. | 88103 |
| Decolorizing solution | 500 mL | ea. | 88104 |
| Sodium Bicarbonate solution | 8 mL | ea. | 88116 |

Richard-Allan Scientific Microbiology Reagent

| Description | Size | Qty. | Order Number |
|-----------------------|--------|------|--------------|
| Decolorizing solution | 500 mL | ea. | 88104 |

Shandon Gram Stain

Shandon Gram stain can be used as routine bacteriologic stain on fixed smears and histological slides.

- Based upon the popular Hucker modification
- Demonstrates the presence of microorganisms such as bacteria and differentiates between Gram-positive and Gram-negative bacteria
- Safranin O provided as a counterstain
- Available in kit form or as individual components
- Kit components include: Crystal Violet Stain, Gram's Iodine (stabilized),

| Description | Size | Order Number |
|---------------------------|----------------|--------------|
| Gram stain kit | 125 mL | 9990721 |
| Gram Crystal Violet stain | 1.06 gal (4 L) | 9990725 |

Shandon Portable Staining Kits



Shandon Rapid-Chrome Papanicolaou Staining Kit

Shandon™ Rapid-Chrome™ Papanicolaou Staining Kit is excellent for rapid results of fine needle aspirations or high-risk specimens.

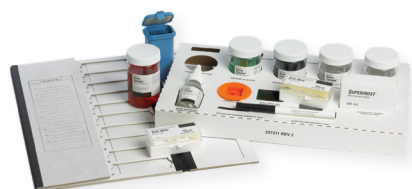
- Contains a five-slide holder and a portable tray
- Kit components include: Gill 2 Hematoxylin, bluing reagent, EA-50, 100% alcohol, OG-6, 95% alcohol, xylene and mounting medium, and one five-slide staining grip
- Packaged in 120 mL glass jars with screw top lids. 60ml reagent fill level
- 9 x 25 x 3.75 in. (22.8 x 63.5 x 9.5 cm)



Shandon Rapid-Chrome H&E Frozen Section Staining Kit

Shandon Rapid-Chrome H&E Frozen Section Staining Kit produces permanently stained slides. It includes Rapid-Fixx™, an economical, alcohol-based formalin ideal for fixing slides from frozen sections.

- Kit components include: Rapid-Fixx fixative, deionized water, Eosin-Y, xylene, Gill 3 Hematoxylin, bluing reagent, 100% alcohol and mounting medium, and five slide staining grips
- Packaged in 120 mL glass jars with screw top lids, 60 mL reagent fill level
- 9 x 18 x 4.75 in. (22.8 x 45.7 x 12 cm)



Shandon Rapid-Chrome Kwik-Diff Staining Kit

Shandon™ Rapid-Chrome Kwik-Diff™ Staining Kit is specially configured for performing quick, high-quality differential stains.

- Ideal for FNA carts
- Packaged in 120 mL glass jars with screw top lids, 60 mL reagent fill level
- Kit components include: Fixative, Methylene Blue, Eosin, spill-free slide jar, one plastic slide grip, Superfrost slides, 24 x 50, No. 1 Coverslip, resin mount mountant, and one cardboard slide folder
- 9 x 18 x 4.75 in. (22.8 x 45.7 x 12 cm)

| Description | Qty. | Order Number |
|------------------------------|------|--------------|
| Papanicolaou stain kit | ea. | 9990020 |
| H&E frozen section stain kit | ea. | 9990001 |
| Kwik-Diff staining kit | ea. | 9990702 |

Coverslipping

freedom
through
innovation



Experience intuitive efficiency with two innovative systems

Coverslipping can be a tedious task in your laboratory. Epredia offers two options for any laboratory, the ClearVue coverslipper with automated coverslipping technologies, and the CTM6 that has the power to coverslip hundreds of slides per hour.

Walk-away Technology

- Place your stained slides in the ClearVue coverslipper and the system will automatically analyze the slide and tissue, selecting the optimum mountant volume and coverslip

Get it Done Faster

- Epredia coverslippers have the power to coverslip hundreds of slides per hour, saving time and allowing you to focus on other tasks in your laboratory

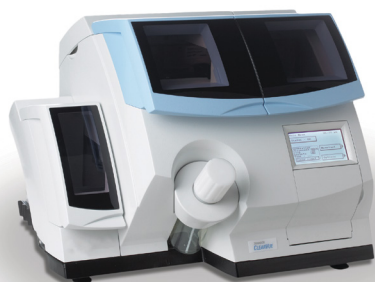
Safety

- Internal vapor extraction systems prevent leakage of harmful fumes, protecting your staff
- Tool-free cleaning and maintenance making cleaning quick and easy

The Total Solution

- Epredia coverslips and mountants are designed for optimized use with your Epredia coverslipper
- Get peace of mind with Epredia extended service contracts that include preventative maintenance and thorough, expedited repairs, ensuring minimal downtime





ClearVue Coverslipper

Simply place a basket of slides onto the load rail and close the door – the ClearVue™ coverslipper does the rest. Delivering speed and accuracy to complete the coverslipping workload for the busiest of laboratories, the ClearVue coverslipper accepts pre-loaded coverslip hoppers to deliver a clean, single coverslip consistently every time.

Compatibility

- Offers compatibility with a variety of stainers to accommodate almost any lab setting
- Accepts slide baskets directly from the:
 - Gemini slide stainer, Varistain™ 24-4, and Slide Basket Transfer System
 - Sakura DRS™ 2000
 - Leica™ Auto-Stainer™
- Slide baskets from any of these stainers can be loaded onto the ClearVue coverslipper in a mix or match fashion without making adjustments

Specimen Recognition

- Handles both histology and cytology samples simultaneously without user interaction while delivering user definable amount of mountant for each sample type

Load-on-Demand

- Load-on-demand capabilities can manage up to eleven slide baskets at the same time
- Load baskets one at a time or up to five baskets together

Optical Recognition

- Features unique ability to optically recognize and position slides during the coverslipping process
- Recognizes the position of each slide in a basket, removes each slide with a set of slide grippers and returns every slide while maintaining slide positioning

User Interface

- Intuitive user interface features a touch screen panel
- Software monitors the type of slide preparation, size and number of slips dispensed, and the number of baskets waiting to be coverslipped

Physical Specifications

Dimensions (D x W x H):
22.6 x 25.4 x 19.7 in.
(57.4 x 64.5 x 50 cm)

Weight:
106 lbs / 48 kg

Power requirements: 100-
240 V; 50/60 Hz

Includes

Operator guide (English), operator guide CD (multi-lingual), case of two ClearVue coverslip hoppers; 24 x 40 mm, no.1.5 (1000 slips), set of three ClearVue slide baskets (Gemini-compatible) with black sliders, set of two mountant purge trays, ventilation filter, set of two soft hair brushes, set of three suction cups.

Safety Features

- System will not operate when any door is open, protecting the user
- Downdraft ventilation protects the user when loading and unloading slide baskets
- Charcoal filter removes any vapors before they can escape the unit
- Removable debris and purge trays make clean up quick and easy
- Battery backup ensures completion of any basket in process during power cut
- No need to handle and stack large quantities of coverslips

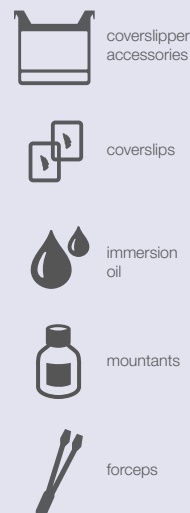
| Description | Order Number |
|-----------------------|--------------|
| ClearVue coverslipper | A79200001 |

| Accessories | Order Number |
|----------------------------------|--------------|
| Shallow tray for loading baskets | A79210092 |
| Drying stand for five baskets | A79210056 |
| Filter | 9990610 |
| Extraction ventilation kit | A79210080 |
| Soft hair brush | P112257 |
| Suction cups (3 / pk) | A79210081 |
| Charcoal filter | 7411258 |

Did you know that EpreDia offers a combined staining and coverslipping solution?

Checkout the [Slide Basket Transfer System](#), compatible with the ClearVue coverslipper and Gemini AS slide stainer

You'll need:





CTM6 Coverslipper

Efficiency for Time Savings

- Coverslip hundreds of slides per hour with a self-cleaning dispensing needle
- Quick and easy change of different sizes and styles of coverslips for versatility with different slides and tissue types

User Safety

- load and unload rack without opening the hood
- Internal vapor extraction system with fan and permanent air-flow avoids any leakage of vapors at openings
- Integrated charcoal filtration
- Tool-free cleaning and maintenance

Compact Form Factor

- Designed to fit almost any lab space and under a 30 in. or larger hood

| Description | Order Number |
|-------------------|--------------|
| CTM6 coverslipper | A79200001 |

| Accessories | Order Number |
|----------------------------------|--------------|
| Shallow tray for loading baskets | A79210092 |
| Drying stand for five baskets | A79210056 |
| Filter | 9990610 |
| Extraction ventilation kit | A79210080 |
| Soft hair brush | P112257 |
| Suction cups (3 / pk) | A79210081 |
| Charcoal filter | 7411258 |

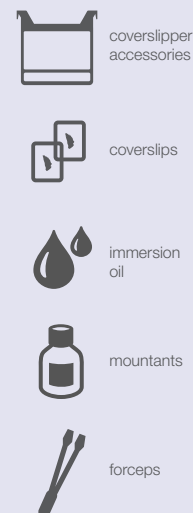
Physical Specifications

Dimensions (D x W x H):
17.7 x 18.1 x 14 in.
(45 x 46 x 35.5 cm)

Weight:
44.1 lbs / 20 kg

Power requirements:
100-240 V; 50/60 Hz

You'll need:





Slide Basket Transfer System

The Slide Basket Transfer System (SBTS) eliminates the need to manually transfer slide baskets from the Gemini AS slide stainer to the ClearVue coverslipper

- Free up your team's time with automatic transfer from the Gemini AS slide stainer to the ClearVue coverslipper
- Simply place slides in the Gemini AS slide stainer and carry on with other tasks without distraction
- The system will alert you when the slides have finished coverslipping in the ClearVue coverslipper
- With a small footprint, the combined system of the Gemini AS slide stainer, Slide Basket Transfer System, and ClearVue coverslipper seamlessly fits into virtually any laboratory workflow
- Compatible with the Gemini AS and ClearVue systems made after February 2018 only

| Description | Order Number |
|------------------------------|--------------|
| Slide Basket Transfer System | A84500001 |

| Accessories | Order Number |
|------------------------|--------------|
| SBTS baskets (5) black | A84510032 |
| SBTS baskets (5) white | A84510041 |
| Operator guide | A84510100 |
| Documentation CD | A84510100-CD |
| Xylene tray | A84530101 |
| Manual unload tool | A84530110 |
| Wash bottle | AP18730 |

Physical Specifications

Dimensions (D x W x H):
31.1 x 61.81 x 35.04 in.
(79 x 157 x 89 cm)

Weight:
365 lbs, 165 kg

Power requirements:
100-240 Vac, 50/60 Hz, 600 VA

Coverslipper Accessories



ClearVue Coverslip Hoppers

- For effortless integration into your laboratory
- Preloaded with 500 or 575 slips each
- No manual handling of glass
- A clean coverslip dispensed each and every time for superior reliability

| Description | Qty. | Order Number |
|--|--------------------------------|--------------|
| Clearvue Coverslip Hoppers, 0.13 - 0.17 mm thick | | |
| 24 x 40 mm #1 | 575 / hopper, 2 hoppers / case | A79210165 |
| 24 x 50 mm #1 | 575 / hopper, 2 hoppers / case | A79210166 |
| Clearvue Coverslip Hoppers, 0.16 to 0.19 mm thick | | |
| 24 x 40 mm #1.5 | 500 / hopper, 2 hoppers / case | A79210050 |
| 24 x 50 mm #1.5 | 500 / hopper, 2 hoppers / case | A79210051 |
| 24 x 55 mm #1.5 | 500 / hopper, 2 hoppers / case | A79210052 |



ClearVue Baskets

- Allow equipment compatibility with a variety of different stainers
- Can be loaded in mix-and-match fashion
- Baskets and hangers sold in sets of five

Coverslips



Richard-Allan Scientific Standard Coverslips

- Manufactured with colorless borosilicate glass
- All cover slips feature a high-spectral-transmission quality and a finely adaptive refractive index suited for microscopy
- Available in a variety of sizes, thicknesses, and shapes, including squares, rectangles, and circles



Coverslips for Automated Systems

- Uniquely developed to minimize sticking and can be used in automated cover slippers or for manual use in humid environments
- Manufactured with colorless borosilicate glass
- All cover slips feature high-spectral-transmission quality and a finely adaptive refractive index suited for microscopy
- Available in a variety of sizes, thicknesses, and shapes



Richard-Allan Scientific Resolve Immersion Oil

- Resolve™ Immersion Oil is a clear, colorless oil that allows light transmission throughout most of the UV-VIS spectrum
- Manufactured using a proprietary process that removes interfering substances and will not damage valuable optics or irreplaceable slide specimens
- Available in both low- and high-viscosity, is non-drying and non-hardening and has a refractive index of 1.5150
- Contains no PCB's, eliminating toxicity and disposal problems
- Conveniently packaged in four sizes

| Description | Size | Qty. | Order Number |
|----------------|--------|------|--------------|
| Low viscosity | 0.5 oz | ea. | M2000 |
| High viscosity | 0.5 oz | ea. | M2004 |
| Low viscosity | 1 oz | ea. | M3000 |
| High viscosity | 1 oz | ea. | M3004 |
| Low viscosity | 4 oz | ea. | M4000 |
| High viscosity | 4 oz | ea. | M4004 |
| Low viscosity | 16 oz | ea. | M5000 |
| High viscosity | 16 oz | ea. | M5004 |

Coverslipping Mountants

Signature Series Mounting Medium

Richard-Allan Scientific Signature Series Mounting Medium is miscible with all clearing agents including xylene substitutes.

- Rapid drying
- Toluene base
- Optically clear
- Will not cause fading of stains even after prolonged storage

| Description | Qty. | Order Number |
|---------------|----------|--------------|
| 4 oz (118 mL) | 6 / case | 4112 |
| 1 pt (0.4 L) | 2 / case | 4111 |

ClearVue-Approved Mounting Mediums

| Description | Qty. | Order Number |
|---|----------|--------------|
| ClearVue-approved mount toluene-based 1 pt (473 mL) | 2 / case | 4211 |
| ClearVue-approved mount xylene-based 1 pt (473 mL) | 2 / case | 4212 |

Cytoseal 60 and 280

Richard-Allan Scientific Cytoseal 60 and 280 Mounting Media is a clear, colorless, toluene-based mounting media formulated from acrylic resins. The addition of antioxidants inhibits fading or yellowing of stained specimens.

- Will not crack or discolor with age
- Cytoseal 60 mountant is a low-viscosity medium that dries quickly
- Cytoseal 280 mountant is a high-viscosity medium for applications where minimal spreading is desired or without a cover glass



| Description | Qty. | Order Number |
|--------------------|-----------|--------------|
| Cytoseal 60; 4 oz | 12 / case | 8310-4 |
| Cytoseal 60; 16 oz | 12 / case | 8310-16 |
| Cytoseal 280; 4 oz | 12 / case | 8311-4 |

Cytoseal XYL

Richard-Allan Scientific Cytoseal XYL mounting media contains an antioxidant to inhibit the fading or yellowing of stained specimens.

- Xylene-based
- Rapid drying allows microscopic examination of slides soon after application
- Packaged in a 4 oz bottle with a twist-open/twist-closed cap



| Description | Qty. | Order Number |
|-------------|-----------|--------------|
| 4 oz | 12 / case | 8312-4 |

Shandon-Mount

Shandon Shandon-Mount permanent mounting medium is ideal for conventional coverslipping

- Economical, organic, overnight-drying liquid coverslip
- Toluene base
- Refractive index: 1.495 +/- 0.005 (dry)
- Viscosity: low (72 to 120 cps at 22 °C)



| Description | Qty. | Order Number |
|-------------|----------|--------------|
| 60 mL | ea. | 1900331 |
| 120 mL | ea. | 1900333 |
| 500 mL | 2 / case | 9990435 |



Shandon Immu-Mount

Shandon™ Immu-Mount™ is an aqueous base for immunostaining and other techniques.

- Non-permanent mountant
- Economical, organic, overnight drying liquid coverslip
- Aqueous base for immunostaining and other techniques
- Non-fluorescing medium with a low viscosity
- Resists fading and polymerises quickly for easier handling of finished slides
- Refractive index: 1.495 +/- 0.002 (liquid); 1.586 +/- 0.002 (dry)
- Viscosity: low (120 to 160 cps at 24 °C)
- pH: 8.0 from 8.8 at 21 °C to 24 °C

| Description | Qty. | Order Number |
|-------------|----------|--------------|
| 20 mL | ea. | 9990402 |
| 20 mL | 6 / case | 9990412 |
| 1 L | ea. | 9990414 |



Shandon Xylene Substitute Mountant

Shandon Xylene Substitute mountant is formulated specifically for use with the Shandon Xylene Substitute.

- A permanent, organic mounting medium
- Compatible with all routine xylene substitute clearing agents
- Toluene base
- Refractive index: 1.495 +/- 0.005 (dry)
- Viscosity: medium (120 to 265 cps at 24 °C)

| Description | Qty. | Order Number |
|-------------|----------|--------------|
| 60 mL | ea. | 1900231 |
| 120 mL | ea. | 1900233 |
| 500 mL | 2 / case | 9999122 |



EZ-Mount

- Permanent and organic mountant
- Xylene base
- Refractive index: 1.495 +/- 0.005 (dry)
- Viscosity: high (1280 to 2790 cps at 22 °C)

| Description | Qty. | Order Number |
|-------------|----------|--------------|
| 500 mL | 2 / case | 9999120 |



Shandon Synthetic Mountant

Shandon Synthetic Mount is a permanent, organic mountant.

- Toluene base
- Refractive index: 1.495 +/- 0.005 (dry)
- Viscosity: medium (170 to 200 cps at 22 °C)

| Description | Qty. | Order Number |
|-------------|----------|--------------|
| 500 mL | 2 / case | 6769007 |

Coverslipping Forceps

Coverglass Thumb Forceps

Coverglass Dissection Forceps are available in premium and standard grades.

- Flat, square-end tips
- Properly hardened, tempered and passivated
- Electronically polished and cleaned for a high-quality finish
- Patterns, dimensions and finish held to exacting standards, producing the finest instruments available
- Guaranteed to be free from defects in material and workmanship



| Description | Qty. | Order Number |
|--------------------|------|--------------|
| 4.75 in. (12.1 cm) | ea. | 19040 |

Kuehne Coverglass Thumb Forceps

- Coverglass Thumb Forceps feature angled tips
- Flat, square-end tips
- Properly hardened, tempered and passivated
- Electronically polished and cleaned for a high-quality finish
- Patterns, dimensions and finish held to exacting standards, producing the finest instruments available
- Guaranteed to be free from defects in material and workmanship



| Description | Qty. | Order Number |
|--------------------|------|--------------|
| 4.75 in. (12.1 cm) | ea. | 19060 |

Cytology

quality, reliable
laboratory
solutions



Adopt efficiency, maintain integrity

Epredia Cytospins and consumables have been synonymous with cytocentrifugation for over 40 years. Used in laboratories around the world, they have enabled laboratories to process cytology samples efficiently, providing economical thin-layer preparations from any liquid matrix.

Reliable Quality

- Maintain cellular integrity and carefully separate and deposit cells in a monolayer
- Ready-to-use reagents for quick turn around time

Adaptive and Convenient

- Use for cytology, virology, microbiology, hematology oncology, and research/general use
- Removable program card allows for up to nine programs to be logged

The Total Solution

- Enhance the use of your Cytospin with a wide variety of high quality Epredia cytology consumables, including funnels, slides, and fixation solutions
- Get peace of mind with Epredia extended service contracts that include preventative maintenance and thorough, expedited repairs, ensuring minimal downtime in your laboratory





Cytospin 4 Cytocentrifuge

The Cytospin™ 4 cytocentrifuge has been synonymous with cytocentrifugation for over 40 years and is used in laboratories around the world.

When combined with EpreDia cytology consumables, it provides economical thin-layer preparations from any liquid matrix, especially hypocellular fluids such as spinal fluid and urine.

Convenience and Speed Spun into One

- Process twelve specimens at one time, allowing for several protocols at once
- Accepts all protocols from previous generations of Cytospin cytocentrifuges
- Lid release mechanism allows for one-handed opening and closing
- Removable program card allows for up to nine programs to be logged for fast and convenient reference, and protected program memory stores up to 23 routines for instant recall
- Control panel allows user to control power and time, and monitor speed
- Specimen safety alarm feature reminds users at one-minute intervals to remove specimens, protecting them from air-drying

Simple Principle for Excellent Presentation

- Using centrifugal principles, the cytocentrifuge 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
- Cytocentrifugation constructively flattens cells for excellent nuclear presentation
- The instrument's spinning action tilts the Cytofunnel sample chamber upright and centrifuges cells onto the deposition area of the slide, creating a cellular monolayer that provides all cell types equal opportunity for presentation
- In the "load" or "stop" position, this unique tilting feature reduces cell loss by preventing residual fluid from coming into contact with the prepared slide

Designed for User Safety

- Only operates when the lid is locked and remains locked during rotation
- Polycarbonate window allows the operator to see the sealed head during cytocentrifugation

Physical Specifications

Dimensions (D x W x H):

With closed lid:

24.5 x 16 x 9.5 in. (62 x 40.5 x 24 cm)

With open lid:

24.5 x 16 x 25 in. (62 x 40.5 x 62.5 cm)

Weight:

26.5 lbs / 12 kg

Power Requirements:

100-240 V, 50/60Hz, 150 VA, 5A
250 V, T5A 250 V

Includes:

Cytospin 4 cytocentrifuge, sealed head/rotor, marking pen, operator guide, service record book and standard workflow diagram.

Multiple Applications:

Research/General Use

- A cost-effective and time-effective way to make quality thin-layer cell preparations
- Excellent for molecular studies, specialized staining applications and EM
- Used in veterinary, dental and chemosensitivity protocols

Cytology

- Excellent performance for non-gynecological cytology, especially hypocellular fluids
- Variety of collection fluids and funnel options available
- Prepares both air-dried and fixed specimens
- Can be used for liquid-based cytology (LBC) applications

Microbiology

- Microorganisms are often present in low numbers from limited sample volumes; Cyto centrifugation effectively spins the microorganisms onto the slide, maximizing the yield and presenting those organisms in a clean, defined area, allowing for straightforward morphological identification
- Only a small sample volume is needed so multiple samples may be run for a variety of special staining and support testing procedures
- Concentrates samples for Gram stains

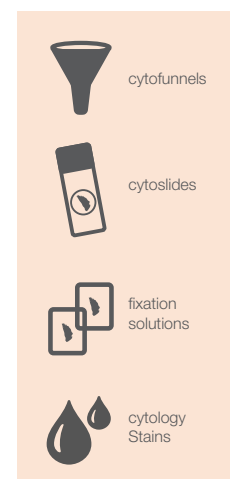
Hematology/Oncology

- Easy to achieve a constant cell/unit volume
- Excellent for all fluids, bone marrow and peripheral blood

| Description | Order Number |
|----------------------------|--------------|
| Cytospin 4 unit only | A78300003 |
| EZ Funnel starter kit | A78710013 |
| Clipped Funnel starter kit | 3120110 |

| Accessories | Order Number |
|------------------------------|--------------|
| Additional sealed head | 59910018 |
| Sealed head seals (3 / pack) | 5991019 |
| Service manual | A7831251 |

You'll need:



Shandon EZ Cytofunnel Sample Chambers

EZ Cytofunnel™ General Features

- For single use with all EpreDia Cytospin cytocentrifuge applications
- Optimizes cell yield
- Produces cost-effective, thin-layer preparations
- 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 Shandon™ Cytoclips™ slide clip



Shandon EZ Single Cytofunnel with White Filter Cards

Shandon™ EZ Single Cytofunnel™ is a disposable sample chamber with white filter card and cap. Made for high absorbency.

- Use for sample volumes from 0.1-0.5 mL
- Cell deposition area of 6 mm in diameter (28 mm²)
- Pre-attached white filter card for high absorbency

| Qty | Order Number |
|------------|--------------|
| 40 / box | A78710003 |
| 200 / case | A78710020 |



Shandon EZ Single Cytofunnel with Brown Filter Cards

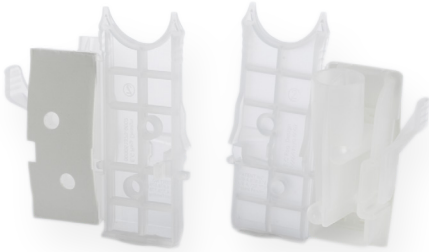
Shandon EZ Single Cytofunnel is a disposable sample chamber with brown filter card and cap. Made for slower absorbency.

- Use for sample volumes from 0.1-0.4 mL
- Cell deposition area of 6 mm in diameter (28 mm²)
- Pre-attached brown filter card for slower absorbency; increases cell yield
- Excellent for hypocellular specimens such as cerebrospinal fluid

| Qty | Order Number |
|----------|--------------|
| 40 / box | A78710004 |

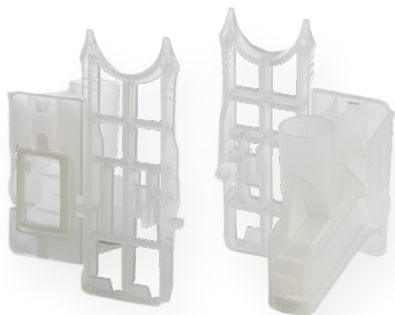
Shandon EZ Double Cytofunnel

Shandon™ EZ Double Cytofunnel™ is a disposable sample chamber with white filter card and cap.



- Use for sample volumes from 0.05-0.25 mL per chamber
- Allows two sample deposition areas on a single slide; each area measures 6 mm in diameter (28 mm²)
- Double the number of sample presentations per run
- Funnel markings correspond to slide markings for simple identification
- Pre-attached white filter card for high absorbency
- Ideal for use with immunochemistry techniques

| Qty | Order Number |
|------------|--------------|
| 40 / box | A78710005 |
| 200 / case | A78710021 |



Shandon EZ Megafunnel with Cap and Slide

Shandon™ EZ Megafunnel™ is a disposable, high-volume sample chamber with cap.

- Designed for spinning large samples from 0.5-6 mL
- Cell deposition area of 22 x 14.75 mm (325 mm²) for increased cell yield
- Minimizes the need to pre-centrifuge
- Prepares both air-dried and fixed preparations, providing additional valuable diagnostic information

| Qty | Order Number |
|----------|--------------|
| 25 / box | A7871001 |

Shandon Cytofunnels

Cytofunnel General Features

- Fit snugly against a specially marked Cytoslide
- Held in place with a stainless steel Cytoclip
- Cytoclips easily unlock to dispose of the sample chamber and to remove the slide
- Twelve assemblies fit into the Cytospin head
- Include caps and easy-to-use operational illustrations



Shandon Single Cytofunnel with White Filter Cards

Shandon Single Cytofunnel is a disposable sample chamber with white filter card and cap. Made for high absorbency.

- Use for sample volumes from 0.1-0.5 mL
- Cell deposition area of 6 mm in diameter (28 mm²)
- Pre-attached white filter card for high absorbency
- Requires the use of stainless steel Cytoclips

| Qty | Order Number |
|------------|--------------|
| 50 / box | 5991040 |
| 500 / case | 1102548 |



Shandon Single Cytofunnel with Brown Filter Cards

Shandon Single Cytofunnel is a disposable sample chamber with brown filter card and cap. Made for slower absorbency.

- Use for sample volumes from 0.1-0.4 mL
- Cell deposition area of 6 mm in diameter (28 mm²)
- Pre-attached brown filter card for slower absorbency; increases cell yield
- Excellent for hypocellular specimens such as cerebrospinal fluid
- Requires the use of stainless steel Cytoclips

| Qty | Order Number |
|----------|--------------|
| 50 / box | 5991043 |



Shandon Double Cytofunnel

Shandon Double Cytofunnel is a disposable sample chamber with white filter card and cap.

- Use for sample volumes from 0.05-0.25 mL per chamber
- Allows two sample deposition areas on a single slide; each area measures 6 mm in diameter (28 mm²)
- Funnel markings correspond to slide markings for simple identification
- Pre-attached white filter card for high absorbency
- Ideal for use with immunochemistry techniques
- Requires the use of stainless steel Cytoclips

| Qty | Order Number |
|--------------------|--------------|
| 25 / box with caps | 5991039 |
| 500 / case | 1102547 |

Shandon Cytoclip Stainless Steel Slide Clip

Shandon™ Cytoclip™ Stainless Steel Slide Clips hold the Cytofunnel sample chamber against the microscope slide during cytocentrifugation.

- For preparation in the Cytospin cytocentrifuge
- Autoclavable and reusable



| Qty | Order Number |
|---------|--------------|
| 6 / box | 59910052 |



Shandon TPX Single Sample Chamber, Caps, and Filter Cards

Shandon TPX Single Sample Chamber is a reusable sample chamber used in conjunction with a closure cap, Cytoclip and disposable filter card.

- Use with disposable white filter cards for routine sample volumes from 0.1-0.5 mL
- Use with disposable brown filter cards for hypocellular sample volumes from 0.1-0.4 mL or less
- Reusable
- Autoclavable

Filter cards

Highly absorbent disposable filter cards for use with TPX chamber

- Not for use with Cytofunnel disposable sample chambers
- Each filter card has two holes to ensure proper orientation with the TPX sample chamber
- White filter cards are used for high absorbency
- Brown filter cards are used for slower absorbency (hypocellular)

| Description | Qty. | Order Number |
|--------------------|-----------|--------------|
| TPX sample chamber | 12 / case | A78710018 |
| Closure caps | 12 / case | 59910025 |
| Brown filter cards | 200 / box | 5991023 |
| White filter cards | 200 / box | 5991022 |

Shandon Cytoslides

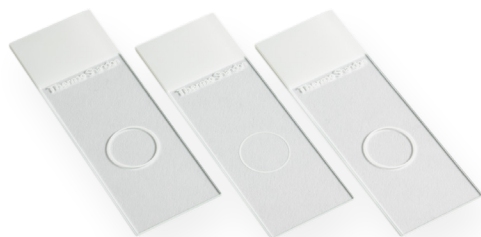
General Features

- Specimen area is outlined for rapid location during screening
- Made from fine white glass, manufactured to high quality standards
- Slides are pre-cleaned, thin, flat, and feature finely ground edges.

Coated Cytoslides

- Eliminate the need for albumin coating procedures
- Save labor and resource time
- Coated adhesion Cytoslides are designed to secure cytology preparations
- Coating features a chemistry based on silane

Contact your sales representative for more information.



Shandon Single Cytoslides

- Improve processing and visualization of small-volume specimens with Shandon™ Single Cytoslides™, for use with EZ Single Cytofunnels
- Slides feature a white tab and 13 mm diameter ring that defines the cell display area to allow for efficient and rapid location
- Uncoated single 13 mm ring Cytoslides are available with the ring on front or back of slide
- Coated single 13 mm ring Cytoslides feature the ring on the back of slide only



Shandon Double Cytoslides

- Use Shandon™ Double Cytoslides™ with EZ Double Cytofunnel Chambers
- Slides feature a blue tab and two blue 13 mm diameter rings that define the cell display area to allow for efficient and rapid location
- Each specimen is displayed within a numbered ring marked as 1 or 2 that corresponds with the Cytofunnel chamber
- Uncoated and coated double 13 mm ring Cytoslides are available with the rings on back of slide only



Shandon Mask Cytoslides

- Mask out UV light to restrict microscope viewing to the specimen with Shandon™ Mask Cytoslides™
- Shandon Mask Cytoslides are used for immunofluorescence and feature white tabs
- Single Mask Cytoslide features a black mask printed on front of slide with one 13 mm well
- Double Mask Cytoslide features a blue mask printed on front of slide with two 13 mm numbered wells

Shandon Fixation Solutions

Richard-Allan Scientific Papanicolaou Stain EA

- Richard-Allan Scientific Papanicolaou Stain EA provides brilliant cytoplasmic staining for gynecological and non-gynecological specimens
- Different formulations offer the user control of the color intensities and hues
- EA-36 and EA-50 are used in conjunction with OG-6 for gynecological staining
- EA-65 is used with OG-6 for non-gynecological staining
- Modified EA is a Gill modification that minimizes precipitation, reduces staining time and does not contain Bismarck Brown; designed to be used with Modified OG

| Description | Qty. | Order Number |
|----------------------|----------|--------------|
| EA-36 | | |
| 1 pint (0.47 L) | 4 / case | 75411 |
| 1 gal (3.8 L) | ea. | 75411 |
| EA-50 | | |
| 1 pint (0.47 L) | 4 / case | 75504 |
| 1 gal (3.8 L) | ea. | 75511 |
| 2.5 gal cube (9.5 L) | ea. | 75525 |
| EA-65 | | |
| 1 pint (0.47 L) | 4 / case | 75604 |
| 1 gallon (3.8 L) | ea. | 75611 |
| 2.5 gal cube | ea. | 75625 |
| Modified EA | | |
| 1 pint (0.47 L) | 4 / case | 75704 |
| 1 gal (3.8 L) | ea. | 75711 |



Richard-Allan Scientific Mucolytic Agent

- Richard-Allan Scientific Mucolytic Agent is specially formulated to preserve and liquefy mucoid cytology specimens to optimize diagnostic results
- Maintains cell morphology and staining characteristics of fresh and unfixed cytology specimens
- Specimens may be stored within this solution indefinitely with no adverse effects
- Tinted for easy specimen identification

| Description | Qty. | Order Number |
|-----------------|----------|--------------|
| 1 pint (0.47 L) | 4 / case | 76166 |
| 1 gal (3.8 L) | ea. | 76167 |



Richard-Allan Scientific Saccomanno Fluid

- Richard-Allan Scientific Saccomanno Fluid is a general purpose cytology fixative especially suited for upper respiratory tract specimens - most notably, sputum
- Ready-to-use fixative is an alcohol and polyethylene glycol (Carbowax™) solution
- Permits storage of specimens for weeks
- Prevents air-drying artifact
- Clear containers and tinted solution make specimen identification easy
- Each prefilled container is labeled with a “do not drink” warning, as specimens may be collected at home

| Description | Qty. | Order Number |
|---------------|-----------|--------------|
| 120 mL | 72 / case | 76160 |
| 1 gal (3.8 L) | ea. | 76161 |



Richard-Allan Scientific Fix-Rite 2

- Richard-Allan Scientific™ Fix-Rite™ 2 solution is a Carbowax™-containing spray fixative used for routine cytological preparations
- Coating protects cells when mailing or transporting slides to the laboratory; prevents air-drying artifact
- Packaged in 4 oz containers to allow the user complete control during application

| Description | Qty. | Order Number |
|-------------------|-----------|--------------|
| Pump spray bottle | 12 / case | 76150 |

Richard-Allan Scientific Cytology Stains

Signature Series Cyto-Stain



Richard-Allan Scientific™ Signature Series Cyto-Stain™ is a uniquely formulated cytoplasmic stain that produces results similar to conventional Papanicolaou stains.

- Cyto-Stain provides a full range of familiar cytoplasmic colors and allows the user control over the staining intensities
- Cyto-Stain G is a modification to produce greener cyanophilic hues in intermediate and basal cells
- Use for all gynecological and non-gynecological procedures
- Cost-effective because user performs only one counterstain, not two
- Reduces staining time

| Description | Qty. | Order Number |
|---------------------|----------|--------------|
| Cyto-Stain | | |
| 1 pint (0.47 L) | 4 / case | 7511 |
| 1 gal (3.8 L) | ea. | 7501R |
| Cyto-Stain G | | |
| 1 gal (3.8 L) | ea. | 7501G |

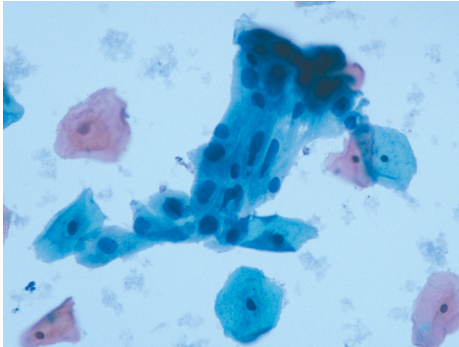
Signature Series Cyto-Stain

Richard-Allan Scientific Papanicolaou Stain OG-6 stains are used to stain keratinized areas of the cell.

- Modified OG is a Gill modification that minimizes precipitation and reduces staining time
- Use OG stains with EA-36 or EA-50 when staining gynecological specimens
- Use OG stains with EA-65 for staining non-gynecological specimens

| Description | Qty. | Order Number |
|----------------------|----------|--------------|
| OG-6 | | |
| 1 pint (0.47 L) | 4 / case | 75204 |
| 1 gal (3.8 L) | ea. | 75211 |
| 2.6 gal cube (9.5 L) | ea. | 75225 |
| Modified OG | | |
| 1 gal (3.8 L) | ea. | 75311 |

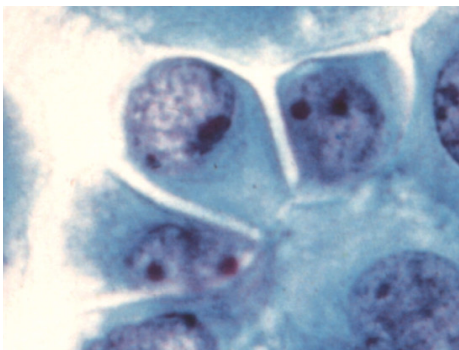
Shandon Cytology Stains



Shandon EA-50 Stain

- Clearly differentiates cellular components with pink, green and blue-green hue
- Polychromatic cytoplasmic stain

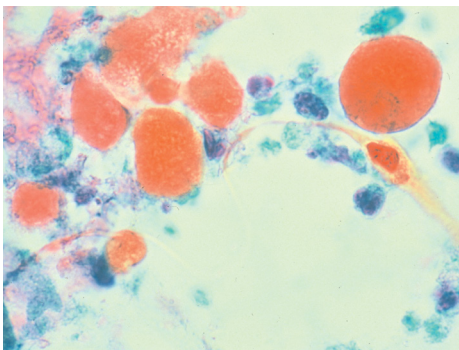
| Description | Qty. | Order Number |
|----------------|----------|--------------|
| 1 L (0.26 gal) | 2 / case | 6766001 |
| 4 L (1.06 gal) | ea. | 6766002 |



Shandon EA-65 Stain

- Clearly differentiates cellular components with pink, green and blue-green hue
- Polychromatic cytoplasmic stain
- Lower concentration of light green improves expression of eosin-stained components

| Description | Qty. | Order Number |
|----------------|----------|--------------|
| 1 L (0.26 gal) | 2 / case | 6766003 |
| 4 L (1.06 gal) | ea. | 6766004 |



Shandon OG-6 Stain

- Demonstrates keratin in cytoplasm

| Description | Qty. | Order Number |
|----------------|----------|--------------|
| 1 L (0.26 gal) | 2 / case | 6766005 |
| 4 L (1.06 gal) | ea. | 6766006 |

Shandon Cytology Consumables



Shandon Cytospin Collection Fluid

Shandon Cytospin Collection Fluid is packaged in several forms, including convenient pump bottle or pre-filled specimen containers.

- Ready-to-use alcohol/Carbowax polyethylene glycol combination for direct specimen collection and fixation
- Permits storage of specimens or unstained slides for weeks without adverse effect

| Description | Qty. | Order Number |
|----------------------------|------------|--------------|
| Pump Bottle | | |
| 4 L (1.06 gal) | ea. | 6768001 |
| Bottle | | |
| 500 mL (0.13 gal) | 2 / case | 6768315 |
| 10 L (2.64 gal) cubitainer | 2 / case | 9990310 |
| Cups | | |
| 120 mL, filled to 60 mL | 125 / case | 9990323 |



Shandon Cell-Fixx Spray Adhesive

Shandon™ Cell-Fixx™ Spray Fixative allows for convenient preparation of slides.

- Includes Carbowax, which coats the smear to maintain cellular detail
- Prevents air drying artifact and cell loss
- Supplied in pump bottle

| Description | Qty. | Order Number |
|-------------|----------|--------------|
| 50 mL | 6 / case | 6768326 |



Shandon CytoRich Red Collection Fluid

Shandon™ CytoRich™ Red Collection Fluid lyses RBC's and solubilizes proteins.

- Ready-to-use, alcohol-based fluid
- Compatible with immunohistochemistry
- Pre-filled containers and pre-filled vials available

| Description | Qty. | Order Number |
|-------------------------------|------------|--------------|
| Bottle | | |
| 500 mL (0.13 gal) | 2 / case | B9990801 |
| 4 L (1.06 gal) | ea. | B9990800 |
| Pre-filled Cups | | |
| 20 mL, filled to 10 mL | 180 / case | B9990802 |
| 120 mL, filled to 60 mL | 125 / case | B9990803 |
| Pre-filled Vials | | |
| 50 mL, filled to 15 mL (AMER) | 100 / case | B9990804 |
| 50 mL, filled to 15 mL (APAC) | 100 / case | B9990804CR |



Shandon Mucollex

- Liquefies (with agitation) mucoid cytology specimens
- Maintains cellular detail
- Short-term preservation of specimens
- Ready-to-use mucoliquefying preservative

| Description | Qty. | Order Number |
|-------------------------|-----------|--------------|
| Bottle | | |
| 500 mL (0.13 gal) | 2 / case | 9990370 |
| 4 L (1.06 gal) | ea. | 9990371 |
| Cups | | |
| 120 mL, filled to 60 mL | 50 / case | 9990375 |

Shandon Cell Preparation Systems



Shandon Octospot

Shandon™ Octospot™ is a cell preparation system used in conjunction with the Eppredia Cytospin for studies involving small volume samples.

- Cytoцентрифуге cells from 8-well microliter strips directly onto a microscope slide (96 spots per spin); turn eight slides into one
- Incorporates an 8-well strip, an 8-well slide, a holding block and a filter card assembled in a standard stainless steel Cytoclip
- Solvent-resistant slides retain separate reagents in individual wells to prevent cross-contamination

| Description | Qty. | Order Number |
|--|------------------|--------------|
| Thick-filter cards | 100 / pack | 1001641 |
| 8-well strips, loose | 60 / bag | 1001642 |
| Solvent-resistant slides, 8 spots | 100 / box | 1001645 |
| Coverglass, 22 x 70 mm, #1.0 thickness | 1 oz / pack x 10 | 1001624 |



Shandon CytoBlock Cell Block Preparation System

Shandon™ CytoBlock™ Cell Block Preparation System is used in conjunction with the Cytospin and facilitates processing of FNA's, tissue fragments and cell buttons.

- Increases ability to process scanty or unseen material for cell block and reduces loss of critical material
- Replaces time-consuming, costly agar and thrombin techniques
- Requires phosphate-free fixative on processor, such as Zinc Formal-Fixx™, Formal-Fixx or Glyo-Fixx™ (formalin substitute) fixatives; or manually fix and bypass phosphate-buffered formalin fixation steps on processor
- Processes 50 specimens and includes 50 CytoBlock cassettes with inserts, one bottle of Setting Reagent and one bottle of Gelling Reagent
- Suitable for immunohistochemical techniques

| Description | Order Number |
|--------------------------|--------------|
| CytoBlock cell block kit | 7401150 |
| Replacement reagents | 7401151 |

Immunohistochemistry

precise results



Achieve accurate results with outstanding quality

Accurate and reproducible immunohistochemistry is essential in research and diagnostics. Whether performing research assays on precious samples or catering to a patient awaiting timely and precise results, EpreDia Immunohistochemistry solutions deliver high quality results.

Flexible

- Autostainer 360, 480S, and 720 offer fully open platforms for ultimate customization of reagent layout
- Accommodates customized protocols and reagent delivery
- Slides are rapidly transferred from the PT Module™ to the Autostainer on racks compatible to both

Robust

- Proven, dependable technology trusted by laboratory staff for years
- Standardized heat-induced epitope retrieval with the PT Module, protecting your staff from harmful fumes by providing safe, solvent-free de-waxing

Accurate

- Advanced reagents drive enhanced sensitivity, producing high-quality, accurate results

The Total Solution

- Achieve accurate and specific results in immunohistochemical assays with our array of detection technologies designed to meet the needs of both the clinical and research market
- Get peace of mind with EpreDia extended service contracts that include preventative maintenance and thorough, expedited repairs, ensuring minimal downtime in your laboratory

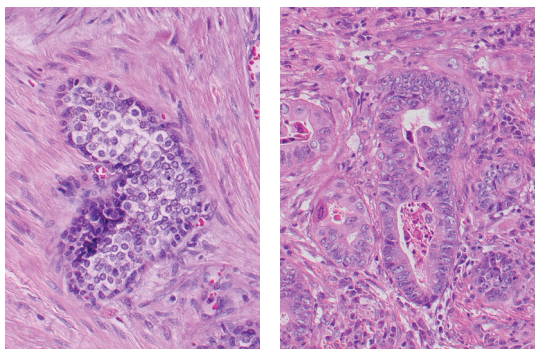


Immunohistochemistry Workflow

When test results determine the diagnosis, prognosis and potential treatment of patient disease, achieving accurate, reproducible results in the shortest period of time is crucial. EpreDia Immunohistochemistry products provide a comprehensive set of high quality and affordable solutions to bring further standardization to today's laboratories.

Used as a system, EpreDia instrumentation, advanced reagents, and specimen verification are the standardized solution for your Immunohistochemistry laboratory. Standardization with quality results brings consistency, and with the EpreDia IHC solution, you can rest assured that your process will provide accurate results, time and again.

The following workflow diagram demonstrates the complete EpreDia Immunohistochemistry solution.



1 IHC Sample Request

When Immunohistochemistry (IHC) tests are requested, you require a system that can ensure accurate, reproducible results in the shortest time possible.

2 Improved Sample Verification

Eliminate manual steps and reduce the potential for patient identification errors. The EpreDia IHC system can read SlideMate labeled slides, printed on-demand at any microtome, eliminating time-consuming manual data entry and/or the need to hand-label IHC slides.



3 Standardized Antigen Retrieval

Slides receive precise computer-controlled antigen retrieval in the PT Module, which can also perform heat-induced deparaffinization.



4 One-Step Transfer

Slides rapidly transfer from the PT Module to the Autostainer in one step, maintaining throughput while significantly reducing costs.



5 EpreDia Autostainer

Slides are stained in the fully open Autostainer that leaves laboratories in control of costs and test parameters. The proven record for consistency and dependability minimizes downtime and ensures quality results.

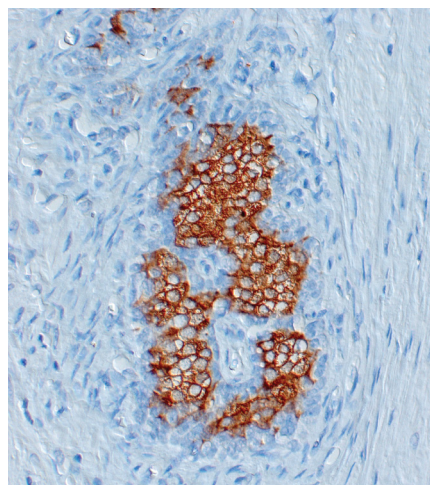


6 Rabbit Monoclonal Antibodies and Enhanced Detection

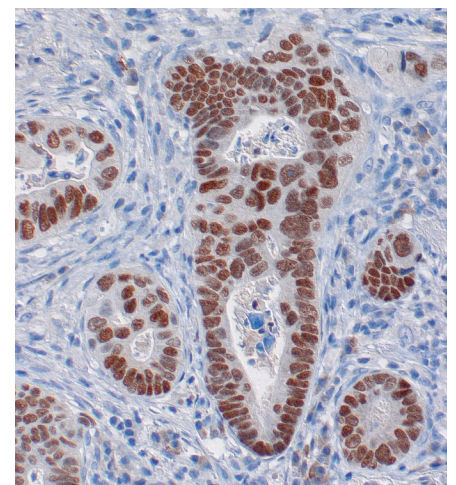
Advanced reagents drive the enhanced sensitivity and crisp, clean results on the system. The UltraVision Quanto™ detection system is the latest micropolymer technology capable of enhancing antibodies of mouse and rabbit origin, producing superior results at a surprisingly affordable cost per test.

7 Superior Results

You can rely on the combination of superior quality, timely results and increased laboratory profitability with the EpreDia Immunohistochemistry system. Convince yourself by evaluating the system in your own laboratory — the results speak for themselves.



PSA (Prostate Specific Antigen), clone EP1588Y
RM-2104



CDX2, clone EPR2764Y
RM-2116



Autostainer 360, 480S, and 720

In an industry where seemingly small decisions can have huge implications and the quality of your test is critical, it is good to know that Epredia has a range of fast, accurate and cost effective solutions used globally throughout the Immunohistochemistry (IHC) field.

Our IHC range of solutions combines the knowledge and experience of one of the best known names in the IHC field (Labvision), with the backing and support of the world leader in serving science.

Physical Specifications

Dimensions (D x W x H):

360: 26.4 x 30 x 22.8 in.
(67 x 76 x 58 cm)

480S: 26.4 x 36 x 22.8 in.
(67 x 91 x 58 cm)

720: 26.4 x 50.4 x 22.8 in.
(67 x 128 x 58 cm)

Weight:

360: 121 lbs / 55 kg

480S: 143 lbs / 65 kg

720: 176 lbs / 80 kg

Power requirements:

100-120 V or 220-240 V;
50/60Hz; 4A max at 100-120
Vac, 2A max at 220-240 Vac

Includes:

Autostainer unit, slide racks (number varies per instrument), reagent rack for barcoded vials (number varies per instrument), PC Computer, 19" flat panel monitor, Zebra reagent and slide label barcode printers, universal power supply temporary backup, color ink jet printer, one wash buffer input and one DI water input, waste separation into hazardous and nonhazardous containers, waste/bulk fluid containers, four, ten-liter carboys, cleaning kit; brush and reagents for automated cleaning, buffer rinse squirt bottle for rinsing slides, misc. USB and power cords (all required cords included), electronic manual on CD.

What's Best for the Patient

- Standardized and precise antigen retrieval, combined with reliable staining units provides assurance your requested tests are stained according to your high-quality standards
- Dual barcoding ensures that each slide receives the correct reagents

Make Better Use of Time

- Robust, reliable automation of processes allows you to spend your time handling results rather than diagnosing instrumentation problems
- Barcoding of slides and reagents simplifies the instrument loading and programming process
- Rapid staining turn-around time means higher throughput and allows you to return patient specimen test faster

Adapted to Fit Your Specific Needs

- Standardization of processes via the PT Module and Epredia Autostainer produces consistent, high-quality results
- Three models allow for any instrument configuration to best accommodate average slide volumes and peaks throughout the day
- The open platform enables you to take full advantage of flexible protocol design and consider economically attractive reagent packages

Save money and save lives

- Get the best possible value by working directly with the manufacturer of both the instruments and reagents; and benefit from the simplicity of getting any solution for the pathology laboratory from a single source

Autostainer 360

- This most compact variant is ideal for laboratories where speed and continuous workflow are imperative

Autostainer 480S

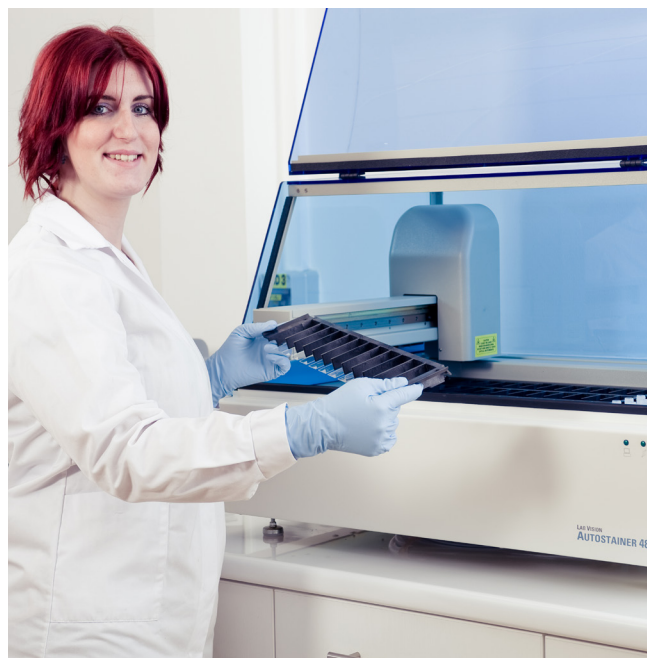
- All the benefits of the 360 but with increased slide capacity to 48 slides and up to 49 reagent vials

Autostainer 720

- The Autostainer 720 handles up to 84 slides at once and is designed for large-batch applications

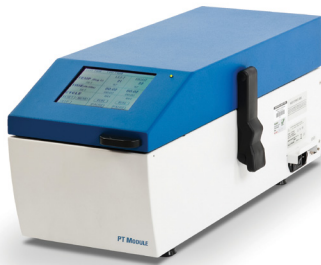
| Description | Order Number |
|-------------------------|--------------|
| Autostainer 360 | |
| 110/120 V | A80500004A |
| 220/240 V | A80500003 |
| Autostainer 480S | |
| 110/120 V | A80500008A |
| 220/240 V | A80500007 |
| Autostainer 720 | |
| 110/120 V | A80500001A |
| 220/240 V | A80500009 |

| Autostainer Accessories | Qty. | Order Number |
|---|----------------|--------------|
| Barcodeable Autostainer vial 12 ml | 100 vials | K00029 |
| Reagent vial barcode labels | 3000 labels | A80510134 |
| Slide labels (solvent resistant, no flap) | 2600 labels | A80510164 |
| Slide labels (solvent resistant, flap) | 2500 labels | A80510135 |
| Autostainer operator guide | 1 CD | A80510107-CD |
| PT Module pump kit | 1 kit | A80410030 |
| Autostainer 480 reagent rack | 1 rack | A80510138 |
| 2D Autostainer vial storage rack | 1 rack | S00140 |
| PT Module tank and lid | 1 tank and lid | P00005A |



You'll need:





PT Module

Standardization in the laboratory is important to obtaining high quality and consistent IHC staining. The PT Module standardizes the manual steps associated with the pre-treatment of slides.

Features

- Designed to simultaneously perform dewaxing and epitope recovery on slides prior to immunostaining
- Accommodates either four Autostainer slide racks or eight standard manual slide racks directly into the PT Module
- Integrated computer with touch screen for programming standardized pre-treatment programs
- Ability to modify the start/stop time and temperature settings to optimize results
- The PT Module has dual reaction baths so that two individual procedures, each with 24 slides, may be run independently
- Epredia's proprietary epitope recovery solutions provide safe, solvent-free dewaxing and is safer for the environment
- Delayed start option allows overnight processing so slides are ready and waiting when you start your day

Dewax and HIER Buffers

- Patented formula, specifically designed for use with the PT Module
- Dissolves paraffin instead of just melting it

Physical Specifications

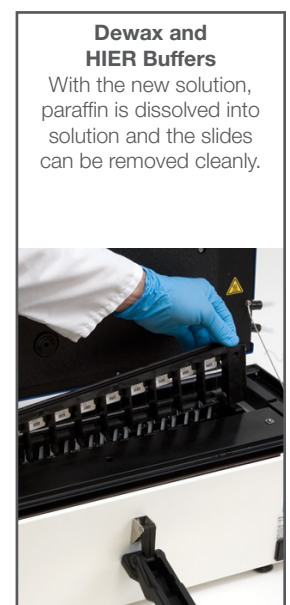
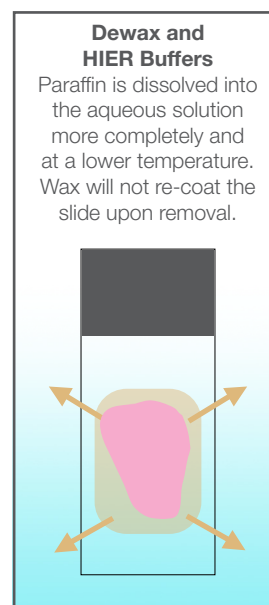
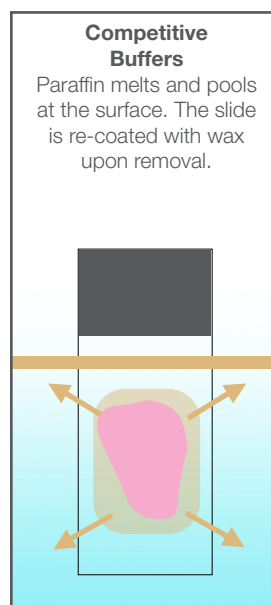
Dimensions (D x W x H):
25.5 x 10.5 x 10 in.
(65 x 27 x 26 cm)

Weight:
Empty: 33 lbs (15 kg)

Power requirements:
100-120 V, 50/60 Hz, 10A Max
220-240 V, 50/60 Hz, 5A Max

Includes:

Stainless steel buffer tank (2/pk.), buffer tank cover (2/pk.), serial cable, buffer kit, IVD letter, operator information pack, accessory pump kit, EMC statement.



| Description | Order Number |
|-------------|--------------|
| 110/120 V | A80400012 |
| 220/240 V | A80400011 |

| Sequenza Slide Racks and Coverplates | Qty. | Order Number |
|--------------------------------------|-----------------|--------------|
| Sequenza slide rack and lid | Holds 10 slides | 73310017 |
| Coverplates | 250 / case | 72110013 |
| Coverplates | 25 / pack | 72110017 |
| Dropper bottles | 50 / pack | 73310007 |
| Buffer bottle 750 mL | ea. | 73310002 |

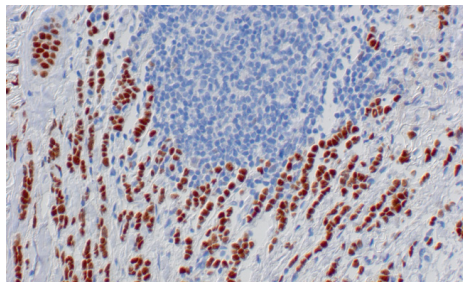
| Shandon Humidity Chamber | Qty. | Order Number |
|--------------------------|------|--------------|
| Humidity chamber | ea. | 197 |
| Aluminum slide tray | ea. | 203 |
| Acrylic lid | ea. | 231974 |
| Polyethylene lid | ea. | 10388 |

| Epitope Retrieval | Order Number | Use |
|--|--------------|-----|
| Dewax and HIER Buffer (H, M, L) variety pack (15x concentrate) | TA-999-DHBVP | IVD |
| Dewax and HIER Buffer H (15x concentrate) 10x100 mL | TA-999-DHBH | IVD |
| Dewax and HIER Buffer L (15x concentrate) 10x100 mL | TA-999-DHBL | IVD |
| Dewax and HIER Buffer M (15x concentrate) 10x100 mL | TA-999-DHBM | IVD |
| HIER Buffer H, 9 BT/CS Tris-EDTA Buffer, 15 mL/BT | TA-135-HBH | IVD |
| HIER Buffer L, 9 BT/CS Citrate Buffer, 15 mL/BT | TA-135-HBL | IVD |
| HIER Buffer M, 9 BT/CS EDTA Buffer, 15 mL/BT | TA-135-HBM | IVD |
| Citrate Buffer for HIER 125 mL | AP-9003-125 | IVD |
| Citrate Buffer for HIER 500 mL | AP-9003-500 | IVD |
| EDTA Buffer for HIER (10x) 125 mL | AP-9004-125 | IVD |
| EDTA Buffer for HIER (10x) 500 mL | AP-9004-500 | IVD |
| Tris HCl Buffer for HIER (10x) 50 mL | AP-9005-050 | IVD |
| Tris-HCl Buffer for HIER (10x) 125 mL | AP-9005-125 | IVD |
| Tris-HCl Buffer for HIER (10x) 500 mL | AP-9005-500 | IVD |

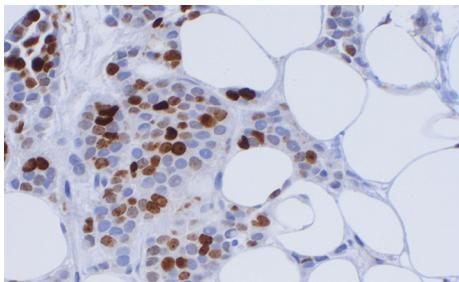
| Enzyme Retrieval | Order Number | Use |
|---|--------------|-----|
| Protease XXV for Enzyme-Induced Epitope Retrieval 2 mL | AP-9006-002 | IVD |
| Protease XXV for Enzyme-Induced Epitope Retrieval 5 mL | AP-9006-005 | IVD |
| Pepsin Solution for Enzyme-Induced Epitope Retrieval 5 mL | AP-9007-005 | IVD |



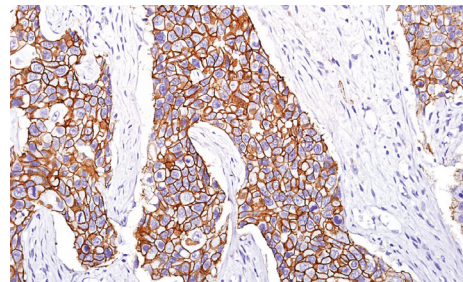
Breast Panel



Estrogen receptor positive breast ca stained with Clone SP1 (RM-9101-S) and UltraVision Quanto.



High grade breast ca stained with Ki67 Clone SP6 (RM-9106-S) and UltraVision Quanto.



Breast ca with amplified Her 2 stained with Clone SP3 (RM-9103-S) visualized with UltraVision Quanto

| Antibody | Clone | Cat. No. | Description | Regulatory Status |
|-----------------------|-------------|----------|---|------------------------|
| Estrogen Receptor | SP1 | RM-9101 | SP1 is quickly becoming the gold standard in ER evaluation with higher sensitivity than other common tests ¹ | USA: IVD INT'L: IVD |
| Progesterone Receptor | SP2 | RM-9102 | Sensitive and specific PR marker | USA: IVD INT'L: IVD |
| Ki-67 | SP6 | RM-9106 | Produces substantially less background than commonly used Ki67 antibodies ² | USA: IVD INT'L: IVD |
| Her-2 | SP3 | RM-9103 | High resolving power may reduce 2+ results that require additional FISH testing ³ | USA: ASR INT'L: IVD |
| p53 | Y5 | RM-2103 | Negative prognostic factor in breast cancer | USA: IVD INT'L: IVD |
| Keratin 5 | XM26 | MS-1896 | Sensitive for identifying the "basal-like" phenotype of breast cancer ⁴ | USA: IVD INT'L: IVD |
| Keratin 7 | OV-TL 12/30 | MS-1352 | Identifies luminal cells and is useful for distinguishing between lung and breast epithelium | USA: IVD INT'L: IVD |
| Keratin 20 | Ks20.8 | MS-377 | Useful as a negative indicator for breast adenocarcinomas | USA: IVD INT'L: IVD |
| Mammaglobin | 3304-1A5 | MS-1919 | Mammary marker and elevated expression may indicate a less aggressive tumor. | USA: IVD INT'L: IVD |
| NY-BR-1 | NYBR-1#2 | MS-1932 | Highly specific breast marker useful for identifying undifferentiated breast cancer ⁵ | USA: IVD INT'L: IVD |
| E-Cadherin | EP700Y | RM-2100 | Useful for differentiating lobular from ductal breast carcinoma | USA: IVD INT'L: IVD |

¹Cheang MC, Treaba DO, Speers CH, Olivetto IA, Bajdik CD, Chia SK, Goldstein LC, Gelmon KA, Huntsman D, Gilks CB, Nielsen TO, Gown AM. Immunohistochemical detection using the new rabbit monoclonal antibody SP1 of estrogen receptor in breast cancer is superior to mouse monoclonal antibody 1D5 in predicting survival. J Clin Oncol. 2006 Dec 20;24(36):5637-44.

²Zabalgo L, Salter J, Anderson H, Quinn E, Hills M, Detre S, A'Hern R, Dowsett M. Comparative validation of the SP6 antibody to Ki67 in breast cancer. J Clin Pathol. 2010 Sep;63(9):800-4.

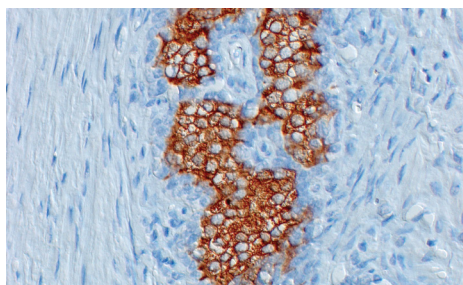
³Sheila C.L. Wludarski, MD and Carlos E. Bacchi, MD, PhD. High Concordance of SP3 Rabbit Monoclonal Antibody With FISH to Evaluate HER2 in Breast Carcinoma. Appl Immunohistochem Mol Morphol. 2008 Oct;16(5):466-70.

⁴Rohit Bhargava, MD, Sushil Beriwal, MD, Kim McManus, HT(ASCP), and David J. Dabbs, MD. CK5 is More Sensitive Than CK5/6 in Identifying the "Basal-Like" Phenotype of Breast Carcinoma. AM J Clin Pathol 2008;130:724-730.

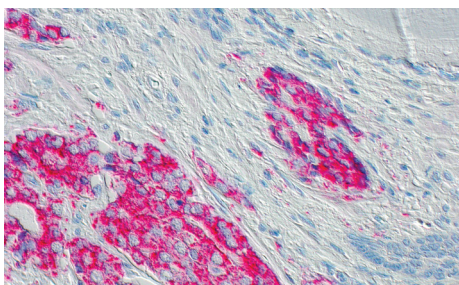
⁵Varga Z, Theunillat JP, Filonenko V, Sasse B, Odermatt B, Jungbluth AA, Chen YT, Old LJ, Knuth A, Jäger D, Moch H. Preferential nuclear and cytoplasmic NY-BR-1 protein expression in primary breast cancer and lymph node metastases. Clin Cancer Res. 2006 May 1;12(9):2745-51.

⁶Descriptions are for general reference only. Please consult the datasheet and current literature for more information.

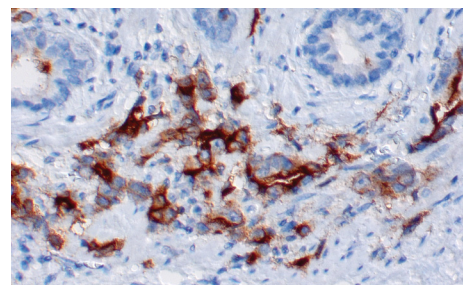
Prostate Panel



Prostate carcinoma identified with PSA Clone EP1588Y (RM-2104-S) and UltraVision Quanto.



Prostate carcinoma stained with p540s -AMACR Clone 13H4 (RM-9130-S) and UltraVision Quanto.



Prostate cancer stained with PSMA Clone SP29 (RM-9131-S) and UltraVision Quanto.

| Antibody | Clone | Cat. No. | Description | Regulatory Status |
|-----------------------------|------------|----------|--|------------------------|
| p504S | 13H4 | RM-9130 | Typically positive in malignant prostate but negative in benign lesions ¹ | USA: IVD INT'L: RUO |
| Keratin 5 | EP1601Y | RM-2106 | Stains basal epithelia in normal prostate tissue | USA: IVD INT'L: IVD |
| Keratin 20 | Ks20.8 | MS-377 | Assists with differentiating prostate from bladder cancer ³ | USA: IVD INT'L: IVD |
| Keratin 14 | Polyclonal | RB-9020 | Stains basal epithelia in normal prostate tissue | USA: IVD INT'L: IVD |
| Epithelial Membrane Antigen | MOC-31 | MS-741 | Positive indicator for Adenocarcinoma | USA: IVD INT'L: IVD |
| Ki67 | SP6 | RM-9106 | Excellent proliferation marker | USA: IVD INT'L: IVD |
| PSA | EP1588Y | RM-2104 | Useful for identifying cells of prostatic origin ¹ | USA: ASR INT'L: IVD |
| PSAP | PASE/4LJ | MS-321 | Useful for identifying cells of prostatic origin ¹ | USA: IVD INT'L: IVD |
| PSMA | SP29 | RM-9131 | Useful for identifying cells of prostatic origin and can be combined with PSA to increase sensitivity ² | USA: IVD INT'L: IVD |

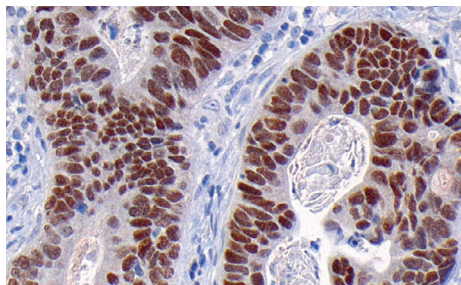
¹Paner GP, Luthringer DJ, Amin MB. Best practice in diagnostic immunohistochemistry: prostate carcinoma and its mimics in needle core biopsies. Arch Pathol Lab Med. 2008 Sep;132(9):1388-96.

²Mhawech-Fauceglia P, Zhang S, Terracciano L, Sauter G, Chadhuri A, Herrmann FR, Penetrante R. Prostate-specific membrane antigen (PSMA) protein expression in normal and neoplastic tissues and its sensitivity and specificity in prostate adenocarcinoma: an immunohistochemical study using multiple tumour tissue microarray technique. Histopathology. 2007 Mar;50(4):472-83.

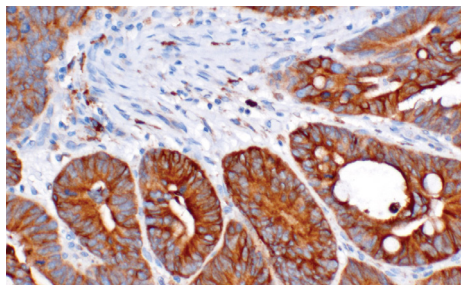
³Bassily NH, Vallorosi CJ, Akdas G, Montie JE, Rubin MA. Coordinate expression of cytokeratins 7 and 20 in prostate adenocarcinoma and bladder urothelial carcinoma. AM J Clin Pathol. 2000 Mar;113(3):383-8.

⁴Descriptions are for general reference only. Please consult the datasheet and current literature for more information.

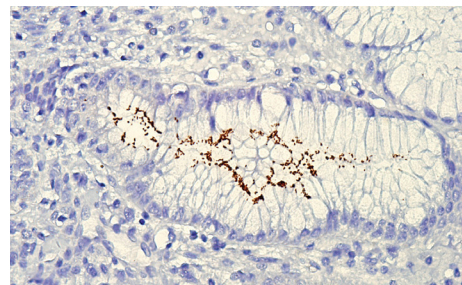
Gastrointestinal Panel



Metastatic colon ca stained with CDX2 (RM-2116-S) and UltraVision Quanto.



Colon carcinoma stained with COX2 (MS-1898-S) and UltraVision Quanto.



H. pylori stained in stomach tissue with H. pylori (RB-9070-P) and UltraVision Quanto.

| Antibody | Clone | Cat. No. (RTU) | Description | Regulatory Status |
|-----------------------------|-------------|----------------|---|------------------------|
| CDX2 | EPR2764Y | RM-2116 | Useful for differentiating gastrointestinal origin with undifferentiated tumors | USA: IVD INT'L: IVD |
| Pan CK | AE1/AE3 | MS-343 | Useful for identifying carcinoma | USA: IVD INT'L: IVD |
| Keratin 7 | OV-TL 12/30 | MS-1352 | Reacts with proteins in ductal and glandular tissues | USA: IVD INT'L: IVD |
| Keratin 20 | Ks20.8 | MS-377 | Reacts primarily with intestinal and gastric epithelium | USA: IVD INT'L: IVD |
| COX-2 | SP21 | RM-9121 | Suggested as a poor prognostic indicator in colon carcinoma | USA: IVD INT'L: IVD |
| CD117 | Polyclonal | RB-9038 | Useful for identifying gastrointestinal stroma tumors (GIST) ¹ | USA: IVD INT'L: IVD |
| Dog-1 | 1.1 | MS-1933 | Very useful for identifying gastrointestinal stroma tumors (GIST) ¹ | USA: IVD INT'L: IVD |
| Dog-1 | SP31 | RM-9132 | Very useful for identifying gastrointestinal stroma tumors (GIST) ¹ | USA: IVD INT'L: IVD |
| H-pylori | Polyclonal | RB-9070 | Reacts with H-pylori in the GI tract | USA: ASR INT'L: IVD |
| Ki-67 | SP6 | RM-9106 | Excellent proliferation marker | USA: IVD INT'L: IVD |
| CA19-9 | 121 SLE | MS-379 | Highly expressed in gastrointestinal adenocarcinomas | USA: IVD INT'L: IVD |
| Villin | CWWB1 | MS-1499 | Useful for identifying gastrointestinal adenocarcinoma | USA: IVD INT'L: IVD |
| Epithelial Specific Antigen | Ber-EP4 | MS-1898 | Useful for distinguishing adenocarcinoma from mesothelioma and hepatocellular carcinoma | USA: IVD INT'L: IVD |
| Her-2 | SP3 | RM-9103 | Anti-Her2 therapies have increased survival rates in Her-2 over-expressing gastric cancer | USA: ASR INT'L: IVD |

¹Novelli M, Rossi S, Rodriguez-Justo M, Taniere P, Seddon B, Toffolati L, Sartor C, Hogendorn PC, Sciort R, Van Glabbeke M, Verqej J, Blay JY, Hohenberger P, Flanagan A, Del Tos AP, DOG1 and CD117 are the antibodies of choice in the diagnosis of gastrointestinal stromal tumours. Histopathology. 2010 Aug;57(2):259-70.

²Descriptions are for general reference only. Please consult the datasheet and current literature for more information.

IHC Antibodies

Epredia antibodies are designed for multiple applications such as clinical research IHC and applications other than IHC, such as Western Blotting of immunoprecipitation. For the latest product offerings and updates, visit Epredia.com or contact your local representative.

Concentrates are available in 1 mL (-S, -A, or -P), 0.5 mL, and 0.1 mL sizes and are ready to use in 7 mL (-R7, for use with LP detection system) or 12 mL (-RQ, for use with Quanto detection system), and are considered In Vitro Diagnostic (IVD) devices, Research Use Only (RUO) devices, or Analyte Specific Reagent (ASR, US-only). Please check the website for azide-free formats.

Part Number Key

HM Hamster
Monoclonal

MS Mouse
Monoclonal

MV MultiVision

NC Negative
Control

RB Rabbit
Polyclonal

RM Rabbit
Monoclonal

SH Sheep
Polyclonal

| Description | REF Num | |
|--|---------|-----|
| Mucin 1 (MUC-1) | HM-1630 | RUO |
| 14.3.3 pan | MS-1504 | RUO |
| 14.3.3 sigma [1433S01] | MS-1185 | RUO |
| Actin, Muscle Specific [HHF35] | MS-742 | IVD |
| Actin, Muscle Specific [MSA06] | MS-1296 | RUO |
| Actin, pan [ACTN05] | MS-1295 | RUO |
| Actin, Skeletal Muscle [5C5.F8.C7] | MS-185 | RUO |
| Actin, Smooth Muscle [1A4] | MS-113 | IVD |
| Adenovirus [M58 + M73] | MS-1069 | RUO |
| Adrenocorticotrophic Hormone (ACTH) | MS-452 | IVD |
| ALK (Anaplastic Lymphoma Kinase) / p80 [5A4] | MS-1104 | IVD |
| Amyloid A Component | MS-1219 | RUO |
| Amyloid A4 / Amyloid Beta | MS-1167 | RUO |
| Androgen Receptor [AR441] | MS-443 | RUO |
| Bax | MS-711 | RUO |
| Bax | MS-714 | RUO |
| BCL-2alpha [100/D5] | MS-123 | IVD |
| BCL-6 [BCL6.2] | MS-1114 | RUO |
| BCL-6 [LN22] | MS-1936 | IVD |
| BCL-XL | MS-1334 | RUO |
| Biotin | MS-1048 | RUO |
| c-Abl | MS-938 | RUO |

| Description | REF Num | |
|---|---------|---------|
| c-erbB-2 / HER-2 / neu | MS-229 | RUO |
| c-erbB-2 / HER-2 / neu | MS-302 | RUO |
| c-erbB-2 / HER-2 / neu | MS-600 | RUO |
| c-erbB-2 / HER-2 / neu | MS-301 | RUO |
| c-erbB-2 / Her-2 / neu | MS-1350 | RUO |
| c-erbB-2 / HER-2 / neu (Phospho-specific) | MS-1072 | RUO |
| c-erbB-2 / HER-2 / neu [3B5] | MS-599 | RUO |
| c-erbB-2 / HER-2 / neu [e2-4001 + 3B5] | MS-730 | IVD/ASR |
| c-erbB-2 / HER-2 / neu [e2-4001] | MS-325 | RUO |
| c-erbB-3 / HER-3 [2B5] | MS-310 | RUO |
| c-erbB-3 | MS-201 | RUO |
| c-erbB-3 / HER-3 [H3.90.6] | MS-262 | RUO |
| c-erbB-4 / Her-4 | MS-270 | RUO |
| c-erbB-4 / Her-4 | MS-304 | RUO |
| c-myc | MS-139 | RUO |
| CA 125 (Ovarian Cancer Antigen) | MS-1151 | IVD |
| CA19-9 / Sialyl Lewis a (GI Tumor Marker) [116-NS-19-9] | MS-1811 | RUO |
| CA19-9 / Sialyl Lewis a (GI Tumor Marker) [121SLE] | MS-379 | IVD |
| Cadherin E / E-Cadherin | MS-1862 | RUO |
| Caldesmon, HMW | MS-1169 | IVD |
| Calponin | MS-1168 | IVD |
| Caspase 3 (CPP32) | MS-1121 | RUO |

| Description | REF Num | |
|---|---------|-----|
| Caspase 8 (FLICE) | MS-1143 | RUO |
| CD10/CALLA (Neutral Endopeptidase) | MS-728 | IVD |
| CD105 / Endoglin / TGF-beta1/3 Receptor | MS-1290 | RUO |
| CD106 / VCAM-1 | MS-1101 | RUO |
| CD117 / c-Kit / SCF-Receptor | MS-289 | RUO |
| CD137 (4-1BB) [BBK-2] | MS-621 | RUO |
| CD138 | MS-1793 | IVD |
| CD141 / Thrombomodulin | MS-1102 | RUO |
| CD15 | MS-1259 | IVD |
| CD155 / PVR (Poliovirus Receptor) | MS-465 | RUO |
| CD163 | MS-1103 | RUO |
| CD1a [MTB1] | MS-746 | RUO |
| CD1a [O10] | MS-1856 | IVD |
| CD2 [LFA-2] | MS-1074 | IVD |
| CD20 [L26] | MS-340 | IVD |
| CD21 [2G9] | MS-1086 | IVD |
| CD23 | MS-729 | IVD |
| CD24 (GPI-linked surface mucin) | MS-1278 | RUO |
| CD24 (GPI-linked surface mucin) [SN3b] | MS-1279 | RUO |
| CD25 / IL-2Ralpha | MS-203 | RUO |
| CD29 (Integrin Beta-1) | MS-596 | RUO |
| CD30 (Reed-Sternberg Cell Marker) | MS-361 | IVD |
| CD30 (Reed-Sternberg Cell Marker) | MS-1857 | IVD |
| CD31 / PECAM-1 (Endothelial Cell Marker) | MS-353 | IVD |
| CD34 [QBEnd/10] I | MS-363 | IVD |
| CD35 / CR1 (Follicular Dendritic Cell Marker) | MS-336 | RUO |
| CD36 / GPIIb / GPIV / | MS-756 | RUO |
| CD38 | MS-983 | RUO |
| CD3epsilon (Early T-Cell Marker) | MS-1880 | RUO |
| CD4 | MS-1528 | IVD |
| CD42b (GPIb) | MS-1174 | RUO |
| CD43 / T-Cell Marker | MS-146 | IVD |
| CD44 Std. / HCAM | MS-178 | RUO |
| CD44 Std. / HCAM | MS-668 | IVD |
| CD45 / T200 / LCA | MS-355 | IVD |
| CD45RO (T-Cell Marker) | MS-112 | IVD |
| CD47 | MS-1302 | RUO |

| Description | REF Num | |
|--|---------|-----|
| CD5 | MS-393 | IVD |
| CD54 / ICAM-1 | MS-305 | RUO |
| CD56 / NCAM-1 | MS-1149 | IVD |
| CD57 (Natural Killer Cell Marker) | MS-136 | IVD |
| CD68 / Macrophage Marker | MS-397 | IVD |
| CD68 / Macrophage Marker | MS-1808 | IVD |
| CD71 / Transferrin Receptor | MS-1096 | RUO |
| CD74 | MS-131 | IVD |
| CD79a / mb-1 (B Cell Marker) [HM47/A9] | MS-357 | RUO |
| CD8 | MS-457 | IVD |
| CD81 / TAPA-1 | MS-502 | RUO |
| CD99 / MIC2 (Ewing's Sarcoma Marker) | MS-294 | IVD |
| CD99 / MIC2 (Ewing's Sarcoma Marker) | MS-1633 | RUO |
| CDC6 | MS-867 | RUO |
| CDC25C | MS-751 | RUO |
| Cdh1 | MS-1116 | RUO |
| Cdk1 / p34 cdc2 | MS-110 | RUO |
| Cdk4 | MS-299 | RUO |
| Cdk5 | MS-906 | RUO |
| Cdk5 | MS-1059 | RUO |
| CDw75 | MS-130 | IVD |
| Chk2 | MS-1330 | RUO |
| Chromogranin A [LK2H10] | MS-324 | IVD |
| Chromogranin A [LK2H10 + PHE5] | MS-382 | RUO |
| Collagen II [2B1.5] | MS-235 | RUO |
| Collagen II [5B2.5] | MS-234 | RUO |
| Collagen II [6B3] | MS-306 | RUO |
| Collagen VII | MS-444 | RUO |
| Cyclin B1 | MS-868 | RUO |
| Cyclin B1 | MS-869 | RUO |
| Cyclin D1 / Bcl-1 | MS-210 | RUO |
| Cyclin D1 / Bcl-1 | MS-211 | RUO |
| Cyclin D2 | MS-213 | RUO |
| Cyclin D2 | MS-221 | RUO |
| Cyclin D3 | MS-215 | RUO |
| Cyclin E | MS-870 | RUO |
| Cystic Fibrosis Transmembrane Regulator (CFTR) [L12B4] | MS-1248 | RUO |

| Description | REF Num | |
|--|---------|---------|
| Cystic Fibrosis Transmembrane Regulator (CFTR) [M3A7] | MS-1249 | RUO |
| Cytochrome c | MS-1192 | RUO |
| D2-40 [D2-40] | MS-1940 | IVD |
| Desmin (Muscle Cell Marker) | MS-376 | IVD |
| DNA-PKcs | MS-369 | RUO |
| DOG-1 | MS-1933 | IVD |
| DP-1 Transcription Factor | MS-1056 | RUO |
| Epidermal Growth Factor Receptor / EGFR | MS-268 | RUO |
| Epidermal Growth Factor Receptor / EGFR | MS-311 | RUO |
| Epidermal Growth Factor Receptor / EGFR | MS-378 | RUO |
| Epidermal Growth Factor Receptor / EGFR | MS-609 | RUO |
| Epidermal Growth Factor Receptor / EGFR | MS-269 | RUO |
| Epidermal Growth Factor Receptor / EGFR | MS-316 | RUO |
| Epidermal Growth Factor Receptor / EGFR | MS-396 | RUO |
| Epidermal Growth Factor Receptor / EGFR | MS-665 | RUO |
| Epithelial Membrane Antigen /EMA | MS-348 | IVD |
| Epithelial Membrane Antigen /EMA | MS-741 | IVD |
| Epithelial Specific Antigen | MS-675 | RUO |
| Epithelial Specific Antigen (EMA) | MS-181 | RUO |
| Epithelial Specific Antigen (EMAb-7) [MOC-31] Mouse | MS-1825 | RUO |
| Epithelial Specific Antigen (Ep-CAM) | MS-144 | IVD |
| Epithelial Specific Antigen (Ep-CAM) | MS-1898 | IVD |
| Epstein-Barr Virus / LMP | MS-1458 | IVD/ASR |
| Estrogen Receptor | MS-391 | RUO |
| Estrogen Receptor [1D5] | MS-354 | IVD/ASR |
| Estrogen Receptor [1D5+6F11] | MS-750 | IVD/ASR |
| Ezrin / p81 / 80K / Cytovillin | MS-661 | RUO |
| Factor VIII Related Antigen / von Willebrand Factor | MS-722 | IVD |
| Factor XIII A | MS-1237 | IVD |
| Fascin | MS-1112 | IVD |
| Fibrillin 1 | MS-231 | RUO |
| Filaggrin | MS-449 | RUO |
| Fibronectin | MS-1351 | RUO |
| Filamin | MS-1211 | RUO |
| Follicle Stimulating Hormone (FSH) | MS-1449 | IVD |
| GCDFP-15 (Gross Cystic Disease Fluid Protein-15) Fluid Protein-15) | MS-1170 | IVD |
| GFAP / Glial Fibrillary Acidic Protein | MS-1376 | IVD |

| Description | REF Num | |
|--|----------|---------|
| GLUT-1 [SPM498] | MS-10637 | IVD |
| Glycophorin A | MS-1843 | IVD |
| Glypican-3 | MS-1939 | RUO |
| GnRH Receptor / LH-RH Receptor (GNRH03) | MS-1139 | RUO |
| Granzyme B | MS-1157 | IVD |
| Growth Hormone, Human / hGH | MS-1328 | RUO |
| H1 [4C9C7] | MS-1941 | IVD |
| HDJ-2 / DNAJ | MS-225 | RUO |
| Heat Shock Protein 70 (HSP70) | MS-482 | RUO |
| Heregulin / NDF / GGF / Neureg | MS-272 | RUO |
| Hepatitis B Virus Surface Antigen (HBVsAg) | MS-314 | RUO/ASR |
| Hepatocyte | MS-1810 | IVD |
| Hepatocyte Growth Factor | MS-651 | RUO |
| Hepatocyte Growth Factor | MS-775 | RUO |
| Human Chorionic Gonadotropin (HCG) | MS-1065 | RUO |
| Human Papilloma Virus (HPV)[K1H8] | MS-1826 | IVD/ASR |
| Human Sodium Iodide Symporter(hNIS) | MS-1653 | RUO |
| IGF-1R (alpha-Subunit) | MS-641 | RUO |
| IGF-1R (alpha-Subunit) | MS-644 | RUO |
| Insulin | MS-1378 | RUO |
| Insulin Receptor (Alpha-Subunit) | MS-631 | RUO |
| Insulin Receptor (Alpha-Subunit) | MS-632 | RUO |
| Insulin Receptor (Alpha-Subunit) | MS-633 | RUO |
| Insulin Receptor (Beta-Subunit) | MS-635 | RUO |
| Insulin Receptor (Beta-Subunit) | MS-636 | RUO |
| Interferon- α (II) / IFN- α (II) | MS-574 | RUO |
| Involucrin | MS-126 | RUO |
| Kappa Light Chain | MS-143 | IVD |
| Keratin 10 | MS-611 | IVD |
| Keratin 14 | MS-115 | RUO |
| Keratin 15 | MS-1068 | RUO |
| Keratin 17 | MS-489 | IVD |
| Keratin 18 | MS-142 | IVD |
| Keratin 19 | MS-198 | IVD |
| Keratin 19 | MS-1902 | RUO |
| Keratin 19 | MS-1671 | RUO |
| Keratin 20 | MS-377 | IVD |

| Description | REF Num |
|--|-------------|
| Keratin 5 | MS-1896 IVD |
| Keratin 5 / 6 | MS-1814 IVD |
| Keratin 16 | MS-620 RUO |
| Keratin 7 | MS-1352 IVD |
| Keratin 8 | MS-997 IVD |
| Keratin 8 / 18 | MS-743 IVD |
| Keratin 8 / 18 | MS-1603 IVD |
| Keratin, HMW | MS-1447 IVD |
| Keratin, Low Molecular Weight | MS-341 IVD |
| Keratin, Multi | MS-149 RUO |
| Keratin, Pan | MS-356 RUO |
| Keratin, Pan | MS-343 IVD |
| Ku (p70) | MS-329 RUO |
| Ku (p70 / p80) | MS-286 RUO |
| Kuy (p80) | MS-285 RUO |
| L1 Cell Adhesion Molecule | MS-770 RUO |
| Lambda Light Chain | MS-180 IVD |
| Laminin Receptor | MS-259 RUO |
| LCK p56 lck LCK p56 lck | MS-164 RUO |
| LRP / MVP (Major Vault Protein) | MS-664 RUO |
| Luteinizing Hormone, Human (LH) | MS-1448 IVD |
| Macrophage / L1 Protein / Calprotectin | MS-148 IVD |
| Mammaglobin [304-1A5] | MS-1919 RUO |
| MAP 2a,b (Microtubule-Associated Protein) | MS-249 RUO |
| MAP 2a,b,c (Microtubule-Associated Protein) | MS-250 IVD |
| MART-1 / Melan-A | MS-612 RUO |
| MART-1 / Melan-A | MS-799 IVD |
| MART-1 / Melan-A (Cocktail) | MS-716 RUO |
| Mast Cell Chymase | MS-1217 RUO |
| Mast Cell Tryptase | MS-1216 RUO |
| Melanoma (gp100) | MS-364 IVD |
| Melanoma Marker, Pan | MS-939 RUO |
| Mesothelin | MS-1320 IVD |
| Mesothelioma | MS-1494 IVD |
| MGMT (O-methylguanine-DNA methyltransferase) | MS-470 RUO |
| MHC I (HLA-A, B, C) | MS-1218 RUO |

| Description | REF Num |
|---|-------------|
| MHC I (HLA-A, B, C) | MS-557 RUO |
| MHC II (HLA-DR) | MS-133 RUO |
| Microglobulin Beta-2 | MS-440 RUO |
| Microphthalmia (TranscriptionFactor) (MITF) | MS-772 RUO |
| Mitochondria | MS-1372 RUO |
| MMP-10 (Stromelysin-2) | MS-822 RUO |
| MMP-11 (Stromelysin-3) | MS-1035 RUO |
| MMP-13 (Collagenase IV) M | MS-825 RUO |
| MMP-2 (72kDa Collagenase IV) | MS-567 RUO |
| MMP-2 (72kDa Collagenase IV) | MS-804 RUO |
| MMP-3 (Stromelysin-1) | MS-809 RUO |
| MMP-9 (92kDa Collagenase IV) | MS-816 RUO |
| MMP-9 (92kDa Collagenase IC) M | MS-817 RUO |
| MSH2 (Mismatch Repair Protein 2) | MS-1498 IVD |
| Mucin 2 (MUC-2) | MS-1037 IVD |
| Mucin 2 (MUC-2) | MS-1729 RUO |
| Mucin 3 (MUC-3) | MS-1734 RUO |
| Mucin 5AC (MUC-5AC) / Gastric Mucin | MS-145 IVD |
| MyoD1 | MS-273 RUO |
| MyoD1 | MS-278 RUO |
| Myogenin | MS-1113 RUO |
| Myosin, Skeletal Muscle | MS-1236 RUO |
| Myosin, Smooth Muscle Heavy Ch | MS-1348 RUO |
| Neurofilament (200kDa & 68kDa) | MS-359 IVD |
| Neurotrophin Receptor / NGF-Receptor (p75 NGFR) | MS-394 RUO |
| Notch-1 | MS-1339 RUO |
| NY-BR-1 | MS-1932 IVD |
| p130 Cas | MS-855 RUO |
| p14 ARF / p16Beta | MS-850 RUO |
| p170 / p-Glycoprotein / MDR | MS-660 RUO |
| p18 INK4c | MS-858 RUO |
| p21 WAF1 | MS-230 IVD |
| p21 WAF1 | MS-454 RUO |
| p21 WAF1 | MS-891 RUO |
| p300 / CBP (CREB-Binding Protein) | MS-586 RUO |
| p53 | MS-104 RUO |

| Description | REF Num |
|---|----------------|
| p53 | MS-182 RUO |
| p53 | MS-186 IVD |
| p53 | MS-187 RUO |
| p53 | MS-738 IVD |
| p57 Kip2 | MS-897 RUO |
| p57 Kip2 | MS-1062 IVD |
| p73alpha/Beta | MS-762 RUO |
| Paxillin | MS-404 RUO |
| PCNA (Proliferating Cell Nuclear Antigen) | MS-106 RUO |
| Pds1 | MS-1511 RUO |
| Perforin | MS-1834 IVD |
| Placental Alk. Phosphatase (PLAP) | MS-208 RUO |
| Placental Alk. Phosphatase(PLAP) | MS-734 IVD |
| Plastin-L | MS-1326 RUO |
| Progesterone MTO | MS-1040 RUO |
| Progesterone Receptor | MS-1882 RUO |
| Progesterone Receptor [hPRa 2] | MS-192 RUO |
| Progesterone Receptor [hPRa 2+hPR 3] | MS-298 IVD/ASR |
| Progesterone Receptor [hPRa 7] | MS-197 RUO |
| Prohibitin (Mitochondrial Marker) | MS-261 RUO |
| Prolactin | MS-1362 RUO |
| Prostate Specific Acid Phosphatase (PSAP) | MS-321 IVD |
| PTEN / MMAC1 | MS-1601 RUO |
| RAD51 | MS-988 RUO |
| Renal Cell Carcinoma Marker (gp200) | MS-409 IVD |
| Retinoblastoma (Rb) | MS-107 RUO |
| Retinoblastoma (Rb) | MS-1883 RUO |
| Rhodopsin (Opsin) | MS-1233 RUO |
| S100 Protein | MS-296 IVD |
| Serotonin | MS-1431 IVD |
| SF-1 (NR5A1,AD4BP) [N1665] | MS-1946 RUO |
| SHP-1 | MS-1190 |
| Smith Antigen (sm) | MS-450 RUO |
| SREBP-1 (Sterol Regulatory Element Binding Protein-1) | MS-1207 RUO |
| Surfactant Protein B (Precursor) | MS-704 RUO |
| SV40 Large T Antigen | MS-1832 RUO |

| Description | REF Num |
|---|-------------|
| Synuclein | MS-1572 RUO |
| TAG-72 / CA 72-4 [B72.3] | MS-138 IVD |
| Tartrate Resistant Acid Phosphatase (TRAP)Ab-1 | MS-1768 IVD |
| TAU | MS-247 RUO |
| TdT / Terminal Deoxynucleotidyl Transferase | MS-1105 IVD |
| Thrombospondin (TSP) | MS-1066 RUO |
| Thrombospondin (TSP) | MS-418 RUO |
| Thrombospondin (TSP) | MS-420 RUO |
| Thrombospondin (TSP) | MS-421 RUO |
| Thymidine Phosphorylase / PD-ECGF | MS-499 RUO |
| Thyroid Transcription Factor-1 (TTF-1) | MS-699 IVD |
| TIMP 2 | MS-571 RUO |
| TIMP-1 | MS-608 RUO |
| TIMP-2 | MS-1485 RUO |
| Topoisomerase II alpha | MS-1819 IVD |
| Transforming Growth Factor alpha (TGF alpha) | MS-670 RUO |
| Transglutaminase II | MS-224 RUO |
| Troponin T, Cardiac Isoform | MS-295 IVD |
| Tubulin-Alpha | MS-581 RUO |
| Tubulin-Beta | MS-1226 RUO |
| Tyrosinase | MS-800 IVD |
| Vascular Endothelial Growth Factor (VEGF) | MS-1467 RUO |
| Vascular Endothelial Growth Factor (VEGF) | MS-350 RUO |
| Villin | MS-1499 IVD |
| Vimentin | MS-129 IVD |
| Vinculin | MS-1209 RUO |
| von Hippel-Lindau (cHL) Protein | MS-690 RUO |
| XRCC1 (X-Ray Repair Cross Complementing Protein1) | MS-434 RUO |
| XRCC1 (X-Ray Repair Cross Comp) | MS-1393 RUO |
| ZAP-70 [2F3.2] | MS-1911 IVD |
| MultiVision CD3 epsilon [F7.2.38] + Ki-67 [SP6] | MV-2005 IVD |
| Vimentin-gp100 | MV-2004 IVD |
| Negative Control for Mouse | NC-748 RUO |
| Negative Control for Mouse | NC-1391 RUO |
| Negative Control for Rabbit | NC-100 RUO |

| Description | REF Num | |
|---|----------|---------|
| Actin, Smooth Muscle | RB-9010 | IVD |
| Alpha Fetoprotein (AFP) | RB-9064 | IVD |
| Alpha-1-Antitrypsin | RB-367 | RUO |
| Amphiregulin | RB-258 | RUO |
| Amyloid Precursor Protein (APP) | RB-9023 | IVD |
| c-erbB-2 / HER-2 / neu | RB-103 | RUO |
| C1q Complement, Polyclonal FITC Labeled | RB-1926 | RUO |
| C4 Complement, Polyclonal FITC Labeled | RB-1927 | RUO |
| Calretinin | RB-9002 | IVD |
| Caspase 9 / LAP6 | RB-1205 | RUO |
| Catenin, beta | RB-1491 | RUO |
| Catenin, beta | RB-9035 | IVD |
| CD117 / c-Kit / SCF-Receptor | RB-9038 | IVD |
| CD20 | RB-9013 | IVD |
| CD31 / PECAM-1 (Endothelial Cell Marker) | RB-10333 | RUO |
| CD3epsilon (Early T-Cell Marker) | RB-360 | IVD |
| Chromogranin A | RB-9003 | RUO |
| Desmin (Muscle Cell Marker) | RB-9014 | IVD |
| Dystrophin | RB-9024 | IVD |
| Estrogen Receptor | RB-1493 | RUO |
| Estrogen Receptor | RB-1521 | RUO |
| Factor VIII Related Antigen / von Willebrand Factor | RB-281 | IVD |
| Factor XIII A | RB-1464 | RUO |
| Fibrinogen, Polyclonal FITC Labeled | RB-1924 | RUO |
| Flk-1 / KDR / VEGFR2 | RB-1526 | RUO |
| Flt-1 / VEGFR1 | RB-1527 | RUO |
| Gastrin | RB-1459 | IVD |
| GFAP / Glial Fibrillary Acidic Protein | RB-087 | RUO |
| GLUT-1 | RB-9052 | IVD |
| Heat Shock Protein 90alpha / hsp90alpha (HSP86) | RB-119 | RUO |
| Helicobacter pylori | RB-9070 | IVD/ASR |
| IgA (alpha-Heavy Chain) | RB-1433 | IVD |
| IgD (delta-Heavy Chain) | RB-1436 | IVD |
| IgE (epsilon-Heavy Chain) | RB-1435 | IVD |

| Description | REF Num | |
|---|---------|---------|
| IgG (gamma-Heavy Chain) | RB-1432 | IVD |
| Immunoglobulin M (IgM), Polyclonal FITC Labeled | RB-1922 | IVD |
| Kappa Light Chain | RB-333 | IVD |
| Kappa, Polyclonal FITC Labeled | RB-1929 | RUO |
| Keratin 14 | RB-9020 | IVD |
| Ki-67 | RB-1510 | RUO |
| Ki-67 | RB-9043 | RUO |
| Lambda Light Chain | RB-334 | IVD |
| Lambda, Polyclonal FITC Labeled | RB-1930 | RUO |
| Lysozyme / Muramidase | RB-372 | IVD |
| MMP-1 (Collagenase-1) | RB-1536 | RUO |
| Mucin 1 (MUC-1) | RB-9222 | IVD |
| Myelin Basic Protein | RB-1460 | IVD |
| Myeloperoxidase (MPO) | RB-373 | IVD |
| Nitric Oxide Synthase, inducib | RB-1605 | RUO |
| NF kappa B / p65 (Rel A) | RB-1638 | RUO |
| Pax-5 | RB-9406 | IVD |
| PDGFR, alpha | RB-1691 | RUO |
| PDGFR, alpha | RB-9027 | RUO |
| Placental Lactogen (hPL) | RB-9067 | IVD |
| Protein Gene Product 9.5 | RB-9202 | IVD |
| ROC1 | RB-069 | RUO |
| Synaptophysin | RB-1461 | RUO |
| Ubiquitin | RB-9203 | RUO |
| Vascular Endothelial Growth Factor (VEGF) | RB-9031 | IVD/ASR |
| Wilm's Tumor Protein (WT1) | RB-9267 | RUO |
| S100 A6 | RB-9018 | IVD |
| S100 Protein | RB-044 | RUO |
| Survivin | RB-9245 | RUO |
| Synaptophysin | RB-1461 | RUO |
| Synuclein alpha | RB-9026 | IVD |
| Ubiquitin | RB-9203 | RUO |
| Vascular Endothelial Growth Factor (VEGF) | RB-9031 | IVD/ASR |
| Wilm's Tumor Protein (WT1) | RB-9267 | RUO |

| Description | REF Num | |
|---|---------|---------|
| ALK (Anaplastic Lymphoma Kinase) / p80 [SP8] | RM-9108 | IVD |
| Beta-catenin | RM-2101 | IVD |
| c-erbB-2 / HER-2 / neu [SP3] | RM-9103 | IVD/ASR |
| c-erbB2 / HER-2 / neu [EP1045Y] | RM-2112 | IVD/ASR |
| Calcitonin | RM-9117 | IVD |
| Calretinin [SP13] | RM-9113 | IVD |
| CD23 [SP23] | RM-9123 | IVD |
| CD3 (Early T Cell Marker) | RM-9107 | IVD |
| CD3epsilon | RM-2109 | IVD |
| CD5 [SP19] | RM-9119 | IVD |
| CD7 [EPR4242] | RM-2122 | IVD |
| CD79a / mb-1 (B-Cell Marker) [SP18] | RM-9118 | IVD |
| CD8 [SP16] | RM-9116 | IVD |
| CDX2 [EPR2764Y] | RM-2116 | IVD |
| Chromogranin A [SP12] | RM-9112 | IVD |
| COX2 | RM-9121 | IVD |
| Cyclin D1 / Bcl-1 [SP4] | RM-9104 | IVD |
| Cyclin D1 [EPR2241IHC] | RM-2113 | IVD |
| DOG-1 [SP31] | RM-9132 | IVD |
| E-Cadherin | RM-2100 | IVD |
| Epidermal Growth Factor Receptor (EGFR) [EP38Y] | RM-2111 | IVD |
| Estrogen Receptor [SP1] | RM-9101 | IVD |
| Keratin 18 | RM-2108 | IVD |
| Keratin 5 | RM-2106 | IVD |

| Description | REF Num | |
|---|---------|-------------|
| Keratin 8 | RM-2107 | IVD |
| Ki-67 [SP6] | RM-9106 | IVD |
| Napsin-A [EPR6252] | RM-2121 | IVD |
| p504S/ AMACR [13H4] | RM-9130 | RUO/ ASR |
| p53 | RM-2103 | IVD |
| p53 [SP5] | RM-9105 | IVD |
| Pax-5 | RM-9133 | IVD |
| Placental Alk. Phosphatase (PLAP) | RM-9115 | IVD |
| PMS2 [EPR3947] | RM-2120 | IVD |
| Progesterone Receptor [SP2] | RM-9102 | IVD |
| Progesterone Receptor [YR85] | RM-2114 | IVD/ASR |
| Prostate Specific Membrane Antigen (PSMA) [SP29] | RM-9131 | IVD |
| PSA [EP1588Y] | RM-2104 | RUO/ASR |
| Synaptophysin (Neuroendocrine Marker) | RM-9111 | IVD |
| Vimentin | RM-9120 | IVD |
| Heparan Sulfate Proteoglycan | RT-794 | RUO |
| Laminin B2 / Beta 1 | RT-796 | RUO |
| Laminin B2 / gamma1 | RT-795 | RUO |
| Vitamin D Receptor (VDR) | RT-200 | RUO |
| C3c Complement, Polyclonal FITC Labeled C Labeled | SH-1923 | RUO |
| Immunoglobulin A (IgG), Polyclonal FITC Labeled | SH-1920 | RUO |
| Immunoglobulin G (IgG), Polyclonal FITC Labeled | SH-1921 | RUO |

Rabbit Monoclonal Antibodies

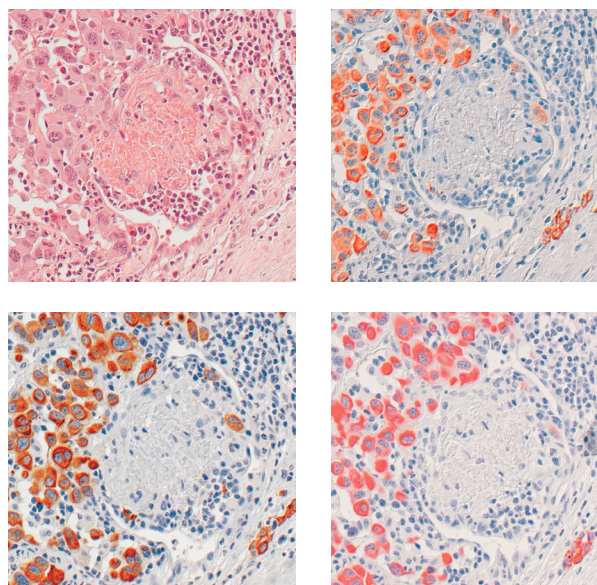
| Description | Clone | Order Number | Use |
|---|----------|--------------|---------|
| E-Cadherin | EP700Y | RM-2100 | IVD |
| Beta-Catenin | E247 | RM-2101 | IVD |
| p53 | Y5 | RM-2103 | IVD |
| PSA | EP1588Y | RM-2104 | RUO/ASR |
| Cytokeratin 5 | EP1601Y | RM-2106 | IVD |
| Cytokeratin 8 | EP1628Y | RM-2107 | IVD |
| Cytokeratin 18 | E431-1 | RM-2108 | IVD |
| CD3epsilon | EP449E | RM-2109 | IVD |
| Epidermal Growth Factor Receptor | EP38Y | Rm-2111 | IVD |
| c-erbB2 / HER-2 / neu | EP1045Y | RM-2112 | IVD/ASR |
| Progesterone Receptor | YR85 | RM-2114 | IVD/ASR |
| CD20 | EP459Y | RM-2115 | IVD |
| CDX2 | EPR2764Y | RM-2116 | IVD |
| MSH6 | EPR3945 | RM-9119 | IVD |
| PMS2 | EPR3947 | RM-2120 | IVD |
| Napsin-A | EPR6252 | RM-2121 | IVD |
| CD7 | EPR4242 | RM-2122 | IVD |
| Estrogen Receptor | SP1 | RM-9101 | IVD |
| Progesterone Receptor | SP2 | RM-9102 | IVD |
| c-erbB-2 / HER-2 / neu | SP3 | RM-9103 | IVD/ASR |
| Cyclin D1 / Bcl-1 | SP4 | RM-9104 | IVD |
| p53 | SP5 | RM-9105 | IVD |
| Ki-67 | SP6 | RM-9106 | IVD |
| CD3 (Early T Cell Marker) | SP7 | RM-9107 | IVD |
| ALK (Anaplastic Lymphoma Kinase) | SP8 | RM-9108 | IVD |
| Synaptophysin (Neuroendocrine Marker) | SP11 | RM-9111 | IVD |
| Chromogranin A | SP12 | RM-9112 | IVD |
| Calretinin | SP13 | RM-9113 | IVD |
| Placental Alk. Phosphatase (PLAP) | SP15 | RM-9115 | IVD |
| CD8 | SP16 | RM-9116 | IVD |
| Calcitonin | SP17 | RM-9117 | IVD |
| CD79a / mb-1 (B-cell marker) | SP18 | RM-9118 | IVD |
| CD5 | SP19 | RM-9119 | IVD |
| Vimentin | SP20 | RM-9120 | IVD |
| COX2 | SP21 | RM-9121 | IVD |
| p504S / AMACR | 13H4 | RM-9130 | RUO/ASR |
| Prostate Specific Membrane Antigen (PMSA) | SP29 | RM-9131 | IVD |
| DOG-1 | SP31 | RM-9132 | IVD |
| Pax-5 | SP34 | RM-9133 | IVD |

Rabbit monoclonal antibodies combine the benefits of outstanding antigen detection in the rabbit immune system with the specificity and consistency of monoclonal antibodies, making them one of the best antibodies around¹.

Antibodies produced in rabbits have a greater affinity than antibodies taken from mice. New cloning technologies allow the production of highly specific and sensitive antibodies from rabbits.

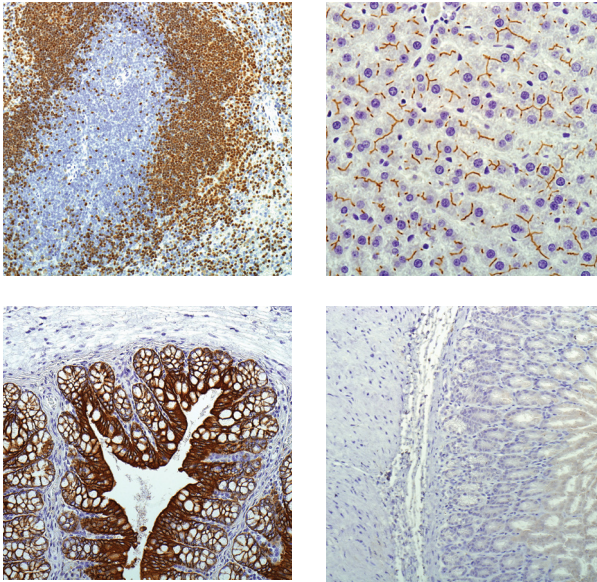
At the same time, the rabbit immune system generates antibody diversity and optimizes the affinity of the antibodies generated using mechanisms which are considerably more efficient than in mice or other rodents. This means that many antigens which are not immunogenic in mice or rats do trigger a response in rabbits.

Studies show rabbit monoclonal antibodies are more sensitive and specific than other available markers¹.



¹Rossi S, et al. (2005). Rabbit Monoclonal Antibodies: A Comparative Study Between a Novel Category of Immunoreagents and the Corresponding Mouse Monoclonal Antibodies. Am. J. Clin. Pathol. 124:295-302. Doi: 10.1309/NR8HN08GDPVEMU08.

Mouse on Mouse HRP Detection System



Historically immunohistochemistry (IHC) staining with mouse antibodies on mouse tissue has been a challenge. The results were compromised by high levels of undesirable background or weak signal from interactions between the detection system and mouse tissues. The EpreDia UltraVision Quanto Mouse on Mouse HRP Detection System eliminates these challenges so laboratories can routinely produce optimal results.

Suggested Primary Antibodies

Mouse antibodies from any source are compatible with the UltraVision Quanto Mouse on Mouse Detection System. Below are a few antibodies and suggested protocols that you may find useful for your research

| Description | Qty. | Order Number | Use |
|----------------------------|--------|--------------|-----|
| Quanto Mouse on Mouse | 60 mL | TL-060-QHDM | RUO |
| DAB Quanto | 60 mL | TA-060-QHDX | IVD |
| Antibody Diluent OP Quanto | 125 mL | TA-125-ADQ | IVD |

| Description | Clone | Order Number | Antigen Retrieval* | Incubation Time |
|--------------|-------------|--------------|--|-----------------|
| CD4 | 4B12 | MS-1528 | Dewax and HIER Buffer M (EDTA-based) 20 minutes 98c | 30 min |
| CD7a | JCB117 | MS-1171 | Dewax and HIER Buffer L (Citrate-based) 20 minutes 98c | 20 min |
| CD8 | C8/144B | MS-457 | Dewax and HIER Buffer L (Citrate-based) 20 minutes 98c | 20 min |
| Cdk1 | A17.1.1 | MS-110 | Dewax and HIER Buffer L (Citrate-based) 20 minutes 98c | 20 min |
| CK7 | OV-TL 12/30 | MS-1352 | Dewax and HIER Buffer M (EDTA-based) 20 minutes 98c | 20 min |
| Cytochrome C | 7H8.2C12 | MS-1192 | Dewax and HIER Buffer L (Citrate-based) 20 minutes 98c | 20 min |
| Hepatocyte | OCH1E5 | MS-1810 | Dewax and HIER Buffer L (Citrate-based) 20 minutes 98c | 20 min |
| P300/CBP | NM11 | MS-586 | Dewax and HIER Buffer L (Citrate-based) 20 minutes 98c | 20 min |
| PCNA | PC10 | MS-106 | Dewax and HIER Buffer L (Citrate-based) 20 minutes 98c | 20 min |
| TFF1 | 8G7G3/1 | MS-699 | Dewax and HIER Buffer L (Citrate-based) 20 minutes 98c | 20 min |
| Villin | CWWB1 | MS-1499 | Dewax and HIER Buffer L (Citrate-based) 20 minutes 98c | 20min |

*Please reference the product Instruction For Use for updates.

IHC Detection Systems

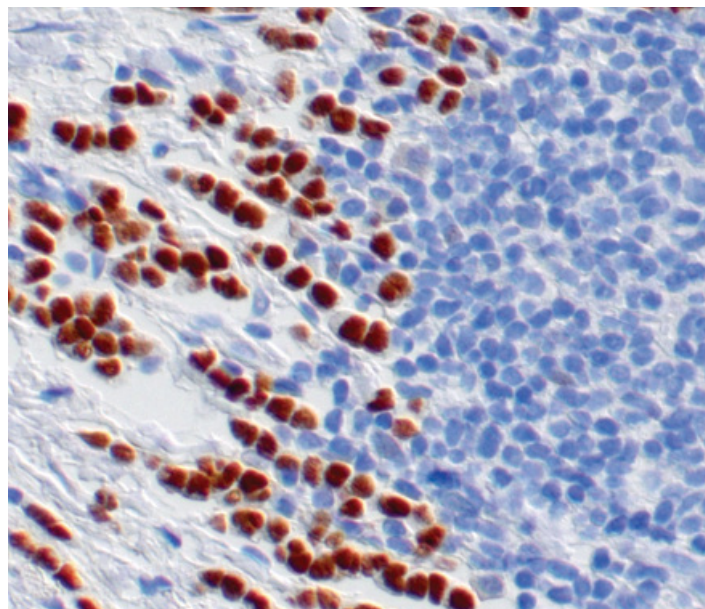
Which detection system is best for your laboratory?

To complement our robust antibody portfolio we offer an array of detection technologies designed to meet the needs of the clinical and research market. The following guide is designed to help you determine the best kit for your application. See the following detection system packages for detailed information on each detection kit. When in doubt you may contact your local representative or our technical service team at lab.reagents@thermofisher.com.

UltraVision Quanto Detection Kit (IVD)

The UltraVision Quanto Detection System utilizes innovative micropolymer technology that enhances sensitivity while reducing costs and turnaround time². This system is optimized for mouse and rabbit antibodies on human specimens and is ideal for routine clinical testing.

| Description | REF Num | Use |
|--|------------|-----|
| UltraVision Quanto Detection System AP 60 mL | TL-060-QAL | IVD |
| UltraVision Quanto Detection System HRP DAB 60 mL | TL-060-QHD | IVD |
| UltraVision Quanto AP 1 L | TL-999-QAL | IVD |
| UltraVision Quanto Complete Kit 125 mL | TL-125-QCK | IVD |
| UltraVision Quanto Complete Kit 60 mL | TL-060-QCK | IVD |
| UltraVision Quanto Detection System AP 125 mL | TL-125-QAL | IVD |
| UltraVision Quanto Detection System HRP 125 mL | TL-125-QHL | IVD |
| UltraVision Quanto Detection System HRP 60 mL | TL-060-QHL | IVD |
| UltraVision Quanto Detection System HRP DAB 125 mL | TL-125-QHD | IVD |
| UltraVision Quanto Detection System HRP DAB Sample 15 mL | TL-015-QHD | IVD |
| UltraVision Quanto HRP 1LTL-999-QPB/QPH and TA-999-PBQ | TL-999-QHL | IVD |
| UltraVision Quanto HRP DAB 1 L | TL-999-QHD | IVD |



²NoriQC Review of Technical Test Approach Montreal 2010 <http://www.nordiqc.org/seminars/Nielsen-Montreal-08-July-10.pdf>

IHC Detection Systems

UltraVision Labeled Polymer (LP) (IVD)

UltraVision LP is the predecessor of UltraVision Quanto. UltraVision LP works well in clinical applications and produces strong, consistent results.

Note: UltraVision LP enhances mouse antibodies but does not enhance rabbit antibodies.

| Description | REF Num | Use |
|--|-----------|-----|
| Kit PV HRP polymer 1LTL-999-PB/PH and TA-999-PBQ | TL-999-HL | IVD |
| UltraVision LP HRP Polymer & DAB Chromogen 15 mL | TL-015-HD | IVD |
| UltraVision LP HRP Polymer & DAB Chromogen 60 mL | TL-060-HD | IVD |
| UltraVision LP HRP Polymer & DAB Chromogen 125 mL | TL-125-HD | IVD |
| UltraVision LP Large Vol AP Polymer (RTU) 60 mL | TL-060-AL | IVD |
| UltraVision LP Large Vol AP Polymer (RTU) 125 mL | TL-125-AL | IVD |
| UltraVision LP Large Vol HRP Polymer (RTU) 60 mL | TL-060-HL | IVD |
| UltraVision LP Large Vol HRP Polymer (RTU) 125 mL | TL-125-HL | IVD |

IHC Detection Systems

UltraVision ONE (IVD)

UltraVision ONE offers the protocol with the least number of steps and is ideal for clinical applications with frozen section or where few steps are ideal.

| Description | REF Num | |
|---|------------|-----|
| UltraVision ONE Large Vol. HRP Polymer (RTU) 125 mL | TL-125-HLJ | IVD |
| UltraVision ONE Large Vol. AP Polymer (RTU) 125 mL | TL-125-ALJ | IVD |
| UltraVision ONE, AP Polymer & Fast Red Chromogen 15 mL | TL-015-AFJ | IVD |

Multivision (IVD)

The Multivision system is designed for visualizing two antigens on a single slide.

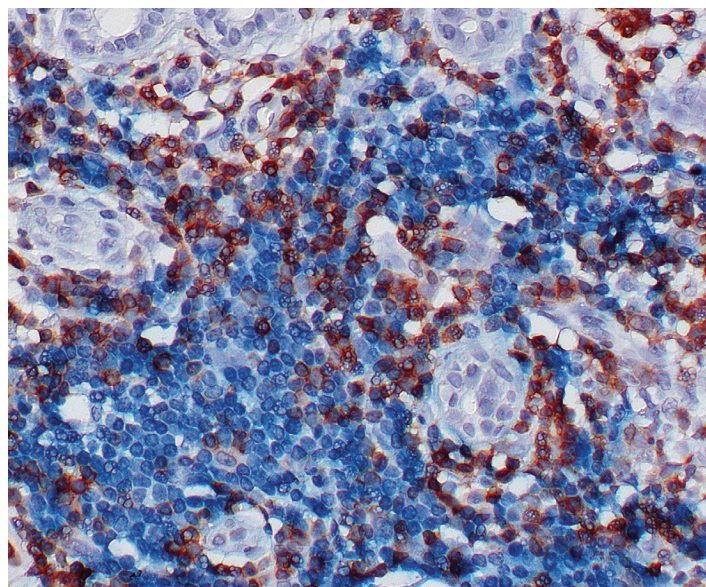
Epredia UltraVision and UltraVision Plus (IVD)

Robust Biotin and Streptavidin System

Epredia UltraVision LP Value (IVD)

Similar technology to UltraVision LP at a more affordable price

| Description | REF Num | |
|---|-------------|-----|
| MV Polymer/ anti-mouse/ AP+anti Rabbit/HRP 12 mL | TL-012-MARH | IVD |
| MV Polymer/ anti-mouse/ HRP+anti Rabbit/AP 12 mL | TL-012-MHRA | IVD |



IHC Ancillary Products

| Description | REF Num | |
|--|--------------|-----|
| Antibody Diluent OP Quanto | TA-125-ADQ | IVD |
| Tween 20 (Polyoxyethylenesorbitan Monolaurate) 125 mL | TA-125-TW | RUO |
| UltraVision DAB Away 250 mL | TA-250-DA | IVD |
| UltraVision Protein Blk 125 ml | TA-125-PBQ | IVD |
| UltraVision Protein Block 60 ml | TA-060-PBQ | IVD |
| UV Hydrogen Peroxide Block 1 L | TA-999-H2O2Q | IVD |
| UV Hydrogen Peroxide Block 125 ml | TA-125-H2O2Q | IVD |
| UV Hydrogen Peroxide Block 60 ml | TA-060-H2O2Q | IVD |
| FITC Protein Blocking Agent (PBA) 6 mL | TA-006-PBA | IVD |
| Phosphate Buffered Saline (10X) 10 mL | AP-9009-10 | IVD |
| Phosphate Buffered Saline and Tween 20 Large Vol (20X) | TA-999-PT | IVD |
| Tris Buffer Saline and Tween 20 Large Vol (20X) 999 mL | TA-999-TT | IVD |

| Description | REF Num | |
|---|-----------|-----|
| Large Vol Phosphate Buffered Saline (25X) 125 mL | TA-125-PB | IVD |
| Large Vol Phosphate Buffered Saline and Tween 20 (20X) 125 mL | TA-125-PT | IVD |
| Large Vol Tris Buffer Saline and Tween 20 (20X) 125 mL | TA-125-TT | IVD |
| Large Vol Tris Buffered Saline (25X) 125 mL | TA-125-TB | IVD |
| Mayer's Hematoxylin 125 mL | TA-125-MH | IVD |
| Mayer's Hematoxylin 60 mL | TA-060-MH | IVD |
| PermaFluor Aqueous Mounting Medium 30 mL | TA-030-FM | IVD |
| PermaFluor Aqueous Mounting Medium 6 mL | TA-006-FM | IVD |
| SI Prep, Aqua-Mount 125 mL | TA-125-AM | IVD |

Archiving and Storage

reliability
through
automation



Innovative Storage and Retrieval

Arcos™ tissue block and new Arcos SL™ slide management system is designed to enhance traceability, minimize errors, increase productivity and keep your laboratory's resources focused on what matters most – positive patient outcomes. EpreDia also offers manual storage options for your laboratory.

Lost Slides a Thing of the Past

- System maintains a complete record of all samples
- Samples can be easily accessed and searched
- Check-in/Check-out controls provide visibility to who checked it out, when it's due back, and why it was needed

Increased Accuracy

- Reduces the risk of errors and cassette or slide loss endemic to the hand-sorting process
- After check-out, samples can be returned to any tray; the database is automatically updated

Reliable Retrieval

- Find slides quickly and easily
- Select the slide or cassette you need and the Arcos system will tell you where the tray is located in the archive and the exact position of the item within the tray

Classic Storage

- With manual storage options from heavy-duty steel cabinets to customizable color-coded filing cabinets, there are solutions for every lab's budget and workflow needs

The Total Solution

- Get peace of mind with EpreDia extended service contracts that include preventative maintenance and thorough, expedited repairs, ensuring minimal downtime in your laboratory





Arcos Block Management System

Misplaced blocks – a thing of the past

- The Arcos block management system aids in maintaining a proper chain of custody by retaining a complete record of all blocks in storage that can be easily accessed and searched at any time
- Track and control the movement of every block – who checked it out, why it was needed and when it's due back
- The Arcos system alerts you immediately when a block is out of the system longer than anticipated

Increased accuracy

- The Arcos system helps avoid errors endemic to the hand-sorting process
- After check-out, blocks can be returned to any tray. When scanned, the database is automatically updated

Database integrity

- Redundant protection: your database is automatically updated on Flash storage within the Arcos scanner. The unit can be configured to automatically archive your database to your choice of secure storage – hard drive, external network- or cloud-based
- Control individual user database access and modification permissions

Archived in an instant

- Simply place your blocks in the Arcos tray right at the microtome. At the end of the day, push the tray into the scanner. In about two minutes, the Arcos system will scan, photograph and record the position of every block in the tray. Enter the storage location for the tray and your database will be updated immediately
- No more time consuming manual sorting; scan hundreds of blocks at once

Reliable retrieval

- Find tissue blocks quickly and easily. Select the block needed and the Arcos system will tell you where the tray is located in your archive and the exact position of the block within the tray
- Time to return the block to storage? Simply place it in the next tray to be scanned, the Arcos system will automatically update your database to reflect its new position

Physical Specifications

Dimensions (D x W x H):
22.44 x 16.14 x 9.84 in.
(57 x 41 x 25 cm)

Weight:
57.32 lbs (26 kg) (scanner only)

Power requirements:
100 - 240 VA, 0.8A (50 - 60 Hz)

Includes:

Scanner, PC with software,
handheld PDA, and Zebra Printer

Big savings

- The Arcos system has been shown to save of man-hours in busy laboratories – freeing up staff to focus on revenue-generating tasks
- The system makes it quick and easy to track block retrievals eligible for CPT Code 88363 reimbursement

A natural fit for your workflow

- The compact form-factor of the scanner is designed to fit neatly within space-challenged laboratories



| Description | Order Number |
|--|--------------|
| Arcos Block Management System (Includes scanner, PC with software, PDA, and Zebra Printer) | B84700001 |

| Accessories | Order Number |
|--|--------------|
| Arcos trays (pack of 6, 240 blocks / tray) | B84710001 |
| Stackable cabinet (fits 18 trays) | B84710007S |
| Stackable cabinet (fits 24 trays) | B84710008S |
| Wheels for stackable cabinets (pack of 4) | B84710009 |
| Cardboard sleeve for tray storage (pack of 25) | B84710005 |
| Hook for removing blocks from tray | B84710006 |





Arcos SL Slide Management System

Simple Slide Storage

- The Arcos SL slide management system is designed to give laboratories a simple way to archive slide specimens while providing a highly secure chain of custody
- Simply place slides in the Arcos SL slide tray and slide it into the scanner. The scanner will read each slide's barcode and keep track of exactly where each slide is located in storage

Efficiency at its Finest

- Reads 240 slides at a time by scanning each slide's unique identifier
- Associates each slide to a specific tray position and storage location within your laboratory's archives for easy retrieval
- Put slides back in any position and the scanner will update the slide's location in the software system

Database integrity

- Redundant protection: your database is automatically updated on Flash storage within the Arcos SL scanner. The unit can be configured to automatically archive your database to your choice of secure storage – hard drive, external network- or cloud-based
- Control individual user database access and modification permissions

Reliable retrieval

- Find slides quickly and easily. Select the slide needed and the Arcos SL system will tell you where the tray is located in your archive, and the exact position of the slide within the tray

Protecting Precious Specimens

- Arcos SL trays hold slides securely in a shingled manner, allowing maximum visibility to each slide's tab while maintaining a separation between the slides to avoid damage and cross contamination

Smart Storage

- When used with the Arcos SL slide management system, the storage trays make archival and retrieval easy. Each tray features a unique serial number and easy-to-navigate XY coordinate guides. Slides are neatly arranged and simple to identify and locate

Physical Specifications

Dimensions (D x W x H):
17.85 x 28.35 x 13.27 in.
(45.35 x 72 x 33.7 cm)

Weight:
48.5 lbs (22 kg)

Power requirements:
100 - 240 VAC (~) +/-10% / 0.7A
(50 - 60 Hz)

Includes:

Scanner, PC with software,
handheld PDA, and Zebra Printer

| Description | Order Number |
|---|--------------|
| Arcos SL Slide Management System (Includes scanner, PC with software, PDA, and Zebra Printer) | A85300001 |

| Accessories | Order Number |
|--|--------------|
| Arcos SL trays (pack of 20, 240 slides per tray) | A85310009 |
| Stackable cabinet (empty, fits 40 trays) | A85310010 |
| Stackable cabinet (includes 40 trays) | A85310011 |
| Four cardboard tray storage box (pack of 25) | A85310012 |
| Tweezers for removing slides from tray | A85310013 |



Steel Storage Cabinets

High-quality steel cabinets are ideal for the safe storage of microscope slides, slide filing wallets, processing cassettes, blocks and transparencies and are available in two sizes.

- The standard size for floor stacking is available in three colors, blue, green and two-tone gray
- The MINI range, which is ideal for bench top use, is half the depth of the standard cabinet and is only available in two-tone gray
- The Colorstack™ cabinets are ideal for color-coding your slides as they are available with several different color drawer fronts
- All cabinets are completely sealed top and bottom to ensure dust-free storage and have a lip running the full width of both front and rear to ensure secure location when stacking. Each drawer is fitted with stops to prevent their accidental removal, however the drawers can be removed and relocated
- Base stands (available in black only) and colored top covers are available for the cabinets. The base stand comes in a standard type and a heavy duty wheeled base type. The standard base stand raises the cabinets off the ground so that the drawers can be easily opened and the wheeled base stand can be used to mobilize a stack of cabinets
- The number of cabinets that can be stacked is totally dependent on the contents / weight of each cabinet as well as the floor capacity



Blockstore Cabinet

The Blockstore Cabinet accepts processing cassettes, embedding rings and unmounted blocks up to 12 x 25 x 30 mm.

- Eight drawers each divided into seven rows 30 mm wide
- Available in three colors, blue, green and two-tone gray
- Available in two sizes, standard and MINI (gray only)

| Accessories | Order Number |
|------------------------------------|--------------|
| 3000 cassettes (48 x 48 x 27.5 cm) | E4322BLUE |
| 3000 cassettes (48 x 48 x 27.5 cm) | E4322GRAY |



Fourteen-Drawer Slide Filing Cabinet

The fourteen-drawer cabinet is designed for the storage of 76 x 26 mm microscope slides.

- Available in three colors, blue, green and two-tone gray
- Available in two sizes, standard and MINI (gray only)
- Slides that are not dry can also be stored using a spring spacer to separate them (order number E43/16)

| Accessories | Order Number |
|-------------------------------|--------------|
| 6000 slides (48 x 48 x 14 cm) | E4312BLUE |
| 6000 slides (48 x 48 x 14 cm) | E4321GREEN |
| 6000 slides (48 x 48 x 14 cm) | E4321GRAY |



Stackable Slide Storage Cabinet

- Holds up to 5,000 standard 75 x 26 mm microscope slides
- Six-cell metal unit is finished in beige baked enamel
- Unit is sold complete with drawers
- Cabinets lock together when stacked
- Metal base (ordered separately) is mounted on four rubber feet to protect bench surfaces and floors

| Accessories | Order Number |
|---------------------------------------|--------------|
| Storage cabinet (48.3 x 40 x 12.7 cm) | 141000 |
| Cabinet base (47.6 x 40 x 7 cm) | 141001 |

Colorstack Filing Cabinets



Colorstack Filing Cabinets

- Colorstack cabinets have been designed to color-code the storage of 76 x 26 mm slides
- Available in ten different drawer colors
- Cabinet and drawer bodies are supplied in a cream epoxy-coated metal
- Fit standard base stands (order number E4315)



Replacement Drawers and Archiving System

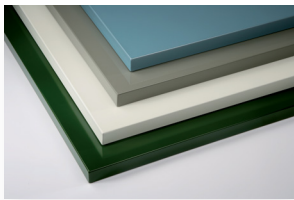
To save time and the need for unnecessary handling of slides, simply replace a full Colorstack drawer with an empty one. The replacement drawers are supplied in sets of four in a box designed to be re-used for the long-term storage of full drawers.

- Each box contains a set of four replacement color-coded drawers
- Available in the same ten colors as the Colorstack cabinets

| Color | Dimensions | Capacity | Order Number (Cabinets with Drawers) | Order Number (Replacement Drawers) |
|---|-----------------|-------------|--|--|
|  | 48 x 48 x 14 cm | 6000 slides | E4312CAQUA | E4312CDAQUA |
|  | 48 x 48 x 14 cm | 6000 slides | E4312CBBLUE | E4312CDBBLUE |
|  | 48 x 48 x 14 cm | 6000 slides | E4312CGREEN | E4312CDGREEN |
|  | 48 x 48 x 14 cm | 6000 slides | E4312CGRAY | E4312CDGRAY |
|  | 48 x 48 x 14 cm | 6000 slides | E4312CLILAC | E4312CDLILAC |
|  | 48 x 48 x 14 cm | 6000 slides | E4312CORANGE | E4312CDORANGE |
|  | 48 x 48 x 14 cm | 6000 slides | E4312CPINK | E4312CDPINK |
|  | 48 x 48 x 14 cm | 6000 slides | E4312CTAN | E4312CDTAN |
|  | 48 x 48 x 14 cm | 6000 slides | E4312CWHITE | E4312CDWHITE |
|  | 48 x 48 x 14 cm | 6000 slides | E4312CYELLOW | E4312CDYELLOW |

Colors are a representation only

Top Covers, Stands, and Storage Boxes

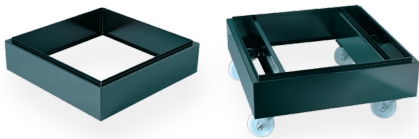


Top Cover

Metal top cover for the Epredia cabinets.

- Enables the cabinet to be used as a work surface

| Accessories | Order Number |
|------------------|--------------|
| 48 x 48 x 2.5 cm | E4314GREEN |



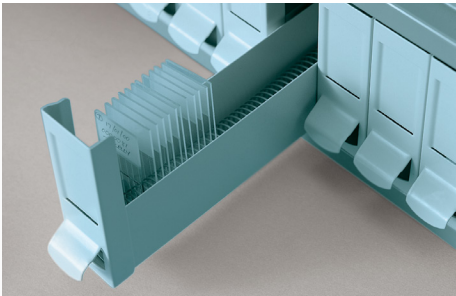
Standard and Heavy-Duty Wheel Base Stand

Black base stands for the Epredia cabinets.

- Wheeled base stand is reinforced with four heavy-duty swivel caster wheels

| Accessories | Order Number |
|--|--------------|
| Standard (48 x 48 x 11 cm) | E4315 |
| Standard heavy-duty wheel base stand (48 x 48 x 20 cm) | E4315/HDWB |

Accessories for Epredia Storage Cabinets



Spring Spacers

If slides are stored before they are completely dry, the spring spacer will separate them to stop them from sticking.

| Compatible Cabinet | Order Number |
|-----------------------------|--------------|
| E4312Color and E4312C/Color | E4316 |



Slide Filing Location Strips

These strips are used to identify the location of a slide that has been removed from a cabinet.

| Description | Order Number |
|--------------------|--------------|
| White (100 / pack) | E4325 |

Drawer Dividers

This divider can be used in the seven-drawer filing cabinet so that 76 x 26 mm slides can be stored as well as larger slides, etc.

| Compatible Cabinet | Order Number |
|--------------------|--------------|
| E4313Color | E4321 |

Foam Dividers

This divider is used to hold 76 x 26 mm slides upright in the slide drawer.

| Compatible Cabinet | Order Number |
|--|--------------|
| E43/12Color, E43/12MINI, and E43/12C/Color | B1000152 |



Plastic Slide Boxes

Extremely durable plastic slide boxes to store 76 x 26 mm slides.

- Three sizes available – 25, 50 or 100 slide capacity
- Lids separate on the 25 and 50 slide capacity boxes
- 50 capacity slide box has a plastic catch
- 100 capacity slide box has a metal clasp
- Three colors available – white, blue and red
- Cork lined with index card in lid

| Description | Order Number |
|--|--------------|
| 25-slide box (5.5 x 3.375 x 1.25 in.) | |
| White | B1780 |
| Red | B1781 |
| Blue | B1782 |
| 50-slide box (8.25 x 3.375 x 1.25 in.) | |
| White | B1783 |
| Red | B1784 |
| Blue | B1785 |
| 100-slide box (8.25 x 6.375 x 1.25 in.) | |
| Red | B1787 |
| Blue | B1788 |



Slide Storage Box

100 slide capacity

- Plastic construction
- Indexed to aid in retrieval of stored slides

| Description | Order Number |
|---------------------------|--------------|
| Plastic slide storage box | 58299 |

Slide Trays, Mailers, Envelopes, and Folders

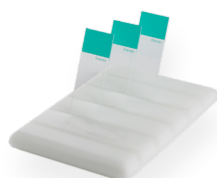


Plastic Slide Folders

Plastic slide folders available for the easy color-coding of 76 x 26 mm slides.

- 20 slide capacity
- Available in five colors
- Stackable with transparent cover

| Description | Qty. | Order Number |
|-------------|-----------|--------------|
| Blue | 10 / case | B1001200BL |
| Green | 10 / case | B1001200GR |
| Gray | 10 / case | B1001200GY |
| White | 10 / case | B1001200WH |
| Yellow | 10 / case | B1001200YW |



Slide Holder

Slide Holder is made of high-density polyethylene that will not swell, warp or crack.

- Can be used in microwaves and drying ovens
- Dimensions (W x H): 4 x 6 in. (10 x 25 cm)

| Description | Qty. | Order Number |
|--------------|----------|--------------|
| Slide holder | 5 / case | SH460 |



Mailer and Folder

Slide Mailer, Storage Box and Folders are designed to hold 20 slides.

Slide Mailer

- Cardboard construction
- Holds two 3 x 1 in. (76 x 25 mm) microscope slides
- (W x H) 3.125 x 4 in. (79 x 102 mm) configuration conforms to U.S. Postal regulations
- Cut-out windows allow viewing of patient identification
- Each box holds 30 mailers
- Sold 24/box; 30 boxes per case

Slide Folder

- Plastic construction
- See-through flaps eliminate need to open the folder when searching for slides
- Easy-to-clean

| Description | Qty. | Order Number |
|--------------|----------|--------------|
| Slide mailer | 24 / box | 2500 |



Mailer and Envelope

Slide Mailers and Envelopes are available in plastic.

- Plastic mailer holds five slides in a single-piece design with built-in slide separators and a hinged, tight-fitting lid

| Description | Qty. | Order Number |
|-------------|-----------|--------------|
| Plastic | 12 / pack | 125 |



Cardboard Slide Folders

Cardboard Slide Folders are made of heavy, reinforced cardboard.

- Hold 3 x 1 in. (76 x 26 mm) microscope slides
- Available in two capacities

Physical specifications

- 20-slide folder (closed): (W x H): 8 x 13.5 in. (20. x 34.3 cm)
- 30-slide folder: (W x H): 10.125 x 13.5 in. (28. x 34.3 cm)

| Description | Order Number |
|-----------------|--------------|
| 20-slide folder | 1604 |
| 30-slide folder | 1606 |
| 40-slide folder | 1607 |

Digital Pathology

collaborative
digital
solutions



Comprehensive Digital Pathology Solutions

When slides need to be scanned for consultation or analysis, having choices in capacity and speed are critical. The slide scanners from 3DHistech are designed to bring digital pathology to any lab, and allow for virtually instant communication between doctors and labs around the world.

Comprehensive Solutions

- Complete family of scanners for any size lab
- Fully automated tissue microarrayers designed to save time and produce array blocks while conserving valuable tissue samples
- QuantCenter technology provides automatic image analysis across a spectrum of quantification needs

Flexibility for Any Lab

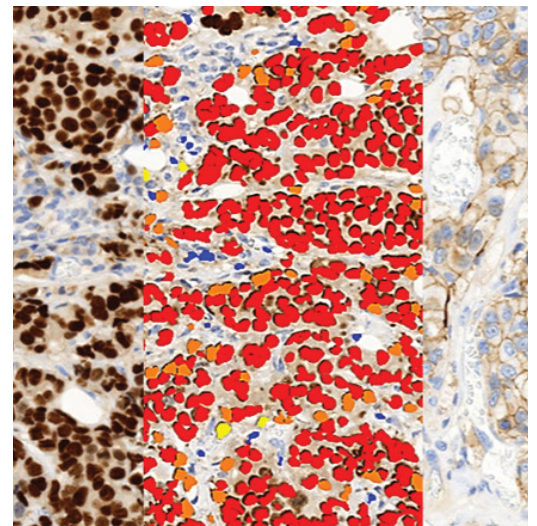
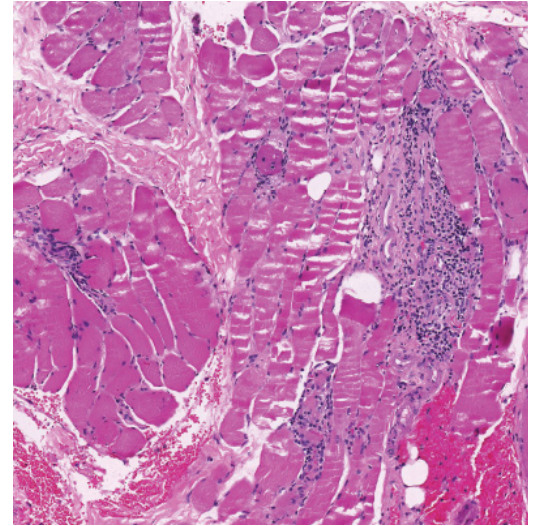
- Scanners for brightfield only or combined brightfield and fluorescent scanning in both live-view and saved to folder settings
- Slide capacities from one up to 1,000 slides per load
- Hands free microarray crafting customized core blocks for low and high volume labs

Collaboration is Easy

- Communication with other labs has never been easier or faster, with the ability to scan slide images and send them for further viewing within seconds

The Total Solution

- Get peace of mind with EpreDia extended service contracts that include preventative maintenance and thorough, expedited repairs, ensuring minimal downtime in your laboratory



For research and education uses only, not for use in diagnostic procedures

3DHistech Pannoramic Slide Scanners



3DHistech Pannoramic 1000

3DHistech's Pannoramic™ 1000 is an end-user friendly, fast, and efficient slide digitalization system. Its 1000-slide capacity and robust design offer a reliable solution for high-volume whole-slide imaging.

- Ability to load up to 1000 standard slides at once
- Double width slide options for mixed standard and double width slide scanning at the same time
- Fully automatic loading and imaging reduces time in-between scans for high throughput
- Robust granite base reduces vibration artifact giving superior image quality
- Dual slide stage enables scanning and exchanging slides at the same time increasing work flow
- Heavy duty construction for high slide volume use
- Low maintenance design allowing a walk-a-way implementation
- STAT options to prioritize which slides get scanned first
- Rapid loading of slide holders without slowing throughput
- Preview samples for defined protocols while routine slides scan
- Two objectives exchangeable automatically during scanning for routine and high magnification demands
- 1D and 2D barcode reading and parsing
- Automated tissue detection and automated coverslip detection eliminate scanning non-sample areas

For research and education uses only, not for use in diagnostic procedures

3DHistech Panoramic 250 FLASH III



3DHistech™ Panoramic 250 Flash III, an all-in-one solution for digital pathology research and archiving. Enjoy increased speed and efficiency in routine digital pathology with 60 slides per hour.

- 250-slide capacity and continuous loading with vertical slide arrangement
- Award-winning, exceptional image quality for both brightfield and fluorescent scanning with up to nine single-band or multi-band filter slots with advanced FISH scanning techniques
- Pulsed Xenon FLASH light source for high-speed brightfield scanning
- Single or dual objective options for both low and high magnification needs up to 116x
- Darkfield preview for easy optimization of fluorescent samples
- Brightfield slide scanning in one minute at 40x resolution
- Motorized objective and camera changer
- Automatic slide loading, previewing, barcode reading and scanning
- All-round system for high-volume slide scanning in brightfield only or brightfield and fluorescent options

3DHistech Panoramic SCAN II



Save time in routine pathology and enjoy brightfield only or brightfield and fluorescent scanning solutions in the same machine.

- 150-slide capacity and continuous loading with vertical slide arrangement
- Award-winning, exceptional image quality for both brightfield and fluorescent scanning with up to nine single-band or multi-band filter slots with advanced FISH scanning techniques
- Single or dual objective options for both low and high magnification needs up to 116x
- Motorized objective changer
- One high-quality monochrome camera is used for both brightfield and fluorescence with unique three-channel brightfield light source and Lumencor FL Light Engines
- Automatic slide loading, previewing, barcode reading and scanning
- All-around system for medium volume slide scanning
- Darkfield preview for easy optimization of fluorescent samples

For research and education uses only, not for use in diagnostic procedures



3DHistech Panoramic MIDI II

A versatile, low-volume digital pathology solution for smaller labs.

- Twelve-slide capacity and continuous loading with horizontal slide arrangement
- Wet slide compatibility
- Brightfield and up to nine single-band or multi-band filter slots for fluorescent scanning
- Single or dual objective options for both low and high magnification needs up to 116x
- Darkfield preview for easy optimization of fluorescent samples
- Award-winning, exceptional image quality for both brightfield and fluorescent scanning with up to nine single-band or multi-band filter slots with advanced FISH scanning techniques



3DHistech DESK II

An excellent choice for teleconsultation and remote section scanning.

- Double-wide slide capacity
- Brightfield only scanning
- 40x and higher magnification options

For research and education uses only, not for use in diagnostic procedures

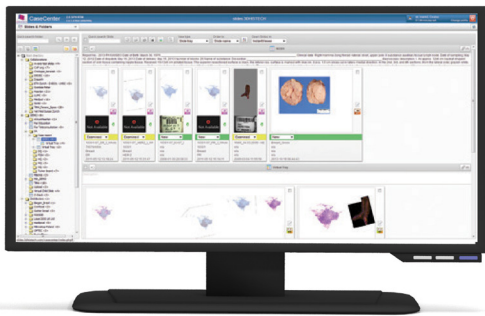
3DHistech Frozen Section Solutions



3DHistech MacroStation

3DHISTECH MacroStation – easy-to-use grossing platform with image recording system. Designed to share images of specimens large and small. Document linked margins, orientation sutures/wires, and dissection samples.

- Lightweight design, so it does not require any additional work for its installation and daily use
- Built-in light source and zoom functions to ensure high-quality gross images
- Chemical resistant materials for the easy cleaning
- Images can be uploaded and can be used as regular whole slide images for annotation, sharing or teleconsultations



3DHISTECH CaseCenter

CaseCenter is a full featured digital slide management software. Its flexible structure can be adapted to various fields, including research applications, teleconsultation and education. Integration with existing medical information systems is also possible.

- Digital slide management with flexible folder and case structure
- Use barcodes to organize your digital slides, macro images and project files easily
- Multiple user levels for different access to information

For research and education uses only, not for use in diagnostic procedures

Digital Image Analysis

QuantCenter is a powerful, automatic image analysis platform designed for digital whole slide quantification process.

Designed to fit seamlessly in the conventional microscopic investigation process, QuantCenter includes algorithms from tissue classification to cell-based FISH analysis that can be freely combined. It offers computer-aided image analysis allowing accurate, high-quality analytical results to be generated quickly.

The QuantCenter framework allows the connection of a variety of image analysis applications to generate a unique image analysis scenario. By using this feature, as the first step tissue classification modules can be applied

Molecular pathology

FISHQuant

- A powerful cancer and cytogenetic application dedicated to quantify FISH (Fluorescence In Situ Hybridization) signals on tissue samples of solid tumor diseases like: breast and lung cancer, sarcomas, and lymphomas.
- This module is suitable for examination of hematological tumors, FISHQuant classifies the interphase and metaphase cells individually for a comprehensive evaluation.

CISHQuant

- Quantify CISH (Chromogenic In Situ Hybridization) stained samples. The algorithm can be calibrated to the stain protocol and quality by using an integrated color setting tool. This module is suitable for examining gene amplification, deletion and chromosome aberration.

CISH-RNAQuant

- Detects RNA virus in virus-infected cell nuclei (Epstein-Barr virus, HPV, HHV8).
- The application contains a color adjustment module which can be calibrated to the applied stain protocol and quality.

Histopathology

Tissue classification

HistoQuant

- A histological segmentation module which identifies tissue elements based on the color and intensity of the image pixels.
- This module could be run as a standalone application or could be combined with any of our IHC quantification modules for brightfield or fluorescence analysis.

PatternQuant

- A trainable pattern recognition module for tissue classification, tissue pre-segmentation and identification of different tissue structures.
- The machine-learning-based algorithm is able to classify different tissue types based on their texture pattern and color features.

For research and education uses only, not for use in diagnostic procedures

IHC quantification

NuclearQuant

- A cell nuclei detection module designed for cell nuclei detection and quantification of IHC stained samples. The algorithm can be calibrated to the stain quality (from multiple automated stainers or manual procedures) by using an integrated color setting tool.

MembraneQuant

- A membrane detection software application can be used for IHC stained histological sample quantification. The algorithm can be calibrated to the stain quality (from multiple automated stainers or manual procedures) by using an integrated color setting tool.

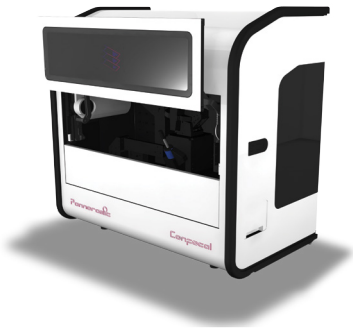
CellQuant

- A cell detection application which is optimal for several IHC quantification.
- The application is adequate for cell nuclei, cytoplasmatic and membrane marker quantification. The software reports results based on dedicated scores and positivity ranges of cell nuclei, cytoplasm or membrane signals.

DensitoQuant

- An easy to use, fast and accurate, stain-intensity-based IHC quantification tool.
- The application identifies the positive stain, based on an automatic color separation method through which individual positive pixels are counted and classified based on intensity and threshold ranges.

Whole-Slide Confocal Microscopy and 3D Histology



3DHISTECH Pannoramic MIDI Confocal

The Pannoramic Midi Confocal digital slide scanner offers whole tissue confocal scanning. Confocal technology prevents vital details from becoming lost against blurry backgrounds. The system scans your entire section at once – avoiding missing information and minimizing bleaching of light sensitive areas. Your slide can be accessed fast, anytime and anywhere!

This revolutionary system offers brightfield, confocal and widefield fluorescent imaging in a single instrument.

- Easy scanning for high productivity: automatic sample localization, automatic exposure, multi-slide mode
- Unique technologies for increased speed: darkfield and fluorescent preview – effectively skipping empty areas, a Lumencor LED light engine for excellent illumination, Scientific sCMOS camera – high sensitivity with low noise for short exposure times, fully automatic water immersion system for high NA objective
- Anti-bleaching solutions: structured illumination for collecting every usable light from the sample, high brightness confocal mode for weak signals, hardware light triggering to avoid unnecessary sample illumination, reducable light intensity for sensitive samples
- Advanced options: customizable area selection, adjustable scanning and image processing options

3DHistech 3DView

3DView offers 3-D reconstruction of the images giving an amazing insight view of the whole specimen. Up to 100 Z-stacks with customizable spacing between layers.

Microscope slides allow you to see one section of reality. Even with Z-stack or Extended focus, you are still constrained to that one section only. 3DHistech offers you a tool that can reconstruct the original tissue from its serial sections. Unlike MRI, the 3DView software lets you look into microscopic details while also showing you the tissue in its original form.

For research and education uses only, not for use in diagnostic procedures

Tissue Microarrayers



3DHitech TMA Grand Master

- High-capacity workflow with 72 blocks (60 donor and 12 recipient) at the same time
- High-speed microarray – maximum of twelve seconds per core
- Simultaneous loading, imaging, drilling and punching
- Select core diameters in 0.6, 1.0, 1.5, and 2.0 mm



3DHitech TMA Master II

- Upgraded hardware
- High TMA quality
- Five-block capacity
- Fully automated control
- Small footprint
- Select core diameters in 0.6, 1.0, 1.5, and 2.0 mm

For research and education uses only, not for use in diagnostic procedures

3DHistech TMA Control Software

An easy-to-use solution for TMA block design and creation.

- Project based workflow
- Recipient block layout designer
- Ability to import donor block ID and additional sample data from Excel file
- Barcode-based donor block identification
- Automated digital slide search from CaseCenter or local drive
- Automated digital slide overlay with TMA markers from viewer
- Ability to place tissue cores in a clean cuvette tube
- Customizable export tool: export TMA data with donor block images

3DHistech TMA Module

- For high-throughput tissue microarray analysis
- Project based: multi-user, multi-slide
- Flexible gallery
- Works with Excel™ database created by the TMA Master or the TMA Grand Master

For research and education uses only, not for use in diagnostic procedures

For research and education uses only, not for use in diagnostic procedures

Stand-Alone Consumables

everyday
solutions
for your
laboratory



Discover new solutions to your laboratory's peskiest problems

Hand Care Line

Comprehensive line of hand sanitizers, soaps, lotions, and glove liners to protect your laboratory staff while maintaining healthy, moisturized skin.

Prefilled Containers

Easily transfer patient tissue samples in containers of various sizes prefilled with your preferred fixatives.

Biopsy Bags

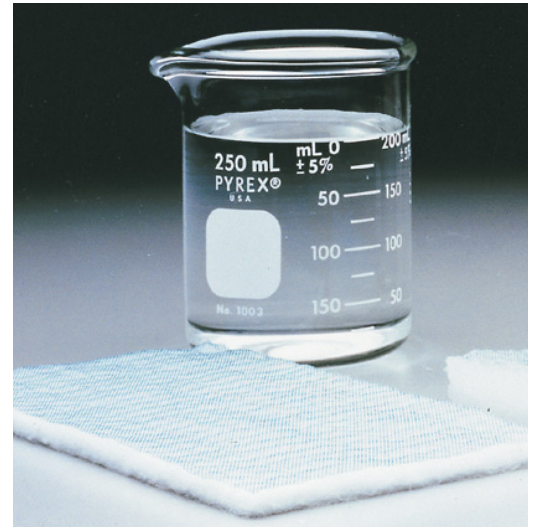
Mesh bags designed to protect fragile patient samples that allow for the exchange of fluid around the tissue.

Morgue and Autopsy

Epredia offers a full range of organized, stand-alone, and benchtop pathology workstations for the gross examination and sectioning of specimens.

Tissue Marking Dyes

Easily mark the margins of tissue for standard processing and cryotomy with Epredia tissue marking dyes.



Epredia Handcare

Epredia handcare products are designed specifically for healthcare and laboratory workers, as well as other professionals, to prevent skin irritation caused by frequent washing and gloving.

SoftCIDE Handwash

Specialized formulations replenish the natural oils of the skin. All soaps are pH balanced with the skin and contain mild ingredients.

- **SoftCIDE:** Extra-mild, fast-acting, antimicrobial soap, 1% PCMX. Effective against a broad spectrum of microorganisms, yeast, and fungi, SoftCIDE is a healthcare personnel handwash.
- **SoftCIDE-ES:** Cost-effective, antimicrobial soap, 0.3% PCMX. Effective against a broad spectrum of microorganisms, SoftCIDE-ES features a high sudsing power and a thick, rich texture.
- **SoftCIDE-NA:** Cost-effective, plain soap. Clear pink in color, SoftCIDE-NA washes away the most stubborn grease, oil, dirt, and harmful microorganisms.

SoftGUARD Hand Cream

SoftGUARD™ hand lotions are latex and CHG soap compatible. They are petroleum, mineral oil, and fragrance free, and are non-greasy and absorb immediately into the skin. SoftGUARD lotions are pH balanced with the skin and feature an extra-strength antimicrobial preservative system to prevent cross-contamination. The unique barrier feature helps prevent occlusion of the skin. For best results, apply after each handwashing, before gloving, and at the end of each day.

Foaming Handcare

- **AlcoSCRUB™ foam:** Antiseptic hand cleanser, 62% ethyl alcohol, 99.9% effective against a broad range of microorganisms. Foam is ideal for situations where soap and water are unavailable.
- **SoftCIDE-NA Foam:** Plain soap, Green Seal™ Certified, formulated with vitamin E and aloe vera. Designed for light to medium soil removal, SoftCIDE-NA foam also helps rinse away harmful bacteria.

AlcoSCRUB

An effective antiseptic hand cleanser to kill harmful bacteria.

- 99.9% effective against a broad spectrum of microorganisms
- Contains emollients to soften skin: Vitamin E and aloe
- No sticky residue and absorbs completely
- Mild on hands
- Fast-acting, antimicrobial strength (62% ethyl alcohol)
- No strong or lingering fragrance; no water or towel needed
- Meets CDC guidelines

UltraFIT Nylon Glove Liners

UltraFit™ nylon glove liners are for hands that are extra sensitive to latex, nitrile, and vinyl gloves. They feature a form-fitting design and seamless fingertips. They are great for keeping hands warm when working in frozen/refrigerated areas, and feature optimum dexterity and sense of touch.

- Non-linting and washable; designed for multiple uses
- Skin-tight fit and ultra-thin fabric
- Provide protection from irritation and help prevent occlusion of the skin



| Description |
|--|
| SoftCIDE Handwash |
| 4 oz (118 mL) bottle with flip-top cap |
| 16 oz (473 mL) bottle with pump-top |
| 32 oz (946 mL) bottle with pump-top |
| 128 oz/gallon (3.78 L) refill jug |
| SoftCIDE-ES Handwash |
| 32 oz (946 mL) bottle with pump-top |
| SoftCIDE-NA Handwash |
| 32 oz (946 mL) bottle with pump-top |
| SoftCIDE-NA Handwash GreenSeal™ Certified |
| 32 oz (946 mL) bottle with pump-top |
| SoftGUARD Hand Cream |
| 3 oz (89 mL) tube with flip-top cap |
| 8 oz (237 mL) tube with flip-top cap |
| 16 oz (473 mL) bottle with pump-top |
| AlcoSCRUB Foam Hand Cleanser |
| 1.7 oz (50 mL) foaming bottle with pump-top |
| 32 oz (946 mL) foaming bottle with pump-top |
| AlcoSCRUB Hand Cleanser |
| 4 oz (118 mL) bottle with flip-top cap |
| 16 oz (473 mL) bottle with pump-top |
| 32 oz (946 mL) bottle with pump-top |
| Handcare Accessories |
| Pump-top for 128 oz/gallon (3.78 L) refill jug |
| 16 oz (473 mL) and 32 oz (946 mL) wall bracket |
| 32 oz (946 mL) foaming wall bracket ONLY |

| Description |
|--|
| UltraFIT Glove Liners (Inspected for Medical Use) |
| Small, green cuff band, medical |
| Medium, orange cuff band, medical |
| Large, blue cuff band, medical |
| UltraFIT Glove Liners (Laboratory/Cleanroom Use) |
| Small, green cuff band |
| Medium, orange cuff band |
| Large, blue cuff band |
| Extra-large, red cuff band |



Specimen and Grossing Containers

Specimen and grossing containers provide convenient fixation of tissue specimens. Designed to be used at full strength and should not require any additives. Made of clear polystyrene or clear polypropylene. Allow for 15 to 20 times the volume of fixation fluid to volume of specimen. Packed in handipacks and/or trays.

| Description | Qty. | Order Number |
|--|------------|--------------|
| Richard-Allan Scientific Prefilled Containers | | |
| 10% NBF 20 mL jar | 192 / case | 59201 |
| 10% NBF 40 mL jar | 96 / case | 51401 |
| 10% NBF 40 mL jar | 168 / case | 59401 |
| 10% NBF 60 mL jar | 96 / case | 51601 |
| 10% NBF 60 mL jar | 126 / case | 59601 |
| 10% NBF 90 mL jar | 120 / case | 59901 |
| 10% NBF 120 mL jar | 90 / case | 591201 |
| 10% NBF 120 mL jar | 96 / case | 511201 |
| 10% Zinc Formalin 20 mL jar | 192 / case | 59201ZF |
| 10% Zinc Formalin 20 mL jar with prostate kit #59201 | 192 / case | 29012 |
| 10% Zinc Formalin 40 mL jar | 168 / case | 59401ZF |
| 10% Zinc Formalin 60 mL jar | 126 / case | 59601ZF |
| 10% Zinc Formalin 90 mL jar | 100 / case | 56901 |
| 10% Zinc Formalin 90 mL jar | 120 / case | 51901 |
| 10% Zinc Formalin 120 mL jar | 90 / case | 591201ZF |
| Richard-Allan Scientific Dry Containers | | |
| Dry container 20 mL | 284 / case | 59202 |
| Dry container 40 mL | 216 / case | 59402 |
| Dry container 60 mL | 150 / case | 59602 |
| Dry container 60 mL | 150 / case | 53602 |
| Dry container 90 mL | 125 / case | 59902 |
| Dry container 120 mL | 100 / case | 531202 |
| Dry container 120 mL | 100 / case | 591202 |

| Description | Qty. | Order Number |
|---|------------|--------------|
| Richard-Allan Scientific Signature Series Containers | | |
| 10% NBF 20 mL jar | 384 / case | 56201 |
| 10% NBF 40 mL jar | 216 / case | 56401 |
| 10% NBF 60 mL jar | 144 / case | 56601 |
| 10% NBF 60 mL jar | 150 / case | 53601 |
| 10% NBF 90 mL jar | 125 / case | 53901 |
| 10% NBF 120 mL jar | 75 / case | 561201 |
| 10% NBF 120 mL jar | 100 / case | 531201 |
| Shandon Containers | | |
| Formal-Fixx 20 mL jar | 180 / case | 9990910 |
| Formal-Fixx 60 mL jar | 125 / case | 9990914 |
| Formal-Fixx 90 mL jar | 125 / case | 9990916 |
| Formal-Fixx 120 mL jar | 125 / case | 9990918 |
| Cytospin Collection Fluid 120 mL jar | 125 / case | 9990323 |
| Glyo-Fixx™ 20 mL jar | 180 / case | 9990920 |
| Glyo-Fixx 60 mL jar | 125 / case | 9990924 |
| Glyo-Fixx 120 mL jar | 125 / case | 9990928 |
| Mucolexx 120 mL jar | 50 / case | 9990375 |

Biopsy Bags

Biopsy bags protect precious patient tissue samples by reducing the risk of small specimen loss. The biopsy bags allow for optimal exchange of fluid around the tissue.

Biopsy Bags - Blue

These biopsy bags are monofilament blue anti-static nylon that provide superior fluid dynamics and easy specimen identification due to the blue tint.

| Description | Qty. | Order Number |
|--------------------------|-------------|--------------|
| Biopsy bag, blue, small | 1000 / case | 6774010 |
| Biopsy bag, blue, medium | 1000 / case | 6774009 |
| Biopsy bag, blue, large | 500 / case | 6774011 |
| Biopsy bag, blue, small | 200 / case | 6774014 |
| Biopsy bag, blue, small | 500 / case | 6774015 |
| Biopsy bag, blue, medium | 200 / case | 6774012 |
| Biopsy bag, blue, medium | 500 / case | 6774013 |

Biopsy Bags - White

These biopsy bags feature an easy to pinch opening that allows for easy insertion of the specimen sample, yet keeps samples secure. Biopsy bags are conveniently packaged and are made from solvent-resistant nylon.

| Description | Qty. | Order Number |
|---------------------------|-------------|--------------|
| Biopsy bag, white, small | 1000 / case | 6774010W |
| Biopsy bag, white, small | 200 / case | 6774014W |
| Biopsy bag, white, medium | 1000 / case | 6774009W |
| Biopsy bag, white, medium | 200 / case | 6774012W |
| Biopsy bag, white, large | 500 / case | 6774011W |

Biopsy Bags - White

These biopsy bags are solvent resistant and allow for optimal exchange of fluid around tissue.

| Description | Qty. | Order Number |
|---------------------------|-------------|--------------|
| Biopsy bag, white, small | 1000 / case | 6774022 |
| Biopsy bag, white, medium | 1000 / case | 6774019 |
| Biopsy bag, white, large | 500 / case | 6774024 |

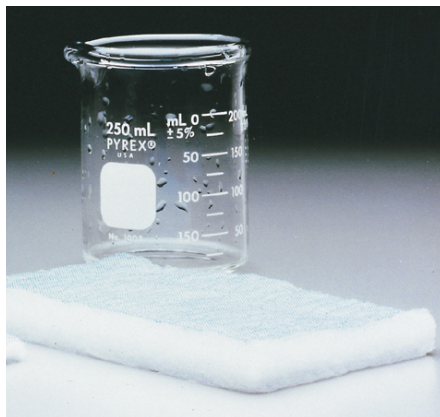
Biopsy Bags - White

These biopsy bags are polyester, acid resistant bags which can be used during decalcification.

| Description | Qty. | Order Number |
|---|------------|--------------|
| Biopsy bag, white, medium, acid resistant | 250 / case | 6774050 |
| Biopsy bag, white, small, acid resistant | 250 / case | 6774051 |
| Biopsy bag, white, large, acid resistant | 250 / case | 6774052 |



Morgue and Autopsy



Filters

| Description | Qty. | Order Number |
|---|-----------|--------------|
| Formalin neutral filter | ea. | 9990612 |
| Gemini AS/Excelsior AS Consul™ charcoal f/ XY filter | ea. | 9990610 |
| Grosslab™ Sr filter, full set - includes two potassium permanganate and two fine particle filters | ea. | 9990850 |
| Grosslab Jr filter, full set - includes two potassium permanganate and two fine particle filters | ea. | 1001618 |
| Hyperclean™ and Excelsior AS Consul charcoal filter | 6 / pk | 7411258 |
| Hyperclean 2 charcoal filter | ea. | 9990615 |
| Suresorb™ dissecting table pad, 22 x 20 in. | 50 / case | 9834 |

Saws

| Description | Qty. | Order Number |
|--|------|--------------|
| Stryker autopsy saw, 110-120 V | ea. | 8128 |
| Shandon autopsy saw, 110-120 V, 50/60 Hz, 1.5 Amp, not UL listed | ea. | 10000 |
| Shandon autopsy saw, 220-240 V, 50/60 Hz, 0.8 Amp, not UL listed | ea. | 10122 |
| Bone saw with set of coarse fine blades | ea. | 1001797 |
| Councilman chisel, 2 x 2.25 in., 7 in. long | ea. | 605 |
| Large section blade with Arbor | ea. | 10003 |
| Large section blade without Arbor | ea. | 1002100 |
| Autopsy saw round blade, 2.5 in. diameter, with Arbor | ea. | 10004 |

For Morgue and Autopsy Use Only

Forceps and Scissors



| Description | Qty. | Order Number |
|--|------|--------------|
| Cartilage forceps, straight, 5 in. | ea. | 163 |
| Cartilage forceps, fine point curved, 5 in. | ea. | 1631 |
| Microdissecting forceps, fine, 4.75 in. | ea. | 3120019 |
| Potts-Smith dressing thumb forceps, 7 in., premium | ea. | 1001592 |
| Tube occluding clamp hemostatic forceps, straight, smooth jaws | ea. | 3120012 |
| Dissecting Mayo scissors, straight, 6.75 in., premium | ea. | 78682 |
| Dissecting scissors, straight blunt sharp, 5.5 in. | ea. | 28252 |
| Iris scissors, straight, 4.5 in., premium | ea. | 731210 |



| Description | Qty. | Order Number |
|---|-----------|--------------|
| Compact design scale, complete kit, electric with A/C adapter and container | ea. | 20031 |
| Scale, electronic, no A/C adapter or container | ea. | B1000420 |
| Instrument complete case | ea. | 9996969 |
| Small dissecting board, cork, 12 x 16 x 0.75 in. | ea. | 36119 |
| Large dissecting board, cork, 16 x 23 x 0.75 in. | ea. | 361 |
| Autopsy headrest, rubber, black | ea. | 407 |
| Post mortem thread, 4 oz. x 300 yards (0.11 kg x 274 m) | ea. | 421 |
| Post mortem needle, double curved, 5 in. | 12 / pack | 4111T |
| Disposal, 1/2 HP, 120 V, 60 Hz, 1 Ph light commercial duty | ea. | B1001205 |
| Virchow skull breaker, 3.5 in. | ea. | 607 |

For Morgue and Autopsy Use Only

Tissue Marking Dyes

Richard-Allan Scientific Mark-It Tissue Marking Dyes

Richard-Allan Scientific™ Mark-It™ Tissue Marking Dyes are used for tissue margin identification.

- Permanent dyes that maintain their original brilliance during routine tissue processing cycles
- Can be used on fresh or formalin-fixed tissues

Uses include:

- Marking surgical margins
- Identifying serial segments of large tissues to ensure proper orientation and embedding
- Maintaining proper tissue orientation for Mohs surgery specimens
- Identification of multiple pieces of tissue processed in the same cassette



Shandon Tissue Marking Dyes

Shandon Tissue Marking Dyes permanently mark the margins of excised surgical specimens for exact orientation.

- Special binding pigment evenly coats the tissue without penetrating tissue surface
- Does not interfere with diagnostic interpretation because colors are not similar to standard histopathology dyes
- Quick-drying and easy-to-use decreases time factor in urgent frozen sectioning



Ordering Information:

Available individually or as a kit (includes one bottle each of black, blue, yellow, red and green; 50 applicator sticks; storage base).

Poly-L-Lysine Solution

- Poly-L-Lysine solution is packaged for easy dilution

| Description | Order Number |
|--|--------------|
| Richard-Allan Scientific Mark-It tissue marking dyes | 5000 |
| Shandon tissue marking dyes | 31201123 |



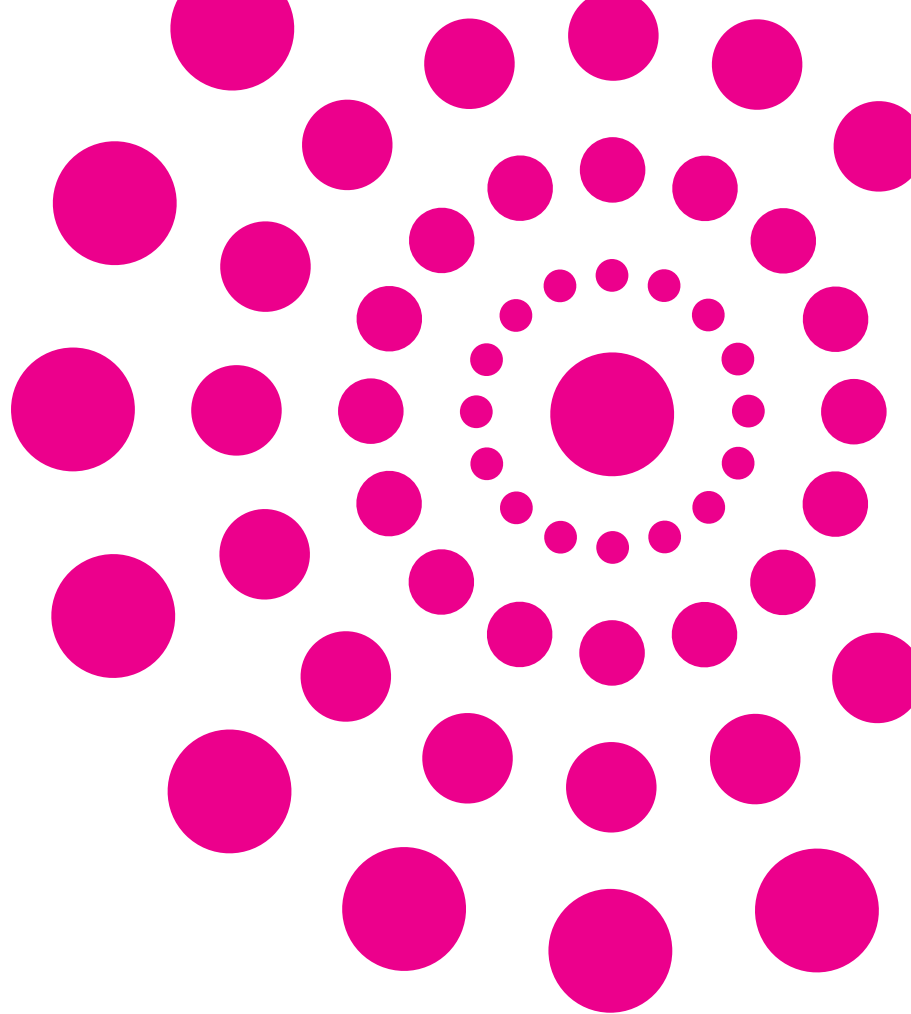
Epredia Trademarks

Angus-Ranieri
Arcos
Cell-Fixx
Chromaview
Clarifier
Clear-Rite 3
ClearVue
ColorFrost
ColorFrost Plus
ColorMark
Consul
Cryochrome
CryoMatrix
CryoStar
Cryotome
Cytoclip
Cytocool
Cytofunnel
CytoRich
CytoRich Red
Cytoseal
Cytoslides
Cytospin
Cyto-Stain
Edge-Rite
Excelsior
EZ Double Cytofunnel
EZ Megafunnel
EZ Single Cytofunnel
EZ-Mount
Fix-Rite
Flex
Formal-Fixx
Gemini
Gill
Glyo-Fixx
Grosslab
HistoGel
HistoScreen
HistoStar

Hyperclean
Ice-It
Immu-Mount
Kwik-Diff
Labwriter
Linistat
Mark-It
Microm
Mucolexx
Mx35 Premier
Neg-50
Nu-Clear
Para Trimmer
Parapel
Para-Release
Peel-A-Way
Pen-Fix
Polysine
PrintMate
Rapid-Chrome
Rapid-Fixx
Resolve
Revos
Richard-Allan Scientific
Seal-Rite
Secureline
Shandon
Signature Series
SlideMate
STS (Specimen Transport System)
Super Mega
Superfrost
Suresorb
TBD-1
TBD-2
Epredia
TissueLoc
Varistain
Zinc Formal-Fixx

Other Trademarks

Carbowax Union Carbide
DRS Sakura Finetek
Excel Microsoft Corp.
Leica Leica Technology
Octospot Bath Analytical In.
PARA/Gard..... Triangle Biomedical
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Sakura..... Sakura Finetek
Vytac Cartier Chemical Ltd.



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Find out more at [epredia.com](https://www.epredia.com)

