Thermo Scientific
Anatomical Pathology

Products and Services
2015 Catalog

- Histology
- Cytology
- Pathology Workstations
- Immunohistochemistry

Thermo
S C I E N T I F I C

Welcome to the Thermo Scientific Anatomical Pathology Products and Services Catalog

Dear Valued Customer,

We know what it takes to run today's lean environments, we are committed to developing innovative products that provide answers right when you need them. We recognise the importance of your job and support your efforts by providing quality instrumentation and consumables, expert service and knowledgeable application staff you can rely on.
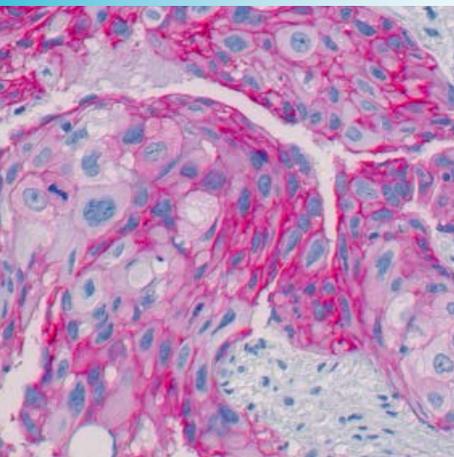
The Thermo Scientific™ brand includes a complete line of anatomical pathology equipment and consumables, from specimen collection and sectioning to advanced staining and coverslipping. With a keen awareness of what it takes to run today's lean laboratory environments, we are committed to developing innovative products that answer the laboratory's toughest challenges. This innovation also comes with a commitment to the highest product quality standards. We're here to help with solutions for a more efficient, safer and productive lab environment.

Providing the best product for your laboratory is just step one. Just as important is our commitment to providing expert service. We offer a wide-ranging direct sales, distributor and customer service network that works to maintain up time and provide solutions to meet your laboratory's unique needs. Wherever you are in the world, you have access to our Thermo Scientific brand. Globally, we service more than 100 countries with our subsidiaries and extensive distribution partner network.

With a comprehensive line of laboratory diagnostic products and solutions for histology and cytology for both clinical and research institutions, you can count on Thermo Fisher Scientific. We're here to help with solutions for a more efficient, safer and productive lab environment and to provide answers right when you need them.

Sincerely,

David Bespalko
President
Anatomical Pathology Division

Product Support / Instrument Service

In-house Technical Product Support

- Available by specific product group
  - ▶ Assures you receive the support you are looking for, for the instrument you have.
- Support by factory-trained engineers.
  - ▶ Call this group for assistance, questions, or troubleshooting regarding your instrument.

Field Service Engineers

- Factory-trained engineers sent to your facility as soon as possible.
  - ▶ National coverage through a network of Direct Field Service Engineers.
- Assured support when you need it the most within your facility.
  - ▶ Factory-trained engineers with deep understanding of our instrumentation dispatched to your location.
- Provide confidence that your instrument will perform to your satisfaction after a repair.
  - ▶ Ensures only genuine replacement parts are used to repair your instrument.

Our instruments come with a comprehensive parts and labour warranty (1 full year for a new instrument); the primary objective is to provide you with a quality instrument.

Our warranty is tied directly to assuring your new instrument is fully covered tend performs to your satisfaction.

In-House Repair Engineers

- Factory-trained engineers with deep understanding of our instrumentation are available as needed.
- Offering depot repair facilities for in-depth instrument repairs.
  - ▶ The goal is to assure your instrument is serviced completely when shipped to our Depot.

Contact Us!

Direct Technical Support

+44 (0) 800 169 6694

* We offer on-call support after hours for technical emergencies that involve tissue at risk

Customer Service

Order Placement and Product Enquiries

We know how busy you are, that your time is valuable, and that you want to do business with a partner you can rely on. When you call into our Customer Care Service Department, your call will be answered by a live person in seconds: worldclass response by highly trained Customer Care Service Representatives who care about your business!

Our team services the following Thermo Scientific Anatomical Pathology Products and Services:

- Richard-Allan Scientific
- Thermo Shandon Limited
- Microm International GMbH
- R.A. Lamb
- IHC LabVision

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 Service professional today!

E-mail and fax orders are entered into our ordering system on the same day. 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
- Special shipping and handling instructions
- Auto confirmation through email
- Payment terms of Net 30
- Vendor information:

  Thermo Shandon Limited

  Subsidiary of Thermo Fisher Scientific Inc.

  Tudor Road, Manor Park, Runcorn, Cheshire,

  WA7 1TA

Contact Us!

Call-in Orders & Order Status

+44 (0) 800 018 9396

Hours of Operation:	8am - 5pm (GMT) *Monday to Friday*
Fax your enquiries:	+44 (0)1928 534 049
E-mail your enquiries:	sales.ap.uk@thermofisher.com

"... highly trained Customer Care Service Representatives who care about YOUR business!"

Thermo Fisher Scientific Centre of Excellence for Anatomical Pathology

Centre of Excellence for Anatomical Pathology

- Located in Runcorn, in the North West of England, the new Thermo Fisher Scientific Centre of Excellence opened for business in 2009. Currently covering some 85,000 ft², this state of the art facility can be enlarged by a further 60,000 ft² to accommodate planned future growth.

- As well as providing enlarged facilities for: Research and Development, Instrument and Chemical Production, Customer Excellence, Engineering and Shipping the new site features a 3,400 ft² Customer Applications Laboratory and a 2,500 ft² Customer Training and Demonstration Suite.

- The availability of these latter two resources, combined with an enlarged in-house applications and training team, allows us to offer new levels of service and support to all users of Thermo Scientific Anatomical Pathology products.

Applications support

- Whether you need assistance with implementation, troubleshooting or any other issue related to obtaining the best performance from the Thermo Scientific Anatomical Pathology products you purchase from us, our Applications Teams are here to help.

- By using a single group email address: applications.ap.emap@thermofisher.com you can contact us for support on all areas related to our comprehensive range of products for Histology and Cytology, from specimen collection and grossing through to advanced staining, coverslipping and LIS connectivity.

- The availability of a new Applications Laboratory further expands the scope of the support we can offer. The ability, for example, to replicate, test and troubleshoot your procedures on-site, without the need for field visits, allows for faster outcomes and less disruption to your routine.

Applications Support Hotline
+44 (0) 800 018 9396

Promotion of Best Practice

- As a user of Thermo Scientific instrumentation for Anatomical Pathology you can register to be automatically alerted to new applications and protocols, best practices and relevant training events; Simply e-mail the applications team at: applications.ap.emap@thermofisher.com include "Best Practice Registration" in the subject line and provide brief details of instruments used, area of work (clinical, research, veterinary etc) and any special applications that you are involved in.

Training Support

- The dedicated Customer Training and Demonstration Suite, within the Thermo Fisher Scientific Centre of Excellence for Anatomical Pathology, contains a complete range of instrument types and associated consumables. Now customers can not only receive training on individual instruments, but also investigate and learn about the various options available (including LIS connectivity) to improve workflow and both patient and staff safety. Similarly for those considering the purchase of new instrumentation, viewing the products in our demonstration suite, rather than as stand-alone units, can help significantly when considering future product integrations and workflow planning.

- Customer training and demonstrations are also enhanced by the availability of the new Applications Laboratory. Now users and potential users can gain hands-on experience, using real reagents and tissues to practice the skills they have been taught, and directly evaluate new technologies they are looking to adopt.

- In support of specific product training, we also offer a program of Customer Days, which are held throughout the year. Each Customer Day focuses on a particular area of interest such as, labelling and verification, or Immunohistochemistry and includes an opportunity to meet the Thermo Fisher support teams and view our customer support areas. Attendance is free.

- To enquire about Customer Days, training opportunities, and product demonstrations at the Thermo Fisher Scientific Centre of Excellence for Anatomical Pathology please email: applications.ap.emap@thermofisher.com detailing your requirements and areas of interest.

Workflow Solutions

GROSSING

GrossLab Senior Pathology Workstation

High-quality pathology workstations

CRYOTOMY

CryoStar NX70 cryostat with Cold Disinfection

Fast, safe and complete protection for users throughout the day

TISSUE PROCESSING

Excelsior AS Tissue Processor

Unmatched user safety and ease of use for enhanced tissue quality

TISSUE EMBEDDING

HistoStar Embedding Centre

Ergonomic, high-capacity workstation with LED illumination

LABELLING & TRACKING

PrintMate On-Demand Cassette Printer

Meeting the needs of lean workflow and error reduction within your laboratory

HISTOLOGY CONSUMABLES

Thermo Scientific Histology Consumables

Full range of technically advanced Histology consumables

IMMUNOHISTOCHEMISTRY

Autostainer 360 and PT Module

Open and affordable IHC solution for high-quality IHC performance

MICROTOMY

LABELLING & TRACKING

STAINING

COVERSLIPPING

HM355S Microtome

Providing safety, comfort and precision cutting

SlideMate On-Demand Slide Printer

Enabling the direct printing of information to reduce errors while enhancing LEAN workflow
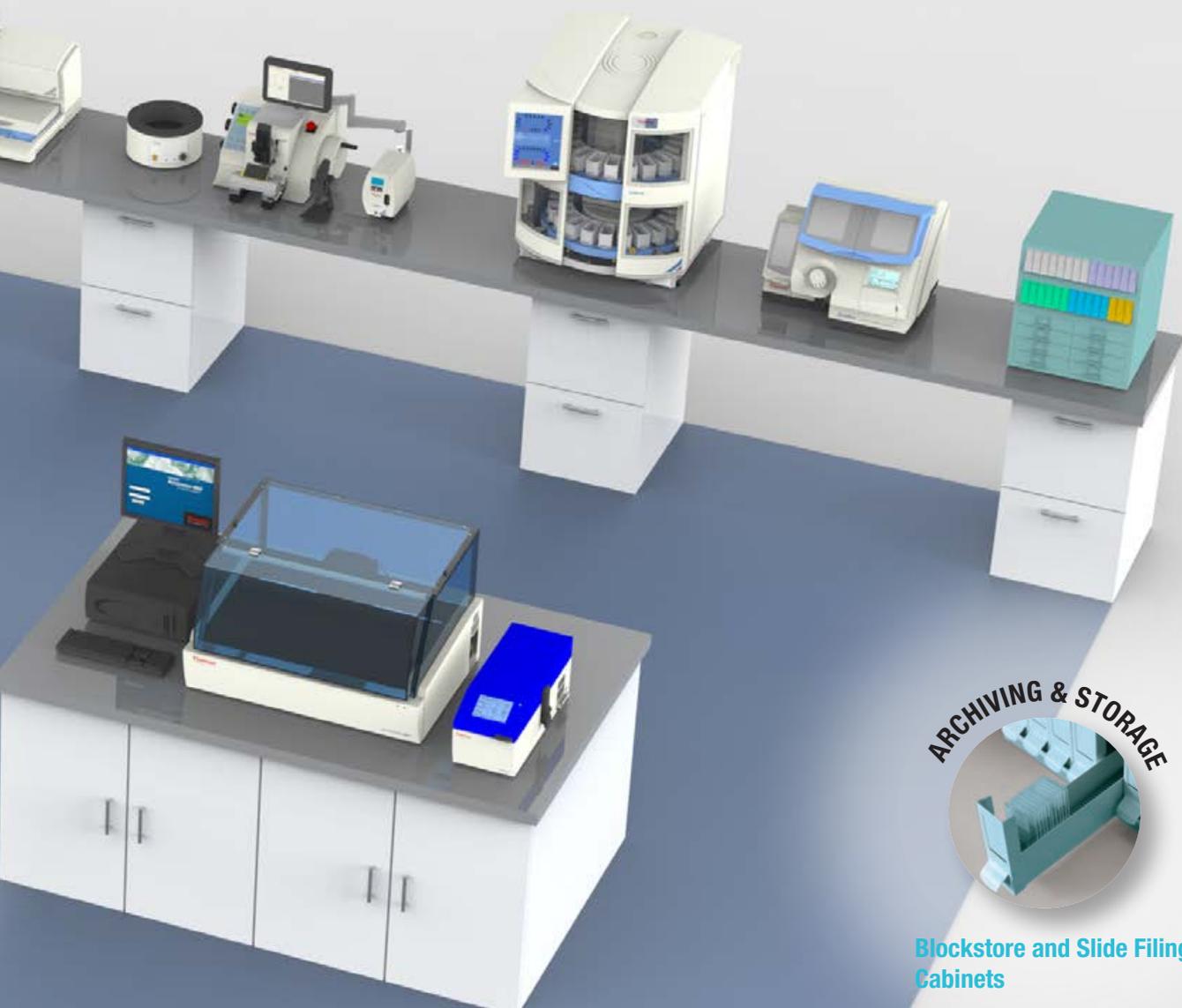
Gemini AS Slide Stainer

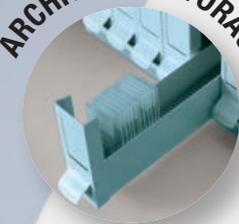High-throughput, multiple protocol flexibility and a footprint to fit the tightest of spaces

ClearVue Coverslipper

Intelligent, automated coverslipping for a perfectly lean workflow

ARCHIVING & STORAGE

Blockstore and Slide Filing Cabinets

High-quality steel cabinets for every conceivable requirement

Thermo Scientific PrintMate Cassette Printer

Flexible units that grow with your laboratory workload

The Thermo Scientific™ PrintMate™ cassette printer meets the needs of LEAN workflow and reduces transcription errors within your laboratory.

- High-quality print means that every cassette is clearly marked with easy-to-read, permanent black type - 300dpi print is perfect for printing 2-D barcodes.

- The small size of the PrintMate cassette printer means it will fit easily next to the grossing area giving fast print-on-demand capability, allowing you to determine the optimal workflow solution for your laboratory

- Optional dual track collection system collects up to 100 cassettes in organizer trays. The trays are easily stacked and simplify the process of matching cassettes to specimen containers at the grossing station

- Collection chute enables you to place one PrintMate cassette printer between two technicians - bi-directional chutes ensure the correct cassettes are delivered to the appropriate technician

- The dispense system is able to reliably dispense a wide range of standard cassettes. A wide variety of optimized Thermo Scientific cassettes are available.

Thermo Scientific™ LabWriter™ Software Offers Print-On-Demand Capabilities

- Prints large batches or single cassettes using standard or custom numbering configurations

- Software can 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

Connectivity - Uses All Current Interfaces

- Compatible with existing LIS interfaces to legacy Thermo Scientific printers

Physical Specifications

Dimensions for PrintMate 900 (D x W x H, without cassette tubes): 40 x 48 x 23cm

Dimensions for PrintMate 900 (D x W x H, with cassette tubes): 40 x 48 x 90cm

Max. Weight: 12kg

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

Includes

Each unit comes with USB cable; power cable; 2, 6 or 12 hoppers (depending on model); one roll of tape (installed); software CD; and operator guide. Complete cassette printing systems additionally include PC, monitor and digital imager.

Dispense system for reliable dispensing of cassettes

Description	Order number
PrintMate 150 Cassette Printer	A79500001
PrintMate 150 Cassette Printing System	A79500004
PrintMate 450 Cassette Printer	A79500002
PrintMate 450 Cassette Printing System	A79500005
PrintMate 900 Cassette Printer	A79500003
PrintMate 900 Cassette Printing System	A79500006

Accessories	Order Number
Collection trays (4/pk.)	A79510022
Cassette hopper	A79510024
Cassette guide chute with extension	A79510023
15" All-in-one PC package with desktop stand	B81300033
Digital imager (Linear/2D Barcode Reader)	B35310006
Hot foil tape (5/pk.)	A79510013
Collection system	A79510014

Thermo Scientific PrintMate with collection system

Range of Thermo Scientific optimized cassettes available in tubes

For cassettes in tubes see page 6

Thermo Scientific SlideMate Slide Labeller

Bringing on-demand slide printing to the microtome

The Thermo Scientific™ SlideMate™ slide labeller reduces transcription errors whilst enhancing LEAN workflow.

- Small footprint fits easily next to the microtome or Cytology slide processor
- On-demand slide printing reduces errors caused by manual data entry and improving productivity
- Prints directly onto the slide, eliminating the need for labels or hand writing
- High quality printing of text, numbers and barcodes (linear and 2D)
- Flexible data input methods allow easy integration into the laboratory workflow
- Chemical resistant media ensures print durability
- Slides are held inside the unit's side door to protect them from dust and the environment
- LIS Connectivity
- Innovative collection tray operates on a first-in first-out (FIFO) basis
- Scan barcoded cassettes to immediately print slides for a single case

Physical Specifications

Dimensions (D x W x H): 24 x 15 x 23cm

Weight: 4.3kg

Power Requiements: 110 - 240V, 50/60 Hz.

Printing Specifications

Input Slide Capacity: 150 slides (Internal dispense hopper)

Output Slide Capacity: 10 slides (FIFO collection tray)

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

Printing Media Capacity: 1 roll = 12,000 slides approx.

Printing Speed: 3 - 12 slides / min. (coverage dependant)

Slide Type: 25 x 75 x 1mm with Superfrost or

Colorfrost end (Max. allowable – 26 x 76 x 1mm)

Thermo Scientific range of compatible slides

Description	Order Number
SlideMate print on-demand system	B81300007
Includes SlideMate printer, scanner, keyboard interface and keyboard	
SlideMate with LabWriter software	B81300008
Includes SlideMate printer, LabWriter software and dongle	
SlideMate printer	B81300006
SlideMate with mini PC Premium package (clamp-style arm)	B81300022
Includes SlideMate printer, mini all-in-one PC with clamp-style arm, LabWriter software, cross-over cable, hand-held digital imager with stand, keyboard, mouse, USB hub and stylus	
SlideMate with mini PC Premium package (desktop stand)	B81300023
Includes SlideMate printer, mini all-in-one PC with desktop stand, LabWriter software, cross-over cable, hand-held digital imager with stand, keyboard, mouse, USB hub and stylus	

Accessories	Order Number
Digital Imager (Linear/2D Barcode Reader)	B35310050
LabWriter Software for SlideMate	B81310001
Network Cable	B35310012
Keyboard Interface	B81320043
Keyboard	B81310004
Mouse	B81310019
Thermal Transfer Ribbon (hot-foil-tape)	B81320041
Mini PC Package with clamp-style arm	B81300030
Mini PC Package with desktop stand	B81300031
Stylus; 3-pack	B81310054
15" All-in-one PC package with clamp style arm	B81300032
15" All-in-one PC package with desk top stand	B81300033

Approved Slides
Shandon Superfrost Slides
Shandon Superfrost Plus Slides
ColorMark Frost Slides
ColorMark Plus Slides
Thermo Scientific Polysine Slides
Thermo Scientific Double Frost Slides 45º
Thermo Scientific Cytoslides
Thermo Scientific Cytoslides, coated

Thermo Scientific Cassettes in Tubes

A wide range of high-quality cassettes for use with Thermo Scientific PrintMate and Thermo Scientific™ MicroWriter™ cassette printers

Embedding Cassettes

- Pore style - round holes
- Used for routine specimens
- Supplied with or without white lids (not fitted)

Colour	Order Number Cassettes only - 1500 (20 tubes x 75)	Order Number Cassettes & Lids - 3000 (40 tubes x 75)
	A84210010	A84210100
	A84210011	A84210101
	A84210012	A84210102
	A84210013	A84210103
	A84210014	A84210104
	A84210015	A84210105
	A84210016	A84210106
	A84210017	A84210107
	A84210018	A84210108
	A84210019	A84210109

Lid Type	Qty.	Order Number
Stainless Steel	25 pk.	1001003
White Plastic	1000 pk.	E10/LID

Biopsy Cassettes

- Pore style - small squares
- Used for biopsy specimens
- Supplied with or without white lids (not fitted)

Colour	Order Number Cassettes only - 1500 (20 tubes x 75)	Order Number Cassettes & Lids - 3000 (40 tubes x 75)
	A84210020	A84210110
	A84210021	A84210111
	A84210022	A84210112
	A84210023	A84210113
	A84210024	A84210114
	A84210025	A84210115
	A84210026	A84210116
	A84210027	A84210117
	A84210028	A84210118
	A84210029	A84210119

Lid Type	Qty.	Order Number
White Plastic - Biopsy	1000 pk.	E10/B/LID

Slotted Cassettes

- Pore style - small slots
- Used for routine specimens
- Supplied with or without white lids (not fitted)

Colour	Order Number Cassettes only - 1500 (20 tubes x 75)	Order Number Cassettes & Lids - 3000 (40 tubes x 75)
	A84210030	A84210120
	A84210031	A84210121
	A84210032	A84210122
	A84210033	A84210123
	A84210034	A84210124
	A84210035	A84210125
	A84210036	A84210126
	A84210037	A84210127
	A84210038	A84210128
	A84210039	A84210129

Lid Type	Qty.	Order Number
White Plastic - Slotted	1000 pk.	E10/S/LID

Thermo Scientific™ TissueLoc™ Biopsy Cassette (Cassette IV)

- Pore style - small squares
- Used for biopsy specimens
- Cassette supplied with separate same colour lid, with large tab for easy opening

Colour	Order Number (10 tubes x 75)
	41760-T
	41751-T
	41753-T
	41757-T
	41758-T
	41759-T
	41754-T
	41755-T
	41750-T
	41752-T

Thermo Scientific TissueLoc Tissue Cassette (Cassette IV)

- Pore style - small slots
- Used for routine specimens
- Cassette supplied with separate same colour lid, with large tab for easy opening

Colour	Order Number (10 tubes x 75)
	41730-T
	41721-T
	41723-T
	41727-T
	41728-T
	41729-T
	41724-T
	41725-T
	41720-T
	41722-T

Labelling & Tracking

Thermo Scientific™ HistoScreen™ Cassette

- Pore style - mesh
- Used for very small biopsy specimens
- Cassette supplied with separate same colour lid with large tab for easy opening

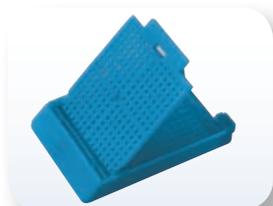| Colour	Order Number
	(10 tubes x 75)
	C-750-AQ
	C-750-BL
	C-750-GR
	C-750-GY
	C-750-LI
	C-750-OR
	C-750-PK
	C-750-TN
	C-750-WH
	C-750-YW

Thermo Scientific Slimsette Tissue Cassette

- Pore style - slots
- Used for biopsy specimens
- Cassette supplied with same colour lid (attached)

Colour	Order Number
	(10 tubes x 75)
	B1000736AQ
	B1000736BL
	B1000736GR
	B1000736GY
	B1000736LI
	B1000736OR
	B1000736PE
	B1000736PK
	B1000736TN
	B1000736WH
	B1000736YW

Thermo Scientific™ Slimsette™ Biopsy Cassette

- Pore style - small squares
- Used for biopsy specimens
- Cassette supplied with same colour lid (attached)

Colour	Order Number
	(10 tubes x 75)
	B1000737AQ
	B1000737BL
	B1000737GR
	B1000737GY
	B1000737LI
	B1000737OR
	B1000737PE
	B1000737PK
	B1000737TN
	B1000737WH
	B1000737YW

Thermo Scientific Slimsette "Micromesh" Cassette

- Pore style - small holes (0.36mm)
- Used for biopsy specimens
- Cassette supplied with same colour lid (attatched)

Colour	Order Number
	(10 tubes x 75)
	B1000734AQ
	B1000734BL
	B1000734GR
	B1000734GY
	B1000734LI
	B1000734OR
	B1000734PE
	B1000734PK
	B1000734TN
	B1000734WH
	B1000734YW

• Thermo Scientific Anatomical Pathology Products and Services •

Innovation in tissue processing

Enhanced tissue quality

Touchscreen user interface and enhanced software

Easy-fill wax chute

Disposable waste wax tray

Since its launch over 10 years ago, the name Excelsior has become a global name in tissue processing.

With its unique reagent management system, the Thermo Scientific™ Excelsior™ tissue processor provides the lowest cost of ownership while ensuring processing of the highest quality.

The Excelsior AS tissue processor not only surpasses its predecessors for quality and efficiency, but it also introduces a whole host of new features representing over a decade of continuous product development.

State of the art technology

to streamline your workflow

EXCELSIOR AS

Turn the page to find out more ...

Thermo Scientific Excelsior AS Tissue Processor

Walk-away tissue processing with enhanced tissue quality and lowest cost of ownership

The Thermo Scientific™ Excelsior™ AS tissue processor is the latest and most highly specified version of the popular Excelsior tissue processor. With its unique reagent management system, all new touch screen and wealth of safety features, the Excelsior AS remains the instrument of choice for laboratories throughout the world. Our users select this proven technology to meet their most challenging tissue processing applications time after time.

Features

- New high clarity touch screen display with intuitive software control
- Automatic in-process reagent rotation—no manual handling of reagents
- Automatic first alcohol quality monitoring
- New disposable wax tray system; makes wax replacement clean and simple
- Organised and random baskets capable of taking up to 300 cassettes
- Daily operations mode for rapid start of routine protocols
- Systematic logging and reporting of quality control data, event records, and program information
- Three distinct fill levels in chamber to shorten processing times
- Eight customised programs and eight flush options
- Six password-protected areas
- Web-based instrument monitoring system – Netmon II – for rapid remote diagnosis
- International icons to accommodate all users; multi-lingual
- USB connectivity

Performance

- Unique reagent monitoring and management system delivers significant reagent cost savings
- Reagent quality of first alcohol is measured using specific gravity; operator is alerted when replenishment of reagents is needed
- Reagent preheating option allows for more consistent and rapid processing
- Circular chamber design allows greater temperature uniformity
- Continuous agitation circulates reagents freely around specimens
- Organised basket takes 222 cassettes (optional basket takes 300 cassettes) and promotes maximum reagent infiltration
- Glass lid allows viewing during processing
- Baskets are microwavable and designed to be used in conjunction with microwave secondary-fixation (see page 18 for details about the Thermo Scientific TissueWave™ 2 Microwave Processor)

Safety

- Built-in downdraft ventilation minimises operator exposure to hazardous vapours
- Reagent storage cabinet is built to enhance safety standards and is vented through two additional filters for further fume control
- Reagent rotation minimises manual handling of reagents
- Specimen safety and protection is accomplished by battery back-up
- Two independent remote alarms alert user of any issues
- Automatic underfill recovery finishes processing in safest environment possible

Physical Specifications

Dimensions (D x W x H): 52 x 67 x 160cm

Weight: 112kg

Power Requirements: 950VA (maximum); 200VA (typical)

Disposable waste wax tray

Includes†

Organised basket (six supplied) to process 222 cassettes and random basket to process up to 300 cassettes‡, basket lid (organised and random), two formaldehyde (potassium permanganate) filters, charcoal vapour filter, water flush bottle and cap and two 5L storage bottles, five disposable waste wax trays, operator guide, service record book, quick reference cards, spatula and 19mm A/F spanner wrench.

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

‡ When using 5L reagent bottles.

Certifications and Compliance

Designed to meet IEC 61010, CSA, UL, and CE Mark (IVDD compliant)

Full-colour touchscreen user interface

Thermo Scientific Paraffin

Thermo Scientific offers a wide range of paraffin types to suit all histological applications. Rapid infiltration, extra-thin sections and hard/fibrous tissue applications are all accommodated. Many of our paraffin types are available in bag sizes to fit the new Excelsior AS wax tray system, making wax exchange even simpler than ever. Consult the Consumables section of this catalogue for information about our full range of paraffin products.

Description	Order Number
Excelsior AS	A82300001

Accessories	Order Number
Formaldehyde (potassium permanganate) filter; 6/pk.	B9990612CS
Charcoal filters; 6/pk.	7411258
Service manual	A82310101
High volume organised basket (50 cassette capacity per basket)	A82310038
Storage bottles; 5L; 6/pk.	A78410026
Downdraft extraction duct adapter kit	A78410023
Main air system duct adapter kit	A78410024

Wax Accessories	Order Number
Paraffin w/drawer kit, Histoplast PE	8330EK
Paraffin w/drawer kit, Histoplast IM	8331EK
Paraffin w/drawer kit, Histoplast LP	8332EK
Paraffin w/drawer kit, Type 1	8334K
Paraffin w/drawer kit, Type 3	8335K
Paraffin w/drawer kit, Type 6	8336K
Paraffin w/drawer kit, Type 9	8337K
Paraffin w/drawer kit, Precision Cut	B1002490K
Paraffin w/ drawer kit, Shandon Histoplast	6774006K
Waste wax drawer, Excelsior, 5/cs	8300

Thermo Scientific Netmon Service

Remote monitoring system for peace of mind - all of the time

Thermo Scientific™ Netmon™ Service

This service directly connects the tissue processor in a customer's laboratory to the Thermo Scientific Service Support Centre, providing high-value support services to the user in a real-time manner.

Netmon Service includes:

- Monthly preventive maintenance review
- Monthly monitoring report for inclusion in customer's Quality Management system; signature of the service support engineer is included with report
- Rapid online diagnosis and resolution of system problems
- Escalation to service call, if required, with dispatch of needed spare parts
- Online technical support to resolve operational issues

Customized Monthly Report provides information regarding four fundamental system tests listed below:

- Fluid transfer check
- Peak fluid temperatures
- Alcohol quality measurement
- Error checks

Ordering Information

Please contact your local Sales Representative for information about other Netmon capabilities and complete ordering information.

Netmon at Home

Provides a way of always staying connected to your tissue processor. Allows you to remotely access your tissue processor from the comfort of home. To check status or respond to any error messages, simply dial in and fix the problem without going to the lab. Available only to Netmon customers.

Provides access to the following information:

- Status
- Alcohol quality measurement
- Progress through a processing run
- Error checks

Ordering Information

Other features are available; consult your representative for details
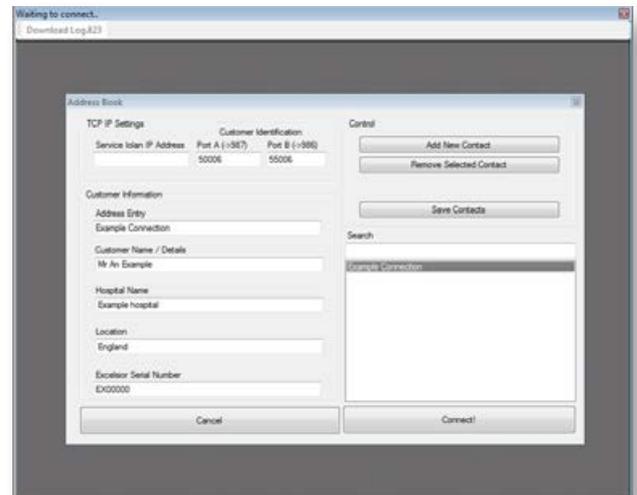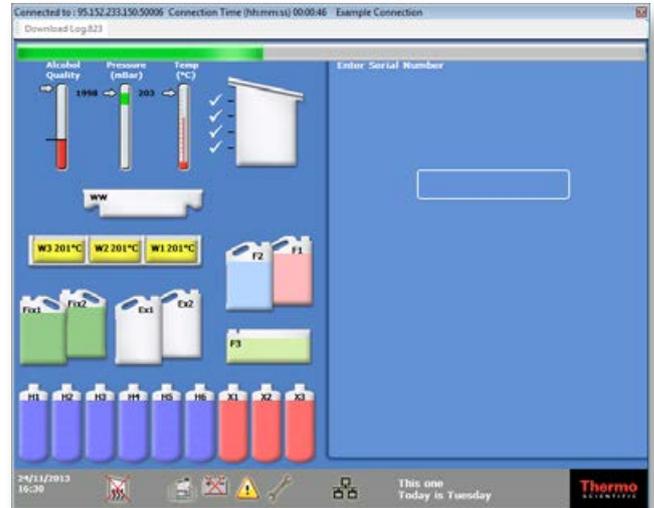
Thermo Scientific STP 120 Spin Tissue Processor

Compact, benchtop carousel tissue processor

The Thermo Scientific STP 120 spin tissue processor is designed to process biological specimens from chemical fixation to wax infiltration. Unique design uses programmable gentle centrifugal force to augment normal vertical agitation process associated with carousel processors.

Features

- Immediate and delayed-start processing modes
- Spin speed programmable from 0, 60 or 70rpm
- Programmable immersion time in each station (from 1 minute to 99 hours and 59 minutes)
- Basket capacity of 120 cassettes (optional double basket operation increases capacity to 240 cassettes)
- Battery back-up system in case of power failure

Performance

- Reagent vessel tops and charcoal-enhanced ventilation help control processing vapours
- Microprocessor unit can maintain up to 10 processing programs
- Cassette baskets spin counterclockwise and clockwise within reagent container to improve processing
- Reagent carryover is reduced through centrifugal spinning of basket above reagent vessel; 1.8L reagent volume for each vessel

Ordering Information

Choose from two instrument versions: one basket, two wax baths and a fume system, or two baskets, three wax baths and a fume system.

Physical Specifications

Diameter: 85cm

Height: 50cm opening to 70cm

Weight: 70kg

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

Includes

Basic instrument, instruction manual, and 10 reagent vessels and two wax baths for single basket operation (120-cassette capacity), or nine reagent vessels and three wax baths for double basket operation (240-cassette capacity)

Description	Order Number
With 2 wax baths and processing basket	813150
With 3 wax baths and 2 processing baskets	813160

Thermo Scientific Citadel 2000 Carousel Tissue Processor

Proven performance in tissue processing

The compact design of the Thermo Scientific™ Citadel™ 2000, carousel tissue processor, coupled with its proven processing quality, ease of operation and excellent chemical resistance explain why it has become the tried and trusted choice for thousands of laboratories worldwide.

Features

- Tissue specimens are automatically raised from their reagent containers every 10 minutes and then re-immersed in a powerful and effective agitation system

- Optional vacuum unit facilitates efficient and rapid wax infiltration of specimens.

- 10 reagent containers and 2 wax baths with programmable immersion times for optimal processing of a variety of tissue types.

- Intuitive touch key pad incorporates all the functions required to program and control your own specific processing cycle.

- Up to four complete schedules can be programmed, stored, recalled and monitored on the digital display at the touch of a button.

- Delayed start time is enabled by the hand-held controllers' real time clock display which allows programming of the processing start time with up to 9 days delay.

- Loading and unloading of specimens is made easy with the specially designed tissue basket hanger. It clips positively into the hood interior and can be removed just as simply.

- Handles on reagent containers at each station facilitate easy and safe reagent change.

- Users can choose to use either random baskets holding up to 70 cassettes or the special organiser baskets which hold up to 110 cassettes.

- Smooth surfaces and contoured design facilitate easy cleaning.

- Integral fume hood greatly reduces release of vapors creating a safer, more pleasant laboratory environment.

- Easy change of reagent containers when replenishing reagents reduces the risk of spillages and operator exposure to harmful reagents.

- When raised above a reagent container specimens remain in a high vapour content environment, reducing the risk of drying out even in the event of a power failure.

- Excellent Chemical Resistance

Physical Specifications

Dimensions (H x Ø): 62.5cm x 68cm

Weight: 48kg

Reagent container capacity: 2L

Wax bath capacity: 1.7L

Basket capacity: 110 (Organised); 70 (Random)

Power Requirements: 500 VA

Description	Order Number
Citadel 2000; 220 - 240V, 50/60Hz	**69800004**

Accessories	Order Number
Vacuum Unit; 220 - 240V	**69810024**
Random Basket	**69810035**
Organiser Basket (inc. 4 x 25 cassette baskets and 1 x 10 cassette basket)	**69810030**
Basket Lid	**69810031**
Wax Bath; 220 - 240V	**69810051**
Reagent Container; Plastic	**69810018**
Reagent Container; Stainless Steel	**69810131**

For paraffins see page 79

For processing reagents see page 78

Thermo Scientific™ TissueWave™ 2 Microwave Processor

Efficiency, versatility and precision with minimal instrumentation

Used for tissue fixation and processing, decalcification of hard material, routine special stains where heat would accelerate the staining process and for epitope enhancement during immuno-histochemical staining.

Performance

- Designed for greater flexibility to meet growing workload demands
- User-friendly instrument will free up technician time for more complex procedures and will consistently deliver uniformly excellent results in a fraction of the time
- Offers load-on-demand capabilities; it is ready when the specimen is ready
- Assists with secondary fixation before routine processing of fatty tissues
- Uses Thermo Scientific™ PolarHeat™ technology to accelerate paraffin heating
- Offers flexibility for speciality labs

Safety

- Ventilation system interlock
- Two-door interlocks to prevent microwave leakage
- Two temperature interlocks to prevent overheating

Features

- Programmable protocols and memory recall
- Vacuum chamber for rapid fixation and paraffin infiltration
- Temperature and power controls. Ability to convert wattage protocols
- Easy-to-use display screen and tri-coloured control panel for easy programming
- Flexible temperature probe that guarantees accurate temperature control to ±1°C

Physical Specifications

Overall Dimensions (D x W x H): 62 x 54 x 48cm

Chamber dimensions: 24 x 34 x 39cm

Weight: 35kg

Power Requirements: 120V system, 15 amp service minimum

(20 amp recommended); 230V system, 10 amp service minimum (15 amp recommended)

Includes†

Glass air agitator tubing (pk. of 3), Thermo Scientific™ Excelsior™ organiser baskets (2 ea.), interior lamp, microwavable specimen container, 2.5L, operator guide, temperature probe, glass vacuum chamber.

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

Certifications

Designed to meet IEC 61010, CSA, UL and CE Mark

Description	Order Number
110 - 120V, 60Hz	B35600002
220 - 240V, 50/60Hz	B35600001

Accessories	Order Number
Excelsior ES organised baskets (2/pk.)	A78410025
Microwave detector, handheld model	B35240070

Thermo Scientific™ PolarHeat™ Sheets

This breakthrough product heats paraffin in the microwave, eliminates pre-heating and disseminates microwaves evenly throughout the paraffin

Qty.	Order Number
50/pk.	B35610001
100/pk.	B35610002
200/pk.	B35610003

Thermo Scientific HistoStar Embedding Center

The shining new light in embedding

With it's cool, contoured surfaces and innovative features, the Thermo Scientific™ HistoStar™ embedding center delivers real improvements in user comfort and productivity.

Features

- Cool and contoured - All user contact points are smooth and insulated providing a cool and comfortable workspace. Pressure points and uncomfortable heated areas are eliminated.

- Well lit and clutter free - Cool LED lighting (Pat. Pending) provides specimen illumination, at 5 user selectable intensities, without the clutter of awkward remote lighting. A low profile dispense head further enhances specimen visibility.

- High capacity - With its large capacity tissue storage tank the HistoStar is capable of accepting baskets from any tissue processor. The 5 liter paraffin reservoir and large area cold plate have been designed for maximum productivity in the busiest of laboratories.

- Any sample size handled with ease - HistoStar is the first embedding center to incorporate an adjustable paraffin dispenser paddle. A simple adjustment moves the paddle to accommodate the samples you are working with. Even Super Mega Cassettes can be embedded with ease.

- Intuitive Interface - 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.

- Full accessory range - Optimise your HistoStar embedding system with a wide range of tools and accessories; including: tamping tools, heated forceps, magnifier and foot pedal.

- Integrated Thermo Scientific™ Paratrimmer™ - The only embedding center with a heated wax trimmer built directly into the work space. Now excess paraffin can be removed during the embedding process without the need for additional equipment.

- Dependable Performance - The robust design of the HistoStar minimises moving parts, reducing wear and service requirements and thus ensuring dependable performance for years to come.

High capacity tissue storage tank and mould storage

Physical Specifications

Dimensions:

Embedding module (W x D x H): 650 x 600 x 410 mm

Cold module (W x D x H): 430 x 600 x 410 mm

Weight:

Embedding module: 25 kg

Cold module: 20 kg

Wax Reservoir Capacity: 5 litres

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: -12°C

LED lighting

Description	Order Number
HistoStar Instrument (Complete)	
220 - 240V; 50/60Hz	A81000001
100 - 120V;50/60Hz	A81000002
220 - 240V; 50/60Hz	A81000003*
Embedding Module	
100 - 240V; 50/60Hz	A81000007
100 - 240V; 50/60Hz	A81000008*
HistoStar Cold Module	
220 - 240V; 50/60Hz	A81000004
100 - 120V;50/60Hz	A81000005
220 - 240V; 50/60Hz	A81000006*

* China variant - not available in ROW

Accessories	Order Number
Tamping tools kit; 2/pk. *(1 x 20mm; 1 x 12mm)*	A81010030
Spatula kit; 2/pk.	A81010031
Cassette lid storage cover	A81010026
Magnifier assembly	A81010032
Footswitch	AP16629
Heated forceps; Red – 1mm tip	A81010033
Heated forceps; Yellow – 2mm tip	A81010034
Heated forceps; Blue – 4mm tip	A81010035
Document holder kit	A81010036

Thermo Scientific Lab Support Products

Products to make any lab complete

Slimline Wax Dispenser

Features

Designed to take up the minimum amount of bench space whilst having a capacity of approximately 5L

Electronic temperature control and easy-to-read digital display

Physical Specifications

Dimensions (D x W x H): 42.5 x 17 x 40.5cm

Weight: 6.5kg

Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Temperature Range: 40 to 70°C, ±2°C at 20°C ambient

Description	Order Number
220 - 240V; 50/60Hz	**E66SLD/230**
110 - 120V; 50/60Hz	**E66SLD/120**

High Capacity Wax Dispenser

Features

Ideal for laboratories where a higher volume of molten wax is required - capacity of 10L

Electronic temperature control and easy-to-read digital display

Inner reservoir is made from aluminium for good thermal conductivity

Reservoir filter screen prevents coarse particles from blocking the delivery tap

Physical Specifications

Dimensions (D x W x H): 38.5 x 27.5 x 52.5cm

Weight: 8.5kg

Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Temperature Range: 40 to 70°C, ±2°C at 20°C ambient

Description	Order Number
220 - 240V; 50/60Hz	**E66HC/230**
110 - 120V; 50/60Hz	**E66HC/120**

High Capacity Section Dryer

- Designed to give maximum drying area while taking up a minimum of bench space
- Air at digitally controlled temperature is blown up through base and back of instrument to effect rapid drying without overheating
- Digital controller facilitates accurate, constant temperature control from 40° to 90°C
- Drying chamber is polished stainless steel with an autoclavable drip tray
- Air intake has removable filters and external finish is an easy-to-clean epoxy coating
- An optional shelf kit is available to increase capacity further

Physical Specifications

Dimensions (D x W x H): External - 31 x 47 x 37cm; Internal - 24.5 to 20 x 44 x 19.5cm

Weight: 14kg

Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Description	Order Number
Section dryer, 220 - 240V; 50/60Hz	**B3120203**
Section dryer, 110 - 120V; 50/60Hz	**B3120202**
Accessory shelf	**B3120202SH**

Thermo Scientific Paratrimmer

The Thermo Scientific™ Paratrimmer™ is designed to remove excess wax from the outside of a tissue cassette after embedding by sliding the outside of the block across the heated surface

Paraffin should be removed to properly seat the block in the quick-release clamp or vice to achieve the best section quality from your microtome

Features heated surface with ridges

Multiple blocks may be passed across the surface at one time

Physical Specifications

Dimensions (D x W x H): 13 x 18.5 x 17cm

Weight: 0.9kg

Certifications and Compliance

Designed to meet IEC 61010, CSA, UL and CE Mark

Description	Order Number
220 - 240V; 50/60Hz	B3120206
110 - 120V; 50/60Hz	B3120205

Digital Paraffin Section Flotation Bath

- Digital temperature controller with a bright, easy-to-read display
- Holds water at a constant temperature to flatten wax or resin sections prior to lifting them onto a microscope slide
- Also used for hot staining except with corrosive substances. Top rim of the unit has generous space for drying slides
- Drop-on stainless steel lid covers bowl when not in use
- Deep, tapered, stainless steel bowl offers maximum resistance against corrosion
- Matt black PTFE bowl and upper casing provide visual contrast against wax sections
- Lower steel casing has a resistant epoxy coating

Physical Specifications

External Dimensions (D x W xH): 43.5 x 27.5 x 17cm

Bowl Dimensions (I.D. x D): 22 x 8.5cm

Weight: 4.6kg

Temperature Range: 30 to 65°C (±1°) at 20°C ambient

Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Description	Order Number
220 - 240V; 50/60Hz	E65D/230
110 - 120V; 50/60Hz	E65D/120

Mini Hot Plate

Used in histology for removing stubborn wrinkles from sections and for re-orientating embedded tissue. Can be used to heat fix bacterial smears while avoiding cell damage through overheating in microbiology applications.

- Manufactured to operate over a fixed temperature range of 70 to 80°C
- Lower casing is made from stainless steel; top is matt black, epoxy-coated aluminium

Physical Specifications

Dimensions (D x W x H):

External - 15 x 15 x 6cm

Heated area - 14 x 14cm

Weight: 0.55kg

Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Description	Order Number
220 - 240V; 50/60Hz	3120063
110 - 120V; 50/60Hz	3120074

Slimline Digital Hotplate

Designed to evaporate water and solvents from slides and mounting media quickly. Also used for warming wax-embedded specimens and for hot staining procedures.

- Slides rest above surface of hot plate to accelerate drying
- Top has matt black epoxy coating, providing visual contrast against the wax sections; lower casing is finished in an epoxy coating
- Controls are at the front of the hot plate and the digital thermostat allows selection of operating temperatures in 40 to 95°C range

Physical Specifications

Dimensions (D x W x H): 51.5 x 17.6 x 8.5cm

Weight: 2.9kg

Power Requirements: 110- 120V or 220 - 240V; 50/60Hz

Description	Order Number
220 - 240V; 50/60Hz	E18/1SL
110 - 120V; 50/60Hz	E18/1SL/120

Designed for your comfort

Engineered for premium quality sections

Thermo Scientific™ HM525 NX

Thermo Scientific™ CryoStar™ NX50

Exceptional sectioning quality

Ergonomic and simple to operate

Built-in user safety features

Thermo Scientific Cryostat Range and Selection Guide

Cryostat features	CryoStar NX70	CryoStar NX50
Page no:	24	26
Sanosil® Cold D disinfection	Optional	Optional
UV disinfection		
Formalin disinfection		
Microtome outside chamber	✓	✓
Chamber temp ≤ -25°C	✓	✓
Fast freeze temperature	-57°C ±3°C	-57°C ±3°C
Automatic defrost	✓	✓
Blade cooling	✓	✓
Blade temperature control	✓	Fixed
Specimen head temperature control	✓	✓
Equipped with vacutome	Optional	Optional
Fast freeze cooling mechanism	Peltier	Peltier
Motorised coarse advance	✓	✓
Specimen trimming	✓	✓
Specimen retraction	20µm	20µm
Section thickness range	0.5 - 500µm	0.5 - 500µm
Motorised coarse feed	✓	✓
Motorised handwheel	✓	
Cryobar cooling / freezing stations	18 (1)	18 (1)
Touchscreen operation	✓	✓
Height adjustable chamber	✓	Optional

Cryotome FSE	HM525 NX
30	28
	Optional
✓	
✓	
✓	✓
-55°C	-60°C
✓	✓
✓	
Refrigerant	Peltier
✓	✓
✓	✓
40µm	40µm
1 - 60µm	1 - 500µm
✓	✓
6	27 (4)
✓	✓

Thermo Scientific™ CryoStar™ NX70 Cryostat

Pioneering design for unparalleled frozen sectioning performance

An ergonomic multi-option motorized cryostat, with a unique rapid response temperature control system.

Cryochamber Features

Spacious stainless steel chamber for workflow organisation

Independent cooling of blade holder to -35°C

Separate specimen head cooling to -50°C ±3°C

18 cryobar storage positions including 1 quick freeze location

Integrated peltier fast freezing device rapidly cools to -60°C

Programmable and immediate defrost options

Optional vacutome for stretching of cryosections and disposal of trimming and sectioning waste

Microtome Features

Choice of manual or motorised sectioning

4 motorised cutting modes including single, interval, multiple and continuous

Adjustable cutting speed from 0-256mm/s

Section thickness from 0.5µm to 500µm

Precise stepping motor blade advance for minimal vibration when sectioning

Vertical stroke length of 64mm

48mm horizontal feed range

20µm specimen retraction on return stroke, with optical indication

XY specimen orientation with 360° z axis rotation

Ergonomic / Safety Features

Height adjustment from 82-112cm to allow for standing or seated operation

Body contoured band and integrated arm rest controls

Motorised coarse advance to max 3mm/s

Multi-function joystick control

Emergency stop, handwheel and electronic brake

Double tap start function to ensure intentional operation

3 programme memory for storage of regular sectioning parameters

Rapid 50 minute Cold D disinfection

Physical Specifications

Dimensions (D x W x H): 100 x 75.5 x 82 - 112cm (adjustable)

Weight: 200kg

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

Includes

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

Description	Order Number
Standard version	
220-240V; 50-60Hz	**957040**
100V; 50Hz	**956960**
115-120V; 50Hz	**957000**
With Cold D	
220-240V; 50-60Hz	**957050**
100V; 50Hz	**956970**
115-120V; 50Hz	**957010**
With vacutome	
220-240V; 50-60Hz	**957060**
100V; 50Hz	**956980**
115-120V; 50Hz	**957020**
With Cold D and vacutome	
220-240V; 50-60Hz	**957070**
100V; 50Hz	**956990**
115-120V; 50Hz	**957030**

Accessories	Order Number
Low profile blade holder	**705840**
High profile blade holder	**705940**
16cm C knife (solid steel)	**152020**
Steel knife carrier	**705950**
Anti roll plate	**449980**
Foot pedal	**640380**
Sanosil; 1L bottle	**350150**
Measuring Cup	**334220**
Coarse filter f/use with vacutome (pk. of 25)	**281000**
Plastic funnel	**334240**
Specimen Chuck, 20 mm	**715530**
Specimen Chuck, 40 mm	**715610**
Specimen Chuck, 60 mm	**715620**
Cryo-Mold, 10 mm	**570400**
Cryo-Mold, 15 mm	**570380**
Cryo-Mold, 22 mm	**570390**

Thermo Scientific™ CryoStar™ NX50 Cryostat

Designed for performance, created for comfort

A multi-option manual cryostat with intuitive software for ease of use. Ergonomic design ensures operator comfort, especially during prolonged periods of use.

Cryochamber features

- Spacious stainless steel chamber for workflow organisation
- Chamber cooling to -25°C ±2°C (at 20°C ambient)
- Separate specimen head cooling to -43°C ± 2°C (at 20°C ambient)
- Continuously cooled knife holder to -27°C ± 2°C (at 20°C ambient)
- 18 cryobar storage positions including 1 quick freeze location
- Integrated peltier fast freezing device rapidly cools to -57°C ±3°C
- Programmable and immediate defrost options
- Optional vacutome for stretching of cryosections and disposal of trimming and sectioning waste

Microtome features

- Manual light touch rotary flywheel
- Section thickness from 0.5µm to 500µm
- Precise stepping motor blade advance for minimal vibration when sectioning
- Vertical stroke length of 64mm
- 48mm horizontal feed range
- 20µm specimen retraction on return stroke, with optical indication
- XY specimen orientation with 360° z axis rotation

Ergonomic/Safety features

- Optional height adjustment from 82-112cm to allow for standing or seated operation
- Body contoured band and integrated arm rest controls
- Motorised coarse advance to max 3mm/s
- Optional rapid 50 minute Cold D disinfection
- Handwheel lock, blade guard and magnetic blade removal tool
- Touch screen operation with intuitive software to accommodate multiple users

Physical Specifications

Dimensions (DxWxH) 100cm x 75.5cm x 82-112cm (adjustable)

Weight: 200Kg

Includes

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

Description	Configuration	Order Number
20-240V, 50/60Hz	OP	**957220**
220-240V, 50/60Hz	OPH	**957210**
220-240V, 50/60Hz	OPV	**957200**
220-240V, 50/60Hz	OPD	**957140**
220-240V, 50/60Hz	OPDV	**957160**
220-240V, 50/60Hz	OPHV	**957170**
220-240V, 50/60Hz	OPHD	**957150**
220-240V, 50/60Hz	OPHVD	**957240**
100-120V, 50/60Hz	OP	**957250**
100-120V, 50/60Hz	OPV	**957270**
100-120V, 50/60Hz	OPD	**957100**
100-120V, 50/60Hz	OPDV	**957120**
110-120V, 60Hz	OPH	**957260**
110-120V, 60Hz	OPHV	**957230**
110-120V, 60Hz	OPHD	**957110**
110-120V, 60Hz	OPHVD	**957130**
100V, 50/60Hz	OPH	**957180**
100V, 50/60Hz	OPHV	**957190**
100V, 50/60Hz	OPHD	**957080**
100V, 50/60Hz	OPHVD	**957090**

Accessories	Order Number
Low profile blade holder	**705840**
High profile blade holder	**705940**
16cm C knife (solid steel)	**152020**
Steel knife carrier	**705950**
Anti roll plate	**449980**
Sanosil; 1L bottle	**350150**
Measuring Cup	**334220**
Coarse filter f/use with vacutome (pk. of 25)	**281000**
Plastic funnel	**334240**
Specimen Chuck, 20 mm	**715530**
Specimen Chuck, 40 mm	**715610**
Specimen Chuck, 60 mm	**715620**
Cryo-Mold, 10 mm	**570400**
Cryo-Mold, 15 mm	**570380**
Cryo-Mold, 22 mm	**570390**

For blade holders see page 31

For disposable blades see page 84

O - Object Cooling

P - Peltier

H - Height Adjustment

V - Vacutome

D - Cold D

Thermo Scientific HM525 NX Cryostat

A high performance routine cryostat with intuitive software and touchscreen for simple, efficient operation.

Cryochamber features

- Chamber cooling to -35°C
- 27 cryobar storage positions including 4 quick freeze locations
- Integrated peltier fast freezing device rapidly cools to -55°C ±2°C
- Programmable and immediate defrost options

Microtome features

- Manual light touch rotary flywheel
- Section thickness from 1µm to 500µm
- Memory function for rapid advance and specimen positioning
- Vertical stroke length of 64mm
- Automatic specimen retraction on return stroke
- 28mm horizontal feed range
- XY specimen orientation with 360° z axis rotation

Ergonomic/Safety features

- Mechanical handwheel lock
- Optional UV disinfection
- Touch screen operation with intuitive software to accommodate multiple users
- Increased leg room for comfortable sectioning while sitting or standing

Physical Specifications

Dimensions (DxWxH) 76cm x 64 x 115cm (excludes handwheel)

Weight: 143Kg

Power requirements: 220-240V, 50/60Hz

Includes

Six specimen chucks,(30mm),freezing medium,(118ml), cryostat oil (118ml), section waste tray, debris brush, sectioning brush, tools and operator guide.

Description	Order Number
HM525 NX basic instrument	
115V; 60Hz	**956640**
230V; 50Hz	**956650**
HM525 NX with UV disinfection	
115V; 60Hz	**956641**
230V; 50Hz	**956651**

Accessories	Order Number
Magnetic cleaner	**160030**
Heat extractor	**524490**
Solid blade holder	**705460**
Disposable blade holder EC	**705470**
Disposable blade holder EC-70	**705630**
Anti-roll plate for use with EC-70	**449980**
Specimen chuck 20mm (colour coded)	**715700**
Specimen chuck 30mm (colour coded)	**715220**
Specimen chuck 40mm (colour coded)	**715230**
Freezing disc 40mm	**715690**
Protect ll cryostat disinfectant	**350270**
Flat cryostat brush	**334160**
Goat hair brush	**334170**
Brush, bevelled	**334180**
Cryo-Mold, 10mm	**570400**
Cryo-Mold, 15mm	**570380**
Cryo-Mold, 22mm	**570390**
Rust preventing oil, 100ml	**350070**
Lubricating oil, 100ml	**350110**
Cryostat oil, 100ml	**350040**

Thermo Scientific Cryotome FSE Cryostat

Designed to meet the needs of clinical settings

Features spacious chamber, coloured cryocassettes and a superior bladeholder design for easily obtaining high-quality frozen sections.

Cryochamber Features

- Spacious chamber with temperature controls from 0°C to -35°C
- Cryobar with adjustable temperature controls and dedicated cryobar refrigeration system rapidly cools specimen to prevent freezing artifact formation
- Rapid temperature response reduces turnaround time; The Thermo Scientific™ Cryotome™ FSE cools rapidly from ambient to set temperature in as little as two hours
- Dual compressor system ensures specimen integrity by keeping specimen frozen if cryobar fails
- Specimen holder temperature control allows enhanced sectioning of a variety of tissue types; 0°C to -40°C, within ±10°C of chamber temperature

Microtome Features

- Microtome outside of the cryochamber makes it easier and quicker to clean
- Colour-coding identifies lever functions
- Angle of clamp plate enables easy specimen pick-up; "quickheated" specimen release allows easy removal of specimen from cryocassette
- Section thickness adjustment: 1 to 20µm in 1µm increments, 20 to 60µm in 5µm increments
- Total specimen advance of 25mm

Ergonomic / Safety Features

- Cryostat features formaldehyde fumigation for the disinfection of the cryochamber
- Multi-level security code protection prevent unauthorised access and protocol alterations; remote alarm in case of system failure
- Positive-locking flywheel prevents injury while working around blade and specimen

Physical Specifications

Dimensions (D x W x H): 74 x 70 x 125cm

Weight: 125kg

Power Requirements: 220 - 240V; 50/60Hz

Includes

Cryocassettes (various sizes), cassette handle, three heat extractors (standard, half-weight and double weight), spanner, debris brush, specimen brush, operator guide, operator guide CD, installation instructions, service record book, debris tray, cryo-bar shelf, right-hand storage shelf, cryobar identification and location cover, cryobar cover.

Description	Order Number
Cryotome FSE; 230V; 50Hz	**A78900003**

Accessories	Order Number
Solid blade holder	**A78910047**
Low profile blade holder	**A78910032**
High profile blade holder	**A78910033**
Glass anti-roll plate	**A78930200**
Perspex anti-roll plate	**A78910075**
Cryobar cover	**A78910041**
Debris tray	**A78910039**
Heat extractor, standard	**A78910014**
Heat extractor, double-weight	**A78910037**
Heat extractor, half-weight	**A78910036**

Thermo Scientific Cryostat Blade Holders

Description	Order Number	CryoStar NX70	CryoStar NX50	HM525 NX	Cryotome FSE
Blade holders for disposable blades					
EC70	**705630**			✓	
EC for high and low profile blades	**705470**			✓	
Low profile blade holder	**705840**	✓	✓		
High profile blade holder	**705940**	✓	✓		
Low profile blade holder	**A78910032**				✓
High profile blade holder	**A78910033**				✓
Blade holders for solid blades					
Steel knife holder	**705950**	✓	✓		
Standard	**705460**			✓	
Universal blade holder	**A78910047**				✓

EC70 Disposable Blade Holder
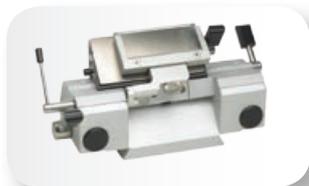
- Suitable for high and low profile disposable blades, with clearance angle adjustment
- Precision dovetail guide and quick clamping mechanism allows for accurate, easy movement
- Includes anti-roll guide and 2 glass anti-roll plates (69.5mm)

Complete	**705630**

EC Disposable Blade Holder

- Suitable for high and low profile disposable blades, with clearance angle adjustment
- Precision dovetail guide and quick clamping mechanism allows for accurate, easy movement
- Includes anti-roll guide and 2 glass anti-roll plates (39mm)

Complete	**705470**

Low Profile Disposable Blade Holder

- Lateral movement of blade holder eliminates need to unclamp and reclamp blade
- Use with low profile disposable blades

Complete	**705840**

High Profile Disposable Blade Holder

- Lateral movement of blade holder eliminates need to unclamp and reclamp blade
- Use with either standard or heavy duty high profile disposable blades to provide a wide range of tissue sectioning options

Complete	**705940**

Low Profile Disposable Blade Holder

- Lateral movement of blade holder eliminates need to unclamp and reclamp blade
- Colour-coded levers for easy of identification
- Use with low profile disposable blades

Complete	**A78910032**

High Profile Disposable Blade Holder

- Lateral movement of blade holder eliminates need to unclamp and reclamp blade
- Colour-coded levers for easy of identification
- Use with either standard or heavy duty high profile disposable blades to provide a wide range of tissue sectioning options

Complete	**A78910033**

Standard Blade Holder

- For use with standard solid blades
- Clearance angle adjustment and removable clamping jaws
- Precision dovetail guide and quick clamping mechanism allows for accurate, easy movement
- Includes anti-roll guide and 2 glass anti-roll plates

Complete	**705460**

Steel Knife Holder

- For use in systems with or without a vacutome
- Basic part without anti-roll guide for the insertion of either the SEV standard blade holder or standard C and D profile solid blades (up to 185mm)
- Adjustable clearance angle setting
- Magnetic fixation of blade holder or knife via smooth running clamping elements with blade guard effect
- Anti-roll guide can be set via a vertical setting screw

Complete	**705950**

Universal Blade Holder

- Accepts standard C and D profile blades up to 220mm; standard length is 120mm
- Can be used with either standard steel blades or with a disposable blade holder
- Use in conjunction with disposable blade holders (P/Ns: 40 or 47)

Complete	**A78910047**

Thermo Scientific Specimen Staging Solutions

Description	Order Number	CryoStar NX70	CryoStar NX50	HM525 NX	Cryotome FSE
Specimen Stages					
20mm Specimen Stage	715700		✓		
30mm Specimen Stage	715220			✓	
30mm Specimen Stage	715710		✓		
30mm Specimen Stage	715600	✓			
40mm Specimen Stage	715230			✓	
40mm Specimen Stage	715720		✓		
40mm Specimen Stage	715610	✓			
60mm Specimen Stage	715620	✓			
50 x 50mm Specimen Stage	715730		✓		
50 x 50mm Specimen Stage	715630	✓			
55 x 55mm Specimen Stage	715740		✓		
60 x 55mm Specimen Stage	715750		✓		
75 x 50mm Specimen Stage	715640	✓			
75 x 70mm Specimen Stage	715760		✓		
Cryocassettes					
9.5mm, cryocassette; annular with handle (4pk.)	77210153				✓
25mm, cryocassette; crosshatched (6pk.)	A78910056				✓
25mm, cryocassette; annular with handle (4pk.)	77210150				✓
35mm, cryocassette; annular with handle (4pk.)	77210151				✓
40mm, cryocassette; crosshatched (6pk.)	A78910031				✓
40 x 28mm, cryocassette; crosshatched (4pk.)	A78910057				✓
45mm, cryocassette; annular with handle (4pk.)	77210152				✓
Variety pack (1 ea. 77210150 to 77210153)	77210154				✓
Cryocassette handle (4pk.)	A78910058				✓
Cryo-Moulds					
Cryo-Mold, 10mm	570400	✓	✓	✓	✓
Cryo-Mold, 15mm	570380	✓	✓	✓	✓
Cryo-Mold, 22mm	570390	✓	✓	✓	✓

Thermo Scientific Microtome Range and Selection Guide

Microtome Features	HM 355S	Finesse ME+	HM 340E	HM 325	Finesse 325	HM 450	HM 430
See Page No.	36	38	40	41	42	43	44
Rotary	✓	✓	✓	✓	✓		
Sliding						✓	✓
Detachable operation panel	✓	✓	✓				
Manual coarse advance				✓	✓		✓
Motorised coarse advance	✓	✓	✓			✓	
Section / trim thickness range	0.5 - 500µm	0.5 - 100µm	0.5 - 500µm	0.5 - 60µm	1.0 - 30µm	1.0 - 100µm	1.0 - 60µm
Motorised sectioning	✓	✓				✓	
Handwheel locks in any position	✓	✓	✓	✓			
Integrated waste tray	✓	✓	✓	✓	✓	✓	✓
"Rocking" mode	✓	✓	✓				
Macro / SuperMega capability	✓	✓	✓	✓		✓	✓
Compatible with Cool-Cut	✓		✓	✓			
Compatible with Section Transfer System (STS)	✓		✓	✓			
Resin cutting capability	✓	✓					

Thermo Scientific Cool-Cut and Thermo Scientific Section Transfer System

Simplify workflow at the microtome with two specially designed accessories which integrate seamlessly with Thermo Scientific™ Rotary Microtome HM 355S, HM 340E and HM 325 rotary microtomes

Thermo Scientific™ Cool-Cut™

Features

- Designed to maintain a cool, consistent temperature for paraffin blocks during the sectioning process
- Peltier device fits directly onto the specimen cylinder of the rotary microtome and can be equipped with a universal cassette clamp or a standard specimen clamp
- Particularly effective during extended cutting periods for "step sections" or "serial sections" through the paraffin block

Includes

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

Description	Order Number
With universal cassette clamp	771110
With standard clamp	771120

Thermo Scientific™ Section Transfer System™

Features

- Adjustable, laminar water flow rate produces more usable sections per block
- Selectable water temperature from ambient temperature up to +45°C
- Illuminated, aluminium water bath
- Specially designed disposable blade holder supports the transfer ramp

Includes

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

Description	Order Number
For microtomes with dovetail guideway	771190
For microtomes with bar guideway	771200
Orientable special specimen clamp	715550

Thermo Scientific HM 355S Rotary Microtome

Ergonomic characteristics with reproducible precision

A fully automated rotary microtome designed for all applications in clinical, research and industrial labs

Features

- One of the safest, most ergonomic and intuitive fully automated rotary microtomes available
- Automated sectioning can be operated via velocity knob, start button or optional foot pedal
- Accidental start prevented by double click operation
- Ergonomic removable control panel can be located on either side of the microtome
- Memory function for specimen positioning
- Touch-pad keyboard to select section thickness, sectioning mode, speed and memory function
- Easy switch between thickness settings for TRIM and SECTION/FINE
- X/Y fine orientation with reproducible zero positioning
- "Rocking mode" speeds up the trimming process by transmitting the movement of the handwheel directly to the object
- Automatic brake following motorised action
- Easily accessible emergency stop button
- 4 motorised modes of operation (single section, interval, multi sections, and continuous)
- Programmable cutting window
- Motorised specimen advance

- Specimen retraction (can be deactivated)
- Longest stroke length available (72mm) allows high quality sections even of Macro / SuperMega cassettes
- Large removable section waste tray covers the entire working area

Physical Specifications

Dimensions (D x W x H): 52 x 41 x 28cm

Weight: 31kg

Total Specimen Advance: 28mm

Cutting Stroke: 72mm

Sectioning Speed: 0 – 450mm/s

Fine Section Thickness Range: 0.5 - 100µm

Trim Thickness Range: 5 - 500µm

Retraction: 40µm, disengageable

Includes

Standard tools, brushed aluminium cover plate, dust cover, instruction manual.

Description	Order Number
HM 355S without clamp and blade holder	**905200**

Accessories	Order Number
Blade holder N	**705820**
Blade holder C	**705810**
Disposable blade holder E	**705800**
Disposable blade holder ER *(recommended for Macro/SuperMega Cassettes)*	**705830**
Universal cassette quick release clamp orienting head	**715020**
Universal cassette quick release clamp fixed head	**546060**
Standard cassette vice clamp	**715010**
Macro / SuperMega Cassette clamp	**716130**
Quick release clamp for embedding rings	**715560**
Clamp for round specimens	**546180**
Round Specimen Clamp Set	**715580**
6 - 9mm insert for round clamp	**546190**
9 - 14.5mm insert for round clamp	**546270**
15 - 21mm insert for round clamp	**546200**
22 - 28mm insert for round clamp	**546210**
Foil clamp to be fitted in standard specimen clamp	**715040**
"V" insert	**715100**
"V" distance piece	**715320**
Segment arc	**715590**
Universal spec. holder for segment arc	**715060**
Histo Collimator (220V)	**755120**
Large field magnifier (220V)	**760160**
Stereomicroscope Zeiss Stemi 2000, including adapter	**755210**
Foot pedal	**640380**

Thermo Scientific™ Finesse™ ME+ Rotary Microtome

Meets the most demanding workloads found in today's busy laboratories

A fully automated rotary microtome for easy sectioning of paraffin and hard specimens in clinical, research and industrial applications

Features

- One of the safest, most comfortable, and user-friendly microtomes offered today
- Excellent for routine wax sections and specialized resin work
- Improved blade holder provides greater versatility, improved productivity, and increased stability while sectioning
- Choose settings for standard wax or resin sectioning
- Display monitors a range of functions including cutting speed, section count, section thickness, and advance distance
- Arrow keys control specimen advance and rewind
- Includes selectable retraction feature
- Instantly switch between TRIM and SECTION settings; trim and section speeds are independently selectable
- Autoload option automatically resets specimen head to a ready position for quickly changing blocks on high-throughput projects
- Rock mode: specimen head advances by a set amount to trim specimens without turning the handwheel through full turns
- Emergency stop immediately cuts power to the motor
- User-selected cutting sector control maximises throughput by allowing the return stroke to be faster than the optimised cutting stroke
- Three cutting modes include continuous cutting
- Choose from 11 languages for viewing commands
- Standby key allows the unit to go into "sleep" mode which saves the customized parameters in memory
- Wide, curved arm rests
- Precision-response, free-running, balanced flywheel
- Operational from front or side positions

Includes

Fine-orienting head, standard quick release specimen clamp, operator guide (specify language when ordering), top organiser tray, debris tray, dust cover, footswitch and service record book.

Certifications and Compliance

IEC 61010, CSA, UL, and CE Mark (IVDD compliant)

Physical Specifications

Dimensions (D x W x H) 59 x 48 x 33cm

Weight: 40kg

Power Requirements: 150VA

Note: Low voltage adaptor kit must be installed by a qualified technician; please specify at time of order

Technical Specification

Total Specimen Advance: 35mm

Cutting Stroke: 65mm

Maximum Advance Speed: 2400µm/s

Fine Section Thickness Range: 0.5 - 100µm

Trim Thickness Range: 2 - 100µm

Retraction Range: 0 - 125µm

Section Counter

Distance Display

Multi-lingual Display

Blade-angle position locator

Specimen Orientation Light

Description	Order Number
Finesse ME+	**A77500015**

Accessories	Order Number
Low profile disposable blade holder	**A77510272**
High profile disposable blade holder	**A77510275**
Solid blade holder	**77510171**
Ralph glass blade holder	**77510168**
Triangular glass blade holder	**77510170**
60 x 55mm vice (macro cassettes)	**77510167**
50 x 45mm vice	**0201**
50 x 30mm vice	**0214**
25 x 30mm vice	**0313**
Standard quick release clamp	**0303**
10mm spacer bar	**0215**
Large "V" spacer (fits 0201; 0214)	**0216**
Small "V" spacer (fits 0201; 0214)	**0220**
Thin foil specimen holder (fits 0214; 0313)	**0223**
JB4 resin clamp (fits 0201)	**77510178**
EBH-2 resin clamp (fits 0201)	**A77510181**
Fixed orienting head	**77510164**
Cold point light source	**77510252**
Camel hair brush	**1910**
Cooling tray; ice cooled	**77510174**
Cooling tray; dry cooled	**77510175**
Service manual	**77510162**

Thermo Scientific HM 340E Rotary Microtome

Multi purpose microtome for clinical and research laboratories

Features

- Universal, multi-purpose microtome with high section stability
- Ergonomic removable control panel can be located on either side of the microtome
- Touch-pad keyboard controls thickness, mode and speed
- Easy switch between thickness settings for TRIM and SECTION/FINE
- Memory function for section positioning
- X/Y fine orientation with zero positioning
- Motorised specimen advance
- Specimen retraction (can be deactivated)
- Longest stroke length available (72mm) allows high quality sections of Macro / SuperMega cassettes

Physical Specifications

Dimensions (D x W x H): 52 x 41 x 28cm

Weight: 25kg

Total Specimen Advance: 28mm

Fine Section Thickness Range: 0.5 - 100µm

Trim Thickness Range: 5 - 500µm

Retraction: 40µm

Includes

Standard tools, brushed aluminium cover plate, dust cover and operator guide.

Description	Order Number
HM 340E without clamp and blade holder	**905190**

Accessories	Order Number
Blade holder N	**705820**
Blade holder C	**705810**
Disposable blade holder E	**705800**
Disposable blade holder ER *(recommended for Macro/SuperMega cassettes)*	**705830**
Universal cassette quick release clamp orienting head	**715020**
Universal cassette quick release clamp fixed head	**546060**
Standard cassette vice clamp (must be used with P/N: 546080)	**715010**
Macro/SuperMega Cassette clamp	**716130**
Quick release clamp for embedding rings	**715560**
Clamp for round specimens	**546180**
6 - 9mm insert for round clamp	**546190**
9 - 14.5mm insert for round clamp	**546270**
15 - 21mm insert for round clamp	**546200**
22 - 28mm insert for round clamp	**546210**
Foil clamp	**715040**
"V" insert	**715100**
"V" distance piece	**715320**
Segment arc	**715590**
Universal spec. holder for segment arc	**715060**
Zero orienting device	**715200**
Aligner	**556000**
Histo Collimator (220V)	**755120**
Large field magnifier (220V)	**760160**
Foot pedal	**640380**
Stereomicroscope Zeiss Stemi 2000, including adapter	**755210**
Interlock plug	**615190**

Thermo Scientific HM 325 Rotary Microtome

Manual rotary microtome for routine clinical and research laboratories

Features

- High stability and precision for premium quality paraffin sections
- Unique section thickness setting with removable knobs allowing operation with both the left and the right hand
- Resettable electronic section counter
- Two quick trim stages (10µm and 30µm) independent from the preset fine section thickness
- X/Y fine orientation with reproducible zero positioning
- Manual coarse feed wheel
- Specimen retraction (can be deactivated)
- Longest stroke length available (72mm) 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): 49 x 42 x 28cm

Weight: 23kg

Total Specimen Advance: 28mm

Section Thickness Range: 0.5 - 60µm

Mechanical trim stages (10µm / 30µm)

Retraction: 60µm

Includes

Standard tools, brushed aluminium cover plate, dust cover and operator guide.

Description	Order Number
HM 325 without clamp and blade holder	**902100**

Accessories	Order Number
Blade holder N	**705820**
Blade holder C	**705810**
Disposable blade holder E	**705800**
Disposable blade holder ER	**705830**
Universal cassette quick release clamp orienting head	**715020**
Universal cassette quick release clamp fixed head	**546060**
Standard specimen clamp	**715010**
Quick release clamp for embedding rings	**715560**
Clamp for round specimens	**546080**
6 - 9mm insert for round clamp	**546190**
9 - 14.5mm insert for round clamp	**546270**
15 - 21mm insert for round clamp	**546200**
22 - 28mm insert for round clamp	**546210**
"V" insert	**715100**
"V" distance piece	**715320**
Segment arc	**715590**
Universal spec. holder for segment arc	**715060**
Histo Collimator (220V)	**755120**
Large field magnifier (220V)	**760160**

Thermo Scientific™ Finesse™ 325 Manual Microtome

Manual rotary microtome for routine histology

A rotary microtome designed for all applications of paraffin and hard specimens in clinical, research and industrial labs

Features

- Precision-response, free-running flywheel with ergonomic design
- Brake may be activated at any position of the flywheel
- Retraction feature is standard and may be disengaged at the user's request
- Supplied with a quick-release cassette clamp and X/Y orientation head as standard
- Disposable blades or standard microtome blades may be used with this unit (with appropriate knife holder)
- Modern ACCU-FEED system provides high-quality reproducible sections throughout the length of specimen travel
- ACCU-FEED specimen advance is selectable in 1 micron steps from 1 to 30 microns
- Specimen tilt/orientation is ±5° using X/Y micro adjustment
- Removable deep debris tray for ease of cleaning
- Removable organizer tray located at the top of the unit for cassette organization and tools
- Specify blade holder at time of order
- Quick-release cassette holders and visas are available separately

Includes

Fine-orienting head, standard quick-release clamp specimen travel alarm/indicator, resettable section counter, organizer tray, debris tray, dust cover, microtome oil, operator guide.

Physical Specifications

Dimensions (D x W x H): 50 x 41 x 29cm

Weight: 40kg

Certifications and Compliance

CE Mark (IVDD compliant)

Description	Order Number
Finesse 325	**A78100001**

Accessories	Order Number
Low profile blade holder	**0321**
High profile blade holder	**0322**
Universal blade holder	**0318**
50 x 45mm vice	**0201**
50 x 30mm vice	**0214**
25 x 30mm vice	**0313**
10mm spacer bar	**0215**
Large "V" spacer (fits 0201; 0214)	**0216**
Small "V" spacer (fits 0201; 0214)	**0220**
Thin foil specimen holder (fits 0214; 0313)	**0223**
Camel hair brush	**1910**

Thermo Scientific HM 450 Sliding Microtome

Electronic sliding microtome with automatic fine sectioning and trimming

Features

- For routine clinical histology, biological/botanical applications and for industrial samples
- Integrated blade holder glides along a maintenance-free, precision, cross-roller bearing system ensuring fast, comfortable and non-tiring operation
- Incorporates stepping motor technology to assure precise, accurate specimen advancement
- Trimming function allows for precision block trimming prior to the sectioning function
- Automatic or manual sectioning can be selected
- User-friendly control panel allows for easy setting of sectioning parameters
- Display panel for selection of section counter, step sum, remaining travel and specimen position memory function
- Selectable specimen retraction
- Motorised coarse feed with three different speed settings
- 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

Includes

Dust cover and operator guide

Physical Specifications

Accommodates specimens up to 80 x 60mm

Section thickness range: 1 to 100µm

Vertical feed range: 40mm (max.)

Horizontal blade stroke: 190mm (max.)

Dimensions (D x W x H): 49 x 36 x 32cm

Weight: 22kg

Description	Order Number
HM 450	**910020**

Accessories	Order Number
Blade holder insert with Eccentric Fast Clamping	
For low profile blades	**705200**
For high profile blades	**705340**
Wooden storage case	**152160**
Low profile disposable blade holder (1 blade)	**705430**
Wooden storage case for 705430	**705490**
Low profile disposable blade holder (2 blades)	**705440**
Wooden storage case for 705440	**705500**
5mm Height adjustment plate	**448070**
10mm Height adjustment plate	**440400**
20mm Height adjustment plate	**440410**
Standard Specimen Clamp with waste tray	**715470**
Standard Specimen Clamp without waste tray	**715480**
Universal cassette clamp with waste tray	**715490**
Drip tray for std. and universal cass. clamp	**502140**

Thermo Scientific HM 430 Sliding Microtome

Sliding microtome with smooth running knife sledge for ease of use in routine histology and research applications

Features

- Selection of the stroke length depending on the size of the specimen
- 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

Includes

Dust cover and operator guide

Physical Specifications

Accommodates specimens up to 80 x 60mm

Section thickness range: 1 to 60µm

Vertical feed range: 40mm (max.)

Horizontal blade stroke: 190mm (max.)

Dimensions (D x W x H): 49 x 31 x 32cm

Weight: 22kg

Description	Order Number
HM 430	**910010**

Accessories	Order Number
Blade holder insert with Eccentric Fast Clamping	
For low profile blades	**705200**
For high profile blades	**705340**
Wooden storage case	**152160**
Low profile disposable blade holder (1 blade)	**705430**
Wooden storage case for 705430	**705490**
Low profile disposable blade holder (2 blades)	**705440**
Wooden storage case for 705440	**705500**
5mm Height adjustment plate	**448070**
10mm Height adjustment plate	**440400**
20mm Height adjustment plate	**440410**
Standard Specimen Clamp with waste tray	**716090**
Standard Specimen Clamp without waste tray	**716080**
Universal cassette clamp	
With waste tray	**715490**
Without waste tray	**715500**
Drip tray for standard and universal cass. clamp	**502140**

Thermo Scientific Microtome Blade Holders

Blade Holder Selection Matrix

Description	Order Number	HM 355S	Finesse ME+	HM 340E	HM 325	Finesse 325	HM 450	HM 430
Blade holders for disposable blades								
E for high and low profile blades	705800	✓		✓	✓			
ER for high and low profile blades	705830	✓		✓	✓			
Low profile blade holder	A77510272		✓					
High profile blade holder	A77510275		✓					
Low profile blade holder	0321					✓		
High profile blade holder	0322					✓		
Eccentric fast clamping; low profile	705200						✓	✓
Eccentric fast clamping; high profile	705340						✓	✓
For single low profile blade	705430						✓	✓
For two low profile blades	705440						✓	✓
Blade holders for solid blades								
Universal solid blade holder	0318					✓		
Standard solid blade holder N	705820	✓		✓	✓			
Solid blade holder C	705810	✓		✓	✓			
Solid blade holder	77510171		✓					
Ralph glass blade holder	77510168		✓					
Triangular glass blade holder	77510170		✓					

For disposable blades see page 84

E Disposable Blade Holders

- 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

Complete for HM 355S / HM 340E / HM 325	**705800**

ER Disposable Blade Holders

- 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

Complete for HM 355S / HM 340E	**705830**

High and Low Profile Disposable Blade Holders for Finesse ME+

- Improved clamping mechanism reduces the need for blade holder maintenance and improves reliability
- Large clamp plate allow easy section retrieval and clamps blade fully along its length
- Entire top stage moves laterally for increased safety
- Reduced wear on clamping mechanism

Complete low profile	**A77510272**
Complete high profile	**A77510275**

High and Low Profile Disposable Blade Holders for Finesse 325

- With quick clamp system for high and low profile blades
- Clearance angle adjustment
- Provides a wide range of tissue sectioning

Complete low profile	**0321**
Complete high profile	**0322**

Universal Solid Blade Holder

- For use with the Thermo Scientific Finesse 325 only
- Accepts standard C or D profile blades up to 185mm
- Use with standard steel blades or with disposable blade holders P/Ns 40 or 47

Complete	**0318**

Standard Solid Blade Holders N

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

Complete for HM 355S / HM 340E	705820

Solid Blade Holders C

- 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

Complete for HM 355S / HM 340E	705810

Solid Blade Holder

- For use with the Thermo Scientific Finesse ME+ only
- Accepts commonly used blades
- Blade guard covers unused part of the blade and can be closed fully to cover entire blade
- Includes blade angle memory position indicator

Complete	77510171

Ralph Glass Blade Holder
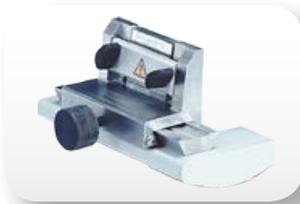
- For use with the Thermo Scientific Finesse ME+ only
- Use to cut resin sections
- Cuts down to 1 micron

Complete	77510168

Triangular Glass Blade Holder

- For use with the Thermo Scientific Finesse ME+ only
- Use to cut resin sections
- Cuts down to 0.5 micron

Complete	77510170

Thermo Scientific Microtome Specimen Clamps

Specimen Clamp Selection Matrix

Description	Order Number	HM 355S	Finesse ME+	HM 340E	HM 325	Finesse 325	HM 450	HM 430
Quick release specimen cassette clamp	0303		✓			✓		
Standard specimen clamp	715010	✓		✓	✓			
Standard specimen clamp; fixed head	546070	✓		✓	✓			
Quick release clamp for embedding rings	715560	✓		✓	✓			
Universal quick release clamp	715020	✓		✓	✓			
Universal cassette clamp; fixed head	546060	✓		✓	✓			
Adjustable universal cassette clamp	716130	✓		✓	✓			
Cassette clamp for macro cassettes	716120	✓		✓	✓			
60 x 55mm vice	77510167		✓			✓		
50 x 45mm vice	0201		✓			✓		
50 x 30mm vice	0214		✓			✓		
25 x 30 vice	0313		✓			✓		
10mm spacer bar	0215		✓			✓		
Small "V" spacer	0220		✓			✓		
Large "V" spacer	0216		✓			✓		
Thin foil specimen holder	0223		✓			✓		
JB4 resin clamp (fits 0201)	77510178		✓			✓		
EBH-2 resin clamp	A77510181		✓			✓		
Foil clamp fitted directly to specimen cylinder	715030	✓		✓				
Foil clamp for use with standard specimen clamp	715040	✓		✓	✓			
Sandwich supporting material	175010	✓		✓				
Round specimen clamp with no inserts	546180	✓		✓				
Round specimen clamp with all inserts	715580	✓		✓				

Description	Order Number	HM 355S	Finesse ME+	HM 340E	HM 325	Finesse 325	HM 450	HM 430
6mm insert for round specimens; used with standard specimen clamp	715070	✓		✓				
15mm insert for round specimens; used with standard specimen clamp	715080	✓		✓				
19mm insert for round specimens; used with standard specimen clamp	715280	✓		✓				
25mm insert for round specimens; used with standard specimen clamp	715090	✓		✓				
Light jaw for use with insert for round specimen	546080	✓		✓				
"V" insert	715100	✓		✓	✓			
"V" distance piece	715320	✓		✓	✓			
Segment arc	715590	✓		✓	✓			
Universal specimen holder	715060	✓		✓	✓			
30mm specimen stage	715360	✓		✓	✓			
40mm specimen stage	715370	✓		✓	✓			
40 - 50mm specimen stage	715380	✓		✓	✓			
Quick release clamp for embedding rings; with waste tray	716090						✓	
Quick release clamp for embedding rings; without waste tray	716080						✓	✓
Standard specimen clamp with waste tray	715470						✓	✓
Standard specimen clamp without waste tray	715480						✓	✓
Universal cassette clamp with waste tray	715490						✓	
Universal cassette clamp without waste tray	715500						✓	✓
Fine orientating head	77510166		✓					
Fixed head	77510164		✓					

Thermo Scientific Microtome Accessories

Accessory Selection Matrix

Description	Order Number	HM 355S	Finesse ME+	HM 340E	HM 325	Finesse 325	HM 450	HM 430
Large field magnifier; 220V	**760160**	✓		✓	✓			
Large field magnifier; 110V	**760170**	✓		✓	✓			
Histo collimator, 220V	**755120**	✓		✓	✓			
Histo collimator, 110V	**755130**	✓		✓	✓			
Cold point light source, 220V (UK)	**77510261**		✓					
Cold point light source, 220V (Euro)	**77510252**		✓					
Cold point light source, 110V	**77510262**		✓					
Foot pedal	**640280**	✓						
Specimen transfer system for bar guideway	**771200**	✓		✓	✓			
Cool-Cut with universal clamp	**771110**	✓		✓	✓			
Cool-Cut with standard clamp	**771120**	✓		✓	✓			
Zeiss stemi 2000 stereomicroscope	**755210**							

Thermo Scientific Disposable Blades

High and low profile configurations for virtually any application

Blade Type	Low Profile Blades					High Profile Blades	
Description	MX35 Ultra	MX35 Premier +	MX35 Premier	MB Dynasharp	MB22 Premier	HP35 Ultra	HP35
Order Number	3053835	3052835	3051835	3050836	3050822	3153735	3150734
Edge Angle	34°	34°	34°	34°	22°	34°	34°
Soft Tissue	✓✓	✓	✓	✓✓	✓	✓✓	✓
Hard Tissue	✓✓	✓✓				✓✓	
Cryostat	✓✓	✓	✓	✓	✓✓	✓✓	
Thin Sectioning	✓✓	✓	✓	✓	✓✓	✓✓	✓✓
Biopsies & Recuts	✓✓	✓	✓✓	✓✓		✓✓	

Disposable Blade Matrix Key: ✓ - Good; ✓✓ - Best

Thermo Scientific HM 650V Vibrating Microtome

Innovation in sectioning

Features

- Designed for cutting fixed and unfixed tissue samples as well as non-biological specimens without the need for freezing or embedding
- The vibrating system reduces artifacts by minimizing damage to the cells
- Amplitude and frequency can be set independently which ensures the optimal combination for every possible specimen
- Cutting speed can be selected between 0 - 50 mm/sec in 0.1mm increments
- Simple operation by intuitive multilingual user panel and the possibility to store 10 user defined parameter settings
- Three modes of operation: semi-manual, single and continuous
- Adjustable cutting window
- 8° X/Y-orientation of the buffer tray
- Cooling of buffer solution and specimen is guaranteed by special cooling elements
- Removable buffer tray

Includes

Basic instrument (without large field magnifier and cold light source), cooling element with buffer solution, buffer tray, specimen stages, tool shelf, dust cover and operator guide.

Physical Specifications

Accommodates Specimens up to 45 x 45mm

Fine and trim section thickness via stepping motor from 0 to 1500µm

Amplitude adjusted from 0 to 1.2mm in 0.1mm increments

Frequency of vibration adjusted from 30 to 100Hz

Motorised cutting movement from 0 to 5mm/s

Dimensions (D x W x H): 52 x 38 x 28cm

Weight: 30kg

Description	Order Number
HM 650V	**920120**

Accessories	Order Number
Adapters	
For special (e.g. injector) disposable blades	**152510**
For sapphire and zirconium blades	**152520**
For commercially available razor blades	**152530**
PE buffer tray	**648200**
B specimen stage (2 - 10mm tissue)	**715800**
F specimen stage (10 - 45mm tissue)	**715810**
K specimen stage (10 - 45mm tissue)	**715820**
Cooling element for buffer solution	**648210**
CU 65 cooling device (220 V)	**770170L**
CU 65 cooling device (110 V)	**770180L**
Large field magnifier; 100 - 120V	**760170**
Zeiss Stemi 2000 stereomicroscope	**755050**
KL cool light source	**760307**
Swan-neck light guide	**760320**
Foot pedal	**640280**

Intelligent workflow optimisation
in slide staining

With a history stretching back for over a decade, the name Gemini has become synonymous with multi-protocol slide staining and efficiency.

For truly effortless management of your staining workload, the Gemini series has consistently delivered excellence.

With this illustrious legacy it would be unthinkable for the new Gemini AS to be anything other than a masterpiece.

With enhanced software, a reduced instrument footprint and a host of other upgrades, Gemini AS is a worthy successor to the Thermo Scientific staining crown.

The multi-tasking stainer
for greater throughput

Touchscreen user interface

Internal LED lighting

Process up to 12 baskets simultaneously

Read on to find out more ...

Thermo Scientific Gemini AS Automated Slide Stainer

Multi-dimensional automated slide stainer maximises efficiency by organising your staining workflow

The Thermo Scientific™ Gemini™ AS is the latest and most highly specified version in the Gemini series. Intuitive software makes it possible for the Gemini AS to perform different protocols simultaneously with multiple 20-slide baskets in process. Units have six water stations, 26 reagent stations and a total of four configurable doors for loading and unloading. Its two level design and integrated touch screen makes it one of the most space efficient automated staining solutions available.

Features

- New high clarity touch screen display with intuitive software control
- New LED lighting providing a clear view of the staining area
- Space efficient due to the two level design and integrated touch screen
- Easy access to all reagent stations - lower level staining stations are on a turntable
- Easy-to-use software allows staining runs to be started with the touch of a single button
- USB connectivity allowing protocols, reagent layouts and event logs to be saved
- Optional on board heaters for slide drying
- Compatible with the Thermo Scientific range of coverslippers

Performance

- Easy-to-use software schedules runs, allocates reagents, optimises reagent layout and calculates the most efficient route for each protocol to maximize throughput and minimise reagent carryover
- Open system uses Thermo Scientific stains and reagents
- Fully editable user-defined protocols
- Urgent Start gives user opportunity to prioritise "urgent" baskets without compromising those already in process
- Return option allows user to recall any loaded basket to load door
- Step-start capabilities from any position
- Quality Control system monitors reagent usage and batch throughput
- Handles fume control with an easy-to-change carbon filter or through connection to an optional external vent adapter kit
- PIN protection secures operator's customised protocols
- Power supply has a voltage range from 110 - 240V (±10%) sufficient to handle power fluctuations including surges, spikes and brownouts
- Battery backup provides approximately 40 minutes of power in the event of a power failure
- Dishwasher safe reagent pots

Physical Specifications

Dimensions (D x W x H): 79 x 72 x 89cm;

Weight: 87kg;

Power Requirements: 300VA

Includes[†]

Unheated stainer; 35 stain pots supplied, fitted

Heated stainer; 30 stain pots and 5 heater pots supplied, fitted

Both models contain charcoal filter, staining basket and carrier (2 x 5/pk. ea.), three well water station (2 fitted), single pot covers (6/pk.), multi-pot covers (4/pk.), 2.5m water inlet hose, spare staining pots (3/pk.), operator guide, operator guide CD and service record book.

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

Certifications and Compliance

Designed to meet IEC 61010, CSA, UL, and CE Mark (IVDD compliant)

Full-colour touchscreen user-interface

Ordering Information

Available with or without five independently heated positions for drying slides.

Description	Order Number
Gemini AS, With heater stations	A81500001
Gemini AS, Unheated	A81500002

Accessories	Order Number
Charcoal filter	9990610
Static water wash station	A78010226
Vent adapter kit	A78010467
1Gb USB stick	AP17385
Reagent pot; 3/pk	A78010487
Basket/Carrier; 5/pk	A78010466
Gemini baskets (ClearVue compatible) – Black slider	A79210064
Gemini baskets (ClearVue compatible) – White slider	A79210065
Pot insert (for manual coverslipping); 3/pk.	A78010505
Basket adapter for large slides; 10/pk. (5 pairs)	A78010510
Sakura basket carrier; 5/pk.	A78010404

Handle up to 12 baskets simultaneously

Thermo Scientific™ Varistain™ 24-4 Slide Stainer

Automated slide stainer designed for single load, double load and continuous throughput

One piece, bench top unit features user-specified water stations to match your routines. Stations hold 750ml troughs which may be filled to 355ml for 10 slide carriers. Used in cytology, haematology and histology laboratories.

Features

- Stains 64 slides per basket, potentially 1536 (64 x 24) slides/ run
- Stores and runs either three 24 step programs or six 12 step programs
- Permits you to program your station times in minutes and
- seconds precisely
- Pass feature allows you to run two programs while using the same reagents
- Compact design conserves bench top space
- Turntable rotates for convenient access to stations at rear of unit
- Gives consistent results run after run
- Compatible with most automatic coverslippers
- Thermo Scientific™ Varistain™ 24-4K models are configured for continuous operation

Physical Specifications

Dimensions (D x W x H): 74 x 74 x 51cm [65cm Raised]

Turntable diameter: 86cm

Weight: 60kg

Power Requirements: 50VA

Includes†

64 position vertical slide carrier (2/pk.), 750ml staining troughs (24/pk.), water wash troughs (4/pk.), 3m water inlet and outlet hose (fitted), operator guide (specify language), instruction sheet and service record book.

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

Certifications and Compliance

Designed to meet IEC 61010, CSA, UL, and CE Mark (IVDD compliant)

Ordering Information

Agitation is available. Integrate the Varistain 24-4 with the Thermo Scientific™ CTM6 or Thermo Scientific™ ClearVue™ automatic coverslippers for even greater time savings and efficiency.

Description	Order Number
Varistain 24-4; 220 - 240V; 50Hz	**74200001**
Varistain 24-4K; 220 - 240V; 50Hz	**74200010**

Accessories	Order Number
Horizontal slide carrier (10 position)	**66610028**
Rack for Sakura Coverslipper	**74210121**
Service manual	**74210100**

Call for information on compatibility with other automatic coverslippers.

Thermo Scientific™ Linistat™ Linear Stainer

Compact linear stainer that is the answer to H&E frozen section protocols

Features

- Efficient footprint fits on top of most cryostats for streamlining workflow during frozen sectioning
- Features include 14 staining stations (20 sec. each), running water and a 13 slide capacity collection tank
- Staining time is under five minutes
- For situations that require hand staining, technician may dip through the stations, eliminating the need to set up separate staining dishes
- Colour-coded slide clips correspond to the coloured slides and coloured frozen section embedding media, Thermo Scientific™ Cryochrome™

Description	Order Number
Linistat; 110 - 130V; 50/60Hz	**B1000200**
Linistat; 220 - 240V; 50/60Hz	**B1000201**

Physical Specifications

Dimensions (D x W x H): 16 x 64 x 27cm

Clearance height: 25cm

Weight: 7.3kg

Power Requirements: 110 - 120V; 60Hz, Maximum 2.0A;

220 - 240VAC, 50/60Hz, Maximum 1.0A

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.

Thermo Scientific CTM6 Coverslipper

Automated glass coverslipper for high-quality coverslipping with the smallest possible footprint

The Thermo Scientific CTM6 automated glass coverslipper uses glass coverslips of 24 x 40, 50, 55 and 60 mm, No. 1 thickness. The device can be easily re-configured for different slide sizes or mountant formulations. Its small footprint makes it the perfect tool for any lab that wants to overcome manual coverslipping and stay flexible.

- Coverslipping up to 400 slides per hour the CTM6 slide baskets are capable of holding 19 or 30 slides each
- Operator safety – loading and unloading of baskets without opening the hood
- Internal vapour extraction system with fan and permanent air-flow avoids any leakage of vapours at openings
- Integrated charcoal filtration
- Bubble-free mountant refill, 100ml reservoir
- Tool-free cleaning and maintenance
- Display options: German, English, French, Spanish
- Easy conversion to other coverslip sizes – all required parts included
- Adapters available for a variety of Thermo Scientific stainers as well as other manufacturers.

Physical Specifications

Dimensions (D x W x H): 41 x 27.5 x 35 cm

Weight: 19 kg

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

Coverslip capacity: 400 pcs.

Mountant reservoir, capacity: 100 ml

Baskets: 19- or 30-slide racks

Description	Order Number
CTM6 coverslipper	**970010**

Accessories	Order Number
Slide Baskets – 19 Slides	**172540**
Slide Baskets – 30 Slides	**172550**
Charcoal Filter	**184710**
Bavimed Stainer Adapter	**173000**
Combi Tech Stainer Adapter	**172610**
Leica Autostainer XL, 2 x 30 Slides Adapter	**172580**
Leica ST4040 Stainer, 1 x 19 Slides Adapter	**173120**
Leica ST4040 Stainer, 2 x 30, Slides Adapter	**173150**
Manual Staining Adapter, for 19 Slide Baskets	**173070**
Manual Staining Adapter, for 30 Slide Baskets	**172930**
Medite TST 30, 40, 50 Stainer, 1 x 30 Slides Adapter	**172780**
Medite, COT 20 Stainer, 1 x 19 Slides Adapter	**172760**
MS/DS 50 Stainer, 1 x 30 Slides Adapter	**172560**
MS/DS 50 Stainer, 2 x 19 Slides Adapter	**172750**
Sakura DRS 2000 Stainer, 1 x 19 Slides Adapter	**173140**
Sakura DRS601 Stainer, 1 x 19 Slides Adapter	**172940**
Varistain 24-4 Stainer, 1 x 30 Slides Adapter	**172590**
Varistain 24-4 Stainer, 2 x 19 Slides Adapter	**172920**
Varistain XY/DRS-60 Stainer, 2 x 30 Slides Adapter	**172600**

Thermo Scientific ClearVue Coverslipper

Finally, a coverslipper intelligent enough to see past workflow obstacles

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

Compatibility

- Offers compatibility with a variety of stainers to accommodate just about any lab setting
- Accepts slides directly from the Thermo Scientific™ Gemini™ and Varistain™ 24-4, Sakura DRS™ 2000 and Leica Auto-Stainer™; slide baskets from any of these stainers can be loaded onto the ClearVue in a mix or match fashion without making adjustments to the coverslipper

Specimen Recognition

- Automatically recognises different types of slide preparations; delivers correct amount of mountant for coverslipping each
- Handles both histology and cytology samples simultaneously without user interaction while still delivering the right amount of mountant

Load-on-Demand

- Load-on-demand capabilities can manage up to 11 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 recognise and position slides during the coverslipping process
- Recognises the position of each slide in a basket, removes each slide with a set of slide grippers and returns every slide back 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
- Disc drive offers ability to download technical information and perform software updates

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 vapours 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
- Coverslip hoppers provide additional reliability and greater safety - no need to handle and stack large quantities of coverslip

Physical Specifications

Dimensions: (D x W x H): 57.5 x 64.5 x 50cm

Weight: 50kg

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

Includes

Operator guide (English), operator guide CD (multi-lingual), case of two ClearVue coverslip hoppers; 24 x 50mm, 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.

Description	Order Number
ClearVue Coverslipper	**A79200001**

Accessories	Order Number
Shallow tray for loading baskets	**A79230229**
Drying stand for five baskets	**A79230230**
Filter	**9990610**
Extraction kit	**A79210080**
Soft hair brush	**P12257**
Suction cups (3/pk.)	**A79210081**
Charcoal filter (6/pk.)	**7411258**

Thermo Scientific ClearVue coverslip hoppers

Coverslip Hoppers	Qty.	Order Number
0.16 to 0.19 thick (No. 1.5)		
24mm x 40mm	2 x 500/pk.	**A79210050**
24mm x 50mm	2 x 500/pk.	**A79210051**
24mm x 55mm	2 x 500/pk.	**A79210052**

Recommended mountants	Order Number
ClearVue Mountant, Toluene-based, 2/pk.	**4211**
ClearVue-XYL Mountant, Xylene-based, 2/pk.	**4212**

Assorted Thermo Scientific ClearVue baskets

ClearVue Baskets	Order Number
Baskets and hangers sold in sets of 5.	
Gemini compatible baskets (black sliders)	**A79210064**
Gemini compatible baskets (white sliders)	**A79210065**
Sakura DRS 2000 compatible baskets (black sliders)	**A79210066**
Sakura DRS 2000 compatible baskets (white sliders)	**A79210067**
Hangers for Sakura DRS 2000 compatible ClearVue baskets	**A79210068**
Varistain 24-4 compatible baskets (black sliders)	**A79210069**
Varistain 24-4 compatible baskets (white sliders)	**A79210070**
Leica compatible baskets (black sliders)	**A79210072**
Leica compatible baskets (white sliders)	**A79210073**

Thermo Scientific Metal Block and Slide Storage

Perfectly storing what needs to be stored

The high quality Thermo Scientific 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 to cater for every conceivable requirement.

- The standard size for floor stacking is available in three colours, Blue, Green and two-tone Grey
- 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 Grey
- The Thermo Scientific™ Colourstack™ cabinets are ideal for colour-coding your sllides as they are available with ten different colour 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 coloured 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 mobilise 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 30mm.

- Eight drawers each divided into seven rows 30mm wide
- Available in three colours, Blue, Green and two-tone Grey
- Available in two sizes, standard and MINI (grey only)

Capacity	Dimensions	Order Number
3000 cassettes	48 x 48 x 27.5cm	**E43/22BLUE**
3000 cassettes	48 x 48 x 27.5cm	**E43/22GREEN**
3000 cassettes	48 x 48 x 27.5cm	**E43/22GREY**
1400 cassettes	48 x 24 x 27.5cm	**E43/22MINI**

Slide Wallet Filing Cabinet

This cabinet has three drawers for the storage of Slide Wallets (order number E48/5)

- Available in three colours, Blue, Green and two-tone Grey

Capacity	Dimensions	Order Number
1800 slides	48 x 48 x 14cm	**E43/10BLUE**
1800 slides	48 x 48 x 14cm	**E43/10GREEN**
1800 slides	48 x 48 x 14cm	**E43/10GREY**

14-Drawer Slide Filing Cabinet

The 14-Drawer Cabinet is designed for the storage of 76 x 26mm microscope slides.

- Available in three colours, Blue, Green and two-tone Grey
- Available in two sizes, standard and MINI (grey only)
- Slides that are not dry can also be stored using a spring spacer to separate them (order number E43/16)

Capacity	Dimensions	Order Number
6000 slides	48 x 48 x 14cm	**E43/12BLUE**
6000 slides	48 x 48 x 14cm	**E43/12GREEN**
6000 slides	48 x 48 x 14cm	**E43/12GREY**
3000 slides	48 x 24 x 14cm	**E43/12MINI**

Horizontal Slide Filing Cabinets

The Horizontal Cabinet has drawers with polypropylene dividers which are grooved to hold standard 76 x 26mm slides horizontally.

- Available in three colours, Blue, Green and two-tone Grey
- Available in two sizes, standard and MINI (grey only)

Capacity	Dimensions	Order Number
1230 slides	48 x 48 x 14cm	**E43/33BLUE**
1230 slides	48 x 48 x 14cm	**E43/33GREEN**
1230 slides	48 x 48 x 14cm	**E43/33GREY**
600 slides	48 x 24 x 14cm	**E43/33MINI**

7-Drawer Slide Filing Cabinet

The 7-Drawer Cabinet can be used for the storage of larger microscope slides (up to 51mm wide), SuperMega Cassettes or cardboard boxes containing wax blocks etc. It may also be used for the storage of photographic transparencies and most grid boxes used in electron microscopy.

- Available in three colours, Blue, Green and two-tone Grey
- Available in two sizes, standard and MINI (grey only)
- Drawers can also take 76 x 26mm slides if a divider is used (order number E43/21)

Capacity	Dimensions	Order Number
3000 large slides	48 x 48 x 14cm	**E43/13BLUE**
3000 large slides	48 x 48 x 14cm	**E43/13GREEN**
3000 large slides	48 x 48 x 14cm	**E43/13GREY**
1500 large slides	48 x 24 x 14cm	**E43/13MINI**

Thermo Scientific Colourstack Filing Cabinets

The Thermo Scientific™ Colourstack™ cabinets are an innovative addition to the Thermo Scientific cabinet range. These cabinets have coloured plastic drawer fronts which make them ideal for the colour-coded storage of slides. They have the same dimensions as the traditional metal cabinets which means that they can be stacked with the other full sized cabinets in this section.

Colourstack Filing Cabinets

Colourstack cabinets have been designed to colour-code the storage of 76 x 26mm slides.

- Available in ten different drawer colours
- Cabinet and drawer bodies are supplied in a cream epoxy coated metal
- Top covers available in cream to match (order number E43/14C)
- Fit standard base stands (order number E43/15 and E43/15/HDWB)

Colour	Dimensions	Capacity	Order Number
	48 x 48 x 14cm	6000 slides	**E43/12C/AQUA**
	48 x 48 x 14cm	6000 slides	**E43/12C/BLUE**
	48 x 48 x 14cm	6000 slides	**E43/12C/GREEN**
	48 x 48 x 14cm	6000 slides	**E43/12C/GREY**
	48 x 48 x 14cm	6000 slides	**E43/12C/LILAC**
	48 x 48 x 14cm	6000 slides	**E43/12C/ORANGE**
	48 x 48 x 14cm	6000 slides	**E43/12C/PINK**
	48 x 48 x 14cm	6000 slides	**E43/12C/TAN**
	48 x 48 x 14cm	6000 slides	**E43/12C/WHITE**
	48 x 48 x 14cm	6000 slides	**E43/12C/YELLOW**

Colours are a representation only

Replacement Drawers and Archiving System

To save time and the need for unnecessary handling of slides, simply replace a full Colourstack drawer with an empty one. The replacement drawers are supplied in sets of 4 in a box designed to be re-used for the long term storage of full drawers.

- Each box contains a set of four replacement colour-coded drawers
- Available in the same ten colours as the Colourstack cabinets

Colour	Order Number
	E43/12CD/AQUA
	E43/12CD/BLUE
	E43/12CD/GREEN
	E43/12CD/GREY
	E43/12CD/LILAC
	E43/12CD/ORANGE
	E43/12CD/PINK
	E43/12CD/TAN
	E43/12CD/WHITE
	E43/12CD/YELLOW

Thermo Scientific Top Covers, Stands and Storage Boxes

Top Covers
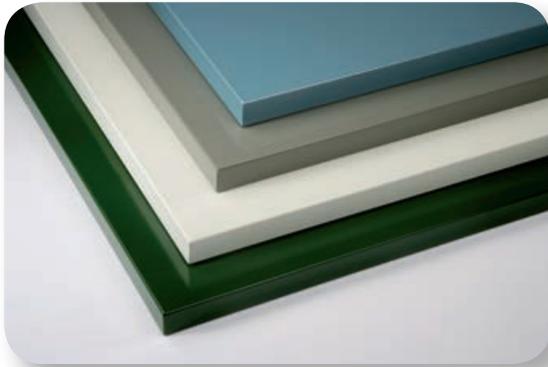
Metal top covers for the Thermo Scientific Cabinets.

- Enables the cabinet to be used as a work surface
- Available in four colours, Blue, Green, Grey and Cream
- Available in two sizes, standard and MINI (grey only)

Dimensions	Order Number
48 x 48 x 2.5cm	E43/14BLUE
48 x 48 x 2.5cm	E43/14GREEN
48 x 48 x 2.5cm	E43/14GREY
48 x 48 x 2.5cm	E43/14C (Cream)
48 x 24 x 2.5cm	E43/14MINI

Standard and Heavy-Duty Wheel Base Stand

Black base stands for the Thermo Scientific Cabinets.

- Standard base available in standard or MINI size
- Wheeled base stand is reinforced with four heavy-duty swivel castor wheels

Base Stand	Cabinet Type	Dimensions	Order Number
Standard	Standard	48 x 48 x 11cm	E43/15
MINI	MINI	48 x 24 x 11cm	E43/15MINI
Heavy-duty Wheel Base Stand	Standard	48 x 48 x 20cm	E43/15HDWB

Accessories for Thermo Scientific Storage Cabinets

Spring Spacers
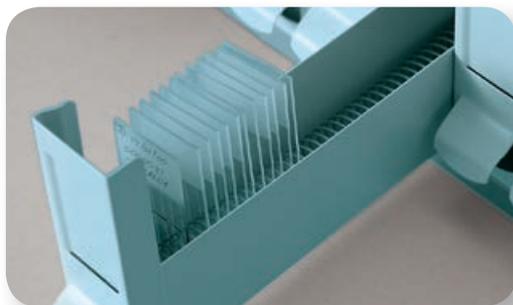
If slides are stored before they are completely dry, the spring spacer will separate them to stop them sticking.

For Cabinet	Qty.	Order Number
E43/12COLOUR and E43/12C/COLOUR	ea.	E43/16
E43/12MINI	ea.	E43/16MINI
E43/13COLOUR	ea.	E43/17

Slide Filing Location Slips

These colour strips are used to identify the location of a slide that has been removed from a cabinet.

- Available in three colours, White, Pink and Green

Colours	Qty.	Order Number
White	100/pk.	E43/25
Pink	100/pk.	E43/26
Green	100/pk.	E43/27

Slide Filing Wallets

Cardboard wallets to take 3 standard microscope slides

(76 x 26mm) for use with the Slide Wallet Cabinet.

For Cabinets	Qty.	Order Number
E43/10COLOUR	100/pk.	**E48/5**

Steel Slide Box

A stainless steel box for the storage of 76 x 26mm slides.

- Internal dividers for up to 1000 slides
- Drop-on lid and card index holder

Dimensions	Qty.	Order Number
31 x 15 x 8cm	ea.	**E43/11**

Drawer Dividers

This divider can be used in the 7-Drawer Filing Cabinet so that 76 x 26mm slides can be stored as well as larger slides etc.

For Cabinet	Qty.	Order Number
E43/13COLOUR	ea.	**E43/21**

Cassette Storage Box

A stainless steel box for the storage of processing cassettes

- Racks to hold approximately 200 cassettes in four rows
- Drop-on lid

Dimensions	Qty.	Order Number
31 x 16 x 5cm	ea.	**E43/22/B**

Foam Dividers

This divider is used to hold 76 x 26mm slides upright in the slide drawer.

For Cabinets	Qty	Order Number
E43/12COLOUR, E43/12MINI and E43/12C/COLOUR	12/pk.	**B1000152**

Thermo Scientific Slide and Cassette Archiving and Storage

Plastic Slide Boxes

Extremely durable plastic slide boxes to store 76 x 26mm 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 colours available - White, Blue and Red
- Cork lined with index card in lid

Physical Specifications

25 Slide Box: 9.5 x 8.6 x 3.3cm

50 Slide Box: 21 x 8.6 x 3.3cm

100 Slide Box: 21 x 16 x 3.3cm

Description	Qty.	Order Number
25-Slide Box		
White	ea.	B1780
Red	ea.	B1781
Blue	ea.	B1782
50-Slide Box		
White	ea.	B1783
Red	ea.	B1784
Blue	ea.	B1785
100-Slide Box		
White	ea.	B1786
Red	ea.	B1787
Blue	ea.	B1788

Hinged Plastic Slide Box

A silicone coated, black polystyrene box for the storage of 76 x 26mm slides.

- 100 slide capacity or 200 back-to-back
- Index inside lid
- Plastic hinge and catch

Description	Qty.	Order Number
Hinged plastic slide box	ea.	E40/5

Plastic Slide Folders

Plastic slide folders available for the easy colour-coding of 76 x 26mm slides.

- 20 slide capacity
- Available in five colours
- Stackable with transparent cover

Description	Qty.	Order Number
Blue	10/cs.	B1001200BL
Green	10/cs.	B1001200GR
Grey	10/cs.	B1001200GY
White	10/cs.	B1001200WH
Yellow	10/cs.	B1001200YW

Postal Slide Boxes

A heavy-duty card box with cloth-covered edges to hold 76 x 26mm slides.

- Available in two sizes - 12 and 25
- Drop on lid and wooden rack

Description	Qty.	Order Number
Postal slide box		
12 slides	ea.	E36
25 slides	ea.	E37

Hinged Slide Box

A leatherette-covered card box to hold 76 x 26mm slides.

- Metal hinges and clasp
- Wooden rack and index in lid
- Capacity 100 slides

Description	Qty.	Order Number
Hinged slide box	ea.	E32/6

Slide Tray Box and 9-Slide Tray

A black, cloth-covered cardboard box to accept twelve E49 slide trays.

- Box has a fall-front and drop on lid
- Supplied complete with twelve E49 trays
- Trays hold nine 76 x 26mm slides

Physical specifications

Dimensions: (D x W x H): Box - 11.2 x 26.5 x 6.8cm; Tray - 23.5 x 7.8cm

Description	Qty.	Order Number
Slide tray box	ea.	E32
9-Slide Tray	ea.	E49

Plastic Slide Boxes

Moulded, high-impact polystyrene boxes to hold 76 x 26mm slides.

- Available in two sizes, 25 and 100
- Push-on lid with card index

Description	Qty.	Order Number
25 slides	ea.	E38
100 slides	ea.	E39

Slide Mailers

Plastic and cardboard mailers for 76 x 26mm slides.

- Plastic mailer with snap-top lid and grooves to hold five slides
- Cardboard mailer to hold two slides

Description	Qty.	Order Number
Plastic Slide Mailer (5 slides)	ea.	**E6/3**
Cardboard mailer (2 slides)	12/pk.	**3787**

Cardboard Slide Folders

Heavy-duty cardboard folders to hold 76 x 26mm slides.

- Available in three sizes - 20, 24 and 30

Description	Qty.	Order Number
20-slide folder	ea.	**E44**
24-slide folder	ea.	**E45**
30-slide folder	ea.	**1606**

Slide Tray Racks and Aluminium Slide Trays

Stainless steel slide tray racks to accept aluminium slide trays to hold 76 x 26mm slides.

- Racks allow the air to circulate over the slides
- Trays have raised ridges to separate the slides
- Two sizes available
- Both rack sizes hold up to 100 slides

Description	Capacity	Order Number
Slide tray rack	10 x E45/10	**E45/SR10**
Slide tray rack	5 x E45/10	**E45/SR5**
Slide tray (fits E45/SR10)	10 slides	**E45/10**
Slide tray (fits E45/SR5)	20 slides	**E45/20**

Thermo Scientific Cassettes

A range of high-quality cassettes available loose or in tubes

PrintMate Embedding Cassettes

- Pore style - round holes
- Used for routine specimens
- Supplied with or without white lids (not fitted)

Cassettes only	Colour	Cassettes only	Cassettes & Lids	Cassettes & Lids
Qty. 1000		Qty. 1500 (20 tubes x 75)	Qty. 1000	Qty. 3000 (40 tubes x 75)
A84210040		A84210010	A84210070	A84210100
A84210041		A84210011	A84210071	A84210101
A84210042		A84210012	A84210072	A84210102
A84210043		A84210013	A84210073	A84210103
A84210044		A84210014	A84210074	A84210104
A84210045		A84210015	A84210075	A84210105
A84210046		A84210016	A84210076	A84210106
A84210047		A84210017	A84210077	A84210107
A84210048		A84210018	A84210078	A84210108
A84210049		A84210019	A84210079	A84210109

Lid Type	Qty.	Order Number
Stainless Steel	25/pk.	1001003
White Plastic Disposable	1000/pk.	E10/LID

PrintMate Biopsy Cassettes

- Pore style - small squares
- Used for biopsy specimens
- Supplied with or without white lids (not fitted)

Cassettes only	Colour	Cassettes only	Cassettes & Lids	Cassettes & Lids
Qty. 1000		Qty. 1500 (20 tubes x 75)	Qty. 1000	Qty. 3000 (40 tubes x 75)
A84210050		A84210020	A84210080	A84210110
A84210051		A84210021	A84210081	A84210111
A84210052		A84210022	A84210082	A84210112
A84210053		A84210023	A84210083	A84210113
A84210054		A84210024	A84210084	A84210114
A84210055		A84210025	A84210085	A84210115
A84210056		A84210026	A84210086	A84210116
A84210057		A84210027	A84210087	A84210117
A84210058		A84210028	A84210088	A84210118
A84210059		A84210029	A84210089	A84210119

Lid Type	Qty.	Order Number
White Plastic Disposable - Biopsy	1000/pk.	E10/B/LID

PrintMate Slotted Cassettes

- Pore style - small slots
- Used for routine specimens
- Supplied with or without white lids (not fitted)

Cassettes only Qty. 1000	Colour	Cassettes only Qty. 1500 (20 tubes x 75)	Cassettes & Lids Qty. 1000	Cassettes & Lids Qty. 3000 (40 tubes x 75)
A84210060		A84210030	A84210090	A84210120
A84210061		A84210031	A84210091	A84210121
A84210062		A84210032	A84210092	A84210122
A84210063		A84210033	A84210093	A84210123
A84210064		A84210034	A84210094	A84210124
A84210065		A84210035	A84210095	A84210125
A84210066		A84210036	A84210096	A84210126
A84210067		A84210037	A84210097	A84210127
A84210068		A84210038	A84210098	A84210128
A84210069		A84210039	A84210099	A84210129

Lid Type	Qty.	Order Number
White Plastic Slotted Disposable - Slotted	1000/pk.	E10/S/LID

Thermo Scientific™ TissueLoc™ Biopsy Cassette (Cassette IV)

- Pore style - small squares
- Used for biopsy specimens
- Cassette supplied with separate same colour lid, with large tab for easy opening

Order Number (1000 Cassettes)	Colour	Order Number (10 tubes x 75)
58925		41760-T
58931		41751-T
58932		41753-T
58935		41757-T
58926		41758-T
58934		41759-T
58928		41754-T
58929		41755-T
58930		41750-T
58933		41752-T

Thermo Scientific TissueLoc Tissue Cassette (Cassette IV)

- Pore style - small slots
- Used for routine specimens
- Cassette supplied with separate same colour lid, with large tab for easy opening

Order Number (1000 Cassettes)	Colour	Order Number (10 tubes x 75)
58962		41730-T
58955		41721-T
58957		41723-T
58961		41727-T
58964		41728-T
58960		41729-T
58958		41724-T
58959		41725-T
58954		41720-T
58956		41722-T

Thermo Scientific™ HistoScreen™ Cassette

- Pore style - mesh
- Used for very small biopsy specimens
- Cassette supplied with separate same colour lid with large tab for easy opening

Order Number (1,000 Cassettes)	Colour	Order Number (10 tubes x 75)
C-1000-AQ		C-750-AQ
C-1000-BL		C-750-BL
C-1000-GR		C-750-GR
C-1000-GY		C-750-GY
C-1000-LI		C-750-LI
C-1000-OR		C-750-OR
C-1000-PK		C-750-PK
C-1000-TN		C-750-TN
C-1000-WH		C-750-WH
C-1000-YW		C-750-YW
C-1000-RD		C-750-RD

Thermo Scientific Slimsette Tissue Cassette

- Pore style - slots
- Used for biopsy specimens
- Cassette supplied with same colour lid (attached)

Colour	Order Number (10 tubes x 75)
	B1000736AQ
	B1000736BL
	B1000736GR
	B1000736GY
	B1000736LI
	B1000736OR
	B1000736PE
	B1000736PK
	B1000736TN
	B1000736WH
	B1000736YW

Thermo Scientific™ Slimsette™ Biopsy Cassette

- Pore style - small squares
- Used for biopsy specimens
- Cassette supplied with same colour lid (attatched)

Colour	Order Number (10 tubes x 75)
	B1000737AQ
	B1000737BL
	B1000737GR
	B1000737GY
	B1000737LI
	B1000737OR
	B1000737PE
	B1000737PK
	B1000737TN
	B1000737WH
	B1000737YW

Thermo Scientific Slimsette "Micromesh" Cassette

- Pore style - small holes (0.36mm)
- Used for biopsy specimens
- Cassette supplied with same colour lid (attatched)

Order Number (500 Cassettes)	Colour	Order Number (10 tubes x 75)
B1000735AQ		B1000734AQ
B1000735BL		B1000734BL
B1000735GR		B1000734GR
B1000735GY		B1000734GY
B1000735LI		B1000734LI
B1000735OR		B1000734OR
B1000735PE		B1000734PE
B1000735PK		B1000734PK
B1000735TN		B1000734TN
B1000735WH		B1000734WH
B1000735YW		B1000734YW

Thermo Scientific Standard Cassettes

Colour	Cassette I	Cassette I Biopsy	Cassette II		Cassette II Biopsy	
	(500 cassettes)	(500 cassettes)	(500 cassettes)	(10 tubes x 75)	(500 cassettes)	(10 tubes x 75)
	—	—	—	B1000729FYW	—	B1000730FYW
	1000958	1001090	1001060	B1000729PK	1001098	B1000730PK
	1000960	1000970	1001058	B1000729YW	1001100	B1000730YW
	1000961	1001091	1001057	B1000729BL	1001101	B1000730BL
	1000965	1001094	1001053	B1000729LI	1001105	B1000730LI
	1000967	1001096	1001051	B1000729AQ	1001107	B1000730AQ
	1000959	1000969	1001059	B1000729GR	1001099	B1000730GR
	1000962	1001092	1001056	B1000729PE	1001102	B1000730PE
	1000964	1000971	1001054	B1000729GY	1001104	B1000730GY
	—	—	—	B1000729FGR	—	B1000730FGR
	—		—	B1000729FPK	—	B1000730FPK
	1000957	1000968	1001061	B1000729WH	1001097	B1000730WH
	1000963	1001093	1001055	B1000729TN	1001103	B1000730TN
	1000966	1001095	1001052	B1000729OR	1001106	B1000730OR

Thermo Scientific Speciality Cassettes

Colour	MicroSette		SlimSette Biopsy	SlimSette	Embedding Rings	SuperMega Cassettes
	(1,000 cassettes)	(10 tubes x 75)	(10 tubes x 75)	(10 tubes x 75)	(250 per case)	(100 cassettes)
	B1000733PK	B1000731PK	B1000737PK	B1000736PK	1000953	E10SM/PINK
	B1000733YW	B1000731YW	B1000737YW	B1000736YW	1000955	E10SM/YELLOW
	B1000733BL	B1000731BL	B1000737BL	B1000736BL	1000956	E10SM/BLUE
	B1000733LI	B1000731LI	B1000737LI	B1000736LI	—	—
	B1000733AQ	B1000731AQ	B1000737AQ	B1000736AQ	—	—
	B1000733GR	B1000731GR	B1000737GR	B1000736GR	1000954	E10SM/GREEN
	B1000733PE	B1000731PE	B1000737PE	B1000736PE	—	—
	B1000733GY	B1000731GY	B1000737GY	B1000736GY	—	—
	B1000733WH	B1000731WH	B1000737WH	B1000736WH	1000952	E10SM/WHITE
	B1000733TN	B1000731TN	B1000737TN	B1000736TN	—	—
	B1000733OR	B1000731OR	B1000737OR	B1000736OR	—	—

Thermo Scientific Microscope Slides

Thermo Scientific™ Colorfrost™ Slides*

- Available in a wide variety of colours to ease identification
- Resistant to commonly used laboratory solvents
- 76 x 26mm, 1.0 to 1.2mm thick; ground edges

Description	Qty.	Order Number
White	1000/cs.	**6776206**
Blue	1000/cs.	**6776207**
Green	1000/cs.	**6776210**
Pink	1000/cs.	**6776213**
Yellow	1000/cs.	**6776208**
Burnt orange	1000/cs.	**6776209**
Lavender	1000/cs.	**6776205**
Tan	1000/cs.	**6776201**
Aqua	1000/cs.	**6776202**
Gold	1000/cs.	**6776203**
Strawberry red	1000/cs.	**6776204**

Thermo Scientific™ Colorfrost™ Plus Slides*

- Positively charged microscope slides improve cellular adhesion
- Electrostatically attract tissue sections and cytology preparations, binding them to the slide
- Eliminate the need for special adhesives or protein coatings

Description	Qty.	Order Number
White	144/pk.	**6776214**
White	1440/cs.	**6776214CS**
Blue	100/box	**9991001**
Yellow	100/box	**9991002**
Green	100/box	**9991003**
Pink	100/box	**9991004**
Lavender	100/box	**9991009**
Burnt orange	100/box	**9991011**
Tan	100/box	**9991012**
Aqua	100/box	**9991013**
Gold	100/box	**9991014**

Thermo Scientific™ Polysine™ Slides*

- Provide superior cell and tissue adhesion
- Polysine places an advanced permanent adhesive on the microscope slide
- Built-in chemicals electro-statically and chemically attract

Description	Qty.	Order Number
White	144/pk.	**6776215**
Blue	144/pk.	**6776216**
White	1440/pk.	**6776215CS**
Blue	1440/pk	**6776216CS**

Thermo Scientific Shandon Frosted Slides

- Made from the finest sheet glass
- Individually selected for uniform quality and tested for cleanliness
- Annealed to minimise breakage
- Standard slide measures 76 x 26mm
- Available with either single or double frosted ends

Edge	Thickness	Qty.	Order Number
Double frost			
Cut edge	1.0 - 1.2mm	1000/cs.	**6776112**
*Ground edge, 45°	0.8 - 1.0mm	1000/cs.	**6776104**
Ground edge, 90°	0.8 - 1.0mm	1000/cs.	**6776108**
Ground edge, 90°	1.0 - 1.2mm	1000/cs.	**6776109**
Single frost			
Ground edge, 90°	1.0 - 1.2mm	1000/cs.	**6776107**

* Indicates that slides are compatible with Thermo Scientific SlideMate

Plain Slides

- Made from the finest sheet glass
- Individually selected for uniform quality and tested for cleanliness
- Annealed to minimise breakage
- Standard slide measures 76 x 26mm

Edge	Thickness	Qty.	Order Number
Cut edge	0.8-1.0mm	1000/cs.	**6776106**
Ground edge, 90°	0.8-1.0mm	1000/cs.	**6776110**
Ground edge, 90°	1.0-1.2mm	1000/cs.	**6776111**

Multi-Spot Slides

- Wells are surrounded by a chemical and water-resistant PTFE coating
- Coating enables the slides to be washed several times for re-use

Description	Qty.	Order Number
6mm wells	100/box	**9991090**
9mm wells	100/box	**9991095**

Slide Preparation Excell Microscope Adhesion Slides

- Excell slides have a hydrophilic surface for superior wettability.
- Recommended tor automated staining procedures that require high pH antigen retrieval solutions
- 5 colours for easy identification
- Eliminate sticking and reduce waste

Description	Qty.	Case Size	Order Number
White	144/pk.	10 pks/cs	**4941**
Blue	144/pk.	10 pks/cs	**5941**
Green	144/pk.	10 pks/cs	**6941**
Pink	144/pk.	10 pks/cs	**7941**
Yellow	144/pk.	10 pks/cs	**8941**

Non-Standard Slides

Description	Qty	Order Number
Double frosted ends; 20mm		
Ground edge 90°, 39 x 76 x 1.0mm	100/pk.	**A67761142**
Ground edge 90°, 51 x 76 x 1.0mm	100/pk.	**A67761143**
Plain		
Ground edge 90°, 39 x 76 x 1.0mm	100/pk.	**A67761144**
Ground edge 90°, 51 x 76 x 1.0mm	100/pk.	**A67761145**
Double frosted ends; 5mm		
Ground edge 90°, 39 x 76 x 1.0mm	100/pk.	**A67761146**
Ground edge 90°, 51 x 76 x 1.0mm	100/pk.	**A67761147**
Superfrost Plus Adhesion, white frosted ends		
Ground edge 90°, 38 x 75 x 1.0mm	72/pk.	**A67761223**
Ground edge 90°, 51 x 75 x 1.0mm	72/pk.	**A67761224**
Superfrost, white		
Ground edge 45°, 26 x 76mm		**A67761225**
Slide Superfrost White K 1000		
Ground edge 90°	1000/pk.	**A67761226**
Superfrost Ultra Plus		
Ground edge 90 degree, 25 x 75 x 1.0 mm	72/pk.	**A6776220**

Thermo Scientific Fixation Products

Neutral Buffered Formalin (10%)

NBF is a fixative that reduces exposure to toxic fumes. It is available premixed or as a concentrate which reduces storage space and contact with formaldehyde.

One part of concentrate to four parts of distilled or deionized water ensures results consistent with those of the premixed 10% NBF.

- 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

Description	Size	Qty.	Order Number
Concentrated			
Bottle	3.8L	4/cs.	**5700**
Premixed			
Bottle	3.8L	4/cs.	**5701**
Cubitainer	18.9L	ea.	**5705**
Cubitainer	9.5L	ea.	**5725**

Zinc Formalin, Buffered

For use in immunohistochemistry techniques to enhance nuclear detail.

- Easy-to-pour bottle helps reduce spills

Description	Size	Qty.	Order Number
Bottle	3.8L	4/cs.	**5701ZF**
Cubitainer	18.9L	ea.	**5705ZF**

Thermo Scientific™ Cal-Rite™

A mixture of formic acid and formaldehyde allows simultaneous decalcification and fixation.

- Eliminates poor Haematoxylin and eosin staining caused by over-decalcification and/or exposure to harsh mineral acids
- Conventional iron staining also benefits from the properties of this product
- Even after prolonged exposure of specimens in Cal-Rite, nuclear chromatin staining is well preserved and not distorted

Description	Size	Qty.	Order Number
Bottle	3.8L	ea.	**5501**

Thermo Scientific™ Signature Series™ Pen-Fix™

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	3.8L	4/cs.	**6101**

Bouin's Fluid

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	3.8L	ea.	**57211**

Thermo Scientific™ Vytac™

Simple, safe and economical disposal system for 10% buffered or unbuffered formalin, including zinc formalin.

- Eliminates the need for expensive waste hauling and onsite permits
- Solution breaks down formalin into inert components and, when used as directed, neutralizes more than 99% of the waste formalin collected
- One part Vytac solution neutralise four parts formalin waste

Starter Kit includes:

Vytac (3.8L), reservoir with lid, measuring cup, and plastic stir rod

Description	Size	Qty.	Order Number
Vytac	3.8L	4/cs.	**5401**
Vytac	18.9L	ea.	**5405**

Thermo Scientific™ HistoGel™

Encapsulates and retains the entire specimen during histological processing regardless of a specimen's small, friable, or viscous nature.

- Chemical reagents penetrate specimen without allowing specimen to escape from gel
- Patented formulation outperforms other agarose gel mixtures or thromboplastin at a fraction of the cost
- Does not retain histological stains
- Eliminates unwanted discolouration around specimens on slides
- Virtually unnoticeable during sectioning
- Will not "pop out" of the paraffin block during cutting

Starter Kit includes:

Twelve 10ml HistoGel vials, two Thermo Scientific WonderBlock cooling blocks, dry bath incubator (240V), and disposable pipettes (500)

Description	Size	Qty.	Order Number
HistoGel vial	10ml	12/cs.	**HG-4000-012**
HistoGel vial	10ml	144/cs.	**HG-4000-144**
Pipettes kit			**PP-4030-500E**
Starter kit (120V)			**HGSK-2050-1**
Starter kit (240V)			**HGSK-2050-2**

Thermo Scientific™ Rapid-Fixx™ Formalin

Excellent for antigenic preservation, Rapid-Fixx avoids the need for enzyme digestion and rapidly penetrates into tissue. Used in Thermo Scientific Rapid-Chrome Frozen Section Stain Kit (9990001) for fixing slides from frozen sections.

Description	Qty.	Order Number
1L	2/cs.	**6764212**

Thermo Scientific™ Formal-Fixx™
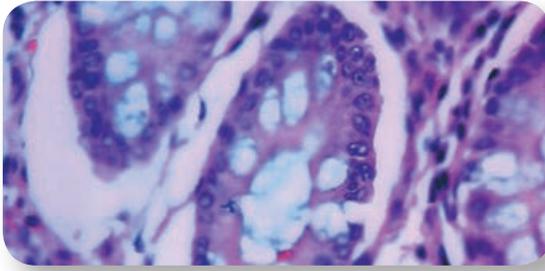
Produces consistent results and extends the life of the rotary valve in tissue processors.

- 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 premixed, 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.

Size	Qty.	Order Number
Ready-to-use		
5L bottle	4/cs.	**6764215**
19L cubitainer with tap	ea.	**6764240**
10L cubitainer with tap	2/cs.	**9990234**
Pre-filled Containers		
20ml containers, filled to 10ml	180/cs.	**9990910**
60ml containers, filled to 30ml	125/cs.	**9990914**
90ml containers, filled to 45ml	125/cs.	**9990916**
120ml containers, filled to 60ml	125/cs.	**9990918**
Concentrate		
3.8L (makes 19L)	ea.	**6764254**
1L (makes 5L)	2/cs.	**9990244**

Thermo Scientific™ Glyo-Fixx™

A non-carcinogenic, non-sensitising and environmentally friendly substitute for formalin. The active ingredient, glyoxal, is a di-aldehyde, which has almost no vapour 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	Qty.	Order Number
Ready-to-use		
3.8L	ea.	**6764262**
19L cubitainer with tap	ea.	**6764260**
Pre-filled Containers		
20ml containers, filled to 10ml	180/cs.	**9990920**
60ml containers, filled to 30ml	125/cs.	**9990924**
120ml containers, filled to 60ml	125/cs.	**9990928**
Concentrate		
3.8L (makes 19L)	ea.	**6764265**

Thermo Scientific Zinc Formal-Fixx

This is a fixative of choice to enhance H&E's and special stains.

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

Description	Qty.	Order Number
Ready-to-use		
19L	ea.	**6764250**
Concentrate (5x)		
1L (makes 5L)	2/cs.	**9990245**
3.8L (makes 19L)	ea.	**6764255**

Thermo Scientific Dehydrants

Thermo Scientific™ Signature Series™ Flex™ 100, 95, 80

This range provides complete dehydration and brilliant cytoplasmic staining.

- Patented formulation of methyl and isopropyl alcohol
- Minimises over-dehydration in smaller biopsies
- Excellent for lipid extraction, allowing for increased paraffin infiltration
- May be used as a solvent for special stains

Description	Size	Qty.	Order Number
Flex 100	3.8L	4/cs.	**8101**
Flex 95	3.8L	4/cs.	**8201**
Flex 80	3.8L	4/cs.	**8301R**

Dehydrant 100, 95, 80, 70

Denatured ethyl alcohol reagents 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
- Miscible with all clearing agents

Description	Size	Qty.	Order Number
100%	3.8L	4/cs.	**6201**
95%	3.8L	4/cs.	**6301**
80%	3.8L	4/cs.	**6401**
70%	3.8L	4/cs.	**6501**

Thermo Scientific Clearing Agents

Thermo Scientific™ Signature Series™ Clear-Rite™ 3

A unique blend of isoparaffinic aliphatic hydrocarbons for tissue processing and staining.

- Excellent lipid extraction during tissue processing
- Renders complete deparaffinisation 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 odour

Description	Size	Qty.	Order Number
Bottle	3.8L	4/cs.	**6901**

Citrus Clearing Solvent

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	3.8L	4/cs.	**8301**

Thermo Scientific™ Histoclear™ and Histoclear II

Superior non-toxic clearing agents which lead to the production of high quality tissue slides.

- Biodegradable

Description	Size	Qty.	Order Number
Histoclear	3.8L	ea.	**C78-G**
Histoclear II (reduced citrus odour)	3.8L	ea.	**C78/2-G**

Thermo Scientific Processing Reagents

Made to bring out the best in your Thermo Scientific equipment

Xylene

A clearing agent for processing, staining, and coverslipping.

Description	Qty.	Order Number
4L	ea.	**9990501**

Xylene Substitute

A safer, more convenient alternative to xylene for processing, staining and coverslipping.

- Airborne exposure limit three times safer than xylene (TLV 300ppm)
- Virtually odourless aliphatic hydrocarbon - no citrus aroma
- Not sensitising to normal skin
- Evaporation rate similar to xylene - slides dry quickly
- Greaseless
- Can be recycled with solvent recyclers

Description	Qty.	Order Number
4L	ea.	**9990505**
4L	4/cs.	**6764506**
5L	4/cs.	**6764515**
19L	ea.	**9990507**

Reagent Alcohol

Use in place of absolute (100%) ethanol for most pathology procedures, including staining sequences.

- Filtered quality reagent consists of 90% absolute ethanol, 5% methanol, 5% isopropanol

Description	Qty.	Order Number
3.8L	ea.	**9990520**

Decalcifying Solution

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	0.94L	6/cs.	**8340**
Cube	3.8L	4/cs.	**8340-1**

Thermo Scientific™ TBD-1™ Decalcifier

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
- Permits use of routine end point tests, such as calcium oxalate
- Added ingredients protect cells from actions of acids

Size	Qty.	Order Number
1L	2/cs.	**6764001**
1L	4/cs.	**6764002**

Thermo Scientific™ TBD-2™ Decalcifier

A formic acid decalcifier for gentler, longer-term processing.

- Go up to 48 hours past end point without damaging specimens
- Permits use of routine end point tests, such as calcium oxalate
- Added ingredients protect cells from actions of acids

Size	Qty	Order Number
1L	2/cs.	**6764003**
1L	4/cs.	**6764004**

Thermo Scientific Paraffin

Paraffin Selection Matrix

Description	Additives	Melting Point	Type	Use
Paraffin Type 9	Plastic Polymers	55 - 57°C	Flake	Infiltration/Embedding
Signature Series Type H	Plastic Polymers	55 - 57°C	Flake	Infiltration/Embedding
VA5	Plastic Polymers	58 - 60°C	Pellet	Embedding only
Histoplast LP	Plastic Polymers	50 - 54°C	Pellet	Infiltration/Embedding
Histoplast IM	Plastic Polymers & DMSO	56 - 57°C	Pellet	Infiltration/Embedding
Histoplast PE	Plastic Polymers	56 - 57°C	Pellet	Infiltration/Embedding
Paraffin Type 6	Microcrystalline Wax	55 - 57°C	Flake	Infiltration/Embedding
Paraffin Type 3	Plastic Polymers	55 - 57°C	Flake	Infiltration/Embedding
Signature Series Type L	Plastic Polymers	55 - 57°C	Flake	Infiltration/Embedding
LambWax	Plastic Polymers	57 - 58°C	Pellet	Infiltration/Embedding
Shandon Histoplast	None	56 - 57°C	Pellet	Infiltration/Embedding
Paraffin Type 1	None	55 - 57°C	Flake	Infiltration only

FASTER INFILTRATION

THINNER SECTIONS

Histoplast
Type 1
Type L
LambWax
Type 3
Histoplast PE
Type 6
Type H
Histoplast LP
Type 9
VA5

Note: *HistoPlast IM offers both fast infiltration and thinner sections*

Thermo
SCIENTIFIC

Histoplast PE

REF 8330
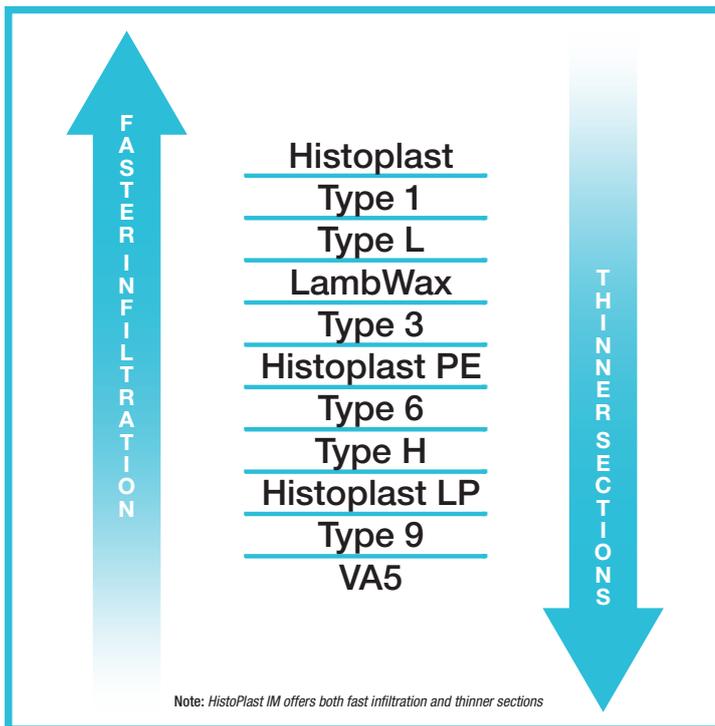
Thermo Scientific™ Shandon™ Histoplast™

High quality paraffin without polymers, for embedding and general laboratory use.

Description	Size	Qty.	Order Number
Histoplast	2.5kg	ea.	**6774006**
Histoplast	10kg	ea.	**6774060**

Thermo Scientific Signature Series Paraffin

Unique blend of polymers and highly refined paraffin with narrow carbon chain distribution that minimises compression and offers rapid infiltration.

- Type H allows for extremely thin sections, while Type L may reduce infiltration times during processing
- Packaged in easy-to-open, resealable bags

Description	Size	Qty.	Order Number
Type H, high polymer	0.9kg	10/cs.	**8338**
Type L, low polymer	0.9kg	10/cs.	**8339**

Thermo Scientific Histoplast PE, IM, LP

Developed to meet the demanding and versatile needs of the laboratory.

- Delivers excellent processing and yields thin, flat, wrinkle-free sections
- Packaged in easy-to-open, resealable bags
- Histoplast LP has a lower melting point to protect sensitive tissues

Description	Size	Qty.	Order Number
Histoplast PE	2.4kg	4/cs.	**8330E**
Histoplast IM	2.4kg	4/cs.	**8331E**
Histoplast LP	2.4kg	4/cs.	**8332E**

Thermo Scientific™ LambWax™

The Raymond A Lamb formulation LambWax is a high quality paraffin wax with added polymers.

Description	Size	Qty.	Order Number
LambWax	10kg	ea.	**W1**

Paraffin Type 1, 3, 6, 9

Four different blends of highly refined paraffin and polymers offer a choice of infiltration times and cutting characteristics to meet various needs.

- All paraffins are triple filtered to 0.5μm
- Flake form has a greater surface-to-weight ratio than pellets, resulting in a faster melting time
- Type 1 contains no polymer and offers rapid infiltration
- Type 3 contains minimal polymer and offers fast infiltration
- Type 6 contains no polymers, instead it is blended with microcrystalline wax to allow for thinner sections
- Type 9 has the highest polymer content available and yields extremely thin sections
- Packaged in convenient, easy-to-open, resealable bags

Description	Size	Qty.	Order Number
Type 1	0.9kg	10/cs.	**8334**
Type 3	0.9kg	10/cs.	**8335**
Type 6	0.9kg	10/cs.	**8336**
Type 9	0.9kg	10/cs.	**8337**

VA5

The Raymond A Lamb formulation VA5 provides a hard white wax of amorphous plastic structure.

Applications

- Particularly hard or fibrous routine tissue may be cut more easily if, after processing in LambWax in the usual manner, the tissue is then vacuum embedded and blocked out in VA5
- Freeze-dried tissues (where enzyme histochemistry is not required) and particularly tissues that have been vapour fixed after freeze-drying
- Bone sectioning either undecalcified (Sellotape or Tripp and Mackay techniques) or decalcified (e.g. trephine biopsies)

Description	Size	Qty.	Order Number
VA5	10kg	ea.	**W11/4**

Thermo Scientific Moulds and Sprays

Disposable Base Moulds

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

Description	Size	Qty.	Order Number
7 x 7mm moulds	125/box	4/cs.	41740
15 x 15mm moulds	125/box	4/cs.	41741
24 x 24mm moulds	125/box	4/cs.	41742
30 x 24mm moulds	125/box	4/cs.	41743
37 x 24mm moulds	125/box	4/cs.	41744

Stainless Steel Base Moulds

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

Description	Qty.	Order Number
10 x 10 x 5mm	10/pk.	6401015
24 x 24 x 5mm	10/pk.	6401016
30 x 24 x 9mm	10/pk.	6401017
37 x 24 x 9mm	10/pk.	6401018

Super Mega Stainless Steel Base Moulds

Description	Qty.	Order number
36 x 36 x 10mm	5/pk.	E10/M7
60 x 45 x 15mm	5/pk.	E10/M8

Thermo Scientific™ Para-Release™ Spray

Apply this spray releasing agent to moulds before adding paraffin for clean release of block.

Description	Qty.	Order Number
50ml	6/cs.	9990420

Thermo Scientific™ ParaPel™

ParaPel protects against excess build-up of wax on countertops and instrumentation.

- Reduces daily cleaning times
- Low odour
- Will not remove finishes from surfaces or leave behind oily residue

Description	Qty.	Order Number
118ml	6/cs.	2300

Thermo Scientific™ Peel-A-Way™ Disposable Embedding Moulds

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

Description	Qty.	Order Number
12 x 12 x 20mm	288/cs.	1220
22 x 22 x 20mm	288/cs.	2219
30 x 22 x 20mm	288/cs.	1830
40 x 22 x 20mm	264/cs.	1841

Thermo Scientific Biopsy Bags

These high quality biopsy bags allow unrestricted fluid movement around tissue.

- Three types of biopsy bag available - original white nylon, white acid resistant and blue nylon bag
- The blue bag offers improved visibility of specimens and superior fluid exchange
- Reduce risk of small specimen loss
- Reduce reagent carry-over and pressure artefact often found with sponges
- Peel-open bag conveniently exposes specimen for rapid removal
- Acid resistant biopsy bags feature all the benefits of nylon biopsy bags, plus offer acid-resistance for decalcification

Physical Specifications

Small: 31 x 43mm

Medium: 45 x 65mm

Large: 75 x 85mm

Description	Qty.	Order Number
Blue nylon biopsy bag, monofilament, hydrophillic coated		
Medium	1000/cs.	**6774009**
Small	1000/cs.	**6774010**
Large	500/cs.	**6774011**
Medium	200/cs.	**6774012**
Medium	500/cs.	**6774013**
Small	200/cs.	**6774014**
Small	500/cs.	**6774015**
White nylon biopsy bag, woven		
Medium	1000/cs.	**6774019**
Small	1000/cs.	**6774022**
Large	500/cs.	**6774024**
Medium	200/cs.	**6774017**
Medium	500/cs.	**6774018**
Small	200/cs.	**6774020**
Small	500/cs.	**6774021**
White acid resistant bag, woven		
Medium	250/cs.	**6774050**
Small	250/cs.	**6774051**
Large	250/cs.	**6774052**
Medium	1000/cs.	**6774053**
Small	1000/cs.	**6774054**

Cellsafe+™

Cellsafe+ offers a high security easy-to-use alternative to traditional, more time consuming handling techniques such as wrapping tissue in paper. It consists of two hinged interlocking frames with an extra fine 200µm mesh.

- Fits in any standard processing cassette for processing in the normal way
- Tissue can be removed with greater ease
- Hinge can be closed in either direction to encapsulate the tissue
- Available in white and blue - blue can offer better contrast

Description	Qty.	Order Number
White	100/pk.	E10/87
Blue	100/pk.	E10/87/B

Cellsafe+ is a registered trademark of Cellpath Plc.

Cassette Insert Paper

This high quality Whatman cellulose paper is supplied cut to the size of a standard processing cassette chamber.

- Biopsy material is placed between two sheets in the cassette and can be processed in the normal way

Size	Qty.	Order Number
26 x 31mm	1000/pk.	E10/7

Sponges

These foam sponges help to protect small biopsies from overprocessing.

- Blue sponges available as rectangles or circles

Description	Qty.	Order Number
Rectangular; 25 x 31mm	1000/pk.	E10/75/BLUE
Rectangular; 25 x 31mm	100/pk.	8453

Thermo Scientific Disposable Blades

High and low profile configurations for virtually any application

Blade Type	Low Profile Blades				High Profile Blades	
Description	MX35 Ultra	MX35 Premier +	MX35 Premier	MB22 Premier	HP35 Ultra	HP35
Order Number	3053835	3052835	3051835	3050822	3153735	3150734
Edge Angle	34°	34°	34°	22°	34°	34°
Soft Tissue	✓✓	✓	✓	✓	✓✓	✓
Hard Tissue	✓✓	✓✓			✓✓	
Cryostat	✓✓	✓	✓	✓✓	✓✓	
Thin Sectioning	✓✓	✓	✓	✓✓	✓✓	✓✓
Biopsies & Recuts	✓✓	✓	✓✓		✓✓	

Disposable Blade Matrix Key: ✓ - Good;   ✓ ✓ - Best

Low Profile Blades

Thermo Scientific™ MX35 Ultra™

These blades use a proprietary steel hardening technology (Pink Technology)that delivers unbeatable longevity and instantaneous ribboning.

- Blade angle is 34°

Description	Order Number
MX35 Ultra	3053835

Thermo Scientific™ MX35 Premier +™

These blades are the best for routine histology as they are designed extra sharp with an extended cutting life.

- Blade angle is 34°

Description	Order Number
MX35 Premier +	3052835

Thermo Scientific™ MX35 Premier™

A routine histology blade good for a variety of tissue types.

- Blade angle is 34°

Description	Order Number
MX35 Premier	3051835

Thermo Scientific™ MB35 Premier™

Well suited for routine sectioning

- Blade angle is 34°

Description	Order Number
MB35 Premier	3050835

Thermo Scientific™ MB22 Premier™

The MB22's steeper angle allows users to accurately cut thinner sections faster.

- Blade angle is 22°

Description	Order Number
MB22 Premier	3050822

High Profile Blades

Thermo Scientific™ HP35 Ultra™

Revolutionary high-profile blade that delivers unbeatable longevity and instantaneous ribboning.

- Blade angle is 34°

Description	Order Number
HP35 Ultra	3153735

Thermo Scientific™ HP35™

Coated blade allows for reliable and thin sectioning.

- Blade angle is 34°

Description	Order Number
HP35	3150734

Thermo Scientific™ HP35n Ultra™

- Blade angle is 34°

Description	Order Number
HP35n	3151735

Thermo Scientific Dissection Scalpels and Blades

- Properly hardened, tempered and passivated
- Electronically polished and cleaned for a high quality finish
- Patterns, dimensions and finish held to exacting standards

Heavy-Duty Scalpel

- Standard belly blade

Blade	Size	Qty.	Order Number
50 x 13mm	18.0cm	ea.	745

Stainless Steel Scalpel Blade Handle

- Stainless steel, No.4

Description	Size	Qty.	Order Number
Holds No. 20-25 Blades	21.6cm	ea.	5334

Nickel-Plated Scalpel Blade Handle

- Rustless, nickel-plated steel, No.4

Description	Size	Qty.	Order Number
Holds No. 20-25 Blades	15.9cm	ea.	53410

Blade Removal Instrument

Description	Qty.	Order Number
Stainless steel	ea.	535

Plated Scalpel Blade Handle

- Plated, No.4

Description	Size	Qty.	Order Number
Holds No. 20-25 Blades	14.0cm	ea.	5324

Plastic Scalpel Blade Handle

- Red plastic, No.6
- Autoclavable

Description	Size	Qty.	Order Number
Holds No. 20-25 Blades	13.3cm	ea.	3120027

Sterile Scalpel Blade, No. 11

Size	Qty.	Order Number
40mm	100/pk.	3120030

Sterile Scalpel Blade, No. 21

Size	Qty.	Order Number
51mm	100/pk.	53221

Disposable Autopsy Knives

These knives are available in 5 sizes to allow the user to select the optimum size of knife for the application.

- High-quality stainless steel, double-honed blades
- 120mm long, moulded handle with finger guard for safety
- Box doubles as a tissue cassette archive with a capacity of approx. 250 standard blocks

Description	Use	Qty.	Order Number
100mm blade	Cartilage	10/pk.	E18/37/4
150mm blade	Trimming	10/pk.	E18/37/6
200mm blade	Macro	10/pk.	E18/37/8
250mm blade	Lung	10/pk.	E18/37/10
300mm blade	Brain	10/pk.	E18/37/12

Fine Cutting Tool

These tools are designed to assist with consistency in grossing - the user can choose whether to gross their specimens at 3, 4 or 5mm thickness.

- Easy to clean, chemical resistant, and autoclavable

Includes

Allen wrench and sample pack of Thermo Scientific™ Edge-Rite™ disposable blades.

Description	Qty.	Order Number
Fine Cutting Tool Kit, 3mm	ea.	9813
Fine Cutting Tool Kit, 4mm	ea.	9814
Fine Cutting Tool Kit, 5mm	ea.	9815
Edge-Rite disposable blades	50/pk.	4275H

Consumables

Post Mortem Board Table

- A low-level stainless steel post mortem table which includes the E7/7 board
- The board sits at a slight incline to aid drainage away from the user
- Rubber feet to prevent movement
- Removable perforated tray for drainage
- Tool storage area

Description	Qty.	Order Number
Post Mortem Board Table	ea.	E7/7T

Post Mortem Board

- A solid block of rubber/clay compound
- Impervious to fluids making them very hygenic to use
- Density and hardness optimises the life of both the board and knives
- Textured surface to prevent specimens from slipping
- Buff colour provides excellent contrast, particularly for biopsy material

Description	Qty.	Order Number
Post Mortem Board	ea.	E7/7

Cork Boards

- Resin bonded cork dissecting boards

Description	Qty.	Order Number
305 x 305 x 20 mm	ea.	E7/3
450 x 305 x 20 mm	ea.	E7/4
450 x 450 x 20 mm	ea.	E7/5

Cork Sheets

- Resin bonded cork sheets for specimen preparation

Description	Qty.	Order Number
305 x 305 x 1.6 mm	6/pk.	E7/28

Cork Disks

- Cork disks for cryostat use

Description	Qty.	Order Number
20 mm diameter x 3mm thick	100/pk.	E7/15/CD

Disposable Dissecting Boards

- Designed to increase safety and hygene in high-risk areas as well as routine cutting areas
- Made from foam-filled board to help protect surfaces

Description	Qty.	Order Number
297 x 420 x 5mm	10/pk.	E7/35

Disposable Dissecting Pins

- Pin mounted in plastic head with indicator label

Description	Qty.	Order Number
12 mm	10/box	E9/1

Thermo Scientific Complete Staining Assemblies

Complete Staining Assembly 100

- Complete Assembly 100 includes rack/handle (No. 109), dish (No. 102) and cover (No. 101)
- Staining Rack 109 is made from stainless steel and holds up to 19 slides; maximum slide size is 75 x 50mm
- Staining Dish 102 is made from non autoclavable glass with inside dimensions of 90 x 70 x 65mm
- Staining dish holds up to 250ml of solution with a fully loaded staining rack
- Staining Dish Cover 101 is made from stainless steel

Description	Qty.	Order Number
Complete Assembly 100	ea.	**100**
Staining rack	ea.	**109**
Staining dish	ea.	**102**
Staining dish cover	ea.	**101**

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 75 x 50mm
- Staining Dish 112 is made from stainless steel with inside dimensions of 110 x 85 x 75mm
- Staining dish holds up to 350ml of solution with a fully loaded staining rack
- Staining Dish Cover 111 is made from stainless steel

Description	Qty.	Order Number
Complete Assembly 110	ea.	**110**
Staining rack	ea.	**113**
Staining dish	ea.	**112**
Staining dish cover	ea.	**111**

Complete Staining Assembly 117

- Complete Assembly 117 includes rack/handle (No. 120), dish (No. 119) and cover (No. 118)
- Staining Rack 120 is made from stainless steel and holds up to 60 slides; maximum slide size is 75 x 50mm
- Staining Dish 119 is made from stainless steel with inside dimensions of 202 x 85 x 75mm
- Staining dish holds up to 750ml of solution with a fully loaded staining rack
- Staining Dish Cover 118 is made from stainless steel

Description	Qty.	Order Number
Complete Assembly 117	ea.	**117**
Staining rack	ea.	**120**
Staining dish	ea.	**119**
Staining dish cover	ea.	**118**

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 75 x 50mm
- Staining Dish 122 is made from non autoclavable glass with inside dimensions of 110 x 92 x 67mm
- Staining dish holds up to 350ml of solution with a fully loaded staining rack
- Staining Dish Cover 123 is made from stainless steel

Description	Qty.	Order Number
Complete Assembly 121	ea.	**121**
Staining rack	ea.	**113**
Staining dish	ea.	**122**
Staining dish cover	ea.	**123**

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 75 x 50mm
- Staining Dish 131 is made from non autoclavable glass with inside dimensions of 202 x 112 x 72mm
- Staining dish holds up to 750ml of solution with a fully loaded staining rack
- Staining Dish Cover 132 is made from stainless steel

Description	Qty.	Order Number
Complete Assembly 130	ea.	**130**
Staining rack	ea.	**120**
Staining dish	ea.	**131**
Staining dish cover	ea.	**132**

Plastic Staining Dish, Cover and Rack

- Staining Rack 196 is made from polyoxymethylene plastic and holds up to 25 slides; maximum slide size is 75 x 50mm
- Swing-down rack handle folds flat and does not detach
- Staining Dish 195 is made from microwavable (up to 5 min.) plastic with internal dimensions of 94 x 81 x 49mm; plastic lid is included with dish
- Staining dish holds up to 250ml of solution with a fully loaded staining rack
- Polyoxymethylene plastic withstands temperatures from -40° to +90°C

Ordering Information

Rack and dish with cover are sold separately. Not available as a complete assembly.
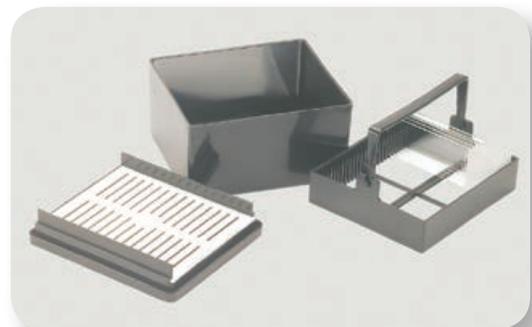
Description	Qty.	Order Number
Plastic staining dish and cover	ea.	**195**
Plastic staining rack	ea.	**196**

Small Glass Trough with Glass Lid
- Moulded glass trough with a drop-on glass lid

Accommodates the following racks:
- Glass Rack
  - Wire lifters available
  - Takes 76mm slides up to 40mm wide
- Stainless Steel Swing Handle Rack
  - Takes 76mm slides up to 40mm wide
- Coverslip Staining Rack
  - Takes 22 x 22mm coverslips

Description	Capacity	Order Number
Small Glass Trough with Glass Lid	165ml	**E106**
Glass Rack	10 slides (20 back to back)	**E98**
Wire Lifters for Glass Rack	N/A	**E97/5**
S. S Swing Handle Rack	12 slides	**E100**
Coverslip Staining Rack	25 coverslips	**E103**

Large Glass Trough with Glass Lid
- Moulded glass trough with a drop-on glass lid

Accommodates the following racks:
- Stainless Steel Swing Handle Rack
  - Takes 76mm slides up to 40mm wide

Description	Capacity	Order Number
Large Glass Trough with Glass Lid	240ml	**E105**
S.S Swing Handle Rack	25 slides	**E102**

Small Glass Trough with Stainless Steel Lid
- Moulded glass trough with flat ground lip and drop-on stainless steel lid with handle

Accommodates the following racks:
- Stainless Steel Fixed Handle Rack
  - Takes 76mm slides up to 50mm wide
- Stainless Steel Vertical Slide Rack
  - Takes 76 x 26mm slides

Description	Capacity	Order Number
Small Glass Trough with Stainless Steel Lid	230ml	**E106/7**
S.S Fixed Handle Rack	24 slides	**E102/5**
Vertical Slide Rack	48 slides	**E102/6**

Large Glass Trough with Stainless Steel Lid

- Moulded glass trough with flat ground lip and drop-on stainless steel lid with handle

Accommodates the following racks:

- Stainless Steel Fixed Handle Rack
  - ▸ Takes 76mm slides up to 50mm wide (2 x E102/5)
- Stainless Steel Vertical Slide Rack
  - ▸ Takes 76 x 26mm slides (takes 2 x E102/6)

Description	Capacity	Order Number
Large Glass Trough with Stainless Steel Lid	500 ml	**E106/9**
S.S Fixed Handle Rack	55 slides	**E102/25**
S.S Fixed Handle Rack	24 slides	**E102/5**
S.S Vertical Slide Rack	48 slides	**E102/6**

Polyacetal Troughs

- Moulded black polyacetal trough with close fitting lid
- Polyacetal can be used with alcohol and xylene but not phenol

Accommodates the following racks:

- Polyacetal Rack
  - ▸ Takes 76 x 26mm slides

Description	Capacity	Order Number
Polyacetal Troughs	170 ml	**E107**
Polyacetal Rack	25 slides	**E99**

Thermo Scientific Laboratory Marker Pens

- These permanent, non-toxic pens write on plastic tissue cassettes, painted or frosted-end microscope slides, ceramics, vinyl, porcelain, metal and Mylar®.
- Ink dries quickly, will not run or smear and resists alcohol and xylene
- Fine point gives a thin, easy-to-read line

Description	Qty.	Order Number
Secureline Marker II, Black	ea.	**1451**

Artline Markers

- These permanent, xylene-free, black marker pens will write on almost any surface including glass, porcelain, plastic, metal and rubber.

Description	Order Number
Artline 70 - 1.5mm Bullet Tip	**E22/01/A70/B**
Artline 250 - 0.4mm Tip	**E22/01/A250/B**
Artline 700 - 0.7mm Tip	**E22/01/A700/B**

Slide Labels

Description	Qty.	Order Number
Slide Labels	1000/pk.	**E30/1**

Specimen Buckets

Description	Order Number
0.5 L	**E89/11**
1 L	**E89/12**
2.5 L	**E89/13**
5 L	**E89/14**
10 L	**E89/16**

Thermo Scientific Slide Racks

Vertical Slide Staining Rack

- A stainless steel rack with grooves to hold 76 x 26mm slides.

Capacity	Qty.	Order Number
38 slides (76 x 26mm)	ea.	**143**
60 slides (76 x 26mm)	ea.	**E89**

Slide Holder

- This stainless steel holder can be used with the Frozen Staining Kit Glass Beakers (see page 118).
- Individually stamped slots

Capacity	Qty.	Order Number
10 slides (76 x 26mm)	ea.	**147**

Plastic Slide Grip

- A moulded plastic slide holder that can withstand chemicals used in staining, including special stains and metals.
- Can be used in temperatures up to 80°C

Capacity	Qty.	Order Number
5 slides (76 x 26mm)	ea.	**1795**

Angus-Ranieri™ Slide Rack

- Dimensions (D x W x H): 29.2 x 64.8 x 7.6cm

Capacity	Qty.	Order Number
40 slides (76 x 26mm)	ea.	**9991010**

Perspex Slide Rack
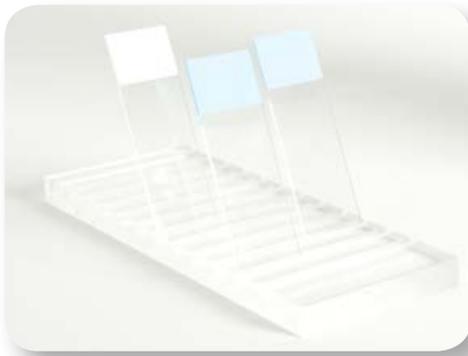
- Perspex plate with twelve transverse grooves to take microscope slides of various sizes.
- Dimensions 162 x 64mm

Capacity	Qty.	Order Number
24 slides (76 x 26mm)	ea.	**E89/055**

Immuno Slide Staining Trays

- Developed for routine reagent techniques requiring a humid chamber, this tray allows simple, safe manipulation of slides (76 x 26mm) using only one hand.
- Made of stainless steel with a removable slide support
- Slide support can be tilted to allow buffer or reagent to run-off
- Clear perspex inner cover allows visual examination during staining
- Extra stainless steel cover prevents reagent evaporation

Physical Specification

- Dimensions (D x W x H): 350 x 255 x 35mm (with lid)

Capacity	Qty.	Order Number
24 slides	ea.	**E103/3**

Staining Rack Ends and Rods
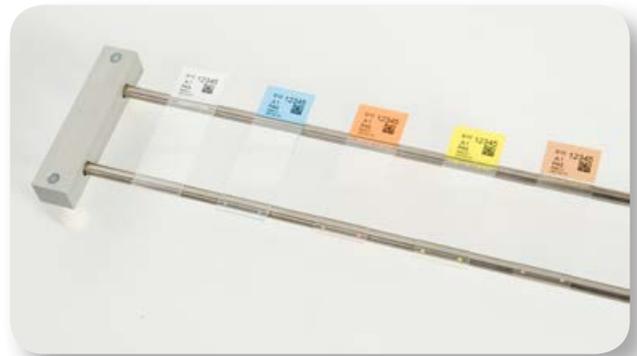
- These rack ends and rods are an ideal assembly for staining 76mm slides over a sink.
- Rack ends are made from chrome-plated brass, have levelling feet and are supplied in pairs
- Rods are made from 6mm diameter stainless steel and are supplied in 2 x 60cm lengths

Capacity	Qty.	Order Number
Staining rack ends and rods	ea.	**A82610024**

Coverslip Staining Racks

- These racks securely hold 22mm or 24mm coverslips.
- Available in three 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 102 x 28 x 30mm

Description	Qty.	Order Number
5 coverslip rack	ea.	**116**
25 coverslip rack	ea.	**E103**
30 coverslip rack	ea.	**114**

Thermo Scientific Staining Jars

Coplin Staining Jar

- A heavy, clear glass jar with internal grooves.
- Holds 10 slides (76 x 26mm) back-to-back
- Includes a glass drop-on lid or a plastic screw-on cap

Description	Qty.	Order Number
Drop-on lid	ea.	E94
Screw-on lid	ea.	107

Hellendahl Jar

- A moulded, clear glass jar with internal grooves.
- Holds 16 slides back-to-back
- Includes flanged, clear glass cover
- Wide-mouthed for easy slide handling

Description	Qty.	Order Number
Hellendahl jar	ea.	E95

Schieferdecker Jar

- A heavy, clear glass jar with internal grooves.
- Holds 20 slides back-to-back (horizontal orientation)
- Heavy, clear glass jar with internal grooves
- Includes flanged, clear glass cover

Description	Qty.	Order Number
Schieferdecker jar	ea.	E104

Stretton Young Jar

- A moulded polypropylene jar with screw fitting lid and grooves to accept 76 x 26mm slides vertically.

Capacity	Qty.	Order Number
10 slides	ea.	E96

Plastic Coplin Staining Jar

- A microwaveable, high-density polyethylene jar with internal grooves.
- Holds 10 slides back-to-back
- For general purpose use
- 40mm diameter circular, tapered top
- Includes domed, screw-on cap

Description	Qty.	Order Number
Microwavable plastic Coplin staining jar	ea.	194

Columbia Jar

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

Capacity	Qty.	Order Number
8 coverslips	ea.	E93

Embryo Dishes

- A moulded, clear glass dish with glass lid for use for staining or viewing of free floating specimens.
- Available in two sizes

Description	Qty.	Order Number
30mm	ea.	E90
40mm	ea.	E91

Count Down/Up Timer

- A compact electronic timer with LCD.
- Slim plastic casing
- Spring clip for pocket use, bench bracket and magnetic plate, bleeper alarm

Description	Qty.	Order Number
Count down/up timer	ea.	E107/53/CDUT

Thermo Scientific Haematoxylin Comparison Chart

Haematoxylins for Every Application

	Signature Series Haematoxylin 7211	Signature Series Haematoxylin 7212	Signature Series Haematoxylin 1	Signature Series Haematoxylin 2	Modified Harris	Modified Mayer's
Protocol	Progressive	Progressive	Progressive	Progressive	Regressive	Progressive
Filtration Required	No	No	No	No	No	No
Benefits	Flexible–can be used instead of Harris or Gill; no mucoid staining; can yield ~ 2500 slides	Flexible–can be used instead of Harris or Gill; no mucoid staining; darker than 7211; can yield ~ 3000 slides	Use in place of Gill	Use in place of Harris	Does not contain mercury	No mucoid staining
Frozen Sections	✓	✓	✓	✓	✓	✓
Plastics	✓	✓	✓	✓	✓	✓
Immuno-histochemistry	✓	✓	✓	✓ (cannot be used w/AEC substrate)		✓
Special Stains	✓	✓	✓	✓	✓	✓
Cytology	✓	✓	✓	✓	✓	✓

	Shandon Instant	Harris Unacidified	Harris Acidified	Gill 1	Gill 2	Gill 3
Protocol	Progressive or Regressive	Regressive	Regressive	Progressive	Progressive	Progressive or Regressive
Filtration Required	Formula Dependent	Yes	Yes	No	No	Yes
Benefits	Flexible–can be used in place of Harris or Mayer's; no mucoid staining	No mucoid staining	No mucoid staining	For delicate nuclei; mucoid staining	Will not overstain; mucoid staining	Intense; will not overstain; mucoid staining
Frozen Sections	✓	✓	✓		✓	✓
Plastics	✓	✓	✓		✓	✓
Immuno-histochemistry	✓			✓	✓	
Special Stains	✓			✓		
Cytology	✓	✓	✓		✓	✓

Thermo Scientific™ Signature Series™ Stains

Haematoxylin 7211

A uniquely formulated product that yields results which exceed that of Gill or Harris Haematoxylins.

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

Size	Qty.	Order Number
0.47L bottle	4/cs.	**7211**
5L	ea.	**7211L**

Haematoxylin 7212

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

Size	Qty.	Order Number
0.47L bottle	4/cs.	**7212**
5L	ea.	**7212L**

Haematoxylin 1

This formulation produces staining intensities similar to Gill® 1, 2, and 3 Haematoxylins, 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

Size	Qty.	Order Number
0.47L bottle	4/cs.	**7221**
5L	ea.	**7221L**

Haematoxylin 2

This formulation produces staining intensity similar to Harris Haematoxylin. Unlike many comparable products, Haematoxylin 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

Size	Qty.	Order Number
0.47L bottle	4/cs.	**7231**
5L	ea.	**7231L**

Eosin-Y

A fast-acting, alcoholic counterstain that provides excellent delineation of cytoplasmic components.

- Colour 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

Size	Qty.	Order Number
0.47L bottle	4/cs.	**7111**
5L	ea.	**7111L**

Bluing Reagent

Buffered to ensure proper alkalinity (pH = 8.0). This bluing reagent is premixed and ready to use.

- Requires only a one minute rinse in water versus conventional bluing agents which require up to five minutes of rinsing
- Ensures crisp nuclear detail and does not allow for tissue sections to be washed off the slide during the remainder of the staining process

Size	Qty.	Order Number
3.79L bottle	ea.	**7301**
3.79L bottle	4/cs.	**7341**
5L	ea.	**7301L**

Clarifier 1, 2

These unique acetic acid reagents supplement the Thermo Scientific family of Haematoxylins.

- Designed to remove background stain caused by excessive use of tissue adhesive and to increase cell transparency
- Both Clarifier 1 and 2 selectively remove Haematoxylin staining from excess adhesive without affecting nuclear staining
- Use of Clarifier 1 or 2 improves contrast between nuclei and cytoplasm

Description	Qty.	Order Number
Clarifier 1		
3.79L bottle	ea.	7401
3.79L bottle	4/cs.	7441
Clarifier 2		
3.79L bottle	ea.	7402
3.79L bottle	4/cs.	7442
5L	ea.	7442L

Thermo Scientific Standard Staining Reagents

Thermo Scientific Richard-Allan Scientific Gill 1, 2, 3 Haematoxylin

Gill Haematoxylins 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

Description	Qty.	Order Number
Gill 1 Haematoxylin		
3.79L bottle	ea.	72411
Gill 2 Haematoxylin		
3.79L bottle	ea.	72511
Gill 3 Haematoxylin		
3.79L bottle	ea.	72611

Thermo Scientific™ Richard-Allan Scientific™ Modified Harris Haematoxylin

A regressive nuclear stain.

- Formulation contains no mercury and is more stable than conventional Harris Haematoxylin
- Can be used in both histology and cytology

Size	Qty.	Order Number
3.79L bottle	ea.	72711

Thermo Scientific Richard-Allan Scientific Modified Mayer's Haematoxylin

A progressive nuclear stain. It is difficult to overstain 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

Size	Qty.	Order Number
0.47L bottle	4/cs.	72804

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

These stains have been 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 colour 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 colour than Eosin-Y Alcoholic

Description	Qty.	Order Number
Eosin-Y Alcoholic		
0.47L bottle	4/cs.	71204
3.79L bottle	ea.	71211
Eosin-Y with Phloxine		
0.47L bottle	4/cs.	71304
3.79L bottle	ea.	71311

Thermo Scientific Shandon Staining Reagents

All stains use Biological Stain Commission certified dyes

Harris Haematoxylin

- No mucoid staining.
- Acidifed: Intensely stained, blue-black nuclei
- Non-acidified: Intensely stained, blue-black nuclei

Description	Qty.	Order Number
Acidified		
4L bottle	ea.	**6765004**
1L bottle	2/cs.	**6765003**
Non-acidified		
4L bottle	ea.	**6765002**
1L bottle	2/cs.	**6765001**

Instant Haematoxylin (Dry Powder)

- No mucoid staining.
- May be used as a substitute for Harris or Gill
- Stains from blue-black to light blue depending upon preparation

Description	Order Number
6/pk. (makes 1L x 6)	**6765015**

Gill Haematoxylin 1,2,3

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

Description	Qty.	Order Number
Gill 1 Haematoxylin		
4L bottle	ea.	**6765006**
1L bottle	2/cs.	**6765005**
Gill 2 Haematoxylin		
4L bottle	ea.	**6765008**
1L bottle	2/cs.	**6765007**
Gill 3 Haematoxylin		
4L bottle	ea.	**6765010**
1L bottle	2/cs.	**6765009**

Bluing Reagent

- A bluing reagent that blues Haematoxylin-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

Description	Qty.	Order Number
4L bottle	ea.	**6769002**
1L bottle	2/cs.	**6769001**

Nu-Clear
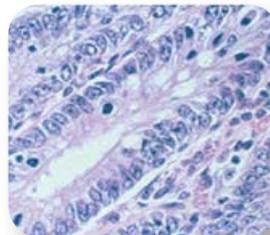
A specially formulated acid alcohol solution. Acid alcohol enhances staining by removing excess Haematoxylin from the slide, resulting in improved cell clarity. Will also remove the residual Haematoxylin staining the glass.

Designed to be used with the full line of Thermo Scientific 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 Haematoxylin
- May be used on the Thermo Scientific™ Varistain™ 24-4 or Thermo Scientific™ Gemini™

Nu-Clear II

- Less concentrated
- Recommended as a 20 second step
- May be used on the Thermo Scientific™ Linistat™ and other linear stainers
- Recommended for use with Gill Haematoxylins

Description	Size	Qty.	Order Number
Nu-Clear I	3.79L	ea.	**6769008**
Nu-Clear II	3.79L	ea.	**6769009**

Eosin-Y

A fast-acting cytoplasmic counterstain.

- Stable and precipitate-free; no filtering
- Produces consistent results
- pH-adjusted for maximum stain uptake
- Produces brilliant staining
- Compatible with all alum Haematoxylin stains
- Available in alcoholic or aqueous formulations
- Ready to use

Description	Qty.	Order Number
Eosin-Y Alcoholic		
4L bottle	ea.	**6766008**
1L bottle	2/cs.	**6766007**
Eosin-Y Aqueous		
4L bottle	ea.	**6766010**
1L bottle	2/cs.	**6766009**

Instant Eosin (Dry Powder)

This instant Eosin is stable, precipitate-free and requires no filtering.

- Produces consistent results
- pH-adjusted for maximum stain uptake
- Produces brilliant staining
- Compatible with all alum Haematoxylin stains

Description	Qty.	Order Number
Alcoholic	6/pk. (makes 6L)	**6765040**
Aqueous	6/pk. (makes 6L)	**6765540**

TCS Biosciences Staining Solutions

The TCS Biosciences staining solutions have now been added to the Thermo Scientific range.

These are mainly manufactured to the original Raymond A Lamb formulas which are well established and proven to be of the highest quality.

Description	Size	Order Number	TCS Order Number
Cotton Blue Lactophenol	500 ml	LAMB/060-C	**HS205**
Haematoxylin (Ehrlich)	1L	LAMB/190-D	**HS330**
Haematoxylin (Weigert A)	500 ml	LAMB/250-C	**HS375**
Haematoxylin (Weigert B)	500 ml	LAMB/260-C	**HS380**
Methylene Blue (Loeffler)	500 ml	LAMB/340-C	**HS515**
Orcein Shikata	500 ml	LAMB/360-C	**HS612**
Papanicolaous Stain EA50	1L	LAMB/370-D	**HS630**
Papanicolaous Stain OG6	1L	LAMB/380-D	**HS635**
MOUNTANTS			
Apathy's Mounting Medium	100ml	LAMB/540-A	**HC8535**
Buffer Solution (Sorenson's) Cone pH 6.8	5 x 25ml	LAMB/550-A	**HDS10**

Thermo Scientific™ Chromaview™ Special Stain Kits

Series of special stains and reagents 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.

Amyloid Stain

For the demonstration of amyloid.

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

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87003**
Components			
Sodium Hydroxide Solution (dropper)	8ml	ea.	**88004**
Congo Red Solution	500ml	ea.	**88005**
Modifier Mayer's Haematoxylin	500ml	ea.	**88006**

Methyl Green-Pyronin Y

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	125ml	ea.	**87011**

Iron Stain

Used to detect presence of ferric iron (hemosiderin) in histological or hematological preparations.

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

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87006**
Components			
Potassium Ferrocyanide Solution	250ml	ea.	**88013**
Hydrochloric Acid Solution (20%)	250ml	ea.	**88014**
Nuclear Red Thiazin Stain Solution	125ml	ea.	**88015**

Elastic Stain

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 fibres are stained blue-black to black with red collagen and a yellow background

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87017**
Components			
Alcoholic Haematoxylin Solution	250ml	ea.	**88007**
Ferric Chloride Solution	125ml	ea.	**88008**
Weigert's Iodine Solution	125ml	ea.	**88009**
Sodium Thiosulfate Solution	500ml	ea.	**88000**
Van Gieson Stain Solution	250ml	ea.	**88011**

Gram Stain (Tissue)

Identifies Gram-positive and Gram-negative bacteria in tissue sections.

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

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87018**
Components			
Tartrazine Stain Solution	500ml	ea.	**88012**
Crystal Violet Solution	500ml	ea.	**88101**
Gram's Iodine Solution	500ml	ea.	**88102**
Safranin O Stain Solution	500ml	ea.	**88103**
Decolourising Solution	500ml	ea.	**88104**

Periodic Acid-Schiff (PAS)

Use to demonstrate the patterns and presence of specific carbohydrates.

- Glycogen, mucin, and some basement membranes and fungal walls will stain rose to magenta while the nuclei are blue

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87007**
Components			
Periodic Acid Solution (0.5%)	500ml	ea.	**88016**
Schiff Reagent	500ml	ea.	**88017**
Haematoxylin 1	500ml	ea.	**88018**

Modified Grocott's Methenamine

Silver (Chromic Acid).

- Uniquely modified silver stain formulation 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
- Chromic acid solution will enhance detection of Pneumocystis carinii, histoplasmosis, and fungus organisms while eliminating non-specific background staining these entities along with reticular fibres are stained black
- Background is stained green

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87024**
Components			
Methenamine/Borax (capsules)	6/pk.	2	**88023**
Fast Green Stain Solution	125ml	ea.	**88024**
Sodium Thiosulfate Solution	125ml	ea.	**88025**
Sodium Metabisulfite Solution	500ml	ea.	**88042**
Gold Chloride Solution (0.1%)	125ml	ea.	**88026**
Chromic Acid Solution (5%)	500ml	ea.	**88041**
Silver Nitrate Solution (5%)	30ml	ea.	**88036**

Modified Grocott's Methenamine

Silver (Periodic Acid).

- Uniquely modified silver stain formulation utilises 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 fibres, are stained black
- Background is stained green

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87008**

Alcian Blue/PAS
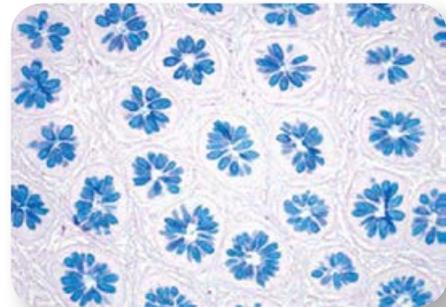
Use to demonstrate presence of both neutral and acidic mucosubstances.

- Alcian Blue pH 2.5 Stain Solution 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 for glycogen, basement membranes, and neutral mucosubstances; stains these entities pink

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87023**
Components			
Alcian Blue pH 2.5 Stain Solution	500ml	ea.	**88043**
Periodic Acid Solution (0.5%)	500ml	ea.	**88016**
Schiff Reagent	500ml	ea.	**88017**

Consumables

Reticulin Silver

This Gordon and Sweet's modification will identify and visualize reticular fibres in tissue sections.

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

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

Steiner-Steiner Silver

Determines spirochetes and nonfilamentous bacteria.

- Bacteria (including spirochetes and Legionella pneumophilia), 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
1 kit	----	ea.	87009
Components			
Silver Nitrate Solution #2 (dropper)	8ml	ea.	88021
Silver Nitrate Solution #1	500ml	ea.	88033
Gum Mastic Solution	500ml	ea.	88034
Hydroquinone (capsules)	6/pk.	2	88035
Sensitiser Solution	500ml	ea.	88054

Masson Trichrome

Vibrant colours of Masson Trichrome stain aid in differentiating collagen and smooth muscle in tumours; also help detect diseases of connective tissue and changes in muscle tissue.

- Cytoplasm, keratin, and muscle fibres are stained red, with collagen and mucin stained blue
- Nuclei are black

Description	Size	Qty.	Order Number
1 kit	-----	ea.	87019
Components			
Biebrich Scarlet: Acid Fuchsin Solution	250ml	ea.	88019
Phosphotungstic-Phosphomolybdic Acid Solution	250ml	ea.	88020
Aniline Blue Stain Solution	250ml	ea.	88022
Weigert's Iron Haematoxylin- Part A	500ml	ea.	88028
Weigert's Iron Haematoxylin- Part B	500ml	ea.	88029
Bouin's Fluid	500ml	ea.	88038
1% Acetic Acid Solution	500ml	ea.	88039

Mucicarmine

This stain is useful in the identification of primary tumour 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
1 kit	----	ea.	**87012**
Components			
Tartrazine Stain Solution	500ml	ea.	**88012**
Weigert's Iron Haematoxylin Part A	500ml	ea.	**88028**
Weigert's Iron Haematoxylin Part B	500ml	ea.	**88029**
Mucicarmine Stock Solution	500ml	ea.	**88037**

Gomori Trichrome (Green Collagen)
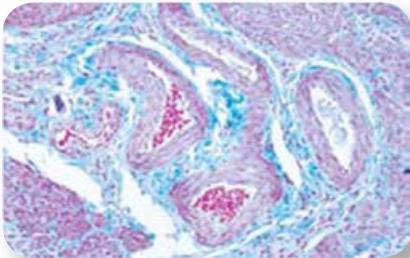
Used to study the diseases of connective tissue and muscle associated with fibrotic and dystrophic changes.

- One-step trichrome stain provides distinctive red muscle fibres with green collagen staining

Description	Size	Qty.	Order Number
1 kit	---	ea.	**87021**
Components			
Weigert's Iron Haematoxylin- Part A	500ml	ea.	**88028**
Weigert's Iron Haematoxylin- Part B	500ml	ea.	**88029**
Gomori Trichrome Stain Solution,Green Collagen	500ml	ea.	**88031**
Bouin's Fluid	500ml	ea.	**88038**

Gomori Trichrome (Blue Collagen)

One-step trichrome stain achieves colour 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 fibres red, and the nuclei blue to black

Description	Size	Qty.	Order Number
1 kit	----	ea.	**87020**
Components			
Weigert's Iron Haematoxylin Part A	500ml	ea.	**88028**
Weigert's Iron Haematoxylin Part B	500ml	ea.	**88029**
Gomori Trichrome Stain Solution, Blue Collagen	500ml	ea.	**88030**
Bouin's Fluid	500ml	ea.	**88038**

Solutions

Description	Size	Qty.	Order Number
Carbol Fuchsin-Kinyoun Solution (Cold Technique)	500ml	ea.	**88106**
Carbol Fuchsin-Kinyoun Solution (Heat Technique)	500ml	ea.	**88107**
Carbol Fuchsin-Ziehl-Neelsen Solution	500ml	ea.	**88108**
Loeffler Methylene Blue Stain Solution	1L	ea.	**88111**
Lugol's Iodine Solution (Concentrate)	500ml	ea.	**88114**
Phosphate-Buffered Saline, pH 7.4	10g	12	**86112**

Thermo Scientific Special Stain Kits

Periodic Acid Schiff Kit (PAS)
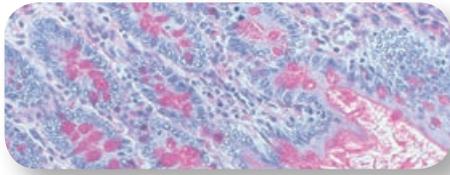
For the demonstration of polysaccharides, neutral mucosubstances, and basement membranes.

- Kit components include: Digestion kit; Harris Acidified Haematoxylin counterstain; manual, automated, and microwave protocols

Description	Size	Qty.	Order Number
Periodic Acid Schiff Kit	250ml	ea.	**B24200-250**

Acid-Fast Bacillus Stain

Allows rapid differentiation of acid-fast microorganisms from non-acid fast micro-organisms.

- Methylene Blue provided as counterstain
- No slide heating necessary
- Stains and reagents are ready to use
- Use as routine stain in microbiology or a special stain for histology
- Kit components include: Acid-Fast Bacillus Stain (Carbol Fuchsin); Acid Alcohol Decolourizer; and Methylene Blue Counterstain

Description	Size	Qty.	Order Number
Acid-Fast Bacillus Stain Kit	250ml	ea.	**9990730**

Thermo Scientific Haematology Stains

Giemsa Stain

An excellent classical blood film stain used on peripheral blood smears and bone marrow.

- Erythrocytes stain pink with platelets exhibiting a very light, pale hue
- Leukocyte nuclear chromatin stains magenta-purple
- Monocyte cytoplasm stains the classical "ground glass" blue
- Lymphocyte cytoplasm stains clear, sky blue

Description	Qty.	Order Number
0.95L bottle	ea.	**89002**

Buffered Wright Stain

A single solution stain containing fixative, buffer, and stain for rapid and convenient staining of blood smears.

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

Description	Qty.	Order Number
0.95L bottle	12/cs.	**3111**

Wright Stain

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
0.95L bottle	ea.	**89012**
3.79L bottle	ea.	**89009**

Wright-Giemsa Stain

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
0.95L bottle	ea.	**89013**

Buffered Wright-Giemsa Stain

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
0.95L bottle	12/cs	**3121**

Wright-Giemsa Solution

Eosinates of polychrome methylene blue yield rich colour.

- Unique manufacturing process produces an intense differential stain for blood smears, bone marrows, mast cells, and FNAs
- Demonstrates microorganisms such as Microfilaria, Babesia, Haemobartonella, Giardia, Pneumocystis, and Helicobacter

Description	Size	Order Number
Wright-Giemsa Solution	4L	**9990715**

May-Grunwald Stain

A classical haematology stain requires longer staining times but produces very dense colouration.

- Used in the staining of peripheral blood smears and bone marrows
- Results are dramatically darker when compared with Giemsa and Wright Giemsa stains

Description	Qty	Order Number
0.95L bottle	12/cs	**89027**

Tetrachrome Blood Stain

This stain utilises the MacNeal formula.

- Can be substituted for Wright Stain solution

Description	Qty	Order Number
0.95L bottle	ea.	**89028**

Reticulocyte Stain

A specialised haematology 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
125ml bottle	ea.	**89029**

Jenner Stain

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
- Eosinophillic granules tend to appear brighter red, basophillic granules and nuclear chromatin stain a dense blue

Description	Qty	Order Number
0.95L	ea.	**89030**

Three-Step Stain

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

- Stain can be used to detect H. Pylori
- Set contains three 500ml bottles consisting of Fixative Solution, Solution A (Eosin-Y), and Solution B (Azure A and Methylene Blue)
- Package insert provides easy-to-follow instructions
- Components are also available in 3.79L containers to facilitate use on automated stainers

Description	Size	Qty.	Order Number
Three-Step Stain Set	3 x 500ml	ea.	**3300**
Three-Step Fixative	3.79L	ea.	**3303**
Three-Step Solution A	3.79L	ea.	**3313**
Three-Step Solution B	3.79L	ea.	**3323**

R A Lamb Rapid Romanowsky Staining Kit

A triple stain pack which is used as a fast method of producing Romanowsky stain for use on blood cells, protozoa and spermatozoa.

- The pack contains 3 x 500ml bottles consisting of a Fixative Solution, and Acid dye and a basic dye

Description	Size	Qty.	Order Number
Rapid Romanowsky Staining Kit	3 x 500ml	ea.	**LAMB/610-K**

Haematology Stain Packs

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
- Decreased precipitate with human blood smears
- Lot is quality controlled
- Complete line of accessories is also available

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/pk.	**3010**
Cannula Set (3/pk.)	16/pk.	**3011**
Under Platen Tubing (3/pk.)	8/pk..	**3012**

Phosphate Buffer (6.6, 7.2)

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

- Each single-use bottle yields 1L

Description	Size	Qty.	Order Number
Phosphate Buffer pH 6.6 (powder)	9.25g	12/cs.	**89032**
Phosphate Buffer pH 7.2 (powder)	9.25g	12/cs.	**89033**

Kwik-Diff Stains

A fast, three-step differential stain for cytologic preparations, FNAs, and microorganisms such as Helicobacter Pylori.

- A quick alternative to traditional Wright's and Giemsa staining procedures
- 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	500ml	**9990700**
Kwik-Diff Stain Kit	125ml	**9990701**
Components		
Kwik-Diff Reagent 1, Fixative	4L	**9990705**
Kwik-Diff Reagent 2, Eosin	4L	**9990706**
Kwik-Diff Reagent 3, Methylene Blue	4L	**9990707**

Thermo Scientific Microbiology Stains

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	500ml	ea.	**88101**
Gram's Iodine Solution	500ml	ea.	**88102**
Safranin O Stain Solution	500ml	ea.	**88103**
Decolourising Solution	500ml	ea.	**88104**
Sodium Bicarbonate Solution	8ml	2/cs.	**88116**

Microbiology Reagents

Description	Size	Qty.	Order Number
Decolourising Solution	500ml	ea.	**88104**
Basic Fuchsin Stain Solution	500ml	ea.	**88105**
Gentian Violet Solution Aq. (1%)	1L	ea.	**88109**
Gentian Violet (Hucker) Solution	3.79L	ea.	**88110**
Safranin O Stain Solution	9.5L	ea.	**88112**
Acid Alcohol Solution 95%	1L	ea.	**88113**

Gram Stain

This 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), Decolourising Solution, and Safranin O Counterstain

Description	Size	Order Number
Gram Stain Kit	250ml	**9990720**
Gram Stain Kit	125ml	**9990721**
Gram Crystal Violet Stain	4L	**9990725**
Gram's Iodine	4L	**9990726**
Gram Decolourising Solution	4L	**9990727**
Safranin O	4L	**9990728**

Thermo Scientific Portable Staining Kits

Rapid-Chrome H & E Frozen Section Staining Kit

This 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 Haematoxylin, bluing reagent, 100% alcohol, and mounting medium

Description	Qty	Order Number
100 slide capacity/kit	ea.	**9990001**

Rapid-Chrome Papanicolaou Staining Kit

Excellent for rapid results of fine needle aspirations or high-risk specimens. This kit contains a five-slide holder and a portable tray.

- Kit components include: Rinse water, Gill 2 Haematoxylin, bluing reagent, EA-50, 100% alcohol, OG-6, 95% alcohol, xylene, and mounting medium

Description	Qty	Order Number
100 slide capacity/kit	ea.	**9990020**

Rapid-Chrome Kwik-Diff Staining Kit

Specially configured for performing quick, high-quality differential stains. This kit is ideal for FNA carts.

- Kit components include: Fixative, Methylene Blue, Eosin, deionized water, spill-free slide jar, one plastic slide grip, Superfrost slides, 24 x 50, No. 1 Coverslip, resin mount mountant, one cardboard slide folder and a Secureline® marker

Description	Qty	Order Number
100 slide capacity/kit	ea.	**9990702**

Resolve Immersion Oil

A clear, colourless oil that allows light transmission throughout most of the UV-VIS spectrum.

- Manufactured using a proprietary process that removes interferring 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

Description	Qty	Order Number
Low viscosity - 15ml	ea.	**M2000**
High viscosity - 15ml	ea.	**M2004**
Low viscosity - 30ml	ea.	**M3000**
High viscosity - 30ml	ea.	**M3004**
Low viscosity - 118ml	ea.	**M4000**
High viscosity - 118ml	ea.	**M4004**
Low viscosity - 473ml	ea.	**M5000**
High viscosity - 473ml	ea.	**M5004**

Thermo Scientific Dyes and High Purity Chemicals

Manufactured to meet rigid specifications

Dry Powder Stains

Certified by the Biological Stain Commission

Description	Qty.	Order Number
Eosin-Y	100g	**90017**
Haematoxylin	25g	**90022**
Wright Stain	25g	**90049**

Formaldehyde 37% (ACS)

Solution is stabilised

- Not intended for use as a disinfectant

Description	Qty.	Order Number
3.79L	4/cs.	**9300-1**
18.9L	ea.	**9300-5**

Acetone (ACS)

Meets spectrophotometric grade specifications

- Filtered to 0.2Rm to ensure purity

Description	Qty.	Order Number
3.79L	4/cs.	**9000-1**
18.9L	ea.	**9000-5**

Ethyl Alcohol

Anhydrous formula is denatured with Methanol, MIBK, Ethyl Acetate, and Heptane

- Maximum of 0.1% water
- Maximum residue content of 0.003%

Description	Qty.	Order Number
3.79L	4/cs.	**9200-1**
18.9L	ea.	**9200-5**

10% Neutral Buffered Formalin

Pre-mixed, ready-to-use solution

- Not intended for use as a disinfectant

Description	Qty.	Order Number
3.79L	4/cs.	**9400-1**
18.9L	ea.	**9400-5**

Isopropyl Alcohol (ACS)

99.5% meets spectrophotometric grade specifications

- Filtered to 0.2μm to ensure purity

Description	Qty.	Order Number
3.79L	4/cs.	**9500-1**
18.9L	ea.	**9500-5**

Methyl Alcohol (ACS)

Anhydrous

- Meets spectrophotometric grade specifications
- Final filtration is 0.2μm

Description	Qty.	Order Number
3.79L	4/cs.	**9600-1**
18.9L	ea.	**9600-5**

Xylenes (ACS)

Reagent grade; offers the end-user a high-quality product

Description	Qty.	Order Number
3.79L	4/cs.	**9900-1**
18.9L	ea.	**9900-5**

TCS Dry Dyes & Dry Chemicals

Description	Size	CI No.	Order Number	TCS Order Number
Alcian Blue 8GX	25g	74240	S6-2	HD1040
Alizarin Red S	25g	58005	S16-2	HD1055
Biebrich Scarlet	25g	26905	S52-2	HD1175
Celestin Blue	10g	51050	S75-1	HD1240
Chromotrope 2R	25g	16570	S82-2	HD1255
Congo Red	25g	22120	S87-2	HD1270
Cresyl Violet Acetate	5g	-	S100-0	HD1285
Cresyl Violet Acetate	25g	-	S100-2	HD1285
Crystal Ponceau	10g	16250	A82610025	HD1290
Crystal Violet	25g	42555	S102-2	HD1295
Eosin (Yellowish Water/Alcohol Soluble)	100g	45380	S115-3	HD1320
Field Stain A	25g	-	S163-2	HD1410
Field Stain B	25g	-	S164-2	HD1415
Giemsa Stain	25g	-	S172-2	HD1455
Luxol Fast Blue MBS	25g	-	S205-2	HD1575
Malachite Green	25g	42000	S208-2	HD1590
May Grunwald Stain	25g	-	S212-2	HD1605
Neutral Red	25g	50040	S254-2	HD1715
Nuclear Fast Red	25g	60760	S265-2	HD1745
Orange G	25g	16230	S269-2	HD1755
Orcein Synthetic	5g	-	S271-0	HD1760
Ponceau de Xylidine	25g	16150	S289-2	HD1800
Toluidine Blue	25g	52040	S338-2	HD1960

Thermo Scientific Tissue Marking Dyes

This user friendly system permanently marks 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 colours are not similar to standard histopathology dyes
- Easy-to-use and quick-drying which decreases time factor in urgent frozen sectioning
- Available individually or as a kit (includes one bottle each of black, blue, yellow, red, and green; 50 applicator sticks; storage base)

Description	Size	Order Number
Tissue Marking Dye Kit	----	3120123
Marking Dyes		
Blue Tissue Marking Dye	59ml	3120124
Black Tissue Marking Dye	59ml	3120125
Yellow Tissue Marking Dye	59ml	3120126
Red Tissue Marking Dye	59ml	3120127
Green Tissue Marking Dye	59ml	3120128

Thermo Scientific Coverslips

General-Purpose Coverslips

- Highest quality glass
- Free from blisters and flaws
- Cleaned and polished
- Consistent in cut, thickness, and dimensional accuracy

Description	Qty	Order Number
No. 1		
18 x 18mm	1000/pk.	**6776316**
22 x 22mm	5 x 200/pk.	**6776309**
22 x 26mm	1000/pk.	**6776320**
22 x 32mm	10 x 100/pk.	**6776312**
22 x 40mm	10 x 100/pk.	**6776313**
22 x 50mm	1000/pk.	**6776314**
22 x 60mm	1000/pk.	**6776324**
22 x 64mm	1000/pk.	**6776321**
22 x 70mm	10 x 100/pk.	**1001624**
24 x 24mm	1000/pk.	**6776317**
24 x 32mm	10 x 100/pk.	**6776318**
24 x 40mm	10 x 100/pk.	**6776319**
24 x 50mm	10 x 100/pk.	**6776322**
24 x 60mm	10 x 100/pk.	**6776325**
No. 1.5		
22 x 22mm	1000/pk.	**6776301**
22 x 26mm	1000/pk.	**6776311**
22 x 32mm	1000/pk.	**6776301**
22 x 40mm	1000/pk.	**6776304**
22 x 50mm	1000/pk.	**6776315**
24 x 40mm	10 x 100/pk.	**6776306**
24 x 50mm	10 x 100/pk.	**6776307**
24 x 60mm	10 x 100/pk.	**6776308**

Thermo Scientific™ Signature Series™

- Uniquely manufactured to eliminate sticking and reduce waste
- Excellent choice for use in automatic coverslippers

Description	Size	Qty.	Order Number
No. 1			
24 x 40mm	1 oz. box	10/cs.	**12440S**
24 x 50mm	1 oz. box	10/cs.	**12450S**
24 x 60mm	1 oz. box	10/cs.	**124606**

Thermo Scientific Coverslip Size Guide

24
22
18

(in mm) 18 22 26 30 32 40 50 60 64 70
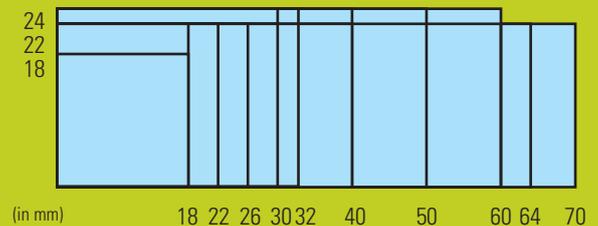
Coverslip Thickness Ranges:

No.1 = 0.13 to 0.17mm

No.1.5 = 0.16 to 0.19mm

Thermo Scientific™ Consul™ No-Stick Coverslips

- These coverslips have been designed not to stick together.
- Ideal for use on the Thermo Scientific Consul Automated Coverslipper

Description	Qty	Order Number
No. 1		
22 x 40mm	10 x 100/pk.	**7411273**
22 x 50mm	10 x 100/pk.	**7411274**
22 x 60mm	10 x 100/pk.	**7411275**
24 x 40mm	10 x 100/pk.	**7411270**
24 x 50mm	10 x 100/pk.	**7411271**
24 x 60mm	10 x 100/pk.	**7411272**
No. 1.5		
22 x 40mm	10 x 100/pk.	**7411279**
22 x 60mm	10 x 100/pk.	**7411281**
24 x 40mm	10 x 100/pk.	**7411276**
24 x 50mm	10 x 100/pk.	**7411277**
24 x 55mm	10 x 100/pk.	**7411282**
24 x 60mm	10 x 100/pk.	**7411278**

Circular Coverslips

Description	Qty.	Order Number
No. 1		
6mm dia.	1000/pk	**A67761327**
12mm dia.	1000/pk	**A67761333**
10mm dia.	1000/pk	**A67761328**

Large Coverslips

Description	Qty.	Order Number
No. 1		
32 x 38mm	100/pk	**A67761331**
35 x 64mm	100/pk	**A67761329**
38 x 50mm	100/pk	**A67761332**
48 x 64mm	100/pk	**A67761330**

Thermo Scientific Coverslipping Forceps

Standard Coverglass Thumb Forceps

- Flat, square tips
- Stainless steel construction

Description	Qty.	Order Number
12.1cm	ea.	**19040**

Kuehne Coverglass Forceps

- Angled tips
- Stainless steel construction

Description	Qty.	Order Number
10.2cm	ea.	**19060**

Watchmakers Forceps

- High quality, brushed stainless steel forceps with smooth arms and very fine points

Description	Qty.	Points	Order Number
Straight; 12cm	ea.	3	**E16/2**
Straight; 11cm	ea.	4	**E16/3**
Straight; 11cm	ea.	5	**E16/4**
Curved; 12cm	ea.	7	**E16/5**

Lens Tissue Booklets

- Booklets of 50 leaves of high quality Whatman™ tissues

Description	Qty.	Order Number
100 x 75mm	50/bk.	**E19**

Thermo Scientific Coverslipping Mountants

Mountants for every coverslipping application

Thermo Scientific™ Shandon-Mount™

- A permanent mounting medium 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
60ml	ea.	**1900331**
120ml	ea.	**1900333**
500ml	2/cs.	**9990435**

R A Lamb DPX

- A rapid drying mounting medium ideal for routine use.
- Refractive index: 1.51 ±0.005 (wet)

Description	Qty.	Order Number
1L bottle	ea.	**LAMB/DPX**

Thermo Scientific™ EZ-Mount™

- Compatible with membrane filters, this mountant is a 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
500ml	2/cs.	**9999120**

Thermo Scientific™ Immu-Mount™

- 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° to 24°C

Description	Qty.	Order Number
20ml	ea.	**9990402**
20ml	6/cs.	**9990412**
1L	ea.	**9990414**

Xylene Substitute Mountant

- Formulated specifically for use with Thermo Scientific Shandon Xylene Substitute. A permanent, organic mounting medium.
- Compatible with all routine xylene subsistute clearing agents
- Toluene base
- Refractive index: 1.495 ±0.005 (dry)
- Viscosity: Medium (120 to 265 cps at 24°C)

Description	Qty.	Order Number
60ml	ea.	**1900231**
120ml	ea.	**1900233**
500ml	2/cs.	**9999122**

Synthetic Mountant

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
500ml	2/cs.	6769007

Thermo Scientific™ Signature Series™ Mounting Medium

This 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
118ml	6/cs.	4112
470ml	2/cs.	4111

Thermo Scientific™ ClearVue™ Mountants

Description	Order Number
ClearVue Mountant, Toluene-based, 2/pk.	4211
ClearVue-XYL Mountant, Xylene-based, 2/pk.	4212

Thermo Scientific™ Consul-Mount™

This permanent, organic mountant has been sesigned specifically for use with the Thermo Scientific Consul coverslipper.

- Histology and Cytology formulations available
- Xylene base
- Refractive index: 1.495 ±0.005 (dry)
- Viscosity: Cytology - Medium/High (490 to 640 cps at 24°C); Histology - Medium (125 to 200 cps at 24°C)

Description	Qty.	Order Number
Cytology formulation; 500ml	4/cs.	9990440
Histology formulation; 500ml	4/cs.	9990441

Thermo Scientific™ Cytoseal™ 60

A clear, colourless, toluene-based mounting medium formulated from acrylic resins. The addition of antioxidants inhibits fading or yellowing of stained specimens.

- Will not crack or discolour with age
- Cytoseal 60 is a low-viscosity medium that dries quickly and allows for rapid, even spreading which virtually eliminates air bubbles

Description	Qty.	Order Number
118ml	12/cs.	8310-4
473ml	12/cs.	8310-16

Thermo Scientific Cytoseal XYL

This mountant contains an antioxidant to inhibit the fading or yellowing of stained specimens.

- Xylene-based
- Rapid drying allows microscopic examination of slides soon after application

Description	Qty.	Order Number
118ml	12/cs	8312-4

Thermo Scientific Cryostat Consumables

Thermo Scientific™ Cytocool™ II

Used to "flash freeze" tissue specimens in the cryostat. Also used to harden difficult-to-cut tissue on microtome during sectioning

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

Description	Qty.	Order Number
325ml	12/cs.	8323

Ice-It

Rapid freezing aerosol for the "flash freezing" of tissue in histology.

- Comfortable trigger nozzle makes dispensing easy to control; can be used with or without a capillary nozzle
- Helps maintain moisture in blocks

Description	Qty.	Order Number
325ml	12/cs.	8325

Thermo Scientific™ Neg-50™ Frozen Section Medium

Water-soluble frozen section medium yeilds high-quality sections even down to -50°C without chatter

- Leaves no residue after staining
- Compatible with the Thermo Scientific™ Automatic Cryo-Approach™ (ACA) system
- Ordering Information
- Available in five colours for easy identification of specimens: pink, blue, green, yellow and orange. Multi packs contain one of each colour.

Description	Qty.	Order Number
Colourless Neg-50, 118ml	2/cs	6502
Blue Neg-50, 118ml	2/cs	6502B
Green Neg-50, 118ml	2/cs	6502G
Orange Neg-50, 118ml	2/cs	6502O
Pink Neg-50, 118ml	2/cs	6502P
Yellow Neg-50m, 118ml	2/cs	6502Y
Colourless Neg-50, 118ml	6/cs	6506
Neg-50 Multi-Pack	6/cs	6506M

Thermo Scientific™ Mark-It™ Tissue Marking Dyes

Provide an efficient means of tissue margin identification. User-friendly system uses permanent dyes that maintain their original brilliance throughout the entire routine tissue processing cycle; can be used on all fresh or formalin-fixed tissues.

- Various uses for this system include:
- Marking surgical margins
- Identifying serial segments of large tissues to ensure proper orientation and embedding
- Maintaining proper tissue orientation for Moh's surgery specimens
- Identifying multiple pieces of tissues processed in the same cassette

Includes

Kit includes one base, one of each of the six colour dyes and applicator sticks.

Description	Qty.	Order Number
Kit	ea.	**5000**
Black dye, 59ml	ea.	**5000BK**
Blue dye, 59ml	ea.	**5000BL**
Green dye, 59ml	ea.	**5000G**
Orange dye, 59ml	ea.	**5000O**
Red dye, 59ml	ea.	**5000R**
Yellow dye, 59ml	ea.	**5000Y**
Applicator Sticks	864	**5001**

Frozen Section Staining Kit

Ideal for laboratories that process a limited number of slides. Works well for staining tissue mounted on coverglass.

- Sturdy cover with piano hinge seals beakers to minimise evaporation
- Rubber feet on rack protect table surface
- Glass beakers have a capacity of 200ml and are 10cm tall
- Slide holder will hold ten 76 x 26mm slides
- Stainless steel support rack measures 21.6 x 48.3 x 22.6mm

Includes

Kit includes 12 beakers, a stainless steel slide holder and a heavy-gauge stainless steel support rack with six round openings to hold beakers.

Description	Qty.	Order Number
Frozen section staining kit	ea.	**145**
Glass beakers only	12/pk.	**146**
Slide holder only	ea.	**147**
Stainless steel support rack only	ea.	**23145**

Thermo Scientific™ Cryomatrix™

Outstanding embedding resin 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

Description	Qty.	Order Number
120ml	4/pk.	**6769006**

M-1 Embedding Matrix

Water soluble, clear embedding mix.

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

Description	Qty.	Order Number
180ml	ea.	**1310**

Thermo Scientific™ Cryochrome™

Outstanding embedding resin used to support tissue for frozen sectioning.

- Colour codes frozen sections for easy identification and tracking
- Four colours available; pink, blue, yellow, green
- Formulated with physical characteristics identical to Cryomatrix

Description	Qty.	Order Number
Cryochrome Blue, 120ml	4/pk.	**9990422**
Cryochrome Yellow, 120ml	4/pk.	**9990423**
Cryochrome Green, 120ml	4/pk.	**9990428**
Cryochrome Pink, 120ml	4/pk.	**9990429**
Cryochrome sampler (one of each colour), 120ml	4/pk.	**9990426**

Thermo Scientific Cytospin 4 Cytocentrifuge

The ultimate thin-layer cell preparation system

Synonymous with cytocentrifugation for over 40 years, the Thermo Scientific™ Cytospin™ is used in more than 16,000 laboratories worldwide. It provides economical thin layer preparations from any liquid matrix, especially hypocellular fluids such as spinal fluids and urines.

- Process 12 specimens at one time
- Accepts all protocols from Cytospin 1, 2 and 3
- Redesigned lid release mechanism allows for one-handed opening and closing
- Only operates when the lid is locked into position and lid remains locked during rotation
- Polycarbonate window allows the operator to see the sealed head during cytocentrifugation
- Designed for easy disinfecting
- Meets stringent IEC 61010 standards for centrifuge safety
- Pull-out program card allows for up to nine programs to be logged for fast and convenient retrieval

Safe and Reliable

- Allows user to load the sealed head in a microbiological cabinet for enhanced safety
- Auto-locking, plastic outer lid
- Autoclavable sealed head
- Disposable sample chambers with caps
- Safety alarms that protect users and specimens
- Wipe-clean control panel
- 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 also constructively flattens cells for excellent nuclear presentation
- During operation, the instrument's spinning action tilts Thermo Scientific™ Cytofunnels™ upright and centrifuges cells onto the deposition area of the slide, giving all cell types equal opportunity for presentation
- In the Load or Stop position, the tilting feature reduces cell loss by preventing residual fluid from coming into contact with the prepared slide

Simple and Precise Controls

- Protected program memory stores up to 23 routines for instant recall and protects from power loss
- Program keypad has "easy-touch" design that allows for easier key strokes and more intuitive programming
- Speed window displays the programmed spinning speeds from 200 to 2000rpm
- Three acceleration control buttons allow the operator excellent flexibility and exceptional protection for fragile samples
- Time window displays the programmed and remaining run time from 1 to 99 min
- Control feature has a standby power saving mode; displays are also turned on and off by the standby key
- Safety alarms include an audible alarm when the cytocentrifuge is out of balance, outside the speed tolerance or if the lid is not properly locked
- Unit will not spin if the lid is not locked
- Specimen safety alarm feature reminds users at one-minute intervals to remove specimens and protect them from "air-drying" to help ensure consistent results

Physical Specifications

Dimensions (H x W x D):

    With closed lid: 24 x 40.5 x 62cm

    With opened lid: 62.5 x 40.5 x 62cm

Weight:12kg

Power Requirements: 100-240 VAC, 50/60Hz, 1Ph, 150VA Max.

Includes

Sealed head/rotor, marking pen, operator guide, service record book and standard workflow diagram.

Starter Kits

Thermo Scientific EZ Funnel Starter Kit includes:

- 25 EZ Megafunnels
- 20 EZ Single White Cytofunnels,
- 20 EZ Double Cytofunnels
- Cytoslides

Thermo Scientific Clipped Funnel Starter Kit includes:

- 50 Single White Cytofunnels
- 25 Double Cytofunnels
- Cytoslides
- 12 Cytoclips

Certifications and Compliance

IEC 61010, CSA, UL and CE Mark (IVDD compliant)

Thermo Scientific Cytospin sealed head

Description	Order Number
Cytospin 4 unit only	A78300002
EZ Funnel Starter Kit	A78710013
Clipped Funnel Starter Kit	3120110

Accessories	Qty.	Order Number
Additional sealed head	ea.	59910018
Sealed head seals	3/pk.	59910019
Service manual	ea.	A78310251

Thermo Scientific Cytospin 4 Applications

Disciplines that use the Cytospin 4
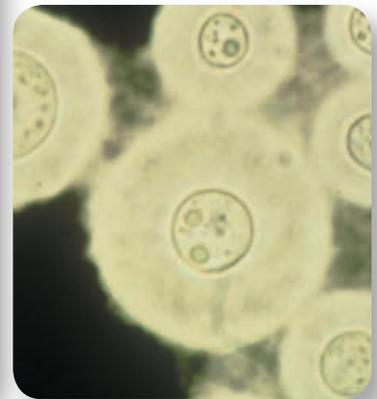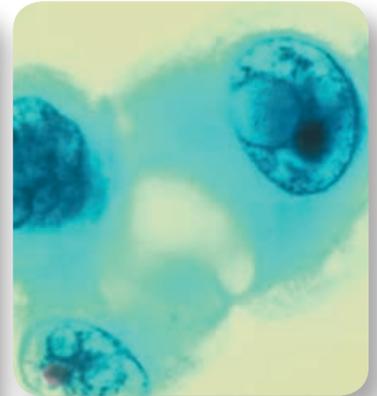
Cytology

- Many types of collection fluids and funnel options available
- Offers quality presentation at a fraction of the cost of other "thin layer" technologies
- Prepares both "air-dried" and "fixed" specimens
- Can be used for LBC applications

Microbiology

- Micro-organisms are often present in low numbers from limited sample volumes-cytocentrifugation effectively spins the micro-organisms onto the slide, maximising 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
- It also concentrates samples for Gram stains

Haematology/Oncology

- Easy to achieve a constant cell/unit volume
- Excellent for all fluids, bone marrow and peripheral blood
- Even with a cell count of "zero," the Cytospin often locates the few cells in the fluid that the counter missed

Virology

- There are many published technical papers using the Cytospin for the rapid detection of respiratory viruses, CMV detection, ISH, FISH, etc.

Research/General Use

- The most cost-effective, time-effective way to make quality thin-layer cell presentations
- Excellent for molecular studies, specialised staining applications and EM
- Used in veterinary, dental and chemosensitivity protocols

Thermo Scientific EZ Cytofunnel Sample Chambers

Clipless funnels for easier preparations

Thermo Scientific™ EZ Cytofunnel™ General Features

- For single use with all Thermo Scientific Cytospin Cytocentrifuge applications
- Optimise cell yield
- Reduce the risk of exposure to pathogenic samples
- Disposable to eliminate time-consuming decontamination and cleaning
- Decrease the possibility of cross-contamination
- Eliminate the need for metal Thermo Scientific™ Cytoclips™
- Produce more cost-effective, thin layer preparations when compared with other thin layer methods

Includes

Closure caps and easy-to-use operational illustrations

EZ Single Cytofunnel with White Filter Cards

- Disposable sample chamber with white filter card and cap
- Use for sample volumes up to 0.5ml
- Cell deposition area of 6mm in diameter (28mm²)
- Pre-attached white filter card for high absorbency

Qty.	Order Number
40/box	A78710003
200/pk.	A78710020

EZ Single Cytofunnel with Brown Filter Cards

- Disposable sample chamber with brown filter card and cap
- Use for sample volumes of 0.4ml or less
- Cell deposition area of 6mm in diameter (28mm²)
- Pre-attached brown filter card for slower absorbency
- Excellent for scanty specimens such as CSF

Qty.	Order Number
40/box	A78710004

EZ Double Cytofunnel

- Disposable sample chamber with white filter card and cap
- Allows two sample deposition areas on a single slide
- Double the number of sample presentations per run
- Funnel markings correspond to slide markings for simple identification
- Pre-attached filter card
- Ideal for use with immunochemistry techniques

Qty.	Order Number
40/box	A78710005
200/cs.	A78710021

EZ Megafunnel with Cap and Slide

- Designed for convenient preparation of larger volume samples
- Cytofunnel designed for spinning large samples up to 6ml
- Minimises the need to pre-centrifuge
- Cell deposition area of 22 x 14.75mm (325mm²) for increased cell yield
- Prepares both air-dried and fixed preparations, providing additional valuable diagnostic information
- The Thermo Scientific™ EZ Megafunnel™ can be loaded outside the Centrifuge and it can stand on the worktop without a bench stand

Includes:

Thermo Scientific Megafunnel Cytoslides

Qty.	Order Number
25/box	A78710001

EZ Single Cytofunnel Bench Stand

- Convenient for loading samples outside of the Cytospin chamber
- Stainless steel construction
- Holds 12 EZ Cytofunnels

Qty.	Order Number
ea.	A78710022

Thermo Scientific™ Cytofunnels™

The original is still the most trusted clipped funnel available today

- Fits snugly against a specially marked Cytoslide
- Held in place with a Thermo Scientific Cytoclip
- Twelve assemblies fit into the Cytospin head
- Cytoclips easily unlock to dispose of the sample chamber and to remove the slide

Single Cytofunnel with White Filter Card

- Disposable sample chamber with white filter card and cap
- Use for sample volumes up to 0.5ml
- Pre-attached filter card

Qty.	Order Number
50/box	**5991040**
500/cs.	**1102548**

Single Cytofunnel with Brown Filter Card

- Disposable sample chamber with brown filter card and cap
- Use for sample volumes of 0.4ml or less
- Pre-attached filter card
- Excellent for scanty specimens such as CSF
- Increases cell yield

Qty.	Order Number
50/box	**5991043**

Double Cytofunnel

- Disposable sample chamber with white filter card and cap
- Reduces preparation time
- Funnel markings correspond to slide markings for simple identification
- Pre-attached filter card
- Ideal for use with immunochemistry techniques

Qty.	Order Number
25/box	**5991039**
500/cs.	**1102547**

How the Cytofunnel Works
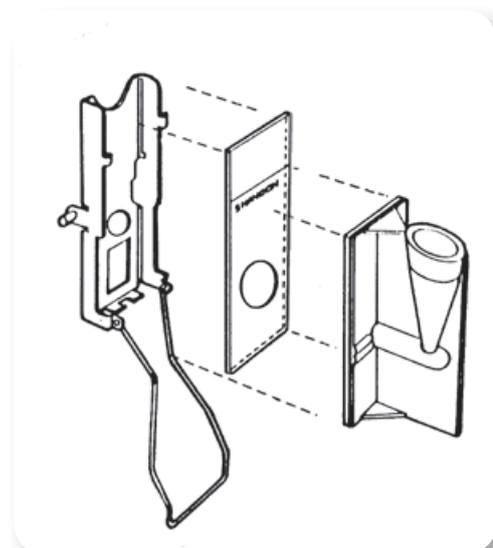
- The Cytofunnel fits snugly against a specially marked Thermo Scientific Cytoslide and is held in place by a Cytoclip. Twelve Cytoclip assemblies fit into the Cytospin head
- After cytocentrifugation, the Cytoclip easily unlocks to dispose of the sample chamber and to remove the slide

Cytology

Cytoclip Stainless Steel Slide Clip

- Holds Cytofunnel disposable sample chamber against the microscope slide
- For preparation in the Thermo Scientific Cytospin cytocentrifuge
- Autoclavable and reusable

Qty.	Order Number
6/box	**59910052**

TPX Single Sample Chamber, Caps and Filter Cards

- TPX Single Sample Chamber
- Reusable
- Autoclavable
- Use with disposable white filter cards for sample volumes up to 0.5ml
- Use with disposable brown filter cards for sample volumes of 0.4ml or less

Filter cards

- Highly absorbent disposable filter cards for use with TPX chamber
- Not for use with Cytofunnel disposable sample chambers
- Use white filter cards for samples up to 0.5ml
- Use brown filter cards for samples of 0.4ml or less

Description	Qty.	Order Number
TPX Sample Chamber	12/cs.	**A78710018**
Closure caps	12/cs.	**59910025**
Brown filter cards	200/box	**5991023**
White filter cards	200/box	**5991022**

Thermo Scientific™ Cytoslides™

- Microscope slides made specifically for cytology applications
- Specimen area is outlined for rapid location during screening
- All slides are 75 x 25mm
- Made from high-quality optical glass
- Coated slides
- Eliminate the need for albumin coating procedures
- Save labour and resource time
- Eliminate background staining on albuminised, IHC, or ISH processed slides
- Compatible with Thermo Scientific™ SlideMate™

Single Cytoslides

- For use with Thermo Scientific EZ Single Cytofunnel
- White, 12mm dia. circle defines the cell display area to allow for efficient and rapid location
- Uncoated slides available with circle on front or back
- Sold in boxes of 100 slides

Description	Order Number
Coated circle, back	**5991056**
Non-coated circle, back	**5991051**
Non-coated circle, front	**5991059**

Double Cytoslides

- For use with Thermo Scientific EZ Double Cytofunnel Chambers
- Each specimen is displayed within a circle marked as 1 or 2
- Number circles correspond with the Cytofunnel chamber
- Sold in boxes of 100 slides

Description	Order Number
Coated	**5991055**
Non-coated	**5991054**

Mask Cytoslides

- For immunofluorescence
- Black coating masks out UV light to restrict microscope viewing to the specimen
- Sold in boxes of 100 slides

Description	Order Number
Single circle, black mask	**5991057**
Double circle, blue mask	**B5991050**

Thermo Scientific Staining and Fixation Fluids

Signature Series Cyto-Stain

- Uniquely formulated cytoplasmic stain produces results similar to conventional Papanicolaou stains
- Use for all gynaecological and non-gynaecological procedures
- Reduces staining time
- Cost-effective because user performs only one counterstain, not two
- Cyto-Stain provides a full range of familiar cytoplasmic colours 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

Description	Qty.	Order Number
Cyto-Stain		
0.47L	4/cs.	**7511**
3.79L	ea.	**7501R**
Cyto-Stain G		
3.79L	ea.	**7501G**

Papanicolaou Stain OGs

- OG-6 stains the keratinized areas of the cell
- Modified OG is a Gill modification that minimises precipitation and reduces staining time
- Use OG-6 with EA-36 or EA-50 when staining gynaecological specimens
- Use modified OG with EA-65 for staining non-gynaecological specimens

Description	Qty.	Order Number
OG-6		
3.79L	ea.	**75211**

Papanicolaou Stain EAs

- Provide brilliant cytoplasmic staining for gynaecological and non-gynaecological specimens
- Different formulations offer the user control of the colour intensities and hues
- EA-36 and EA-50 are used in conjunction with OG-6 for gynaecological staining
- EA-65 is used with OG-6 for non-gynaecological staining
- Modified EA is a Gill modification that minimises precipitation, reduces staining time, and does not contain Bismarck Brown

Description	Qty.	Order Number
EA-36		
0.47L	4/cs.	**75404**
3.79L	ea.	**75411**
EA-50		
0.47L	4/cs.	**75504**
3.79L	ea.	**75511**
EA-65		
0.47L	4/cs.	**75604**
3.79L	ea.	**75611**
Modified EA		
0.47L	4/cs.	**75704**
3.79L	ea.	**75711**

Fix-Rite 2

- Spray fixative used for routine cytological preparations
- Coating protects cells when mailing or transporting slides to the laboratory
- Packaged in 4 oz. containers to allow the user complete control during application gynaecological staining

Description	Qty.	Order Number
Pump spray bottle	12/cs.	**76150**

Thermo Scientific Cytology Stains

Biological Stain Commission-certified dyes

EA-50 Stain
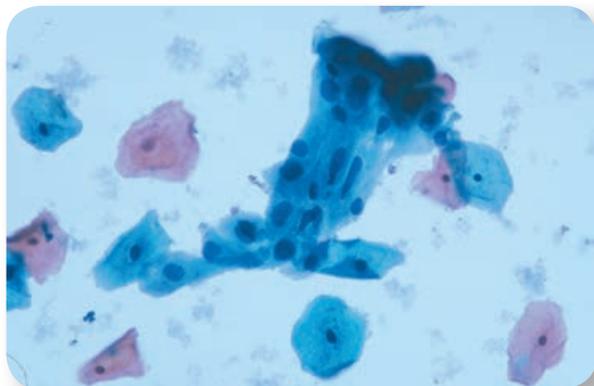
- Polychromatic cytoplasmic stain
- Clearly differentiates cellular components with pink, green and blue-green hues

Size	Qty.	Order Number
1L	2/cs.	**6766001**
4L	ea.	**6766002**

OG-6 Stain
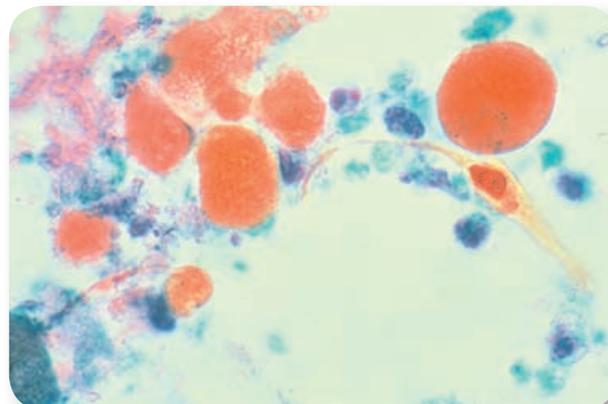
- Demonstrates keratin in cytoplasm

Size	Qty.	Order Number
1L	2/cs.	**6766005**
4L	ea.	**6766006**

EA-65 Stain
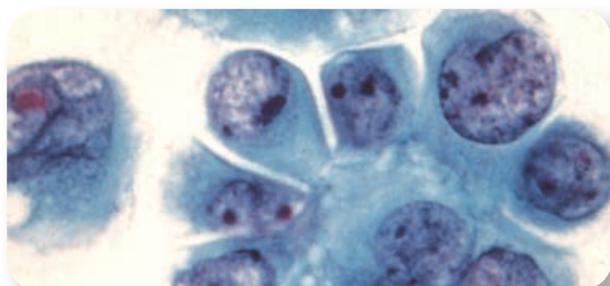
- Polychromatic cytoplasmic stain
- Lower concentration of light green improves expression of eosin stained components
- Ideal for thicker non-gynaecological preparations

Size	Qty.	Order Number
1L	2/cs.	**6766003**
4L	ea.	**6766004**

Thermo Scientific Cytology Consumables

Quality consumables for the best results

Thermo Scientific™ Cytospin™ Collection Fluid

- Ready-to-use alcohol/Carbowax (PEG) combination for direct specimen collection and fixation
- Permits storage of specimens or unstained slides for weeks without adverse effect
- Packaged in convenient pump bottle or pre-filled specimen cups

Description	Qty.	Order Number
Pump Bottle		
3.79L	ea.	**6768001**
Bottle		
500ml	2/cs.	**6768315**
10L	2/cs.	**9990310**
Cups		
120ml, filled to 60ml	125/cs.	**9990323**

Thermo Scientific™ CytoRich™ Red Collection Fluid

- Ready-to-use, alcohol-based fluid
- Lyses RBCs and solubilises proteins
- Compatible with immunohistochemistry
- Pre-filled containers available

Size	Qty.	Order Number
Bottle		
3.79L	ea.	**B9990800**
500ml	2/cs.	**B9990801**
Cups		
20ml, filled to 10ml	180/cs.	**B9990802**
120ml, filled to 60ml	125/cs.	**B9990803**

Thermo Scientific™ Cell-Fixx™ Spray Fixative

- Spray fixative for convenient preparation of slides
- Includes Carbowax, which coats the smear to maintain cellular detail
- Prevents air dying artefact and cell loss

Size	Qty.	Order Number
50ml	6/cs.	**6768326**

Thermo Scientific™ Mucolexx™

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

Description	Qty.	Order Number
Bottle		
500ml	4/cs.	**9990370**
3.79L	ea.	**9990371**
Cups		
120ml, filled to 60ml	50/cs.	**9990375**

Thermo Scientific Cell Preparation Systems

Cell preparation system designed for cytology applications

Thermo Scientific™ Octospot™ Starter Packs

- Cytocentrifuge cells from 8-well microlitre 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 Thermo Scientific™ Cytoclip™
- Solvent-resistant slides retain separate reagents in individual wells to prevent cross-contamination

Description	Order Number
With EZ-Write slides	**1001622**
With solvent-resistant slides	**1001623**

Accessories	Qty.	Order Number
Thick filter cards	100/pk.	**1001641**
Thin filter cards	200/pk.	**1001649**
8-well strips	5/cs.	**1001643**
8-well strips, loose	60/bag	**1001642**
Solvent-resistant slides, 8 spots	100/box	**1001645**
EZ-Write slides, 8 spots	100/box	**1001646**
Coverslips (pk.), 22 x 70mm, 1.0mm thick	10/cs.	**1001624**
Holding block	ea.	**1001644**
Slide rack lids	50/pk.	**1001647**

Thermo Scientific™ Cytoblock™ Cell Block Preparation System

- Facilitates processing of FNAs, tissue fragments and cell buttons quickly and reliably
- Increases ability to process scanty or unseen material for cell block and reduces loss of critical material
- Suitable for immunohistochemical techniques
- Replaces time-consuming, costly agar and thrombin techniques
- Requires phosphate-free fixative on processor, such as Thermo Scientific fixatives Zinc Formal-Fixx™, Formal-Fixx™ or Glyo-Fixx™ (formalin substitute); or simply bypass formalin fixation steps on processor
- Cytoblock can also be run on a rapid biopsy program

Description	Order Number
For 50 specimens	**7401150**
Replacement reagents, 11ml ea.	**7401151**

Thermo Scientific™ PapSpin™ Gynaecological Test

For ease, efficiency and the pure economics of Pap test methodology

Liquid based cytology system provides greater accuracy, ease of use and better results every time. Compatible with the Thermo Scientific™ Cytospin™ 4 Cytocentrifuge.

- For 100 tests
- Traditional cervical cell collection with broom device
- Tip deposited in collection vial containing preservative fluid
- 100% of collected cells are transferred to vial
- Uniform cell distribution in a thin layer
- Air drying eliminated
- Obscuring factors significantly reduced or eliminated
- Batch processing - 12 samples per run
- Random cell sample is deposited by cytocentrifugation onto glass slide using an EZ Megafunnel cell transfer chamber
- Results in a clearly defined 22 x 14.75mm screening area with uniform distribution
- Slides are stained with the traditional Papanicolaou method

Includes

Four PapSpin Specimen Collection Kits (containing 25 vials with fluid, 25 specimen collection brushes and specimen identification labels) and four Specimen Processing Kits (containing 25 EZ Megafunnels with caps and 25 slides).

Description	Qty.	Order Number
PapSpin Gynaelogical Test	100/pk.	**A78710006**
Collection Fluid	125ml	**6768351**
Collection Fluid	500ml x 2	**6768350**

Thermo Scientific™ Gross-Star™ Pathology Workstation

Organised workstation for the gross examination and sectioning of specimens

Superior Functionality

- Downdraft and/or backdraft ventilation
- Units with elevating or fixed-height work surface are available
- Elevating units have user-adjustable work surface height of 84 to 104cm
- Fixed-height units have a work surface that is factory set to your specification from 84 to 104cm
- Deep sink with cold/hot water tap (removable for easy
- cleaning)
- ½hp or ¾ hp disposals are available (please check with local authorities before ordering a unit with a disposal; some areas prohibit the use of disposals)
- Optional hands-free foot pedal controls cold/hot water tap, optional dictation system and optional formalin dispensing system
- Abundant light is directed to the work surface
- Vacuum breaker-protected water supply
- Appliances plug directly into the unit for convenient use
- Two optional tape recording units available
- Ventilated base cabinet
- Fume removal is efficient and quiet
- Optional camera and monitor/keyboard brackets are available
- Camera bracket slides along the width of the unit

- Monitor bracket is designed to hold a thin flat-screen display monitor
- Each unit comes with an integral centimetre ruler on the front lip of the table top
- Built-in manifold rinse washes down wetted internal surfaces quickly
- Perforated grid plates on work surface (removable for easy cleaning)

Superior Quality

- Standard Type 304 or optional Type 316 stainless steel construction
- Rugged design provides stability and is built tough to withstand years of extensive work without corrosion
- Perforated grid plates are standard type 316 stainless steel construction
- Designed for Easy Delivery and Installation

Pathology Workstations

110-120V units

Draw 20 amps and require a separate 15 amp circuit for one hospital-grade duplex earthing fault current interrupter receptacle

220-240V units

Draw 20 amps, including up to 7 amps by one IEC 320 point-of-use receptacle, with facility-supplied residual current device (RCD) protection required

Physical Specifications

Overall Dimensions (H x W x D): 213 to 233 x 152 x 76cm

Work Surface Height (specified by customer): 84 to 104cm

Sink (W x L x D): 36 x 41 x 19cm

Top Piece Weight: Uncrated - 125kg; Crated - 170kg

Bottom Piece Weight: Uncrated - 182kg; Crated - 227kg

Plumbing specifications

- 19mm hot and cold water supply lines with shut off valves and 38mm drain line must be supplied
- 13mm industrial-grade flexible hoses with 19mm female hose fittings are supplied for connection to water supply lines
- 38mm I.D. reinforced flexible hose is provided for connection to facility drain line

Certifications and Compliance

UL/cUL (110-120V only); CE (220-240V only); CSA NRTL/C (pending)

Includes†

Fixed-height work surface (specify height within range of 84 to 104cm), remote exhaust, downdraft ventilation, ventilated base cabinet, removable sink, cold/hot water tap with manual controls, manifold rinse with manual control, hand spray, electrical receptacle, centimetre ruler on front lip of table top, adjustable lower shelf (W x D): 41 x 20cm, fixed upper shelf, fluorescent light, type 304 stainless steel construction and integrated glove dispenser.

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

Description	Order Number
Elevating 110-120V, 60Hz, 1Ph	
Recirculating exhaust	B21100
External exhaust	B21101
Remote exhaust	B21102
Fixed Height 110-120V, 60Hz, 1Ph	
Recirculating exhaust	B21103
External exhaust	B21104
Remote exhaust	B21105
Elevating 220-240V, 50/60Hz, 1Ph	
Recirculating exhaust	B21200
External exhaust	B21201
Remote exhaust	B21202
Fixed Height 220-240V, 50/60Hz, 1Ph	
Recirculating exhaust	B21203
External exhaust	B21204
Remote exhaust	B21205

Units with left-hand sinks are available upon request

Factory Installed Options

Description	Order Number
110-120V, ½hp disposal	B21111
220-240V, ½hp disposal	B21127
110-120V formalin dispenser w/ foot pedal	B21116
220-240V formalin dispenser w/ foot pedal	B21128
Back- & down-draft fume capture system	B21216
Back-draft fume capture system	B21114
Halogen task lamp	B1001405
Hood assembly	B21113
Left-hand sink	Special order
Type 316 stainless steel construction	Special order

Accessories

Description	Order Number
Adjustable shelf, (W x D) 41 x 20cm	**B21203**
Camera bracket	**B21125**
Camera bracket adapter for use with hood assembly	**B21126**
Fresh formalin dispensing carboy	**104395**
Magnifier for task lamp	**B1001326**
Movable dictation recorder rack	**10629**
Movable requisition rack	**105417**
Photographic blue polyethylene dissecting board	**B36115**
Formaldehyde-neutralising (potassium permanganate) filters/fine particle filter packs	**9990850**
Shelf for Thermo Scientific™ PrintMate™	**B21215**
Splash shield on flexible arm (requires drilling for installation)	**B21201**
Thin monitor/keyboard bracket	**B21110**
Ventilated waste bin (specify left or right side)	**B21115**

Optional monitor/keyboard brackets

Optional dictation system

Sink, tap, hand spray and manual manifold rinse control valve

Choosing an Exhaust System to Fit Your Lab

Re-circulating

For existing labs or labs without facility exhaust, it may be necessary to filter and re-circulate the air. Specify a unit with integral blowers and filters.

External exhaust

For distances that do not exceed 6.1m, you may choose a unit with integral blower and optional filters that may be connected to your facility's exhaust duct for venting.

Remote exhaust

If your facility can supply an exhaust duct and remote blower system that provides an airflow of 0.260 to 0.283m³/s, a ducted unit will best suit your needs. (Facility duct and remote blower by others; no filters.)

Validated Exhaust Efficiencies

Re-circulating	External‡	Remote
N/A	N/A	Recommended Exhaust Airflow Volume 0.260 - 0.283m³/s.
N/A	N/A	Pressure Loss through Unit with Downdraft 0.17 - 0.20mb
N/A	N/A	Pressure Loss through Unit with Backdraft 0.47 - 0.57mb
Average Capture Velocity with Downdraft at 7.5cm above work surface:		
0.152 - 0.168m/s	0.279 - 0.300m/s	0.371 - 0.406m/s
Average Capture Velocity with Backdraft at back of work surface:		
0.406 - 0.427m/s	0.635 - 0.676m/s	0.798 - 0.874m/s
Average Capture Velocity with Optional Backdraft at front of work surface:		
0.203 - 0.224m/s	0.229 - 0.259m/s	0.305 - 0.335m/s
Average Face Velocity with Optional Hood Assembly:		
0.254 - 0.305m/s	0.432 - 0.483m/s	0.584 - 0.635m/s

‡ *Data represents units without filters. With filters, external exhaust capture and face velocities are similar to re-circulating data.*

Re-circulating	Use of filters is required.
External Exhaust	Use filters if required for application.
Remote exhaust	No filters are required.

Flexible Exhaust Duct Adapter for Elevating Units

Connects to your facility's exhaust duct system to permit unit height adjustment. This piece is supplied separately and is fitted to the top of elevating external and remote exhaust units.
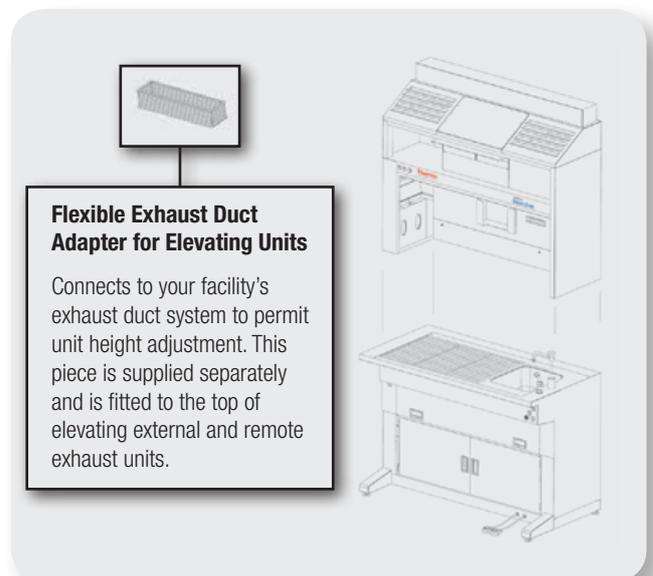
Thermo Scientific™ Gross-Star™ Pathology Work Bench

For the gross examination and sectioning of specimens

Superior Functionality

- Downdraft and/or backdraft ventilation
- Units with elevating or fixed-height work surface are available
- Elevating units have user-adjustable work surface height of 84 to 104cm
- Fixed-height units have a work surface that is factory set to your specification from 84 to 104cm
- Deep sink with cold/hot water tap (removable for easy cleaning)
- ½hp or ¾hp disposals are available (please check with local authorities before ordering a unit with a disposal; some areas prohibit the use of disposals)
- Optional hands-free foot pedal controls cold/hot water tap and optional formalin dispensing system
- Vacuum breaker-protected water supply
- Appliances plug directly into the unit for convenient use
- Ventilated base cabinet
- Fume removal is efficient and quiet
- Each unit comes with an integral centimeter ruler on the front lip of the tabletop
- Built-in manifold rinse washes down wetted internal surfaces quickly
- Perforated grid plates on work surface (removable for easy cleaning)

Superior Quality

- Standard Type 304 or optional Type 316 stainless steel construction
- Rugged design provides stability and is built tough to withstand years of extensive work without corrosion
- Perforated grid plates are standard Type 316 stainless steel construction

Designed for Quick and Easy Installation

- Work bench is supplied through a standard 81cm doorway
- Connects directly to facility cold/hot water supplies and drains
- Units are hardwired to facility electrical system
- Workbench ships in one convenient assembly

Recommended Depth from Front of Unit to Wall

For the purpose of room planning, backs of fixed-height units can be flush to walls

Elevating units require approximately 2.5cm clearance between the back of the unit and wall to accommodate height adjustment

110-120V units

Use 20 amps and require a separate 15 amp circuit for one hospital-grade duplex earthing fault current interrupter receptacle

220-240V units

Draw 20 amps, including up to 7 amps by one IEC 320 point-of-use receptacle, with facility-supplied residual current device (RCD) protection required

Physical Specifications

Overall Dimensions (H x W x D): 114 to 135 x 152 x 76cm

Work Surface Height (specified by customer): 84 to 104cm

Sink (W x L x D): 36 x 41 x 19cm

Weight: Uncrated - 193kg; Crated - 250kg

Plumbing Specifications

- 19mm hot and cold water supply lines with shut-off valves and 38mm drain line must be supplied
- 13mm industrial-grade flexible hoses with 19mm female hose fittings are supplied for connection to water supply lines
- 38mm I.D. reinforced flexible hose is provided for connection to facility drain line

Includes†

Fixed height work surface; height to be specified by customer with range of 84 to 104cm, remote exhaust, downdraft ventilation, ventilated base cabinet, removable sink, cold/hot water tap with manual control, manifold rinse with manual control, hand spray, electrical receptacle, centimetre ruler on front lip of tabletop, type 304 stainless steel construction

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

Certifications and Compliance

UL/cUL (110-120V only); CE (220-240V only); CSA NRTL/Cfor cold/hot water faucet (pending)

Description	Order Number
Fixed Height 110-120V, 60Hz, 1Ph	
Remote exhaust	**B21106**
Elevating 110-120V, 60Hz, 1Ph	
Remote exhaust	**B21107**
Fixed Height 220-240V, 50/60Hz, 1Ph	
Remote exhaust	**B22206**
Elevating 220-240V, 50/60Hz, 1Ph	
Remote exhaust	**B22207**

Description	Order Number
Magnifier for task lamp	**B1001326**
Movable dictation recorder rack	**10629**
Movable requisition rack	**105417**
Photographic blue polyethylene dissecting board	**B36115**
Formaldehyde-neutralising (potassium permanganate) filters/fine particle filter packs	**9990850**
Shelf for Thermo Scientific™ PrintMate™	**B21215**
Splash shield on flexible arm (requires drilling for installation)	**B21201**
Ventilated waste bin (specify left or right side)	**B21115**

Factory Installed options

Description	Order Number
110-120V, ½hp disposal	**B21111**
220-240V, ½hp disposal	**B21127**
110-120V formalin dispenser w/ foot pedal	**B21116**
220-240V formalin dispenser w/ foot pedal	**B21128**
Back- & down-draft fume capture system	**B21216**
Back-draft fume capture system	**B21114**
Halogen task lamp	**B1001405**
Left-hand sink	**Special order**
Type 316 stainless steel construction	**Special order**

Remote Exhaust

If your facility can supply an exhaust duct and remote blower system that provides an airflow of 0.260 to 0.283m³/s, a ducted unit will best suit your needs. (Facility duct and remote blower by others; no filters.)

Validated Exhaust Efficiencies

Remote exhaust

Recommended Exhaust Airflow Volume: 0.260 – 0.283m³/s

Pressure loss through unit with standard downdraft: 0.37 – 0.45mb

Pressure loss through unit with optional backdraft: 0.67 – 0.82mb

Average Capture Velocity with Downdraft at 7.cm above work surface:

0.366 – 0.396m³/s

Average Capture Velocity with Backdraft at back of work surface:

0.792 – 0.864m³/s

Average Capture Velocity with Backdraft at front of work surface:

0.300 – 0.325m³/s

Thermo Scientific™ Grosslab™ Senior Pathology Workstation

Superior quality, value-packed pathology workstation

Superior Functionality

- Retractable acrylic side splash shields
- Units with elevating or fixed-height work surface are available
- Elevating units have a user-adjustable work surface height from 85 to 116cm
- Fixed-height units have a work surface that is factory set to your specification from 85 to 116cm
- Deep sink with cold/hot water tap
- ½hp or ¾hp disposals are available (please check with local authorities before ordering a unit with disposal; some areas prohibit the use of disposals)
- Proximity or manual controls for water, optional disposal and optional dictation system
- Abundant light is directed to the work surface
- Vacuum breaker-protected water supply
- Appliances plug directly into the unit for convenient use
- Two optional tape recording units available
- Each unit comes complete with an integral centimetre ruler
- Built-in end table rinse washes down work surfaces quickly
- Optional camera and monitor/keyboard brackets are available

Three Ventilation System Options

- Re-circulating and external exhaust models feature formaldehyde neutralising filters
- External exhaust models include an integral blower for short distances
- Remote models connect to the facility exhaust system

Superior Quality

Stainless steel work surfaces and panels

- Extruded aluminium frame is designed to distribute weight evenly, stand up to heavy use, resist corrosion, add durability and minimise unit weight
- Built tough to stand up to years of extensive work without corrosion

Designed for Easy Delivery and Installation

- All units are supplied in two convenient pieces
- Both parts fit through a standard 81cm doorway
- The two assemblies link firmly with easy-to-assemble integral cam latches
- Connects directly to facility's cold/hot water supplies and drain
- Units are hardwired to the facility's electrical system

110-120V Models

Use 20 amps and require a separate 15 amp circuit for one hospital-grade duplex earthing fault current interrupter receptacle

220-240V Models

Use 20 amps, including up to 7 amps by two IEC 320 receptacles, with facility-supplied residual current device (RCD) protection required

Physical Specifications

Overall Dimensions (H x W): 206 to 236 x 152cm

Depth shown on next page

Work Surface Height (customer-specified on fixed height models): 85 to 116cm

Sink (L x W x D): 36 x 30.5 x 15cm

Top Piece Weight: Uncrated - 129kg; Crated - 170kg

Bottom Piece Weight: Uncrated - 215.5kg; Crated - 247kg

Plumbing Specifications

- 19mm hot and cold water supply lines with shut off valves and 38mm drain line must be supplied
- 13mm industrial-grade flexible hoses with 19mm female hose fittings are supplied for connection to water supply lines
- 38mm I.D. reinforced flexible hose is provided for connection to facility drain line

Installed Depth of Grosslab Units:

- Elevating, re-circulating units: 93cm
- Elevating, external exhaust units: 96.5cm
- Elevating, remote exhaust units: 96.5cm
- Fixed-height, re-circulating units: 83cm
- Fixed-height, external exhaust units: 93cm
- Fixed-height, remote exhaust units: 93cm

Includes†

Fixed height work surface within range of 86 to 116cm, remote exhaust, louvred backdraft ventilation, sink, cold/hot water tap with manual controls, built-in end table rinse with manual controls, hand spray, electrical receptacle, centimeter ruler on front lip of table top, fixed lower shelf, fixed upper shelf, fluorescent light, Type 304 stainless steel table top and panels, extruded aluminium frame and retractable acrylic side splash shields.

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

Description	Order Number
Elevating 110-120V, 60Hz, 1Ph w/ proximity sensing controls	
Recirculating exhaust	**9700**
External exhaust	**97001**
Remote exhaust	**97002**
Fixed Height 110-120V, 60Hz, 1Ph w/ proximity sensing controls	
Recirculating exhaust	**97003**
External exhaust	**97004**
Remote exhaust	**97005**
Elevating 110-120V, 60Hz, 1Ph w/ manual controls	
Recirculating exhaust	**97006**
External exhaust	**97007**
Remote exhaust	**97008**
Fixed Height 110-120V, 60Hz, 1Ph w/ manual controls	
Recirculating exhaust	**97009**
External exhaust	**970010**
Remote exhaust	**970011**
Elevating 220-240V, 50/60Hz, 1Ph w/ proximity sensing controls	
Recirculating exhaust	**970022**
External exhaust	**9700122**
Remote exhaust	**9700222**
Fixed Height 220-240V, 50/60Hz, 1Ph w/ proximity sensing controls	
Recirculating exhaust	**9700322**
External exhaust	**9700422**
Remote exhaust	**9700522**
Elevating 220-240V, 50/60Hz, 1Ph w/ manual controls	
Recirculating exhaust	**9700622**
External exhaust	**9700722**
Remote exhaust	**9700822**
Fixed Height 220-240V, 50/60Hz, 1Ph w/ manual controls	
Recirculating exhaust	**9700922**
External exhaust	**97001022**
Remote exhaust	**97001122**

Factory Installed Options

Description	Order Number
Task lamp 110-120V	B1005102
Task lamp 220-240V	B1005202
Tea strainer tap	B21246
Foot pedal controls for hot/cold water tap	B21221
Left hand sink	Special order
Type 316 stainless steel construction	Special order

Accessories

Description	Order Number
Camera bracket	10661
Fresh formalin dispensing carboy	104395
Magnifier for task lamp	B1001326
Movable dictation recorder rack	10629
Movable requisition rack	105417
Photographic blue polyethylene dissecting board	B36115
Formaldehyde-neutralising (potassium permanganate) filters/fine particle filter packs	9990850
Shelf for Thermo Scientific™ PrintMate™	B21229
Splash shield on flexible arm (requires drilling for installation)	B21201
Thin monitor/keyboard bracket	B10708
Ventilated waste bin (specify left or right side)	B21115

Choosing an Exhaust System to Fit Your Lab

Re-circulating

For existing labs or labs without facility exhaust, it may be necessary to filter and re-circulate the air. Specify a unit with integral blowers and filters.

External Exhaust

For distances that do not exceed 6.1m, you may choose a unit with integral blower and optional filters that may be connected to your facility's exhaust duct for venting. (Facility duct and remote blower, if required, by others.)

Remote exhaust

If your facility can supply an exhaust duct and remote blower system that provides an air flow of 0.236m³/s, a ducted unit will best suit your needs. (Facility duct and remote blower by others; no filters.)

Validated Exhaust Efficiencies

Re-circulating	External	Remote
N/A	N/A	Average Air Velocity at 0.236m³/s
N/A	N/A	Pressure loss through unit 1.02mb

Vented Area with Side Panels:			
0.452m³/s	0.538m³/s	Without Filters	0.650m³/s
	0.406m³/s	With Filters	

Front of Unit with Side Panels:			
0.193m³/s	0.279m³/s	Without Filters	0.351m³/s
	0.112m³/s	With Filters	

Options

- Proximity-sensing controls for cold/hot water tap, table rinse and optional disposal
- Table rinse with manual controls supplied as standard.
- May be ordered with optional proximity controls
- Units have 15cm deep sinks. An optional tea strainer and separate tap and strainer for rinsing currettings and other small specimens is available. Deeper sinks are available
- Call for details

Thermo Scientific™ Grosslab™ Junior Bench Top Workstation

Space-saving bench top pathology workstation

Features

- Rapid positive drainage
- Quick, easy installation
- Three exhaust system options
- Ergonomically designed to be low to the counter
- Use with optional stand (10456) to free up counter space
- Back draught design for efficient capture of fumes across the work surface
- Programmable microprocessor allows clock time to be changed or the filter replacement alarm to be reset
- Optional splash shield (10486) protects the user while dissecting specimens
- Flat, stainless steel work surfaces include three removable perforated grid plates on bench top units
- One IEC 320 Power Entry Module and one point-of-use power cord
- Requires facility receptacles with 15 amp circuits for each power cord
- Industrial-grade flexible hose connects to cold water supply line
- NPT connection and reinforced flexible hose connect to facility drain line
- 110-120V models use 15 amps, including the two hospital grade duplex earth fault circuit interrupter receptacles
- 220-240V models use 15 amps, including the four IEC 320
- receptacles with facility-supplied residual current device (RCD) protection required

Physical Specifications

Overall Dimensions (H x W x D):

   Re-circulating: 116 x 122 x 71cm

   External: 134 x 122 x 71cm

   Remote: 134 x 122 x 71cm

Work Surface Height: 44mm above bench top

Recommended Depth: 74cm from front of unit to wall

Sink (W x L x D): 46 x 15 x 10cm

Weight: Uncrated - 136kg; Crated - 159kg

Includes†

Remote exhaust, louvred backdraft ventilation, centre sink on lower shelf, cold water tap with rocker switch for user choice of proximity sensing control or manual control, deluxe hand spray, electrical receptacles, centimetre ruler on front lip of table top, fixed lower shelf, fixed upper shelf, fluorescent light, Type 304 stainless steel construction, programmable microprocessor for date, time and filter replacement alarm, one 13mm industrial-grade flexible hose with 19mm female hose fittings for connection to cold water supply line, one 19mm NPT connection and 25mm I.D. reinforced flexible hose for connection to facility drain line

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

Description	Order Number
Elevating 110-120V, 60Hz, 1Ph	
Recirculating exhaust	**9600**
External exhaust	**96001**
Remote exhaust	**96002**
Fixed Height 220-240V, 60Hz, 1Ph	
Recirculating exhaust	**960022**
External exhaust	**9600122**
Remote exhaust	**9600222**

Choosing an Exhaust System to Fit Your Lab

Re-circulating

For existing labs or labs without facility exhaust, it may be necessary to filter and re-circulate the air. Specify a unit with integral blowers and filters.

External Exhaust

For distances that do not exceed 6.1m, you may choose a unit with integral blower and optional filters that may be connected to your facility's duct for venting. (Facility duct and remote blower, if required, by others.)

Remote Exhaust

If your facility can supply an exhaust duct and remote blower system that provides an air flow of 0.189m³/s, a ducted unit will best suit your needs. (Facility duct and remote blower; no filters.)

Validated Exhaust Efficiencies

Re-circulating	
Vented Area:	0.604 - 0.615m/s
Front of Unit:	0.051m/s
External	
Vented Area:	0.620 - 0.625m/s
Front of Unit:	0.051 - 0.066m/s
Remote	
Average air velocity at 0.189m³/s exhaust air flow:	
Vented Area:	0.752m/s
Front of Unit:	0.076m/s
Pressure Loss Through Unit:	2.87mb

Re-circulating	Use of filters is required.
External Exhaust	Use filters if required for application.
Remote exhaust	No filters are required.

Factory Installed Options

Description	Order Number
Task lamp 110-120V	**B1005370**
Task lamp 220-240V	**B1005372**

Accessories

Accessories	Order Number
Fluorescent magnifier lamp 110-120V	**1001755**
Fluorescent magnifier lamp 220-240V	**1002303**
Fresh formalin dispensing carboy	**104395**
Magnifier for task lamp	**B1001326**
Movable dictation recorder rack	**10629**
Movable requisition rack	**105417**
Movable tea strainer bracket and tea strainer	**B21237**
Photographic blue polyethylene dissecting board	**B36115**
Replacement filter	**1001618**
Splash shield on flexible arm (requires drilling for installation)	**10707**
Stand with extruded aluminium frame and stainless steel shelf - manual height adjustment	**10456**
Stand with extruded aluminium frame and stainless steel shelf - automatic height adjustment 110-120V	**B10113**
Stand with extruded aluminium frame and stainless steel shelf - automatic height adjustment 220-240V	**B10114**

Optional stand (Order No.10456) transforms the bench top unit into a stand-alone workstation. Sturdy, extruded aluminium frame with stainless steel shelf can be height adjusted from 71 to 107cm

Thermo Scientific™ Grosslab™ Junior Workstation

Space saving stand-alone pathology workstation

Features

- Rapid positive drainage
- Stainless steel construction
- Quick, easy installation
- Abundant fluorescent light is directed to the work surface
- Three exhaust ventilation options: Re-circulating, external exhaust or remote exhaust
- Backdraft design for efficient, quiet fume removal
- Noise levels measure less than 65 decibels
- Appliances plug into the unit for convenient use
- Two IEC 320 power entry modules and two point-of-use power cords require facility receptacles with 15 amp circuits for each power cord
- Two industrial-grade flexible hoses with 19mm female hose fittings connect to cold and hot water supply lines
- Reinforced flexible hose connects to facility drain line
- 110-120V models use 15 amps including the two hospital grade duplex earthing fault circuit interrupter receptacles
- 220-240V models use 15 amps including the four IEC 320 receptacles with facility-supplied residual current device (RCD) protection required

Physical Specifications

Overall Dimensions (H x W x D):

   Re-circulating: 199 x 122 x 71cm

   External: 217 x 122 x 71cm

   Remote: 217 x 122 x 71cm

Work Surface Height: 91cm

Sink (L x W x D): 36 x 30.5 x 25cm

Weight: Uncrated - 227kg; Crated - 272kg

Includes†

Remote exhaust, louvred backdraft, sink, cold/hot water tap with manual controls, hand spray combined with cold/hot water tap, electrical receptacles, centimetre ruler on front lip of table top, fixed lower shelf, fixed upper shelf, fluorescent light, Type 304 stainless steel construction, programmable microprocessor for date, time and filter replacement alarm, two 13mm industrial-grade flexible hoses for connection to cold and hot water supply lines, reinforced flexible hose, 38mm I.D. for connection to facility drain line.

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

Description	Order Number
110-120V, 60Hz, 1Ph	
Recirculating exhaust	**96003**
External exhaust	**96004**
Remote exhaust	**96005**
220-240V, 60Hz, 1Ph	
Recirculating exhaust	**9600322**
External exhaust	**9600422**
Remote exhaust	**9600522**

Factory Installed Options

Description	Order Number
Task lamp 110-120V	**B1005370**
Task lamp 220-240V	**B1005372**
Foot pedal controls for hot/cold water tap	**B21240**
Left hand sink	**Special order**
Type 316 stainless steel construction	**Special order**

Accessories

Accessories	Order Number
Fluorescent magnifier lamp 110-120V	**1001755**
Fluorescent magnifier lamp 220-240V	**1002303**
Fresh formalin dispensing carboy	**104395**
Magnifier for task lamp	**B1001326**
Movable dictation recorder rack	**10629**
Movable requisition rack	**105417**
Movable tea strainer bracket and tea strainer	**B21237**
Photographic blue polyethylene dissecting board	**B36115**
Replacement filter	**1001618**
Splash shield on flexible arm (requires drilling for installation)	**B21201**
Ventilated waste bin (specify left or right side)	**B21115**

Choosing an Exhaust System to Fit Your Lab

Re-circulating

For existing labs or labs without facility exhaust, it may be necessary to filter and re-circulate the air. Specify a unit with integral blowers and filters.

External Exhaust

For distances that do not exceed 6.1m, you may choose a unit with integral blower and optional filters that may be connected to your facility's duct for venting. (Facility duct and remote blower, if required, by others.)

Remote Exhaust

If your facility can supply an exhaust duct and remote blower system that provides an air flow of 0.189m³/s, a ducted unit will best suit your needs. (Facility duct and remote blower; no filters.)

Validated Exhaust Efficiencies

Re-circulating	
Vented Area:	0.604 - 0.615m/s
Front of Unit:	0.051m/s
External	
Vented Area:	0.620 - 0.625m/s
Front of Unit:	0.051 - 0.066m/s
Remote	
Average air velocity at 0.189m³/s exhaust air flow:	
Vented Area:	0.752m/s
Front of Unit:	0.076m/s
Pressure Loss Through Unit:	2.87mb

Re-circulating	Use of filters is required.
External Exhaust	Use filters if required for application.
Remote exhaust	No filters are required.

Thermo Scientific Grossing Station Accessory Chart

The easy way to compare Thermo Scientific Grossing Station features side by side

1. Gross-Star Pathology Workstation
2. Gross-Star Pathology Work Bench
3. Grosslab Senior Pathology Workstation
4. Grosslab Junior Bench Top Workstation
5. Grosslab Junior Stand-Alone Workstation

I = Included with Product A = Available Accessory	1	2	3	4	5
½hp Disposal with Rocker Switch	A	A	A		A
¾hp Disposal with Rocker Switch	A	A	A		A
36 x 30.5 x 15cm Sink			I		
36 x 30.5 x 25cm Sink					I
41 x 20cm Adjustable Lower Shelf	I				
41 x 36 x 19cm Sink	I	I			
15 x 46 x 10cm Sink Centred on Lower Shelf				I	
Additional 41 x 20cm Adjustable Lower Shelf	A				
Perforated Backdraft Ventilation (no downdraft)	A	A			
Built-in table rinse with manual control			I		
Camera bracket	A		A	A	A
Camera Bracket Adapter (for use with Hood Assembly)	A				
Centimetre ruler (on front lip of table top)	I	I	I	I	I
Cold Water Tap with Rocker Switch for User Choice of Proximity Sensing Control or Manual Control				I	
Cold/Hot Water Tap	I	I	I		I
Downdraft ventilation	I	I			
Elevating Height (user-adjustable table top height from 71 - 107cm)			A		
Elevating Height (user-adjustable table top height from 84 - 104)	A	A			
External Exhaust with Integral Blower (via facility duct; no filters; replaces Remote Exhaust on basic unit)	A		A	A	A
Fixed Height (table top height from 85 - 116cm, to be specified by customer)			I		
Fixed Height (table top height from 84 - 104cm, to be specified by customer)	I	I			
Fixed Table Top Height of 91cm					I
Fixed lower shelf			I	I	I
Fixed upper shelf	I		I	I	I
Fluorescent light	I		I	I	I
Fluorescent Magnifier Lamp				A	A
Foot-Pedal Controls for Cold/Hot Water Tap	A	A	A		A
Foot-pedal control for optional disposal			A		A
Foot-Pedal Control for Table Rinse			A		
Fresh Formalin Dispensing Carboy	A		A	A	A
Glove Dispenser	I				
Hand spray			I		
Hand spray combined with cold/hot water tap					I
De-luxe hand spray	I	I		I	
Hood Assembly	A				
Louvred backdraft ventilation			I	I	I
Magnetic instrument bar	A	A	A	A	A

I = Included with Product A = Available Accessory	1	2	3	4	5
Magnifier for Task Lamp	A	A	A	A	A
Magnifier on Flexible Arm with Mounting Bracket	A	A	A	A	A
Manifold rinse with manual control	I	I			
Movable dictation recorder rack	A		A	A	A
Movable requisition rack	A		A	A	A
Movable Tea Strainer Bracket and Tea Strainer (for use with water tap)				A	A
Photographic Blue Polyethylene Dissecting Board	A	A	A	A	A
Point-of-use electrical receptacle(s)	I	I	I	I	I
Programmable Microprocessor for Date, Time and Filter Replacement Alarm			A	I	I
Proximity Sensing Controls for Cold/Hot Water Tap, Table Rinse and optional Disposal (no foot pedal controls)			A		
Re-circulating Exhaust with Set of Filters and Integral Blower (replaces Remote Exhaust on basic unit)	A		A	A	A
Remote Exhaust (via facility duct and blower provided by others; no filters)	I	I	I	I	I
Removable sink	I	I			
Retractable Acrylic Side Splashes			I		
Shelf for MicroWriterq Cassette Labeller	A	A	A	A	A
Splash Shield on Flexible Arm	A	A	A	A	A
Stand with extruded aluminium frame and stainless steel Shelf with Back Panel (so that bench top unit can be used as a stand-alone workstation; height adjustable from 71 - 107cm during unit installation)				A	
Integrated Dictation System with Standard Cassette recorder, proximity microphone and foot pedal controls	A		A	A	A
Integrated Dictation System with Microcassette Recorder, Proximity Microphone and Foot Pedal Controls	A		A	A	A
Stand-Alone Dictation System with Standard Cassette Recorder, Hand-held Microphone and Power Supply	A	A	A	A	A
Stand-alone dictation system with microcassette recorder, microphone and power supply	A	A	A	A	A
Task Lamp (halogen; quantity of 1 or 2 to be specified by customer; if quantity is 1, location on left or right side of unit to be specified by customer)	A	A	A	A	A
Tea Strainer Tap with Manual Controls, Tea Strainer Bracket and Tea Strainer			A		
Thin Monitor/Keyboard Brackets	A	A			
Towel Dispenser for C-fold Towels	A		A	A	A
Type 304 stainless steel construction	I	I		I	I
Type 304 stainless steel table top and panels; Extruded aluminium frame				I	
Type 316 stainless steel construction (special order)	A	A		A	A
Type 316 stainless steel table top and panels; Extruded Aluminium frame (special order)			A		
Ventilated base cabinet	I	I			
Ventilated waste bin (location on left or right side of unit to be specified by customer)	A	A	A		
Waste formalin collection system	A	A	A		A
Waste Formalin Collection System with High Level Audible and Visual Alarms	A	A	A		A
Waste Formalin Collection System with High Level Audible and Visual Alarms and Fresh Formalin Dispensing System with Foot Pedal Control and Low Level Audible and Visual Alarms	A	A	A		

Thermo Scientific Bench Top Fume Expeller

- Low profile, efficient unit with up to 12 dual-speed fans
- Units are portable and can be moved where needed
- Each fan is rated at 0.034m/s³ in free air
- Dual 110-120/220-240V switch on back of unit
- Stainless steel construction
- Replace filter from top of unit
- Can be attached to facility's duct work for outside venting
- 71cm re-circulating model includes one charcoal filter
- 112cm re-circulating unit includes two charcoal filters
- 152cm re-circulating unit includes three charcoal filters

Physical Specifications

Dimensions (H x W x D) 15 x 71 or 112 or 152 x 16.5cm

Weight:

71cm Unit: 19kg

112cm Unit: 29.5kg

152cm Unit: 45kg

Power Requirements (each blower):

Dual Voltage 110-120V or 220-240V, 50/60Hz, 1Ph

Includes

Charcoal filters (281116)

Description	Order Number
Re-circulating	
15 x 71cm	**281128**
15 x 112cm	**281144**
16.5 x 152cm	**281160**
Ducted	
15 x 71cm	**2811428**
15 x 112cm	**2811444**
16.5 x 152cm	**2811460**

Accessories	Order number
Charcoal filters (Re-circulating units only)	**281116**
Formaldehyde-neutralising filters (potassium permanganate)	**860014**

Thermo Scientific Filter Guide

Guide to replacement filters for Thermo Scientific pathology and fume control products

Use with	Size	Qty.	Order Number
Charcoal filters			
Hyperclean™ 2	6.7 x 27.9 x 27.9cm	ea.	**9990615**
Hyperclean 1, Hyperclean 20, Hyperclean 22, Hyperclean 36, Hyperclean 60	29 x 15 x 3.3cm	ea.	**9990610**
Hyperclean 1, Hyperclean 20, Hyperclean 22, Hyperclean 36, Hyperclean 60	29 x 15 x 3.3cm	6/pk.	**7411258**
Early Lipshaw Fume Hoods (S, SX and TP X-Pellers)	30.5 x 30.5 x 3.8cm	ea.	**2801**
Bench Top Fume Expeller	38.9 x 15.4 x 3.1cm	ea.	**281116**
Fine Particle Filters			
Hyperclean 1, Hyperclean 20, Hyperclean 22, Hyperclean 36, Hyperclean 60	29 x 15 x 3.3cm	ea.	**9990611**
Formaldehyde Neutralising Filters (Potassium Permanganate)			
Hyperclean 1, Hyperclean 20, Hyperclean 22, Hyperclean 36, Hyperclean 60	29 x 15 x 3.3cm	ea.	**9990612**
Grosslab™ V Series 8600, Bench Top Fume Expeller	38.9 x 15.4 x 3.1cm	ea.	**860014**
Formaldehyde Neutralising (Potassium Permanganate) Filters/Fine Particle Filter Packs			
Grosslab Senior Series 8700 and 9700 + Gross-Star	42.7 x 28.6 x 5.1cm	1 set	**9990850**
Grosslab Junior Series 9600	48.3 x 19.7 x 5.7cm	1 set	**1001618**
Pre-filter Cartridges			
Early Lipshaw Fume Hoods (S, SX and TP X-Pellers)	30.5 x 30.5 x 1.3cm	ea.	**2808**

Charcoal Filter Effectiveness Guide

■ High Capacity   ■ Satisfactory   ■ Not Highly Absorbed   ■ Low Capacity

Acetaldehyde	Dimethylsulphate	Nonane
Acetic acid	Dioxane	Octalene
Acetic anhydride	Dipropyl ketone	Octane
Acetone	Disinfectants	Organic chemicals
Acetylene	Embalming odours	Osmium tetroxide
Acrolein	Ethane	Ozone
Acrylic acid	Ethyl acetate	Palmitic acid
Acrylonitrile	Ethyl acrylate	Paradichlorobenzene
Amines	Ethyl alcohol	Pentane
Ammonia	Ethyl amine	Pentanone
Amyl acetate	Ethyl benzene	Pentylene
Amyl alcohol	Ethyl bromide	Pentyne
Amyl ether	Ethyl chloride	Perchloroethylene
Anaesthetics	Ethyl formate	Phenol
Aniline	Formaldehyde	Phosgene
Antiseptics	Glutaraldehyde	Plastics
Benzene	Hydrogen bromide	Propane
Bleaching solutions	Hydrogen chloride	Propionaldehyde
Borane	Hydrogen cyanide	Propionic acid
Bromine	Hydrogen fluoride	Propyl acetate
Butadiene	Hydrogen iodide	Propyl alcohol
Butane	Hydrogen selenide	Propyl chloride
Butanone	Hydrogen sulphide	Propyl ether
Butyl acetate	Indole	Propyl mercaptan
Butyl alcohol	Inorganic chemicals	Propylene
Butyl cellosolve	Iodine	Propyne
Butyl ether	Iodoform	Putrescine
Butyne	Isophorone	Pyridine
Butylaldehyde	Isoprene	Resins
Butyric acid	Isopropyl acetate	Skatole
Camphor	Isopropyl alcohol	Solvents
Cancer odour	Isopropyl ether	Stoddard solvent
Caprylic acid	Kerosene	Styrene monomer
Carbolic acid	Lactic acid	Sulphur dioxide
Carbon disulphide	Menthol	Sulphur trioxide
Carbon dioxide	Mercaptans	Tetrachloroethane
Carbon monoxide	Mesityl oxide	Tetrachloroethylene
Carbon tetrachloride	Methane	Tobacco/smoke odour
Cellosolve	Methyl acetate	Toluene
Cellosolve acetate	Methyl acrylate	Toluidine
Charred material	Methyl alcohol	Trichloroethylene
Chlorine	Methyl bromide	Trichloroethane
Chlorobenzene	Methyl butyl ketone	Turpentine
Chlorobutadiene	Methyl cellosolve	Urea
Chloroform	Methyl cellosolve acetate	Valeric acid
Chloronitropropane	Methyl chloride	Valericaldehyde
Chloropicrin	Methyl chloroform	Vinyl chloride
Cigarette smoke odour	Methyl ether	Volatile materials
Cleaning compounds	Methyl ether ketone	Xylene
Combustive odours	Methyl formate	
Corrosive gasses	Methyl isobutyl ketone	
Creosote	Methyl mercaptan	
Crotonaldehyde	Methylcyclohexane	
Cyclohexane	Methylcyclohexanol	
Cyclohexanol	Methocyclohexanone	
Cyclohexanone	Methylene chloride	
Cyclohexene	Mildew	
Decane	Monochlorobenzene	
Dibromoethane	Monofluorotrichloromethane	
Dichlorobenzene	Naphtha	
Dhlorodifluoromethane	Naphthane nicotine	
Dichloroethane	Nitric acid	
Dichloromonofluoromethane	Nitro benzenes	
Dichloronitroethane	Nitroethane	
Dichloropropane	Nitrogen dioxide	
Dichlorotetrafluoroethane	Nitroglycerine	
Diethylamine	Nitromethane	
Diethyl ketone	Nitropropane	
Dimethylaniline	Nitrotoluene	

Thermo Scientific Immunohistochemistry

Solutions you can depend on

Accurate and reproducible Immunohistochemistry (IHC) is vitally important in today's clinical and research landscape. Whether you perform research with precious samples or a patient awaits your assessment, Thermo Scientific IHC solutions deliver the high quality results you require and are surprisingly affordable.

With our scalable offerings laboratories of any size can now perform their own IHC.

So whether you stain a couple of slides by hand or manage a laboratory staining hundreds a day, you can count on us to support you.

Pathologists - Enhance your ability to do what is best for the patient

Standardised and precise antigen retrieval, combined with proven and reliable staining units ensures your requested tests are stained according to your high quality standards.

Technicians - Gain the freedom to make better use of your time

Robust, reliable automation of processes allows you to spend your time handling results rather than diagnosing instrumentation problems; whilst barcoding of slides and reagents simplifies the instrument loading and programming process. Leverage parallel processing of HIER and staining, while using a single slide rack.

Lab Managers - Enjoy the capability to configure instrumentation according to your needs

Standardisation of processes via the Thermo Scientific™ PT Module™ and Thermo Scientific™ Autostainer™ ensure 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.

Purchasing and Administration - Save money and save lives

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

Turn the page to find out more ...

Thermo Scientific Autostainer Series

The Industry Standard in IHC Automation

With a proven track record for consistency and reliability, and more than 5,000 units placed, the Thermo Scientific™ Autostainer™ platform is the most widely-used IHC instrument in the world.

Features

- Dual barcoding ensures that each slide receives the correct reagent
- Open system allows the user to configure the reagents to meet their specific needs, whilst maintaining control of the costs
- Rapid turnaround time gets your specimens processed and your patients diagnosed faster
- Two models allow any combination for throughput and / or turn-around time

Autostainer 360

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

Autostainer 480S

- The industry standard in automated IHC now has an even smaller footprint, allowing you to save an extra 12cm of laboratory space

Includes

Autostainer PC, EMC Statement, install Instructions, certificate of compliance, documentation CD, buffer in-line tubing, DI water in-line tubing, hazardous waste tubing assembly, non-hazardous waste tubing assembly, 10ℓ bottles (4/pk.), reagent vial 15ml (100/pk.), bottle, reagent barcode label kit, flap label kit, reagent rack, label printer (2/pk.), slide rack, leveller (2/pk.), computer data cable (8ft), barcode cable, Tween 20, DAB Away and IVD Letter.

Physical Specifications

Autostainer 360

Max. Capacity: 36 Slides; 40 reagents

Dimensions (W, H, D): 76 x 58 x 67 cm (not inc. PC and Printers)

Weight: 55 kg

Power Requirements: 100 - 120V or 220-240V, 50 / 60Hz; 2A max. at 240V

Autostainer 480S

Max. Capacity: 48 Slides; 50 reagents

Dimensions (WxHxD): 91 x 58 x 67 cm (not inc. PC and Printers)

Weight: 65 kg

Power Requirements: 100 - 120V or 220 - 240V; 50/60Hz; 2A max. at 240V

Description	Order Number
Autostainer 360	
220 - 240V	**A80500003**
100 - 120V	**A80500004**
Autostainer 480S	
220 - 240V	**A80500007**
100 - 120V	**A80500008**

Thermo Scientific PT Module

The Reference in Antigen Retrieval

Standardisation in any laboratory is crucial to obtaining high quality and consistent IHC staining. To standardise the manual steps associated with the pre-treatment of slides, we have introduced the Thermo Scientific™ PT Module™.

Features

- Designed to simultaneously perform dewaxing and epitope recovery on slides prior to immunostaining
- Autostainer slide racks fit directly into the PT Module
- Integrated computer with touch screen for programming standardised pre-treatment programs
- The user can also modify the time and temperature settings to further optimise the results
- The PT Module has dual reaction baths so that two individual procedures, each with 24 slides, may be run independently
- Thermo Scientific's proprietary epitope recovery solutions provide for safe, solvent-free dewaxing and improved environmental conditions
- Delayed start option allows overnight processing so that the slides are ready and waiting when you start in the morning

Physical Specifications

Dimensions (W, H, D): 27 x 26 x 65 cm

Weight: 15 kg (not inc. Buffer)

Power Requirements: 100 - 120V or 220 - 240 Vac, 50/60Hz; 5A max. at 240V

Includes

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

Description	Order Number
220 - 240V	A80400011
100 - 120V	A80400012

Thermo Scientific UltraVision Quanto

Designed to meet the highest expectations in clinical pathology

Thermo Scientific™ UltraVision Quanto™ represents the decade's quantum leap in polymeric labelling. Using innovative micropolymer technology, UltraVision Quanto provides speed and economy while achieving unique sensitivity and enhanced reactivity with challenging nuclear markers as well as excellent cytoplasmic and membrane labelling.

- Signal-to-noise characteristics include elimination of background reactivity associated with endogenous avidin and biotin while enhancing detection of antigens expressed at low levels
- The ultimate IHC detection system for high throughput, saving costs and enhancing sensitivity to achieve superior and consistent staining
- Amplifies the signal with both mouse and rabbit primary antibodies

Thermo Scientific Chromogens

- Strong staining contrast for brilliant results
- Chromogens combine ease of use with clear staining for maximum contrast
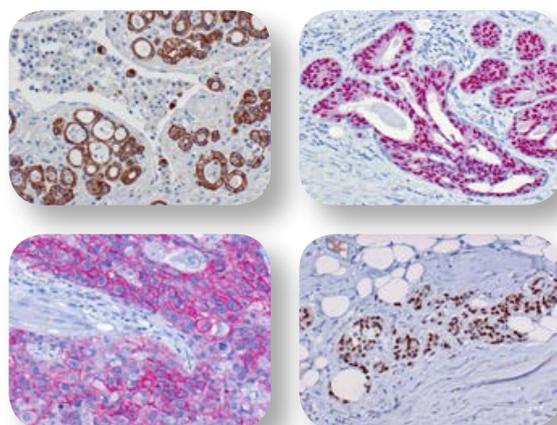
Description	Qty.	Order Number
UltraVision Quanto (HRP*)		
Ultra-V-Block, Amplifier, HRP-Polymer	60 ml	**TL-060-QHL**
Ultra-V-Block, Amplifier, HRP-Polymer	125 ml	**TL-125-QHL**
UltraVision Quanto (HRP DAB)		
Ultra-V-Block, Amplifier, HRP-Polymer, DAB Substrate Chromogen	15 ml	**TL-015-QHD**
Ultra-V-Block, Amplifier, HRP-Polymer, DAB Substrate Chromogen	60 ml	**TL-060-QHD**
Ultra-V-Block, Amplifier, HRP-Polymer, DAB Substrate Chromogen	125 ml	**TL-125-QHD**
UltraVision Quanto (AP)**		
Ultra-V-Block, Amplifier, AP-Polymer	60 ml	**TL-060-QAL**
Ultra-V-Block, Amplifier, AP-Polymer	125 ml	**TL-125-QAL**

* HRP - Horse Radish Peroxidase; ** AP - Alkaline Phosphatase

Description	Qty.	Order Number
AEC (ready to use)		
Dark red, for UV-Quanto HRP, to be coverslipped with aequeous mounting medium	60 ml	**TA-060-SA**
Dark red, for UV-Quanto HRP, to be coverslipped with aequeous mounting medium	125 ml	**TA-125-SA**
DAB Quanto (2 components)		
Brown, for UV-Quanto HRP, can be coverslipped by using organic solvents	60 ml	**TA-060-QHDX**
Brown, for UV-Quanto HRP, can be coverslipped by using organic solvents	125 ml	**TA-125-QHDX**
LFR* (2 components)		
Magenta red, for UV-Quanto AP, can be coverslipped by using organic solvents	60 ml	**TA-060-AL**
Magenta red, for UV-Quanto AP, can be coverslipped by using organic solvents	125 ml	**TA-125-AL**

* LFR - Liquid Fast Red

For a complete list of IHC products call 0800 018 9396 and request the Thermo Scientific IHC Catalogue

Thermo Scientific Rabbit Monoclonal Antibodies
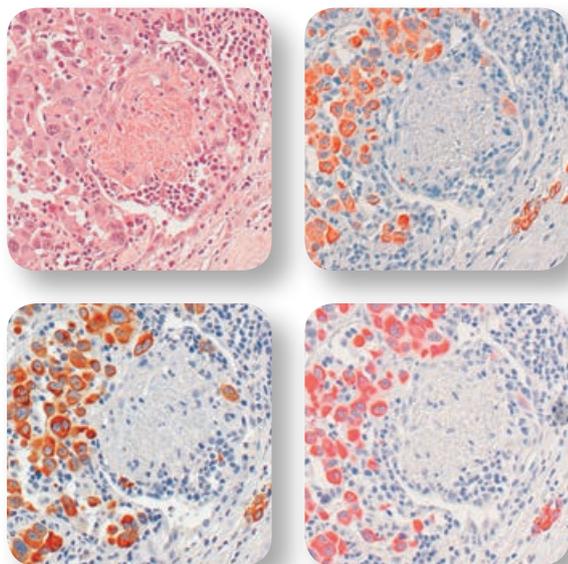
Rabbit monoclonal antibodies combine the benefits of outstanding antigen detection in the rabbit immune system with the specificity and consistency of monoclonal antibodies, making them among the best antibodies around.

It is now known that antibodies produced in rabbits have a greater affinity than antibodies taken from mice. New cloning technologies allow the production of highly specific antibodies from rabbits which have up to 10 times greater affinity than comparable mouse antibodies.

At the same time, the rabbit immune system generates antibody diversity and optimises 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 immunogen in mice or rats do trigger a response in rabbits.

Research has shown that rabbit monoclonal antibodies demonstrate higher levels of sensitivity in combination with lower unspecific dyes compared to comparable monoclonal mouse antibodies.

- Very high specificity and affinity
- Normally more dilutable than comparable monoclonal mouse antibodies
- Considerably improved detection of antigens in mice and rats
- Improved reproducibility, even with fluctuations in fixing and pretreatment, more reliable epitope detection
- Easier to establish dual colours

Description		Order Number
ALK	SP8	RM-9108
Cadherin E	EP700Y	RM-2100
Calcitonin	SP17	RM-9117
Calponin	EP798Y	RM-2102
Calretinin	SP13	RM-9113
Catenin	E247	RM-2101
CD3	SP7	RM-9107
CD3	EP449E	RM-2109
CD5	SP19	RM-9119
CD8	SP16	RM-9116
CD23	SP23	RM-9123
CD79	SP18	RM-9118
CDX2	EPR2764Y	RM-2116
Chromogranin A	SP12	RM-9112
COX2	SP21	RM-9121
Cyclin D1	SP4	RM-9104
Cyclin D1	EPR2241IHC	RM-2113
Cytokeratin 5	EP1601Y	RM-2106
Cytokeratin 8	EP1628Y	RM-2107
Cytokeratin 18	E431-1	RM-2108
DOG1	SP31	RM-9132
EGFR	EP38Y	RM-2111
Oestrogen	SP1	RM-9101
HER-2/new/c-erbB-2	SP3	RM-9103
HER-2/new/c-erbB-2	EP1045Y	RM-2112
Ki-67	SP6	RM-9106
p53	Y5	RM-2103
p53	SP5	RM-9105
PAX-5	SP34	RM-9133
PLAP	SP15	RM-9115
P504s	13H4	RM-9130
PSA	EP1588Y	RM-2104
PSMA	SP29	RM-9131
Progesterone	SP2	RM-9102
Synaptophysin	SP11	RM-9111
VEGF	SP28	RM-9128
Vimentin	SP20	RM-9120

For a complete list of IHC products call 0800 018 9396 and request the Thermo Scientific IHC Catalogue

Thermo Scientific Mouse On Mouse HRP Detection System

Improve staining, reduce background and minimize turnaround time

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 Thermo Scientific™ UltraVision Quanto™ Mouse on Mouse HRP Detection System eliminates these challenges, ensuring laboratories can produce optimal results routinely.

- Strong Staining - Antibodies are easier to optimize and interpret with the UltraVision Quanto Mouse on Mouse Detection System. The images below compare optimized results with a mouse antibody on mouse colon with the UltraVision Quanto Mouse on Mouse Detection System and a competitive system.

- Minimising Background - The UltraVision Quanto Mouse on Mouse Detection System significantly reduces the background seen with many other systems. The images below compare the optimized negative controls (antibody diluent only) of the UltraVision Quanto Mouse on Mouse Detection System and a competitive system.

- Simple Procedure - The UltraVision Quanto Mouse on Mouse Detection System procedure is simple with only five detection system steps with ready to use reagents. Results are possible in under two hours, nearly half the time of competitive systems.
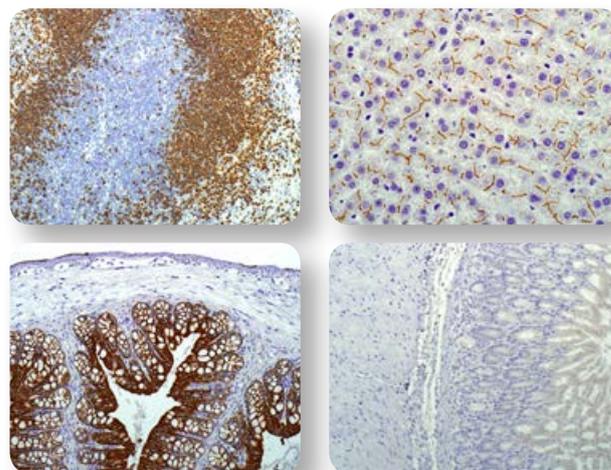
Description	Volume	Order Number
Quanto Mouse On Mouse	15ml	**TL-015-QHDM**
Quanto Mouse On Mouse	60ml	**TL-060-QHDM**
Quanto Mouse On Mouse	125ml	**TL-125-QHDM**
DAB Quanto	60ml	**TA-060-QHDX**
Antibody Diluent OP Quanto	125ml	**TA-125-ADQ**

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.

Antibody	Clone	Cat. #	Antigen Retrieval	Recommended Dilution	Incubation Time
CD4	4B12	MS-1528	Citrate 20 minutes 98c	1:10	30 min
CD79a	JCB117	MS-1171	Citrate 20 minutes 98c	1:50	20 min
CD8	C8/144B	MS-457	Citrate 20 minutes 98c	1:50	20 min
Cdk1	A17.1.1	MS-110	Citrate 20 minutes 98c	1:50	20 min
Cdk2	2B6	MS-459	EDTA 20 minutes 98c	1:25	60 min
CK7	OV-TL 12/30	MS-1352	EDTA 20 minutes 98c	1:200	20 min
Cytochrome	7H8.2C12	MS-1192	Citrate 20 minutes 98c	1:200	20 min
Hepatocyte	OCH1E5	MS-1810	Citrate 20 minutes 98c	1:40	20 min
P300/CBP	NM11	MS-586	Citrate 20 minutes 98c	1:50	20 min
PCNA	PC10	MS-106	Citrate 20 minutes 98c	1:200	20 min
TFF1	8G7G3/1	MS-699	Citrate 20 minutes 98c	1:50	20 min
Villin	CWWB1	MS-1499	Citrate 20 minutes 98c	1:50	20 min

For a complete list of IHC products call 0800 018 9396 and request the Thermo Scientific IHC Catalogue

Thermo Scientific Trademarks

Angus-Ranieri
BarcodeWriter
Bio-Tite
Bond-Rite
Cell-Fixx
Chromaview
Clarifier
Clear-Rite 3
ClearVue
ColorFrost
ColorFrost Plus
ColorMark
Consul
Consul-Mount
Cryochrome
CryoMatrix
CryoStar
Cryotome
Cytoclip
Cytocool
Cytofunnel
CytoRich
CytoRich Red
Cytoseal
Cytoslides
Cytospin
Cyto-Stain
DynaSharp
Edge-Rite
Excell
Excelsior
EZ Double Cytofunnel
EZ Megafunnel
EZ Single Cytofunnel
EZ-Mount
Finesse

Fix-Rite
Flex
Formal-Fixx
Gill
Glyo-Fixx
Grosslab
Gross-Star
HiPur
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
Richard-Allan Scientific
Secureline
Shandon

Signature Series
SlideMate
STS (Specimen Transport System)
Super Mega
Super Up-Rite
Superfrost
Suresorb
TBD-1
TBD-2
Thermo Scientific
TissueLoc
TissueWave
Varistain
WonderBlock
Zinc Formal-Fixx

Other Trademarks

Access	*Microsoft Corp.*
Carbowax	*Union Carbide*
DRS	*Sakura Finetek*
Excel	*Microsoft Corp.*
Leica	*Leica Technology*
Lexan	*General Electric Co.*
Microsette	*Simport Plastics Ltd.*
Microsoft	*Microsoft Corp.*
Octospot	*Bath Analytical In.*
PARA/Gard	*Triangle Biomedical Services*
PolarHeat	*Energy Beam Sciences*
Sakura	*Sakura Finetek*
Styrofoam	*Dow Chemical*
Uni-Capsette	*BIO PLAS Inc.*
Velcro	*Velcro USA Inc.*
Vytac	*Cartier Chemical Ltd.*
Whatman	*General Electric Co.*

Trademarks for Registration Purposes

The following trademarks are known by an alternative name for registration purposes

Trademarked Name	Registered Name
Thermo Scientific Excelsior AS Tissue Processor	Thermo Scientific Excelsior AS
Thermo Scientific Citadel 2000 Carousel Tissue Processor	Thermo Scientific Citadel 2000, Carousel Tissue Processor
Thermo Scientific HistoStar Embedding Center	Thermo Scientific HistoStar
Thermo Scientific CryoStar NX70 Cryostat	Thermo Scientific CryoStar NX70
Thermo Scientific CryoStar NX50 Cryostat	Thermo Scientific CryoStar NX50
Thermo Scientific HM525 NX Cryostat	Thermo Scientific HM525 NX
Thermo Scientific Cryotome FSE Cryostat	Thermo Scientific Cryotome FSE
Thermo Scientific HM 355S Rotary Microtome	Thermo Scientific Rotary Microtome HM355S
Thermo Scientific HM 340E Rotary Microtome	Thermo Scientific Rotary Microtome HM340E
Thermo Scientific HM 325 Rotary Microtome	Thermo Scientific Rotary Microtome HM325
Thermo Scientific HM 450 Sliding Microtome	Thermo Scientific Sliding Microtome HM450
Thermo Scientific HM 430 Sliding Microtome	Thermo Scientific Sliding Microtome HM430
Thermo Scientific HM 650V Vibrating Microtome	Thermo Scientific Vibrating Microtome HM650V
Thermo Scientific Gemini AS Automated Slide Stainer	Thermo Scientific Gemini AS
Thermo Scientific Varistain 24-4 Slide Stainer	Thermo Scientific Varistain 24-4
Thermo Scientific Linistat Linear Stainer	Thermo Scientific Linistat
Thermo Scientific CTM6 Coverslipper	Thermo Scientific CTM6
Thermo Scientific ClearVue Coverslipper	Thermo Scientific ClearVue

Alphabetical Index

Numerical Index

Numerical Index

Numerical Index

• Thermo Scientific Anatomical Pathology Products and Services •

Thermo
SCIENTIFIC

Before You Order

In order to enable us to provide the most efficient service possible, please have the following information ready when ordering:

1. Your Thermo Scientific Anatomical Pathology Account Number.

    If you are unsure of your account number, one of our friendly Customer Service Representatives will be happy to provide it to you.

2. Your complete billing and shipping addresses.

3. Catalogue order numbers, product names, units of measure and product quantities.

4. Any special shipping instructions.

5. The full name of the contact person and a phone number.

Note: We accept:

MasterCard VISA AMERICAN EXPRESS

IMPORTANT

To order quickly, please have this information ready:

Thermo Scientific Anatomical Pathology Account Number	
Your Sales Representative	**Phone**
Billing Address	
Shipping Address	
Special Shipping Instructions	
Contact Person	**Phone**

Terms and Conditions

Please contact your local sales office for details.

Customer Service	Quotations Department	Service Department	Product Specialists
United Kingdom			
Tel: +44 (0) 800 018 9396	Tel: +44 (0) 800 018 9396	Tel: +44 (0) 800 169 5694	Tel: +44 (0) 1928 534281
Germany			
Tel: +49 (0) 6103 408 1023	Tel: +49 (0) 6103 408 1013	Tel: +49 (0) 6103 408 1276	Tel: +49 (0) 6103 408 1276
France			
Tel: +33 (0) 1 34 32 51 10	Tel: +33 (0) 1 34 32 51 10	Tel: +33 (0) 1 34 32 51 15	Tel: +33 (0) 1 34 32 51 10

Australia	+61 2 9649 9599	**France**	+33 (0) 1 34 32 51 10	**Japan**	+81 45 453 9229
Benelux	+31 (0) 76 587 98 88	**Germany**	+49 (0) 6103/408-1023	**United Kingdom**	0800 018 9396
China	+86 21 6865 4588	**Hong Kong**	+852 2885 4613	**United States**	800 522 7270

Thermo
SCIENTIFIC

A Thermo Fisher Scientific Brand

A809M0135_02a