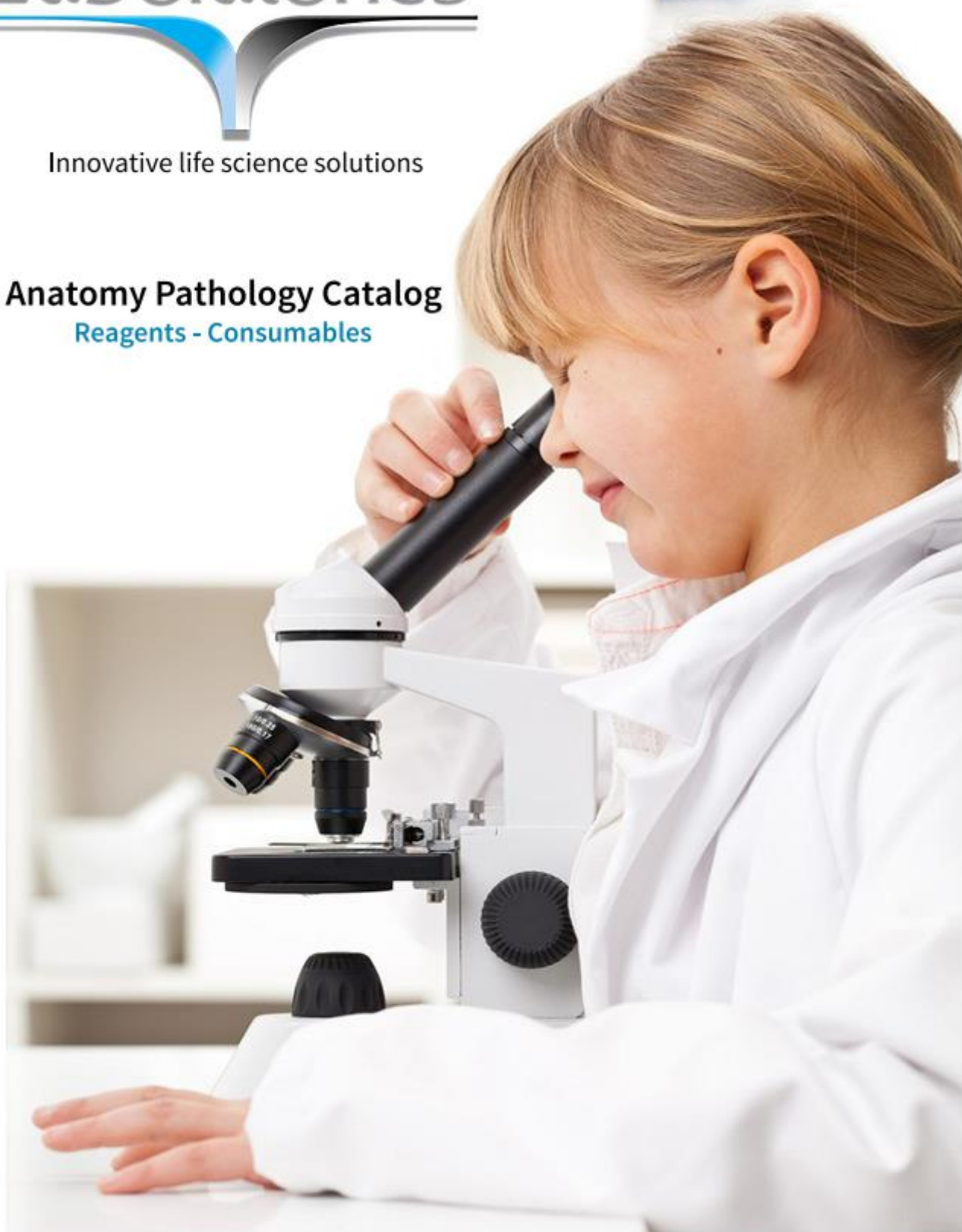


Histo-Line Laboratories

Innovative life science solutions

Anatomy Pathology Catalog
Reagents - Consumables



English

Equipment
Consumables
Immunohistochemistry

Histo-Line Laboratories

Made
in
Italy

Anatomical Pathology Solutions

Tissue Processors



Cryostats



Embedding Center



Slide Stainers



Company

The Histo-line Laboratories S.r.l. were founded in Milan in 1987.

Main activities of the company are the production and distribution of diagnostic reagents, consumables, instruments dedicated to diagnosis, in the field of pathological anatomy.

Our mission is to provide 360° specialist help to the pathologists and technicians of anatomy pathology lab to achieve the best results by presenting a wide range of products and instruments for the preparation of histological and bioptic histological samples (human or animal tissue) from fixation, through embedding, processing, cutting and staining of slides.

The company supports in addition to the medical sector of cytopathology, including the broad spectrum of diagnostics and research, and in particular: immunohistochemistry, cell biology, molecular biology, hematology and veterinary medicine. Focusing mainly on product valorization as antibodies, hybridization probes, detection systems, microspheres and nanoparticles.

In an effort to offer an even better service we have recently relocated in V.le Giuseppe di Vittorio, 30 Pantigliate. We have expanded our previous structure and have created a Conference Center able to host up to 100 people.

We offer a variety of ECM courses as well as courses on the theoretical and practical aspects of the applications of differing methodologies.



Instruments



Reagents and consumable



Immunohistochemistry



Mission

Our objective is to support pathologists and lab technicians throughout the histological process, by fixing of tissue sample to the storage of slides.



ISO Certification

Histo-Line Laboratories has been steadily investing in quality since 1987 by improving its production processes to obtain products and tools that meet the needs of customers. Through the implementation of Quality Management Systems attesting to this strong focus on the production of products with high qualitative characteristics and in accordance with internationally recognized requirements, it has obtained the certificates ISO 9001 and obtained ISO 13485.



Reagents - Consumables Products

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Histology Process





Formalin and fixative
Decalcifying solutions
Pre-filled containers
Pre-filled containers safe system





FORMALIN AND FIXATIVE

IVD CE



Fixation is one of the most important steps in tissue processing, preventing degradation and decomposition of tissue and preserving morphological properties important for detection of pathological changes. Histo-Line provide a full range of fixatives suitable for any requirements and types of specimen.

Fixative at glance:

- Primary fixative for histological specimens
- Preservation of tissue morphological features
- Optimal preservation of antigens
- Ready-to-use
- Compatible with all tissue processing and staining protocols

Product	Size	Packaging	Code
Histofix (Formalin 10% V/V) Primary fixative containing formaldehyde 10% V/V	Bottle	4x5 lt	DR001
	Tank	1 x 10 lt	DR002
	Tank	1 x 20 lt	DR003
Tap for tank For the tank 10 or 20 lt	Box	5 pcs	HL82076
Buffered formalin 4% (oxidometric title)	Bottle	20 x 1 lt	0207100
	Bottle	4x5 lt	0207101
	Tank	1 x 10 lt	0207102
	Tank	1 x 20 lt	0207104
Buffered formalin OsM certified	Tank	1 x 20 lt	0207103
Formalin Millioning Carson pH 7,2-7,4 For electron microscopy	Bottle	4x5 lt	0207107
Formalin acetate buffer	Bottle	4x5 lt	0207111
Formalin fosfate buffer	Bottle	4x5 lt	0207112
Fish formalin zincate	Bottle	4x5 lt	0207113
NoTox (substitute hydro alcoholic of formalin)	Bottle	4x5 lt	0207115
Bouin's solution Aqueous solution of formaldehyde, trinitrophenol, and acetic acid for tissue fixation	Bottle	100 ml	01BOU100
		500 ml	01BOU500
		1000 ml	01BOU1000
		5 lt	01BOU5000
Bouin fixative concentrated solution For bone marrow biopsies	Bottle	6x1000 ml	0207116Z
Bouin Hollande fixative For hypophysis and endocrine pancreas	Bottle	20x500 ml	0207117
		20x1000 ml	0207118
B5 fixative For hematopoietic tissue	Bottle	6x500 ml	0207119
Zamboni fixative Is commonly used in electron microscopy	Bottle	6x500 ml	0207120
Kaiserling I fixative An aqueous solution of potassium nitrate, potassium acetate, and formalin	Bottle	6x500 ml	0216100
Kaiserling II fixative An aqueous solution of potassium nitrate, potassium acetate, and formalin	Bottle	6x500 ml	0216101

CYTOLOGY FIXATIVE

See pag.34



FIXATION



DECALCIFYING SOLUTIONS

IVD CE



Different solutions for biopsies and calcified tissues. The tissue decalcified using these solutions are easily cut, and routine H & E techniques produce excellent quality colored sections.

Product	Size	Packaging	Code
Histo Decalc decalcifier Solution recommended for decalcifier any type of biopsies and calcified tissues	Bottle	6x1000 ml	R0060
RCD fast decalcifying solution Solution recommended for rapid time of decalcifying	Bottle	6x1000 ml	02-100
RDM middle decalcifying solution Solution recommended for medium time of decalcifying	Bottle	6x1000 ml	02-101
RDO decalcifier for bone marrow biopsy Decalcifying solution recommended for bone marrow fragments with EDTA	Bottle	6x1000 ml	02-102
RDP (Pasquini) for bone marrow biopsy Decalcifying solution with EDTA modified sec. Pasquini	Bottle	6x1000 ml	02-103
RDF decalcifier with Fixative I [^] Decalcifying-fixative for bone marrow biopsies	Bottle	6x1000 ml	02-104
RDL decalcifier with Fixative II [^] Slow action Decalcifying-fixative for bone marrow biopsies at slow action	Bottle	6x1000 ml	02-105
RDB rapid decalcifier modified Decalcifying solution fast-acting modified	Bottle	6x1000 ml	02-106

PRE-FILLED CONTAINERS

IVD CE



Container made according to UE normative pre-filled with formalin or other fixatives with screw cap. Container are made in HDPE (high density polyethylene).

Screw cap

Product	Size	Packaging	Code
Formaldehyde 4 % pre-filled containers Polyethylene container screw cap	20 ml	224 pcs	07-124-02
	30 ml	150 pcs	07-124-03
	40 ml	150 pcs	07-124-04
	60 ml	90 pcs	07-124-06
	80 ml	90 pcs	07-124-08
	90 ml	90 pcs	07-124-09

FIXATION



PRE-FILLED CONTAINERS

IVD CE

Screw cap

Product	Size	Packaging	Code
Formaldehyde 4 % pre-filled containers Polyethylene container screw cap	120 ml	50 pcs	07-124-12
	250 ml	60 pcs	07-124-25
	500 ml	60 pcs	07-124-05
	1 lt	22 pcs	07-124-01

Pre-filled containers

IVD CE

Press-close lids

Container made according to UE normative pre-filled with formalin or other fixatives with press-close lids for high capacity.
Container are made in HDPE (high density polyethylene).



Product	Size	Packaging	Code
Pre-filled containers (press-close lids) Polyethylene container with press-close lids	2 lt	6 pcs	07-143
	3 lt	6 pcs	07-144
	5 lt	4 pcs	07-145
	11 lt	24 pcs	07-147



FIXATION



PRE-FILLED CONTAINERS SAFE SYSTEM



Container made according to UE normative pre-filled with formalin or other fixatives. Container are made in HDPE (high density polyethylene). Above the layer of formalin is an inert liquid and composed by non-hazardous reagents, maintains formalin features, protecting operators from formalin harmful vapors.

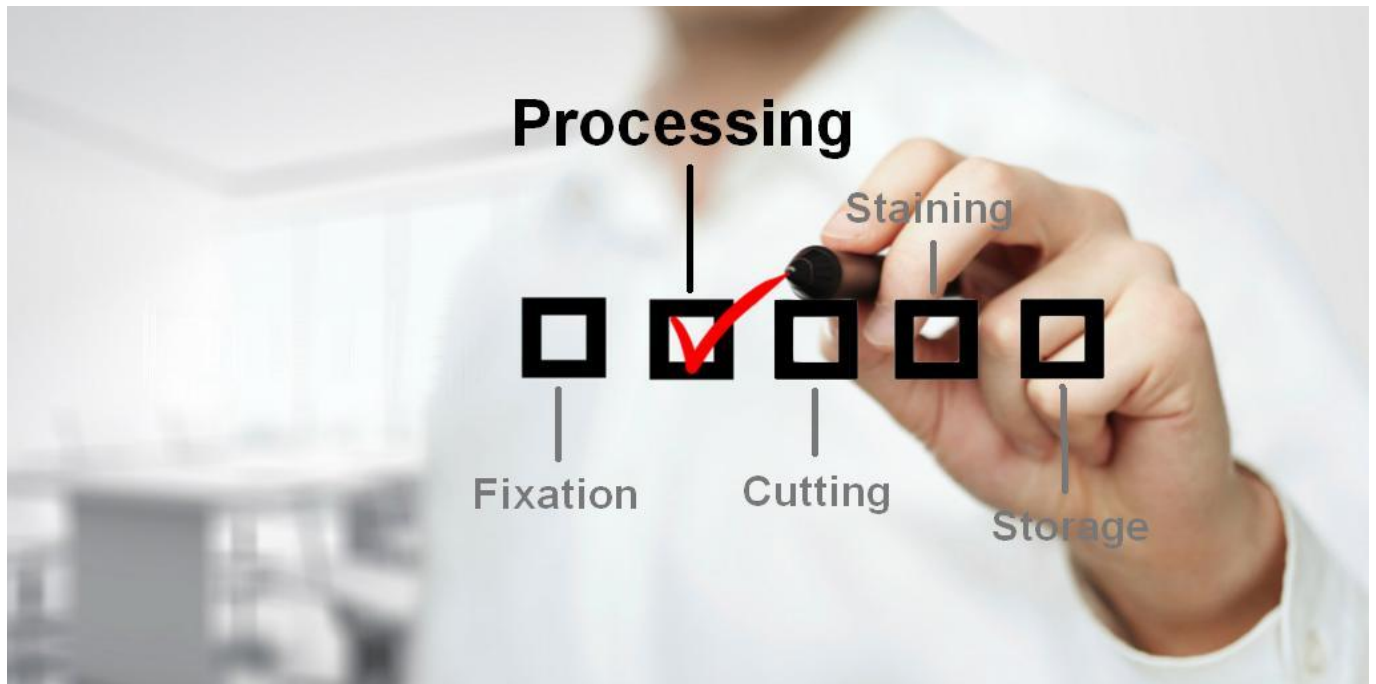
This product provides:

- fixed in formalin without dangerous leaks of formalin fumes
- no changes in lab
- no changes in management of specimens and protocols
- ready-to-use pre-filled containers
- guarantee of safety for operators

Product	Size	Packaging	Code
Formaldehyde 4 % pre-filled containers safe system Polyethylene container screw cap	20 ml	224 pcs	07-124-02-S
	30 ml	150 pcs	07-124-03-S
	40 ml	150 pcs	07-124-04-S
	60 ml	90 pcs	07-124-06-S
	80 ml	90 pcs	07-124-08-S
	90 ml	75 pcs	07-124-09-S
	120 ml	50 pcs	07-124-12-S
	250 ml	90 pcs	07-124-25-S
	500 ml	50 pcs	07-124-05-S
	1 lt	20 pcs	07-124-01-S

Histology Process





- Xylene and substitutes
- Alcoholic mixtures
- Wax paraffin
- Biopty cassettes
- Tissue cassettes
- Mega - supermega cassettes
- Base molds
- Disposable molds
- Protective biopsy pads
- Tissue marking dye
- Cassettes accessories

PROCESSING

XYLENE AND SUBSTITUTES

IVD CE



Clearing agents are completely miscible with alcohol and paraffin, making them an ideal intermedium in histology and cytology processing. All type of solvents for the tissue processing, designed for anatomic pathology procedures.

Product	Size	Packaging	Code
Citro Histoclear Substitute of xylene, D- limonene based. Non-toxic, colourless	Bottle	4x5 lt	R0050 CITRO
		4x2,5 lt	R0050/2500 CITRO
Diaphane Non-toxic substitute of xylene, isoparaffin-based, for histology and cytology. Odourless Non-toxic Non-cancerogenous	Bottle	4x2,5 lt	R0055/2.5
		4x5 lt	R0055/20
Xylene Xylene for cytology and histology	Bottle	4x5 lt	3410
		4x2,5 lt	3410/2500

ALCOHOLIC MIXTURES

IVD CE



Alcohol mixture, ethanol-based, for histology and cytology. Mixtures containing less than 5% of isopropyl alcohol.

- Histo - Alcohol 95: alcoholic mixture with alcohol grade 95
- Histo - Alcohol 99: alcoholic mixture with alcohol grade 99

Product	Size	Packaging	Code
Histo - Alcohol 95% Alcohol mixture, ethanol-based, for histology and cytology	Bottle	4x5 lt	R0095
Histo - Alcohol 99% Alcohol mixture, ethanol-based, for histology and cytology	Bottle	4x5 lt	R0099



PROCESSING



WAX PARAFFIN

IVD CE



High quality paraffin-plastic polymer mixtures.

- Excellent penetration into any tissue types and proper elasticity during cutting, for any type of tissue sections.
- DMSO (dimethyl sulfoxide) free.
- Is in white drops, translucent, odorless, stable and easy to handle.

Product	Size	Packaging	Code
Lab-O-Wax 56-58°C Paraffin in pellet form. Melting Point 56-58°C	Bag	6x2 kg	R0040S
	Sac	20 kg	R0040/20
Lab-O-Wax Plus 56-58°C Paraffin high quality in pellet form. Melting Point 56-58°C	Bag	6x2 kg	R0040 PLUS
Lab-O-Wax 52-54°C Pellet form Melting Point 52-54°C	Bag	6x2 kg	R0042
Citrine Paraffin Paraffin of citrine color for special section for high contrast. Melting Point 56-58°C	Bag	4x2 kg	24363-1
Emerald Paraffin Paraffin of emerald color for special section for high contrast. Melting Point 56-58°C	Bag	4x2 kg	24364-1
Pink Sapphire Paraffin Paraffin of pink color for special section for high contrast. Melting Point 56-58°C	Bag	4x2 kg	24361-1

BIOPTY CASSETTES

IVD CE



Acetal resin embedding cassettes, in high quality material, equipped with a double locking system to ensure a perfect seal during tissue processing.

- Resistance to the chemical action of histological reagents, decalcificants and to all tissue processing techniques.
- Provided with writing space for specimen identification
- One-piece integral cover, easily detachable and closable.
- For processing and embedding small specimens (biopsies).
- External dimensions: 40x28x6 mm (WxDxH).

Product	Size	Packaging	Code
Biopty Cassette White For processing and embedding of small specimens (biopsies)	Box	1000 pcs	R4172
Biopty Cassette Yellow For processing and embedding of small specimens (biopsies)	Box	1000 pcs	R4001
Biopty Cassette Pink For processing and embedding of small specimens (biopsies)	Box	1000 pcs	R4002
Biopty Cassette Green For processing and embedding of small specimens (biopsies)	Box	1000 pcs	R4003
Biopty Cassette Blue For processing and embedding of small specimens (biopsies)	Box	1000 pcs	R4004
Biopty Cassette Gray For processing and embedding of small specimens (biopsies)	Box	1000 pcs	R4005



TISSUE CASSETTES

IVD CE



Acetal resin embedding cassettes, in high quality material, equipped with a double locking system to ensure a perfect seal during tissue processing.

- Resistance to the chemical action of histological reagents, decalcificants and to all tissue processing techniques.
- Provided with writing space for specimen identification
- One-piece integral cover, easily detachable and closable.
- For processing and embedding of medium-large specimens.
- External dimensions: 40x28x6 mm (WxDxH).

Product	Size	Packaging	Code
Mono Cassette Yellow For processing and embedding of medium-large specimens	Box	1000 pcs	R4154
Mono Cassette Pink For processing and embedding of medium-large specimens	Box	1000 pcs	R4155
Mono Cassette Green For processing and embedding of medium-large specimens	Box	1000 pcs	R4156
Mono Cassette Blue For processing and embedding of medium-large specimens	Box	1000 pcs	R4157
Mono Cassette Red For processing and embedding of medium-large specimens	Box	1000 pcs	R4159
Mono Cassette White For processing and embedding of medium-large specimens	Box	1000 pcs	R4170

MEGA - SUPERMEGA CASSETTES

IVD CE



Acetal resin embedding cassettes, in high quality material, equipped with a double locking system to ensure a perfect seal during tissue processing.

- For processing and embedding of large specimens.
- Resistance to the chemical action of histological reagents, decalcificants and to all tissue processing techniques.
- Provided with writing space for specimen identification
- One-piece integral cover, easily detachable and closable.

Product	Size	Packaging	Code
Mega Cassette White For processing and embedding large specimens External dimensions: 40x26x13 mm (WxDxH)	Box	1000 pcs	R4173
Super Mega Cassette White For processing and embedding of macro sections External dimensions: 74x52x18 mm (WxDxH)	Box	100 pcs	R4173 Mega



PROCESSING



BASE MOLDS

IVD CE



Stainless steel moulds for paraffin embedding of histological specimens.

- Quick paraffin cooling thanks to high thermal conductivity of steel.
- No warpage guaranteed by the rigid steel structure.
- Reusable, stable and easy to handle.
- Wide range of available sizes.
- The dimensions indicated refer to the base that will contain the histological specimen.

Product	Size	Packaging	Code
Base Molds 7x7x6 mm	Box	10 pcs	R4161
Base Molds 15x15x6 mm	Box	10 pcs	R4162
Base Molds 24x24x6 mm	Box	10 pcs	R4163
Base Molds 30x24x6 mm	Box	10 pcs	R4164
Base Molds 37x24x6 mm	Box	10 pcs	R4165
Base Molds for mega cassettes 37x24x12 mm	Box	10 pcs	R4166
Base Molds for super mega cassettes 66x46x15 mm	Box	10 pcs	R4167

DISPOSABLE MOLDS

IVD CE



Plastic moulds for paraffin embedding of histological specimens. They can be discarded after use, yet strong enough to be reused.

Product	Size	Packaging	Code
Disposable Molds 7x7x6 mm	Box	500 pcs	R2780P
Disposable Molds 15x15x6 mm	Box	500 pcs	R2781P
Disposable Molds 24x24x6 mm	Box	500 pcs	R2782P
Disposable Molds 30x24x6 mm	Box	500 pcs	R2783P
Disposable Molds 37x24x6 mm	Box	500 pcs	R2784P
Disposable Molds for mega cassettes 37x24x12 mm	Box	100 pcs	R2882P
Disposable Molds for super mega cassettes 66x46x15 mm	Box	100 pcs	R2785P

PROTECTIVE BIOPSY PADS

IVD CE



Use biopsy pads to hold small biopsies in place during processing and for storage when using tissue cassettes.

- Medium blue color enhances tissue visibility.
- Pads are compatible with all histology solvents.
- Dimensions: 30x25x1 mm (WxDxH).

Product	Size	Packaging	Code
Biopsy Pads Blue	Bag	500 pcs	RBPB
Biopsy Pads White	Bag	500 pcs	RBPW

PROCESSING



TISSUE MARKING DYE



Dyes used for marking the margins of excised surgical specimens or processing different specimens in a single embedding cassette, both fresh and fixed in formalin. Tissue marking dyes are used for marking and orientation of tissue samples sent for further histopathologic processing.

Available in 7 colors.

Product	Size	Packaging	Code
Tissue marking dyes kit (Seven colors) Complete set with 7 bottles of 60 ml in a handy rack: green, yellow, red, blue, orange, violet and black. The set includes wooden sticks and rack	Kit	7x50 ml	013408-SET-7
Tissue marking dyes kit (Five colors) Complete set with 5 bottles of 60 ml in a handy rack: green, yellow, red, blue. The set includes wooden sticks and rack	Kit	5x50 ml	013408-SET-5
Tissue marking dyes Individual dye green	Bottle	50 ml	013408-1-50
		100 ml	013408-1-100
		250 ml	013408-1-250
Tissue marking dyes Individual dye yellow	Bottle	50 ml	013408-2-50
		100 ml	013408-2-100
		250 ml	013408-2-250
Tissue marking dyes Individual dye black	Bottle	50 ml	013408-3-50
		100 ml	013408-3-100
		250 ml	013408-3-250
Tissue marking dyes Individual dye red	Bottle	50 ml	013408-4-50
		100 ml	013408-4-100
		250 ml	013408-4-250
Tissue marking dyes Individual dye blue	Bottle	50 ml	013408-4-50
		100 ml	013408-4-100
		250 ml	013408-4-250
Tissue marking dyes Individual dye orange	Bottle	50 ml	013408-6-50
		100 ml	013408-6-100
		250 ml	013408-6-250
Tissue marking dyes Individual dye lilac	Bottle	50 ml	013408-7-50
		100 ml	013408-7-100
		250 ml	013408-7-250

CASSETTES ACCESSORIES



Accessories for to write on cassettes or slides.

- Indelible ink pen for marking on plastic, metal surfaces and labware.
- Suitable for cytology and histology as a “dotting” reference marker.
- Fine tip 0.6 mm
- Quick drying
- Resistance to acids, alcohols, xylol and solvents, waterproof

Product	Size	Packaging	Code
Securline Marker II (Black) Special permanent markers: they do not discolor during processing, guaranteeing perfect specimen identification	Box	10 pcs	R1451



PROCESSING

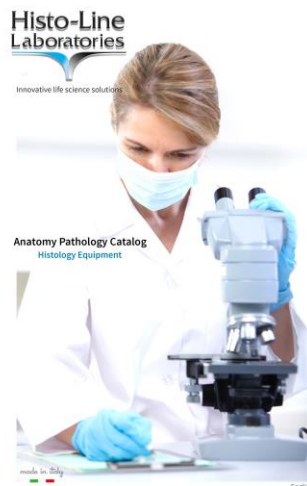


Want more information?

If you need instruments for the processing refer to the catalog Histo-Line Instruments.
You can find the complete list of the tissue processor and special accessories that can help you.



Want to see all the available instruments? Look it in the instruments catalog or on the website



Histology Process





Microtome blades
Microtome knife
Microtome accessories
Brushes
Cryostat holders

CUTTING



MICROTOME BLADES



Microtome disposable blades which are aimed to section the specimens at certain stable thickness require technical expertise such as sophisticated heating process, excellent polishing and coating techniques. It is also required to maintain the high quality under precise controls with inspection instruments. Useful ABS manual dispenser that allows extraction, avoiding any contact with cutting parts

Product	Size	Packaging	Code
Histo blade LP35H Low profile blade with increased durability	Box	50 pcs	R43351
Histo blade LP35S Low profile blade with increased sharpness	Box	50 pcs	R43361
Histo blade HP35S High profile blade with balance of sharpness and durability	Box	50 pcs	R43371
Histo blade Type 26 Excellent sharpness for soft tissues (Low Profile)	Box	50 pcs	R43301
Histo blade Type 42 Excellent durability for hard tissues (Low Profile)	Box	50 pcs	R43303
Histo blade Type 52 Excellent balance of sharpness and durability for hard tissues (Low Profile)	Box	50 pcs	R43304
Histo blade Type 67 Excellent sharpness for thinner sectioning (Low Profile)	Box	50 pcs	R43307
Histo blade Type 69 Excellent sharpness for both hard and soft tissues (Low Profile)	Box	50 pcs	R43308
Histo blade Type 70HP Excellent for cryo-sectioning with wide and thick blade (High Profile)	Box	50 pcs	R43341
Histo blade Type 80LA (22°) Excellent for ultra-thin sectioning, for the kidney and the lymph node (Low Angle)	Box	50 pcs	R43311
Histo blade NH35 Particularly suitable for hard tissues	Box	50 pcs	R4692
Histo blade S22 For extra-thin sectioning and very soft tissue	Box	50 pcs	R4693
Histo blade S35L For large tissue blocks and routine sectioning	Box	20 pcs	R4697
Blade for Microtome Super Histo-Line S35 Standard blade for routine practice and biopsies	Box	50 pcs	HLS35
Trimming Blade 130mm Blades with covers, fast, easy blade change	Box	10 pcs	R0130

MICROTOME KNIFE



Reusable knives for use with microtomes and cryostats. Wide selection available including a variety of knife angles and materials, for routine sectioning, sectioning of hard tissues and for materials embedded in Epoxy resin, MMA or GMA specimens.

Product	Size	Packaging	Code
Microtome Stainless Steel Knife cm 12 Reusable knives for use with microtomes and cryostats	Box	1 pc	R8612
Microtome Stainless Steel Knife cm 16 Reusable knives for use with microtomes and cryostats	Box	1 pc	R8618
Stainless Steel Knife	Box	1 pc	SK120
TC Knife Blade D profile cm 16 Tungsten carbide knife	Box	1 pc	D16-126



CUTTING



MICROTOME ACCESSORIES

IVD CE



A line of products useful for the embedding of the specimen to the cryostat, oils for microtomy and detergents for the cleaning of the instruments.

Product	Size	Packaging	Code
Ice Spray Freezing spray for histology purposes: quickly freezes the tissue to be sectioned by cryostat	Bottle	12x150 ml	R0020
Microtome cleaning spray Spray solution, for cleaning microtomes, from paraffin residues	Bottle	10x150 ml	22-135
Microtome oil Microtome lubricant	Bottle	10x100 ml	22-124
Spray disinfectant for cryostat	Bottle	4x250 ml	22-126
O.C.T. Compound (Embedding for cryostat sectioning) Embedding medium for cryostat sectioning	Bottle	12x125 ml	R0030

BRUSHES

IVD CE



Paraffin brush removes loose paraffin from microtomes and embedding compound from cryostats and aids in better sectioning. The darker bristles provide a convenient contrast to sections and debris compared to lighter colored bristles.

Product	Size	Packaging	Code
Small brush for biopsy collection	Box	10 pcs	HL3205
Small brush for microtome section collection	Box	10 pcs	HL3209
Medium brush for microtome section collection	Box	10 pcs	HL3206
Round brush for microtome blade cleaning	Box	2 pcs	HL3309
Round brush for microtome cleaning	Box	2 pcs	HL3310
Flat brush for cryostat cleaning	Box	2 pcs	HL3308





CRYOSTAT HOLDERS

IVD CE



Specimen object discs for Histo-Line cryostats and Leica compatible, circular discs with outer O-ring for easy of different diameter in circular embossed ring.
For use on all frozen specimens.

Product	Size	Packaging	Code
Disc of 25,3 mm Ø Circular discs compatible for cryostat Histo-Line MC3000-MC4000	Box	5 pcs	MC253
Disc of 30,7 mm Ø Circular discs compatible for cryostat Histo-Line MC3000-MC4000	Box	5 pcs	MC307
Disc of 18 mm Ø Circular discs compatible for cryostat Histo-Line MC5000-MC5050	Box	5 pcs	MC200
Disc of 23 mm Ø Circular discs compatible for cryostat Histo-Line MC5000-MC5050	Box	5 pcs	MC250
Disc of 26,7 mm Ø Circular discs compatible for cryostat Histo-Line MC5000-MC5050	Box	5 pcs	MC267
Disc of 28 mm Ø Circular discs compatible for cryostat Histo-Line MC5000-MC5050	Box	5 pcs	MC300
Disc of 38 mm Ø Circular discs compatible for cryostat Histo-Line MC5000-MC5050	Box	5 pcs	MC400
Disc of 53 mm Ø Circular discs compatible for cryostat Histo-Line MC5000-MC5050	Box	5 pcs	MC500



CUTTING

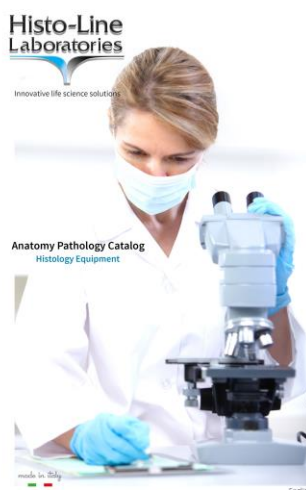


Want more information?

If you need instruments for cutting section refer to the catalog Histo-Line Instruments.
You can find the complete list of the microtomes, cryostats and special accessories that can help you.



Want to see all the available instruments? Look it in the instruments catalog or on the website



Histology Process





Microscope slide
Coverslips
Pap Pen
Manual staining set
Staining dish and jar
Mounting media
Immersion Oil
Hematoxylins reagents
Eosin reagents
Histology stains solutions
Bacteriology stains solutions
Special stain kit
Cytology fixative
Papanicolaou stains
May-Grunwald Giemsa solution
Cytology stains solutions
Cytology kit
Cytology special stain kit

STAINING



MICROSCOPE SLIDES

IVD CE



Histo-Line offers slides for the varied purposes of your lab.

Microscope slides are available in standard sizes: 1,0 mm thick in dimensions of 26 x 76 mm (ISO Norm 8037/I) microscope slides are manufactured from extra white glass.

- Feature brilliant coloring and a coating that accepts and retains laboratory markings better than comparable products.
- Easy to write on, easy to read.
- Key shows which side is up.
- Eliminate sticking and scratching.

Product	Size	Packaging	Code
Microscope slides standard Dimensions: 26x76x1 mm	Box	1000 pcs	HL26761
Microscope slides sandblasted Dimensions: 26x76x1 mm	Box	1000 pcs	HL26762
Microscope slides ground edges Dimensions: 26x76x1 mm	Box	1000 pcs	HL26763
Microscope slides one end, double frosted ground edges Dimensions: 26x76x1 mm	Box	1000 pcs	HL26764
Polylysine slides Menzel Adhesion is guaranteed by a chemical coating. Dimensions: 26x76x1 mm	Box	72 pcs	HL26765
Microscope slides Super Frost Menzel positive charged Positively charged. Dimensions: 26x76x1 mm	Box	72 pcs	HL26766
Microscope slides Super Frost White marking area Positively charged. Dimensions: 26x76x1 mm	Box	1000 pcs	HL26767
Microscope slides Super Frost Yellow marking area Positively charged. Dimensions: 26x76x1 mm	Box	1000 pcs	HL26768



STAINING



COVERSLIPS



Uniform sizes coverslips available in standard sizes: 0.13-0.16 mm thick, (ISO8037/I standards).

- These cover glasses are made from the best quality glass, and each set of numbered slides is uniform in size and thickness.
- Quality glass construction
- Microscopy slides are made of extra white glass.

Product	Size	Packaging	Code
Histology Coverslips 15x15 mm Coverslips for microscopy. Thickness: 0.13 - 0.16 mm	Box	1000 pcs	HL1515
Histology Coverslips 18x18 mm Coverslips for microscopy. Thickness: 0.13 - 0.16 mm	Box	1000 pcs	HL1818
Histology Coverslips 18x24 mm Coverslips for microscopy. Thickness: 0.13 - 0.16 mm	Box	1000 pcs	HL1824
Histology Coverslips 20x20 mm Coverslips for microscopy. Thickness: 0.13 - 0.16 mm	Box	1000 pcs	HL2020
Histology Coverslips 21x26 mm Coverslips for microscopy. Thickness: 0.13 - 0.16 mm	Box	1000 pcs	HL2126
Histology Coverslips 22x22 mm Coverslips for microscopy. Thickness: 0.13 - 0.16 mm	Box	1000 pcs	HL2222
Histology Coverslips 24x24 mm Coverslips for microscopy. Thickness: 0.13 - 0.16 mm	Box	1000 pcs	HL2424
Histology Coverslips 24x32 mm Coverslips for microscopy. Thickness: 0.13 - 0.16 mm	Box	1000 pcs	HL2432
Histology Coverslips 24x36 mm Coverslips for microscopy. Thickness: 0.13 - 0.16 mm	Box	1000 pcs	HL2436
Histology Coverslips 24x40 mm Coverslips for microscopy. Thickness: 0.13 - 0.16 mm	Box	1000 pcs	HL2440
Histology Coverslips 24x50 mm Coverslips for microscopy. Thickness: 0.13 - 0.16 mm	Box	1000 pcs	HL2450
Histology Coverslips 24x60 mm Coverslips for microscopy. Thickness: 0.13 - 0.16 mm	Box	1000 pcs	HL2460

PAP PEN



Marking pen for histological and cytological specimens, ideal for immunohistochemistry.

- Insoluble to alcohol and acetone. Waterproof.
- Resistant to microwaves and temperatures up to 120° C.
- Removable with xylol or substitute products

Product	Size	Packaging	Code
Super Pap Pen (fine tip) Marking pen for histological and cytological specimens, ideal for immunohistochemistry, at 5 mm	Unit	1 pc	10-0045
Mini Pap Pen It spreads a water repellent waxy film on the slide, to limit the staining area at 2 mm	Unit	1 pc	LP0002



STAINING



MANUAL STAINING SET

IVD CE



The manual staining set is ideal for little lab that have few glasses to staining.

- This system is for staining histology and cytology procedure.
- Basket and tanks are resistant to solvents and to high temperature (up to 170°C) and can be used in microwave ovens.

Product	Size	Packaging	Code
Histology Set Rack complete with 12 tanks and slide holder basket	Unit	1 rack	HL1224
Plastic spare 12 tanks	Box	12 tanks	HL1212
Plastic spare handle	Box	6 handle	HL0606

STAINING DISH

IVD CE



Tray slide holder without internal channels complete with lid. Baskets that can hold 10 places in glass and stainless steel or made of transparent TPX (polymethylpentene, PMP) with folding handle to 20 seats.

Product	Size	Packaging	Code
Staining dish made of glass Staining dish for 20 slides	Box	10 pcs	01.4060.00
Glass slide holder basket to 10 slides	Box	1 pc	01.4063.00
Handle stainless steel basket glass slide rack 10 slides	Box	1 pc	01.4065.00
Slide holder basket in stainless steel with a long handle For 20 slides	Box	1 pc	04.4270.27
Basket with handle in PMP For staining 20 slides	Box	1 pcs	06.0354.00
Staining dish made in PMP Accompanied by two lids: one to total closure and one with a slit for the insertion of the basket during the colorations for 20 slides	Box	1 pc	06.0353.00



STAINING



SCHIFFERDECKER STAINING DISH

IVD CE



Tray for staining in glass or in TPX (polymethylpentene, PMP) with 10 seats, can hold up to 20 microscope slides horizontally back to back slide. Equipped with lid.

Product	Size	Packaging	Code
Schifferdecker staining dish made of glass Rack complete equipped with glass lid, size 26x76 mm	Box	4 pcs	01.4050.00
Schifferdecker staining dish made of TPX Rack complete equipped with lid, size 85x70x50 mm	Box	4 pcs	06.0351.00

HELLENDHAL STAINING JAR

IVD CE



Tray for for staining in glass or in TPX (polymethylpentene, PMP) with 8 grooves, may contain up to 16 slides vertically, back to back, with dimensions 26x76 mm.

Product	Size	Packaging	Code
Helledhal staining dish made of glass Rack complete equipped with glass lid, size 26x76 mm	Box	4 pcs	01.4040.00
Helledhal staining dish made of TPX Rack complete equipped with lid, external size 58x53,5x86 mm	Box	4 pcs	06.0355.00

COPLIN STAINING JAR

IVD CE



Tank glass, Wheaton original, for staining that can contain up to 10 microscope slides with dimensions of 25x75 mm, dimensioned so that the slides protrude and can be manipulated without the aid of forceps. The lid screw reduces evaporation of the reagents. The tray has a rectangular base and can hold about 55 ml of reagent.

Product	Size	Packaging	Code
Coplin staining jar with lid in glass Complete equipped with glass lid, size 26x75 mm, capacity 65ml	Box	6 pcs	01.4070.00
Coplin staining jar with lid in PP Complete equipped with PP lid, size 26x26x70 mm, capacity 55ml	Box	6 pcs	01.4075.00
Coplin staining jar with lid in PP for TLC Complete equipped with PP lid, size 26x26x90 mm, capacity 60ml, for TLC chromatography	Box	6 pcs	01.4080.00

STAINING



MOUNTING MEDIA



Wide choice of mounting medium of fast drying that can be used with automatic cover slipper. For example, the Pertex has a low viscosity allowing it to flow easily without bubbles and without affecting the shape, structure or color of the sample mounted.

Product	Size	Packaging	Code
Pertex Mounting medium, dissolved in xylene	Bottle	3x1 lt	R0080
		6x500 ml	R0081

Styrene-based media for permanent mounting

Product	Size	Packaging	Code
HistoMount DPX Medium viscosity xylene-based medium for permanent covering of microscope samples and mounting cover slips	Bottle	250 ml	01BM250
		500 ml	01BM500
HistoMount DPX High High viscosity xylene-based medium for permanent covering of microscope samples and mounting cover slips	Bottle	250 ml	01BMH250
		500 ml	01BMH500
HistoMount DPX Low Very low viscosity xylene-based medium for permanent covering of microscope samples and mounting cover slips. Usage in automated cover slip machines.	Bottle	250 ml	01BML250
		500 ml	01BML500
HistoMount DPX New Low viscosity xylene-based medium for permanent covering of microscope samples and mounting cover slips. Medium contains more environmentally friendly plasticizer instead of harmful dibutyl phthalate. Usage in automated cover slip machines.	Bottle	250 ml	01BMLE250
		500 ml	01BMLE500

Xylene substitute-based media for permanent mounting

Product	Size	Packaging	Code
HistoMount New Medium viscosity universal medium for permanent covering of microscope samples deparaffinized using xylene substitute- based medium, as well as xylene-based medium.	Bottle	250 ml	01BMN250
		500 ml	01BMN500
HistoMount New Low Very low viscosity universal medium for permanent covering of microscope samples deparaffinized using xylene substitute- based medium, as well as xylene-based medium.	Bottle	250 ml	01BMNL250
		500 ml	01BMNL500

Methacrylate-based media for permanent mounting

Product	Size	Packaging	Code
HistoMount Low viscosity xylene-based medium for permanent covering of microscope slides and mounting cover slips.	Bottle	250 ml	01BMT250
		500 ml	01BMT500
HistoMount High Very high viscosity xylene-based medium for permanent covering of microscope samples and mounting cover slips.	Bottle	250 ml	01BMTH250
		500 ml	01BMTH500
HistoMount M Very low viscosity toluene-based medium for permanent covering of microscope samples and mounting cover slips.	Bottle	250 ml	01BMM250
		500 ml	01BMM500



STAINING



MOUNTING MEDIA ADDITIONAL



Isoparaffin substitute-based media for permanent mounting

Product	Size	Packaging	Code
Ultrakitt (isoparaffin mounting media)	Bottle	500 ml	3921-500
Ultrakitt is a reagent that is used as mounting medium in cytology and histology Specific for clarifier based on isoparaffins.		6x100 ml	3921-600
Ultrakitt is not dangerous and does not contain cyclic or aromatic solvents.			

Balsam

Product	Size	Packaging	Code
Canada Balsam	Bottle	250 ml	01KB250
Very high viscosity natural medium for permanent covering of microscope slides and mounting cover slips.		500 ml	01KB500
HistoMount C	Bottle	250 ml	01BMC250
Very high viscosity medium for permanent covering of microscope slides and mounting cover slips.		500 ml	01BMC500

Water-based media for mounting

Product	Size	Packaging	Code
HistoMount Aqua	Bottle	250 ml	01BMA250
Water-based medium for covering microscope slides and mounting cover slips. With application in immunostaining and other techniques.		500 ml	01BMA500

IMMERSION OIL



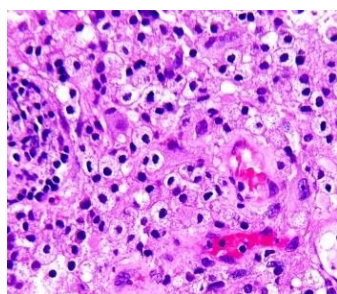
Immersion oils are mandatory for use in every laboratory, especially in hematology, cytology and microbiology. They are commonly used for high scale magnifications in order to secure high resolution and clear image of the section.

Product	Size	Packaging	Code
Immersion oil Immersion oil for microscopical analysis with optimal viscosity of 600-1100 cSt.	Bottle	10x10 mL	01IU1010
		100 ml	01IU100
		250 ml	01IU250
Immersion oil Type A Immersion oil for microscopical analysis with low viscosity of 100-150 cSt.	Bottle	10x10 mL	01IUA1010
		100 ml	01IUA100
		250 ml	01IUA250
Immersion oil Type C Immersion oil for microscopical analysis with high viscosity of 1500-2200 cSt.	Bottle	100 ml	01IUC100
		250 ml	01IUC250
		500 ml	01IUC500
Immersion oil Type FF (fluorescence) Immersion oil for microscopical analysis in fluorescence microscopy because of complete absence of fluorescence.	Bottle	100 ml	01IUF100
		250 ml	01IUF250
		500 ml	01IUF500





HEMATOXYLIN REAGENTS



Nuclear stains for standard histology and cytology staining.

Optimal quality, high reproducibility; all solutions are stable and guarantee excellent cell details.

Legend:

- Histology use
- Cytology use
- Immunohistochemistry use

Product	Size	Packaging	Code
Hematoxylin Harris (for histology) ■ Hematoxylin according to Harris, most commonly used formulation in HE staining. Strong intensity reagent for progressive and regressive staining in histopathology.	Bottle	100 ml	01HEMH100
		500 ml	01HEMH500
		1 lt	01HEMH1000
		2,5 lt	01HEMH2500
Hematoxylin Mayer ■ ■ Modified hematoxylin according to Mayer. Weaker intensity reagent for progressive staining in histopathology and counterstaining in immunohistochemistry. (H, I)	Bottle	100 ml	01HEMM100
		500 ml	01HEMM500
		1 lt	01HEMM1000
		2,5 lt	01HEMM2500
Hematoxylin Mayer-Lillie ■ ■ Modified hematoxylin according to Mayer-Lillie. Strong intensity new generation reagent for progressive and regressive staining in histopathology. (H, I)	Bottle	100 ml	01HEMML100
		500 ml	01HEMML500
		1 lt	01HEMML1000
		2,5 lt	01HEMML2500
Hematoxylin Gill 1 ■ ■ ■ Hematoxylin according to Gill, ideal for staining goblet cells. New generation reagent for delicate progressive staining in histopathology, cytology and for counterstaining in immunohistochemistry. (H, C, I)	Bottle	100 ml	01HEMG1100
		500 ml	01HEMG1500
		1 lt	01HEMG11000
		2,5 lt	01HEMG12500
Hematoxylin Gill 2 ■ ■ ■ Hematoxylin according to Gill, contains double concentration of hematoxylin compared to Hematoxylin G2. Moderate intensity new generation reagent for progressive staining in histopathology, cytology and for counterstaining in immunohistochemistry. (H, C, I)	Bottle	100 ml	01HEMG2100
		500 ml	01HEMG2500
		1 lt	01HEMG21000
		2,5 lt	01HEMG22500
Hematoxylin Gill 3 ■ ■ Hematoxylin according to Gill, contains double concentration of hematoxylin compared to Hematoxylin G3. Moderate intensity new generation reagent for progressive staining in histopathology, cytology and for counterstaining in immunohistochemistry. (H, C,)	Bottle	100 ml	01HEMG3100
		500 ml	01HEMG3500
		1 lt	01HEMG31000
		2,5 lt	01HEMG32500
Weigert hematoxylin kit ■ ■ Acid-resistant hematoxylin according to Weigert. Two-reagent kit that stains the nuclei blue-black, often a component of special staining kits for connective tissues. (H, I)	Bottle	2X100 ml	01HEMW100
		2X500 ml	01HEMW500
		2X1 lt	01HEMW1000



STAINING



HEMATOXYLIN REAGENTS



Product	Size	Packaging	Code
Phosphotungstic hematoxylin - P.T.A.H. ■	Bottle	500 ml	01HPTA500
Hematoxylin Phosphotungstic Acid, Mallory P.T.A.H. reagent. Simultaneously stains different types of tissue reddishbrown and blue. For differentiation between fibrin, smooth and cross-striated muscle fibers. (H)		1 lt	01HPTA1000
Carazzi hematoxylin ■■	Bottle	100 ml	01HEMCA100
Hematoxylin according to Carazzi for delicate nuclear staining without staining cytoplasmic components. Reagent for progressive staining of frozen sections in histopathology. (H, I)		500 ml	01HEMCA500
		1 lt	01HEMCA1000
Cole hematoxylin ■■	Bottle	100 ml	01HEMCO100
Modified hematoxylin according to Cole, contains iodine. Weaker intensity reagent for progressive and regressive staining in histopathology. (H, I)		500 ml	01HEMCO500
		1 lt	01HEMCO1000
Hematoxylin Instant kit	Bottle	1 lt	01HEMI1000
Two-component kit that contains ready-to-use powders for preparation of hematoxylin reagent for progressive and regressive nuclear staining in histopathology and cytology.		6 lt	01HEMI6000
Kit for rapid HE staining of frozen and paraffin-embedded sections	Bottle		
Ready-to-use eight-reagent kit (in 16 containers that can be used as staining jars) for rapid HE staining of frozen and paraffin tissue sections in histopathology. Contains xylene substitute as clearing agent and xylene substitute-based medium for permanent section covering.		100 test	01HE100T

HEMATOXYLIN REAGENTS (ADDITIONAL)



Product	Size	Packaging	Code
Harris Hematoxylin GB modified for histology	Bottle	6x500 ml	0209180
High concentration of Hematoxylin modified			
Harris Hematoxylin AB for Bouin sections	Bottle	6x500 ml	0209183
High concentration of Hematoxylin for tissue fixed in Bouin			
Hematoxylin Anderson	Bottle	6x500 ml	0209184
Nuclear stain			
Hematoxylin Heidenhain (ferric)	Bottle	6x500 ml	0209189
For cellular			
Hematoxylin Delafield	Bottle	6x500 ml	0209176
Specific for vegetal tissue			
Hematoxylin Ehrlich	Bottle	6x500 ml	0209139
Hematoxylin Cloradio	Bottle	6x500 ml	0209175
Weigert A Hematoxylin (ferric)	Bottle	100 ml	01HEMA100
Hematoxylin solution in ethanol, component of Hematoxylin W kit.		500 ml	01HEMA500
		1 lt	01HEMA1000
Weigert B Hematoxylin (ferric)	Bottle	100 ml	01FR100
Iron(III) nitrate solution in diluted hydrochloric acid, a component of Hematoxylin W kit.		500 ml	01FR500
		1 lt	01FR1000

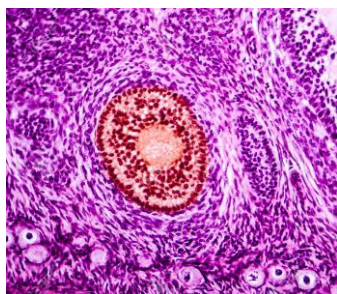


STAINING



EOSIN REAGENTS

IVD CE



Eosin Y (yellowish eosin) solutions are regularly used as counterstain to hematoxylin in standard histology HE staining method. Eosin Y is an anionic dye that stains basic cell components (such as cytoplasm, collagen, muscle fibers and erythrocytes) bright red.

Cytoplasmic stains for standard HE staining

Product	Size	Packaging	Code
Eosin Y 0.2% aqueous solutions For distinguishing cellular elements in blood smears	Bottle	1 lt	01EOY021000
		2,5 lt	01EOY022500
Eosin Y 0.5% aqueous solutions For distinguishing cellular elements in blood smears	Bottle	1 lt	01EOY051000
		2,5 lt	01EOY052500
Eosin Y 1% aqueous solutions For distinguishing cellular elements in blood smears	Bottle	1 lt	01EOY101000
		2,5 lt	01EOY102500
Eosin Y 2% aqueous solutions For distinguishing cellular elements in blood smears	Bottle	1 lt	01EOY201000
		2,5 lt	01EOY202500
Eosin Y 0.5% alcoholic solutions For distinguishing cellular elements in blood smears	Bottle	1 lt	01EOYA051000
		2,5 lt	01EOYA052500
Eosin Y 1% alcoholic solutions For distinguishing cellular elements in blood smears	Bottle	1 lt	01EOYA101000
		2,5 lt	01EOYA102500
Eosin Y 2% alcoholic solutions For distinguishing cellular elements in blood smears	Bottle	1 lt	01EOYA201000
		2,5 lt	01EOYA202500

EOSIN REAGENTS (ADDITIONAL)

IVD CE

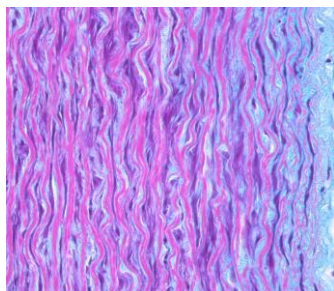
Product	Size	Packaging	Code
Eosin Contrast Modified alcoholic solution for cytoplasmic counterstaining. The reagent contains Eosin Y and Phloxine B for enhanced counterstaining effect.	Bottle	1 lt	01EOYK1000
		2,5 lt	01EOYK2500
Eosin Contrast PLUS Modified alcoholic solution for intensive cytoplasmic counterstaining. Reagent contains eosin Y, Phloxine B, and Biebrich Scarlet dyes for additional counterstaining effect.	Bottle	1 lt	01EOYKP1000
		2,5 lt	01EOYKP2500
Eosin Y instant aqueous Mixture of powders for preparation of eosin reagent in aqueous medium.	Bottle	1 lt	01EOYIAQ1000
Eosin Y instant alcoholic Mixture of powders for preparation of eosin reagent in alcoholic medium.	Bottle	1 lt	01EOYIAL1000



STAINING



HISTOLOGY STAINS SOLUTIONS



Staining solutions born from our consolidated experience in Anatomic Pathology:

- Guarantee of high quality products
- Ready-to-use
- Full product offering
- Available in different sizes to meet all lab needs

Product	Size	Packaging	Code
A.F.O.G. solution For use with A.F.O.G. (Acid Fuchsin Orange G) kit	Bottle	100 ml	01AFOG100
Amman's lactophenol solutions	Bottle	6x100 ml	0209101
Armand staining solution	Bottle	6x100 ml	0209104
Alcian Blue pH 1 Solution for staining heavily sulfated mucopolysaccharides. A component of Alcian Blue pH 1.0 kit	Bottle	100 ml	01AB10100
		500 ml	01AB10500
		1 lt	01AB101000
Alcian Blue pH 2,5 Reagent for staining acid mucopolysaccharides of intestinal goblet cells. A component of Alcian Blue-P.A.S. and Alcian Blue pH 2.5 staining kits	Bottle	100 ml	01AB2100
		500 ml	01AB2500
		1 lt	01AB21000
Alizarine Red	Bottle	6x250 ml	0209285
Aniline Blue reagent Counterstain used with Masson Trichrome kit	Bottle	100 ml	01ABR100
		500 ml	01ABR500
Aniline Blue - Orange G Heidenhain Polychrome solution for Azan trichrome staining	Bottle	6x250 ml	0209109
Biebrich Scarlet-Acid Fuchsin reagent For use with Masson Trichrome and Masson-Goldner Trichrome staining kits	Bottle	100 ml	01BSAF100
		500 ml	01BSAF500
Blue astra pH 2,5 Stain for mucins	Bottle	6x250 ml	0209111
Brilliant Cresyl Blue solution Solution for staining reticulocytes in blood	Bottle	100 ml	01BCB100
		500 ml	01BCB500
		1 lt	01BCB1000
Blue methylene Mallory Nuclear stain	Bottle	6x250 ml	0209123
Blue trypan water solution	Bottle	50 ml	0209124
Carbol Fuchsin reagent Primary stain reagent for acid-fast bacteria (Ziehl-Neelsen reagent) used both in TB-Stain Hot and TB-Stain Cold kits.	Bottle	100 ml	01TBC100
		250 ml	01TBC250
		500 ml	01TBC500
		1 lt	01TBC1000
		2,5 lt	01TBC2500
Carmine alum solution For chromosome staining	Bottle	6x250 ml	0209127
Congo Red reagent For use with Congo Red Highman kit.	Bottle	100 ml	01CR100
Cresyl violet Kluwer Barrera For use with Luxol Fast Blue kit	Bottle	100 ml	01CV100
Cresyl violet according to Moore For staining of sexual chromatin	Bottle	6x250 ml	0209135
Cresyl violet according to Gram For Gram-positive bacteria	Bottle	6x250 ml	0209136



STAINING



HISTOLOGY STAINS SOLUTIONS



Product	Size	Packaging	Code
Decolorizer reagent For use in TB-Stain Hot and TB-Stain Cold kits.	Bottle	100 ml	01TBD100
		250 ml	01TBD250
		500 ml	01TBD500
		1 lt	01TBD1000
		2,5 lt	01TBD2500
Degommier auramine phenicated Decolorizing solution	Bottle	6x500 ml	0209139
Degommier decolorized Decolorizing solution	Bottle	6x1000 ml	0209140
Erythrosine orange Dominici For cytoplasm and connective staining	Bottle	6x250 ml	0209218
Erythrosine B solution For cytoplasm and connective staining	Bottle	6x250 ml	0209219
Fast Green F.C.F. reagent Counterstain used with Masson-Goldner Trichrome and Paraldehyde Fuchsin staining kits.	Bottle	100 ml	01FGR100
		500 ml	01FGR500
Fast Green F.C.F. contrast reagent Counterstain used with Grocott and P.A.S.M. staining kits.	Bottle	100 ml	01FGKR100
Fuchsin Acid reagent For use with Mallory Trichrome kit	Bottle	100 ml	01FA100
Fuchsin Acid Van Gieson reagent For use with Van Gieson Trichrome kit, synonym Picrofuchsin reagent	Bottle	100 ml	01FAG100
Fuchsine paraldehyde Gridley For evidencing fungi	Bottle	6x250 ml	0209223
Fuchsine ponceau Masson For cytoplasm, keratin, muscle fibers	Bottle	6x250 ml	0209224
Geimsa R stock solution Dilution 1:20	Bottle	6x1000 ml	0209230
Geimsa L stock solution Dilution 1:20	Bottle	6x1000 ml	0209231
Gram-Hucker (oxalate violet crystal) Decolorizing solution	Bottle	6x250 ml	0209240
Gentian violet phenic solution	Bottle	6x1000 ml	0209313
Kuhne solution (blue methylene phenic)	Bottle	6x250 ml	0209245
Lactophenol solution Colorless solution for use in microbiology and analysis of fungi.	Bottle	100 ml	01LP100
		250 ml	01LP250
Lactophenol blue solution For use in microbiology for staining and analysis of fungi.	Bottle	100 ml	01LPB100
		250 ml	01LPB100



STAINING



HISTOLOGY STAINS SOLUTIONS



Product	Size	Packaging	Code
Leishman solution Polychromatic solution of Eosin Y, Methylene Blue and azure dyes. For staining in hematology and clinical cytology	Bottle	100 ml	01LE100
		500 ml	01LE500
		1 lt	01LE1000
Luxol fast blue For use with Luxol Fast Blue kit	Bottle	100 ml	01LFB100
Mayer carmallum Nuclear stain	Bottle	100 ml	01MK100
Mayer whit phenolphthalein	Bottle	6x500 ml	0209253
Metanil Yellow solution For use with Mucicarmine kit	Bottle	100 ml	01MY100
Methylene Blue 10x concentrated Concentrated counterstain solution of Methylene Blue dye for use in microbiology.	Bottle	100 ml	01MB10X100
		500 ml	01MB10X500
		1 lt	01MB10X1000
Methylene Blue Loeffler's reagent Blue counterstain for non acid-bacteria in microbiology and histology.	Bottle	100 ml	01MBL100
		250 ml	01MBL250
		500 ml	01MBL500
		1 lt	01MBL1000
		2,5 lt	01MBL2500
Methyl green purified Unna	Bottle	6x250 ml	0209310
Mucicarmine solution For use with Mucicarmine kit.	Bottle	100 ml	01MMU100
Neutral red reagent Neutral Red aqueous counterstain solution for use with special staining kits.	Bottle	100 ml	01NR100
Nigrosine isotonic solution	Bottle	100 ml	01NIO100
Nitro blue tetrazolium	Bottle	6x150 ml	0209326
Nuclear Fast Red (Kernechtrot) reagent 0.1% Nuclear Fast Red dye solution for staining nuclei. Counterstain in many special staining kits	Bottle	100 ml	01KR100
		250 ml	01KR250
		500 ml	01KR500
Orcein reagent For use with Orcein kit.	Bottle	250 ml	01ORCR250
Orcein according to Shikata For elastic fiber staining	Bottle	6x250 ml	0209262
Orange G / Aniline Blue reagent	Bottle	100 ml	01OGA100
Orange G Pears Specific stains for hypophysis	Bottle	6x150 ml	0209103
Picro indigo carmine For connective tissue and erythrocytes	Bottle	6x250 ml	0209273
Pyronin Y	Bottle	6x250 ml	0209278
Phenol 85%	Bottle	6x1 lt	0209220
Phloxine B 3% solution For cytoplasm staining	Bottle	6x250 ml	0209271
Puchter Sirius red For amyloid	Bottle	6x100 ml	0209287
Red ponceau For amyloid	Bottle	6x1 lt	0209288



STAINING



HISTOLOGY STAINS SOLUTIONS



Product	Size	Packaging	Code
Resorcline Fuchsin reagent For use with Weigert-Van Gieson kits.	Bottle	100 ml	01RFR100
Saffron Gatinais alcoholic solution	Bottle	6x250 ml	0209317
Schiff reagent Schiff's reagent for detecting aldehydes and mucous substances. A component of P.A.S. and Alcian Blue-P.A.S. staining kits	Bottle	100 ml	01BS100
		500 ml	01BS500
		1 lt	01BS1000
Schiff reagent for aldehyde	Bottle	6x500 ml	0209293
Schiff reagent for Feulgen & Rossenbeck Stain for DNA	Bottle	6x250 ml	0209292
Tincture mercuriothiolate of (MIF tecnica)	Bottle	6x250 ml	0209301
Toluidine blue solution Solution for nuclear staining and metachromatic staining of mastocytes in connective tissues	Bottle	100 ml	01TB100
		250 ml	01TB250
Verheoff A, hematoxylin	Bottle	100 ml	01HEMV100
Verheoff B, ferri reagent	Bottle	100 ml	01FRV100
Verheoff C, iodine solution For HBsAg and elastic fibers	Bottle	100 ml	01JODV100
Wright's solution Polychromatic solution of Eosin Y, Methylene Blue and azure dyes. For staining in hematology, cytology and cytogenetics.	Bottle	100 ml	01WR100
		500 ml	01WR500
		1 lt	01WR1000

On request, further sizes available. Contact our office for more information.





BACTERIOLOGY STAINS SOLUTIONS

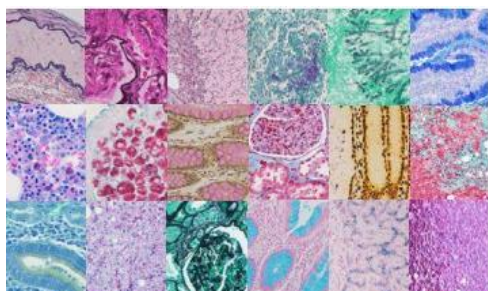


Product	Size	Packaging	Code
BioGram 4 kit Four-reagent kit for identification of bacteria according to Gram. Kit contains Gram Crystal Violet 1% solution, stabilized Gram Lugol solution, double amount of Gram Decolorizer solution 2 and Gram Safranin solution as a counterstain	Bottle	5x100 ml	01BGR4100
		5x250 ml	01BGR4250
		5x500 ml	01BGR4500
Gram Crystal Violet 1% solution Primary stain reagent for Gram-positive bacteria	Bottle	100 ml	01GC1100
		250 ml	01GC1250
		500 ml	01GC1500
		1 lt	01GC11000
		2,5 lt	01GC12500
Gram Lugol solution, stabilized Solution contains polyvinylpyrrolidone iodine (PVP-I).	Bottle	100 ml	01GLS100
		250 ml	01GLS250
		500 ml	01GLS500
		1 lt	01GLS1000
		2,5 lt	01GLS2500
Gram Decolorizer solution 2 Medium speed decolorizer used after stabilized iodine solution	Bottle	100 ml	01GD2100
		250 ml	01GD2250
		500 ml	01GD2500
		1 lt	01GD21000
		2,5 lt	01GD22500
Gram Safranin solution Counterstain for Gram-negative bacteria, contains Safranin O dye.	Bottle	100 ml	01GSF100
		250 ml	01GSF250
		500 ml	01GSF500
		1 lt	01GSF1000
		2,5 lt	01GSF2500
Gram Lugol solution Non-stabilized Lugol solution.	Bottle	100 ml	01GL100
		250 ml	01GL250
		500 ml	01GL500
		1 lt	01GL1000
Gram Decolorizer solution 1 Slow acting decolorizer solution used after non-stabilized iodine solution.	Bottle	100 ml	01GD1100
		250 ml	01GD1250
		500 ml	01GD1500
		1 lt	01GD11000
Gram Decolorizer solution 3 Fast acting solution used with automated stainers	Bottle	100 ml	01GD3100
		250 ml	01GD3250
		500 ml	01GD3500
		1 lt	01GD31000



STAINING










SPECIAL STAINING KITS (GUIDE)



Histology special stains use reagents and solutions made from histological dyes to identify and demonstrate specific structures and cellular components that aid pathologists in the evaluation of certain diseases. Histo-Line Laboratories offers the most commonly used special stain kits for your research needs. All of our special stain kits contains solutions that are pre-diluted, ready to use form. A step by step protocol is provided for each kit for the convenience of users.



Classification of special staining kits according to use

<div>CONNECTIVE TISSUE </div> <div> <div>A.F.O.G kit</div> <div>Azan Trichrome kit</div> <div>Gomori Trichrome kit</div> <div>Hematoxylin P.T.A. kit</div> <div>Hematoxylin W kit</div> <div>Mallory Trichrome kit</div> <div>Masson Trichrome kit</div> <div>Masson-Goldner Trichrome kit</div> <div>Movat kit</div> </div> <div> <div>Paraldehyde Fuchsin kit</div> <div>P.A.S.M. kit</div> <div>Reticulin kit</div> <div>Reticulin Contrast kit</div> <div>Van Gieson Trichrome kit</div> <div>Verhoeff kit</div> <div>Weigert-Van Gieson kit, rapid method</div> <div>Weigert-Van Gieson kit, standard method</div> </div>		
<div>FUNGI, BACTERIA AND PARASITES </div> <div> <div>Gram kit</div> <div>Field kit</div> <div>Giemsa kit</div> <div>Grocott kit</div> <div>M.I.F. kit</div> <div>TB-Stain kit</div> <div>Warthin Starry kit</div> </div>	<div>PIGMENTS AND MINERAL DEPOSITS </div> <div> <div>Fouchet-Van Gieson kit</div> <div>Grimelius kit</div> <div>Perls kit</div> <div>Masson Fontana kit</div> <div>Rhodanine kit</div> <div>Von Kossa kit</div> </div>	<div>CYTOLOGY </div> <div> <div>Bio-Diff kit</div> <div>Eosin and nigrosin vital kit</div> <div>Eosin-nigrosin vital</div> <div>Sperm-Diff kit</div> <div>Sudan Black B kit</div> </div>
<div>LIPIDS </div> <div> <div>Oil Red O kit</div> <div>Sudan Black B lipid kit</div> </div>	<div>CRYOSTAT </div> <div> <div>Gomori Trichrome kit Oil</div> <div>Red O kit</div> <div>Orcein kit</div> <div>Sudan Black B lipid kit</div> </div>	<div>CARBOHYDRATES </div> <div> <div>Alcian Blue - P.A.S. kit</div> <div>Alcian Blue pH 1.0 kit</div> <div>Alcian Blue pH 2.5 kit</div> <div>Congo Red Highman kit</div> <div>Mucicarmine kit</div> <div>P.A.S. kit</div> </div>
<div>NUCLEI AND NUCLEIC ACIDS </div> <div> <div>Feulgen kit</div> </div>	<div>CENTRAL NERVOUS SYSTEM </div> <div> <div>Luxol Fast Blue kit</div> </div>	

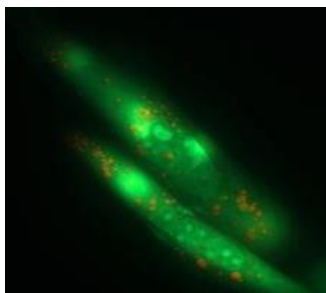
STAINING



SPECIAL STAIN KIT

IVD CE

Acridine orange for plasmodies and DNA



Acridine orange is used as a fluorescence dye for differential staining of DNA and RNA.

Results:

DNA: green to yellow green

RNA: red fluorescence

Code



0214157T100

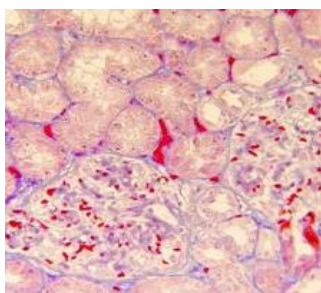
100

15-25°C

2 years

20'

A.F.O.G.



Six-reagent Acid Fuchsin Orange G kit for selective staining of glomerular protein deposits and collagen in kidney biopsies.

Results:

Collagen fibrils: blue; Nuclei: black

Erythrocytes, cytoplasm: pink - orange

Elastic fibrils: pale pink or unstained

Glomerular protein deposits lively: red

Code



01AFOG100T

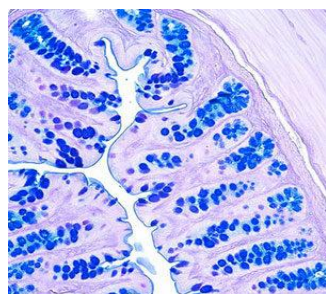
100

15-25°C

2 years

30'

Alcian Blue pH 0,5



Three-reagent kit for the specific demonstration of acid mucopolysaccharides in tissue section.

Results:

Acid mucins: torquose blue

Nuclei: red

Code



0214101T100

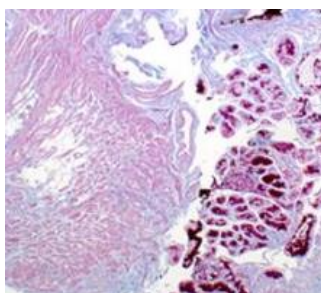
100

15-25°C

2 years

50'

Alcian Blue pH 1



Three-reagent kit for the specific demonstration of acid mucopolysaccharides in tissue section.

Results:

Acid mucins: torquose blue

Nuclei: red

Code



01AB10100T

100

15-25°C

2 years

50'



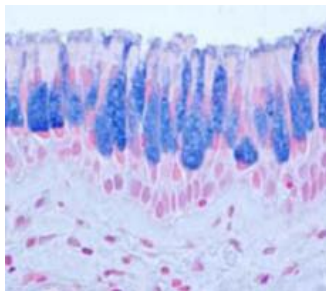
STAINING



SPECIAL STAIN KIT

IVD CE

Alcian Blue pH 2,5



Three-reagent kit for the specific demonstration of acid mucopolysaccharides in tissue section.

Results:

Acid mucins: torquose blue

Nuclei: red

Code



01AB25100T

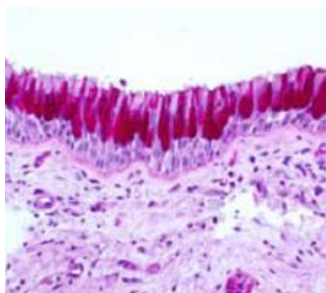
100

15-25°C

2 years

50'

Alcian Blue P.A.S



Seven-reagent to distinguish between acid mucins, neutral mucins and carbohydrates in tissue sections.

Results:

Acid mucins: torquose blue

Nuclei: red

Code



01ABP100T

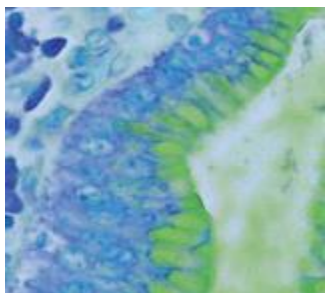
100

4-8°C

1 years

1h-30'

Alcian Yellow - Toluidine Blue



Combined method for staining *Helicobacter pylori* and epithelial mucins in gastric tissue sections; recommended thickness 5 μ m.

Results:

Helicobacter pylori: blue

Mucin: yellow

Background: blue

Code



0214147T100

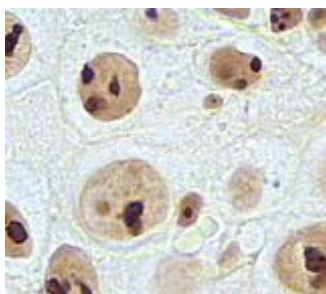
100

15-25°C

1 years

25'

AgNor



Method to detect to argentafin proteins associated to the nucleolar organizing region (NOR)

Results:

Argentafins granules: black

Code



0214100T100

100

15-25°C

1 years

30'



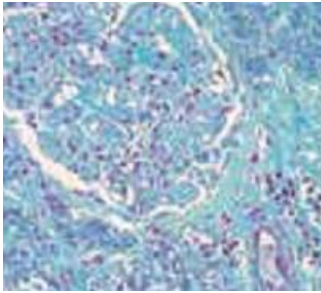
STAINING



SPECIAL STAIN KIT

IVD CE

Azan trichrome



Five-reagent for the connective tissue, especially recommended for muscular fibres, glial cells, collagen, reticulum, kidney stromal glomerular cells, erythrocytes and nuclear chromatin.

Results:

Collagen, reticulum, basophil cells granules of hypophysis, juxtaglomerular granules and kidney glomerular stroma: deep blue Neuroglia: reddish Muscle: orange
Chromatin, erythrocytes and acidophil granules of hypophysis: red Cytoplasmatic granules of hypophysis delta cells: light blue

Code



01AZT100T

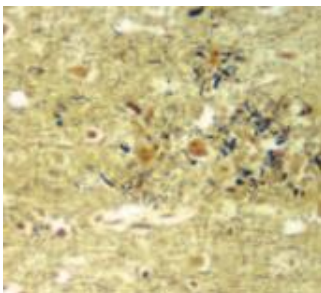
100

15-25°C

2 years

1h-40'

Bielschowsky



Recommended method for staining neurofibrils, axons, dendrites and senile plaque.

Results:

Neurofibrils, axons and dendrites: black
Background: yellow - tobacco brown

Code



0214148T100

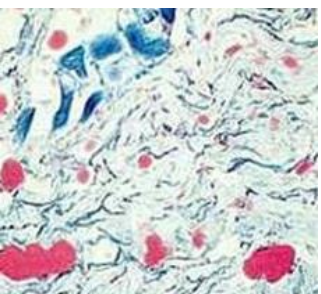
100

4-8°C

1 years

45'

Blue Nile for neutral lipid



For staining neutral lipids

Results:

Unsaturated hydrophobic lipids: blue
Free fatty acids: pink to blue; Phospholipids: blue

Code



0214150T100

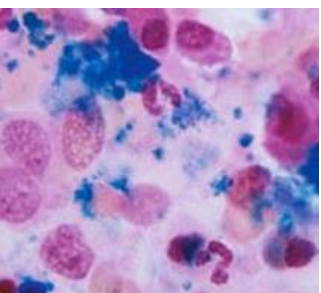
50

4°C

6 months

40'

BOM bone marrow biopsy



Decalcifying and fixative for bone marrow biopsy in the study of hematologic disease

Results:

B5 modified
E.D.T.A acid buffer

Code



0214156T100

100

15-25°C

2 years

30'



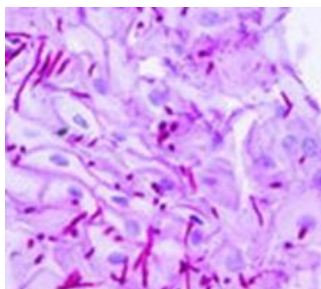
STAINING



SPECIAL STAIN KIT

IVD CE

Castaneda's stain for Rickettsiae



To differentiate the rickettsiae, chlamydia and mycoplasma on the basis of cell structure, metabolism, genetic characteristics, pathogenicity, routes of disease transmission and methods of diagnosis.

Results:

Rickettsiae, elementary bodies of psittacosis: blue

Cell nuclei and cytoplasm: red

Code



0214154T100

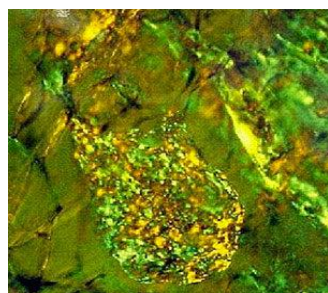
50

15-25°C

2 years

25'

Congo Red



Three-reagent for staining amyloid in tissue sections

Results:

Amyloid brick: red, birefringent in polarized light

Nuclei: blue

Code



01CR100T

100

15-25°C

1 years

35'

Diastase digestion method



Histological section digestion by diastase solution is recommended when glycogen has to be removed for observing only epithelial neutral mucins. This is the preferred method for hepatic biopsy.

Results:

Further to PAS reaction, glycogen removal can be observed by comparing the specimen with an adjacent section of the same specimen that was not treated with diastase

Code



0214105T100

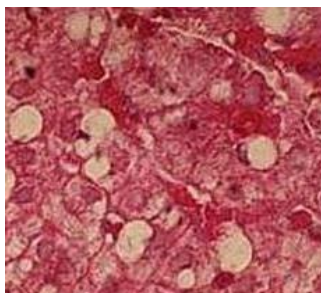
100

15-25°C

2 years

1h

Ehder & Lojda for phospholipids



Phospholipids has been identified in nuclei by optical microscopic histochemical methods but these methods have been rarely applied at the electron microscopic level

Results:

Phospholipids: blue

Nuclei: blue

Code



0214151T100

50

15-25°C

1 years

25'

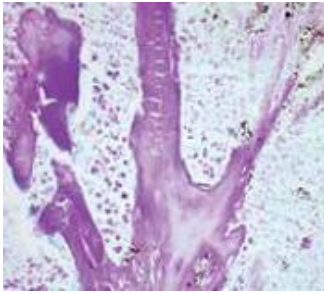
STAINING



SPECIAL STAIN KIT



Feulgen

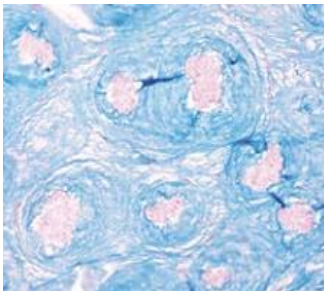


Five-reagent DNA staining kit according to Feulgen. For use in semiquantitative DNA determination in histological and cytological samples.

Results:
DNA: magenta

Code	Σ				
01FE100T	100		4-8°C	1 years	1h-5'

Fouchet-Van Gieson for bilirubin

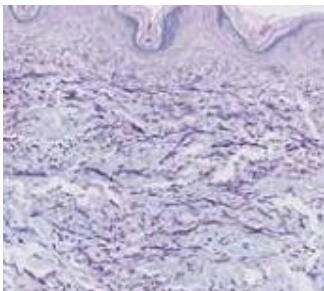


Three-reagent for staining bilirubin in tissue sections.

Results:
Bilirubin: green; Connective tissue: red; Collagen: yellow

Code	Σ				
01FVG100T	100		15-25°C	2 years	35'

Fuchsin Paraldehyde Gomori's

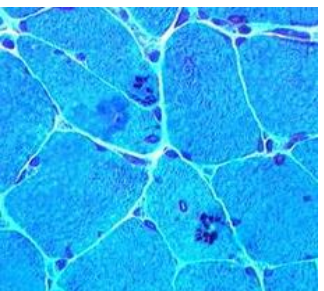


Seven-reagent for staining, in tissue sections, the elastic fibres and secretion granules in alpha and beta cells of the islands of Langerhans in endocrine pancreas.

Results:
Beta cells granules: dark violet
Cells nuclei: dark violet
Background: red
Connective tissue: green

Code	Σ				
01PAF100T	100		15-25°C	2 years	1h-15'

Gomori trichrome



Five-reagent for the analysis of collagen fibers in liver and kidney tissue. Suitable to visualize the ragged red fibers, present in many mitochondrial myopathies.

Results:
Muscle fibers, cytoplasm green blue
Collagen Green or blue
Nuclei red purple

Code	Σ				
01GT100T	100		15-25°C	2 years	30'

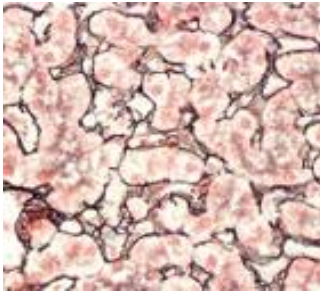
STAINING



SPECIAL STAIN KIT

IVD CE

Gordon-Sweet



Recommended method for staining argyrophilic reticular fibres in the connective tissue.

Results:
Nuclei: red

Code



0214141T100

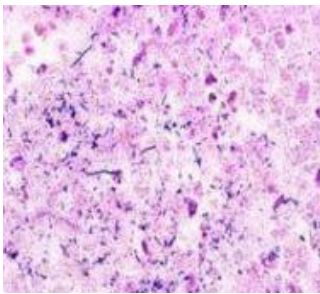
100

15-25°C

2 years

40'

Gram for bacteria



Method for distinguishing Gram-positive and Gram-negative bacteria in histological sections, smears and tissue appositions.

Results:
Gram-positive bacteria blue;
Gram-negative bacteria red
Nuclei red

Code



01BGRH100T

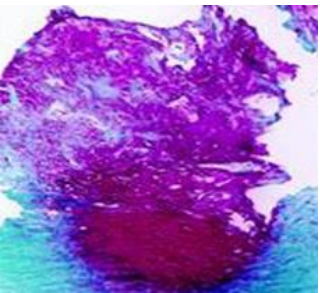
100

15-25°C

2 years

1h-5'

Gram-Weigert's for fibrin



Method for staining fibrin in histological sections, especially suitable for vascular pathology.

Results:
Fibrin: violet
Nuclei red

Code



0214162T100

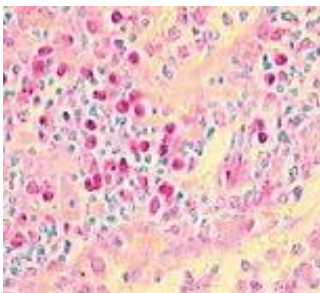
50

15-25°C

2 years

30'

Green methyl pyronin



Method recommended for simultaneously staining DNA and RNA in histological sections. Especially suitable for staining plasma cells and RNA in histological sections and cytological preparations.

Results:
DNA: pale green; RNA: pink to red
Mast cell granules: blue
Background: turquoise

Code



0214130T100

100

15-25°C

1 years

45'

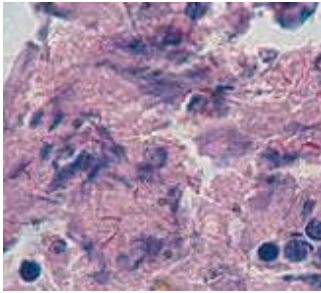
STAINING



SPECIAL STAIN KIT

IVD CE

Gridley for amoeba



The procedure does not stain amoebae differentially but is useful in that it demonstrates the ingested erythrocyte which is stained by the eosin.

Results:

Amoeba: blue-green
nuclei of amoeba: deeper blue-green
ingested erythrocytes: deep rose
connective tissue: green

Code



0214143T100

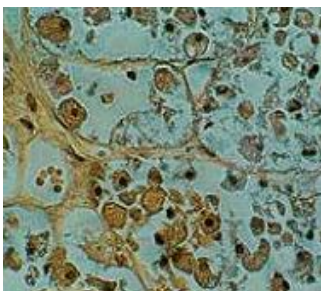
100

15-25°C

1 years

50'

Grimelius for argyrophilic reaction



Five-reagent for staining argyrophilic substances in tissue sections and appositions.

Results:

Argyrophilic granules: from light brown to black

Code



01GRI100T

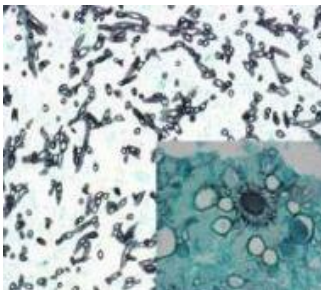
100

4-8°C

1 years

3h-35'

Grocott



Six-reagent used for visualization of fungi and histological argentaffin structures in general (such as basal membranes). Green counterstain provides clear and visually rich contrast to target structures stained black.

Results:

Fungi: sharply delineated in black
Mucines: dark grey
Background: green

Code



01GRC100T

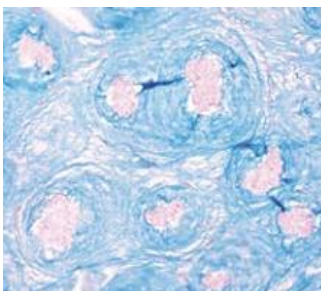
100

4-8°C

1 years

1h-50'

Hyaluronidase



Histology section digestion by hyaluronidase is recommended for removing complex carbohydrates, such as hyaluronic acid and chondroitin sulphate A and B.

Results:

The failure to stain the specimen section through Alcian Blue has to be related to the presence of hyaluronic acid or chondroitin sulphates

Code



0214106T100

100

4-8°C

1 years

1h

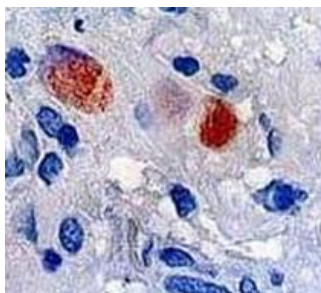
STAINING



SPECIAL STAIN KIT

IVD CE

High iron diammine



High Iron diammine for the staining intestinal metaplasia

Results:
Nuclei: red
Sulphated mucins: black brown
Carboxylated mucins: blue

Code



0214139T100

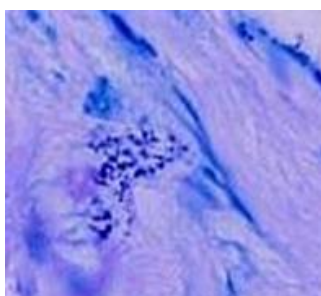
100

15-25°C

2 years

18-24h

Kinyoun modified acid fast red



Cryptosporidium and *Isospora* species have been recognized as causes of severe diarrhea in immunocompromised hosts, but they can also cause diarrhea in the immunocompetent host. Oocysts in clinical specimens may be difficult to detect without special staining. *Cyclospora cayetanensis* has also been reported to be acid fast. Modified acid-fast stains are recommended for demonstrating these organisms.

Results:
The acid fast bacilli are stained dark red to pink

Code



0214142T100

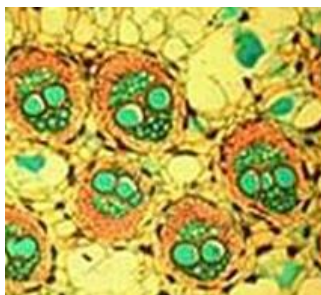
100

4°C

1 years

40'

Kreiberg (Alcian green)



Alcian green stain binds to cartilage, but not decalcified bone.

Results:
Nuclei: blue
Connective tissue: green
Cheratin: red
Mucopolysaccharides: green

Code



0214144T100

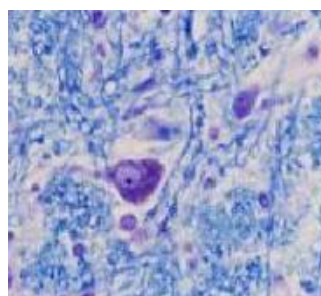
100

15-25°C

2 years

40'

Luxol fast blue Klüber Barerra



Three-reagent for staining myelin and phospholipids in histological sections.

Results:
Myelin: turquoise blue
Neurons and glial nuclei: pink to violet
Nissl substance: pale pink

Code



01LFB100T

100

15-25°C

2 years

20'+
overnight

STAINING



SPECIAL STAIN KIT



Mallory Trichrome



Three-reagent for staining connective tissue in histological sections. It is especially suitable for staining collagen, reticulum, cartilage, bones, amyloid.

Results:

Collagen fibrils: deep blue

Nuclei, myofibrils, neuroglia fibrils, cartilage, bone: red

Erythrocytes, myelin: gold yellow

Elastic fibrils: pale pink, yellow or unstained



01MT100T

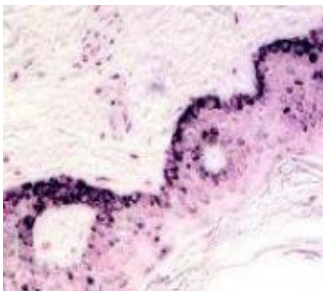
100

4-8°C

1 years

22'

Masson Fontana



Six-reagent for observing the melanotic pigment in histological tissue sections.

Results:

Melanin: black

Nuclei: red



014MF100T

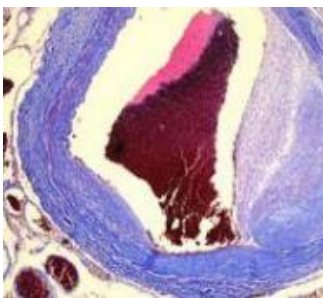
100

4-8°C

1 years

45'+
overnight

Masson Trichrome



Three-reagent for connective tissue, especially suitable for gametes, nuclei, neurofibrils, neuroglia, collagen, keratin, intracellular fibrils and Golgi apparatus negative images.

Results:

Nuclei and gametes: black

Cytoplasm, keratin, muscle fibres, acidophil granules: red

Collagen, mucus, basophil granules of hypophysis: blue

Delta cells granules of hypophysis: blue

Erythrocytes: yellow



01MST100T

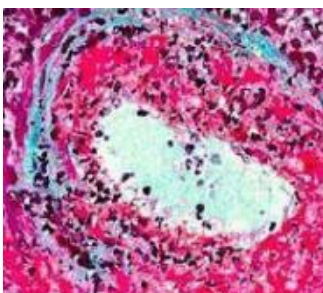
100

15-25°C

2 years

35'

Masson Trichrome Goldner



Seven-reagent for connective tissue, suitable for gametes, nuclei, neurofibrils, neuroglia, collagen, keratin, intracellular fibrils and Golgi apparatus negative image.

Results:

Nuclei and gametes: black

Cytoplasm, keratin, muscle fibres, acidophil granules: red

Collagen, mucus, basophil granules of hypophysis: blue

Delta cells granules of hypophysis: blue

Erythrocytes: yellow



01MGT100T

100

15-25°C

1 years

35'



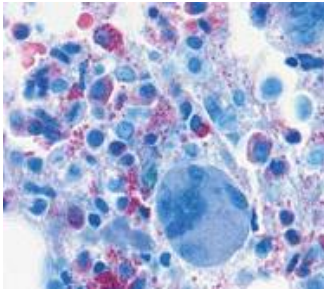
STAINING



SPECIAL STAIN KIT

IVD CE

May Grünwald Giemsa for sections



Method for distinguishing cell types and staining parasites in tissue sections; especially suitable for lymphohematopoietic tissues. This staining method is often used for identifying endothelial reticulum.

Results:

Nuclei: blue

Basophil cytoplasm: from pale blue to dark blue

Acidophil cytoplasm: pink

Bacteria: blue



02141202T100

100

15-25°C

1 years

35'

May Grünwald Giemsa for smears



Main protocol for cell typing and parasite identifying on blood smears.

Results:

Nuclei: Violet

Basophil cytoplasm: from pale Blue to dark Blue

Acidophil cytoplasm: from pale Red to Pink



02141203T100

100

15-25°C

1 years

35'

Malachite green for oocysts and cryptosporidium



Dye used for bacteriological staining method.

Results:

Spore: green

Cell material: red



0214158T100

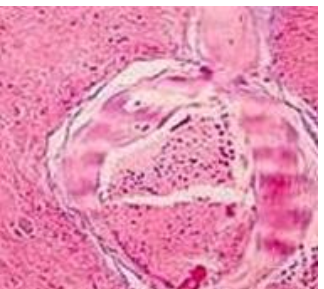
100

15-25°C

2 years

30'

MBS for fibrin stain



This method has become popular as it is less dependent on the skill of the technologist and the extended fixation that is desirable with the Picro-Mallory, and may be done quite adequately on formalin fixed tissues with secondary fixation of sections for an hour at 60°C in either Bouin's fluid or saturated aqueous picric acid.

Results:

Fibrin: yellow; Old fibrin: blue; Collagen: blue

Nuclei: blue black; Muscle: red



0214152T100

100

4°C

1 years

90'

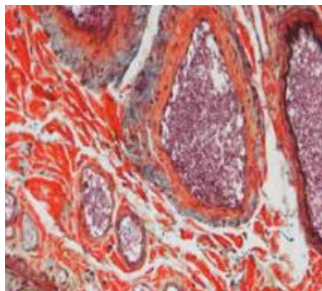
STAINING



SPECIAL STAIN KIT

IVD CE

Movat pentachrome



Ten-reagent kit for staining collagen, elastic and muscle fibers.

Results:
Nuclei and elastic fibers: brown-black
Collagen and reticular fibers: yellow
Mucins: blue
Fibrinoid substance, fibrin: dark red
Muscle: red

Code



01MOV100T

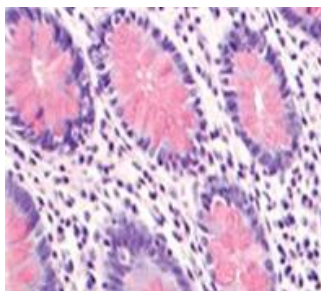
100

15-25°C

1 years

2h

Mucicarmine



Four-reagent for staining epithelial acid mucopolysaccharides (mucins) in histological sections. The use of Mucicarmine has a low level of specificity: indeed, generally mucins from fibroblasts are stained poorly.

Results:
Mucins: deep pink to red
Nuclei: blue-violet
Other components: orange

Code



01MUC100T

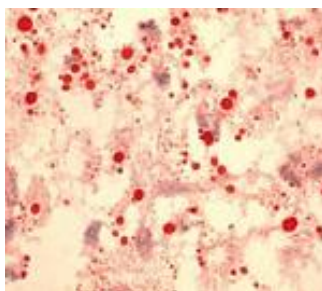
100

15-25°C

1 years

50'

Oil red O



Four-reagent for staining lipids on cryostat tissue sections. Fixation: we recommend using saline formalin or Baker's fixative to prevent phospholipid dissolution.

Results:
Lipids: red
Nuclei: blue

Code



01ORO100T

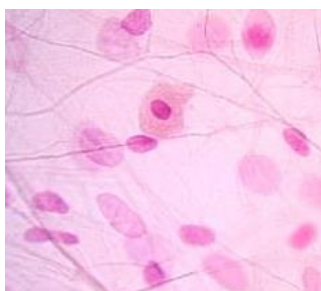
100

15-25°C

1 years

25'

Orcein for elastic fibers



Five-reagent for visualization of hepatitis B surface antigen (HBsAg) seen as viral inclusion bodies in hepatocytes, for elastic fibers and copper associated protein in tissue sections. It can be used with frozen sections.

Results:
Elastic fibers: brown-purplish red
Background: almost colorless

Code



01ORC100T

100

15-25°C

1 years

30'

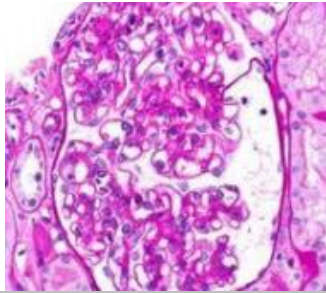
STAINING



SPECIAL STAIN KIT



P.A.S. Hotchkiss - Mc Manus

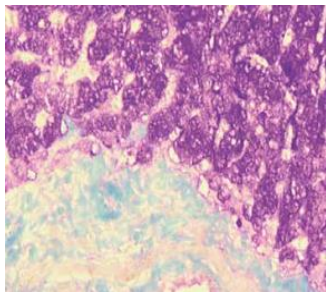


Five-reagent Periodic Acid-Schiff kit for staining aldehydes, mucopolysaccharides and mucoproteins according to Hotchkiss-McManus.

Results:
Positive P.A.S. substances magenta red
Nuclei blue

Code				
01PAS5100T	100	4-8°C	1 years	50'

P.A.S. Morel - Maronger

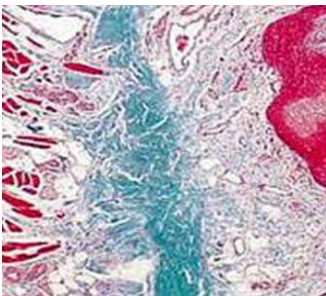


Method suitable for observing simultaneously neutral mucopolysaccharides and connective tissue in tissue sections.

Results:
P.A.S. positive substances: magenta red
Connective tissue: blue green
Muscle, horny layer of the skin, neuroglia fibers and erythrocytes: yellow-green

Code				
0214123T100	100	4-8°C	1 years	45'

Perls - Van Gieson



Method suitable for observing simultaneously reactive ferric iron, collagen and connective tissue in tissue sections.

Results:
Reactive ferric iron: blue
Collagen: purple red
Cytoplasm, muscle, horny layer of the skin, neuroglia and erythrocytes: yellow

Code				
0214124T100	100	15-25°C	1 years	35'



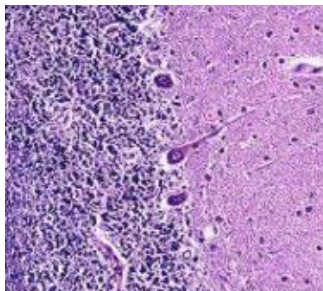
STAINING



SPECIAL STAIN KIT

IVD CE

P.T.A.H.



Four-reagent for distinguishing smooth and striated muscle tissues (staining the isotropic bands of skeletal muscle myofibrils). It is also used for fibrin.

Results:

Nuclei, fibrins (for a great part) myofibrils, astrocytes, some elastic fibers, neuroglia, myelin fibers: blue

Collagen, bone matrix, cartilage rick: red in various tonalities.

Code



01HPTA100

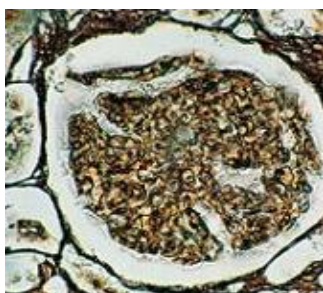
100

15-25°C

1 years

13+
overnight'

Silver impregnation



Recommended method for staining argyrophilic reticular fibres in the connective tissue.

Results:

Reticular and nervous fibers: black

Connective tissue: tobacco brown

Collagen: gold yellow

Code



0214114T100

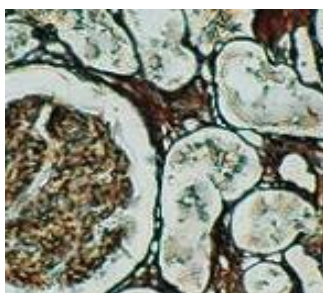
100

4-8°C

1 years

35'

Silver methenamine P.A.S.M



Six-reagent for staining mucopolysaccharidic and argyrophilic elements (basal membranes, mycetes, bacteria, etc.) in tissue sections. Preferred method for studying basal membranes in kidney biopsy.

Results:

Basement membranes, glycogen, mycetes and bacterial capsule: black

Code



01PASM100T

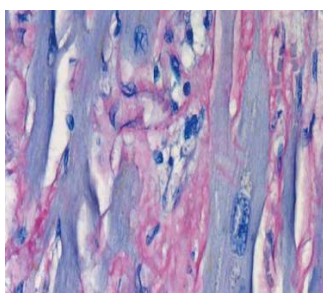
100

4-8°C

1 years

1h-45'

Sirius Red for collagen



Method suitable for staining collagen fibers and bile pigments in tissue sections.

Results:

Collagen fibers: red

Bilirubin: green

Nuclei: blue

Code



0214145T100

100

15-25°C

1 years

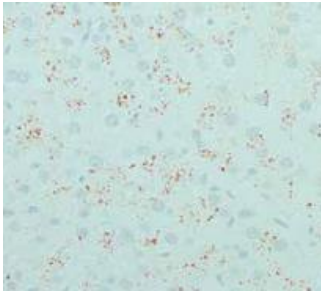
60'

STAINING

SPECIAL STAIN KIT



Rhodanine



Four-reagent kit for detecting copper in patients suffering from Wilson's disease.

Results:
Copper: Brown-Red
Nuclei: Blue-Violet

Code



01ROD100T

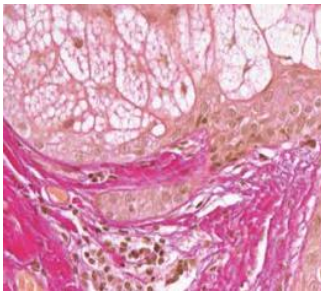
100

15-25°C

1 years

20h

Van Gieson trichrome



Three-reagent for connective tissue, especially recommended for staining collagen fibers distinguishing them from the connective tissue.

Results:
Nuclei: black
Collagen fibers: purplish red
Cytoplasm, smooth and striated muscle, cornified epithelium, neuroglia and erythrocytes: yellow

Code



01VG100T

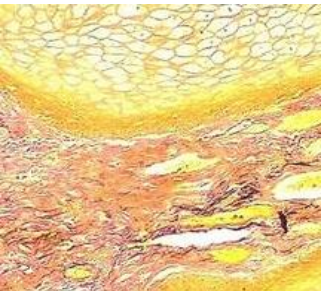
100

15-25°C

1 years

35'

Verhoeff



Six-reagent for staining elastic fibers in sections. Especially recommended for vascular pathology.

Results:
Elastic fibers and nuclei: black
Collagen: red
Other tissue elements: yellow

Code



01VER100T

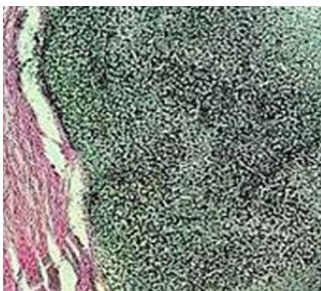
100

15-25°C

2 years

60'

Von Kossa



Five-reagent for staining calcium ions in histological sections.

Results:
Sites calcium deposits: black
Nuclei: red

Code



01VK100T

100

4-8°C

1 years

1h-25'

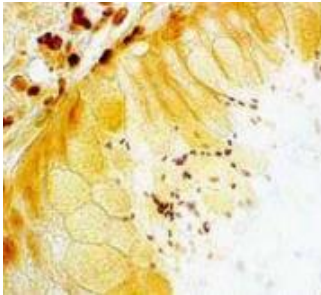
STAINING



SPECIAL STAIN KIT

IVD CE

Warthin-Starry



Five-reagent kit for staining Spirochaeta and Helicobacter pylori. The kit contains 12 jars with gelatin that enables both incubation and staining of sections, as well as other reagents that enable precipitation of silver on the bacterial surface.

Results:

Spirochetes and other microorganisms: black

Background: golden brown

Code



01WS12T

~48 (*)

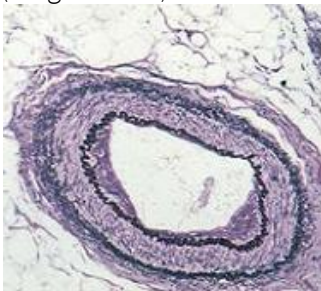
15-25°C

1 years

35'

(*) contact us for larger packaging

Weigert elastic fibers (long method)



Method for staining elastic fibers in histological sections

Results:

Elastic fibers: from dark blue to black

Code



0214133T100

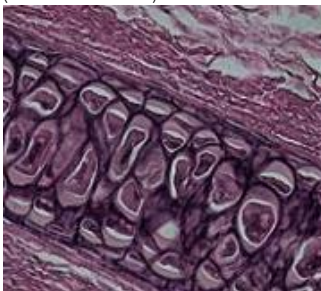
100

15-25°C

1 years

25'+
overnight

Weigert elastic fibers (fast method)



Method for staining elastic fibers in histological sections, especially suitable for vascular pathology.

Results:

Elastic fibers: purplish red-brown

Nuclei: red

Code



0214134T100

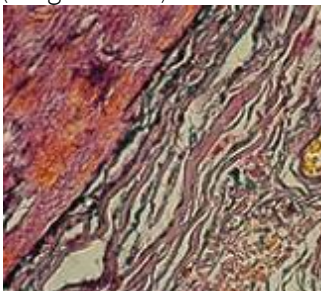
100

15-25°C

2 years

60'

Weigert Van Gieson (long method)



Six-reagent for simultaneously staining elastic fibers, connective tissue, collagen and nuclei. Recommended for vascular pathology.

Results:

Spirochetes and other microorganisms: black

Background: golden brown

Code



01WVG100T

100

15-25°C

1 years

25'+
overnight

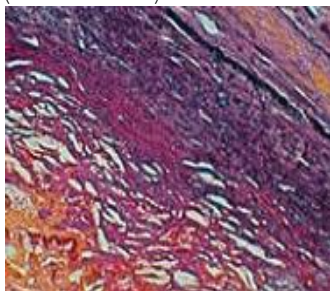
STAINING



SPECIAL STAIN KIT

IVD CE

Weigert Van Gieson (fast method)



Four-reagent kit for staining elastic fibers and differentiation between elastic tissues, collagens and other types of connective tissues. The rapid method enables a satisfactory result with shorter section staining time.

Results:

Elastic fibers: from purplish red to brown

Nuclei: black

Collagen: various shades of red

Connective tissue, erythrocytes: yellow

Code



01VWGB100T

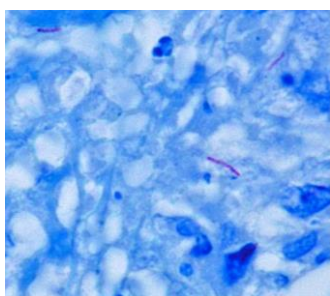
100

15-25°C

2 years

60'

Ziehl - Neelsen



For staining pathogenic mycobacteria, especially for Koch's bacillus, in histology sections, sputum smears, cultures and appositions.

Results:

Koch's bacillus and other acid resistant elements: red

Nuclei: blue

Code



01TBHK100T

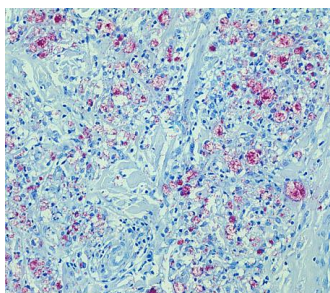
100

15-25°C

2 years

50'

Ziehl - Neelsen Fite



For staining pathogenic mycobacteria, especially for Koch's bacillus, in histology sections, sputum smears, cultures and appositions.

Results:

Koch's bacillus and other acid resistant elements: red

Nuclei: blue

Code



0214138T100

100

15-25°C

1 years

45'

Legend:

Code

Catalog number



Test number



Storage temperature



Stability of product



Procedure time

STAINING



CYTOLOGY FIXATIVE

IVD CE

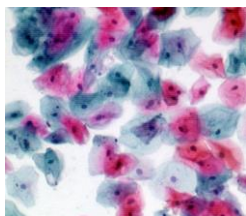


Spray fixative for PAP test, inials for vaporized included, without propellent gas.
It make at wax film on the smears sample to evoid loss of material and adulterated formation.

Product	Size	Packaging	Code
Cyto Spray Spray fixative for cytology, without propellent gas	Bottle	12x250 ml	R0150
Saccomanno fixative Fixative and preservative for liquid cytological sample	Bottle	6x500 ml	0222114
Carnoy Fixative Suitable for the fixation of glycogen, nucleic acids and small biopsies	Bottle	6x250 ml	0215104
Duboscq - Brasil Fixative Suitable for renal biopsies	Bottle	6x250 ml	0215106

PAPANICOLAOU STAINS

IVD CE



Nuclear stains for standard Cytology staining
Optimal quality, high reproducibility; all solutions are stable and guarantee excellent cell details.

Legend:
■ Cytology use

Product	Size	Packaging	Code
Hematoxylin Harris Pap 1A ■ Modified Harris hematoxylin solution for nuclear staining according to Papanicolaou. Strong intensity reagent for progressive and regressive staining in exfoliative cytology.	Bottle	500 ml	01HEMHP500
		1 lt	01HEMHP1000
		2,5 lt	01HEMHP2500
Hematoxylin Harris Pap 1B ■ Hematoxylin modified according to Harris for intensive nuclear staining according to Papanicolaou. Reagent for progressive and regressive staining in exfoliative cytology, with formulation stronger than Hematoxylin HP, Pap 1A.	Bottle	500 ml	01HEMHP1B500
		1 lt	01HEMHP1B1000
		2,5 lt	01HEMHP1B2500
OG-6 reagent, Pap 2A ■ Monochromatic reagent for counterstaining mature and keratinized squamous cell. Contains Orange G dye that stains the cytoplasm orange.	Bottle	500 ml	01OG6500
		1 lt	01OG61000
		2,5 lt	01OG62500
Orange II reagent, Pap 2B ■ Hematoxylin modified according to Harris for intensive nuclear staining according to Papanicolaou. Reagent for progressive and regressive staining in exfoliative cytology, with formulation stronger than Hematoxylin HP, Pap 1A.	Bottle	500 ml	01OR2500
		1 lt	01OR21000
		2,5 lt	01OR22500
EA 31 reagent, Pap 3A ■ Polychromatic reagent for staining and differentiation of squamous cells. Counterstain for gynecology samples in cytology, contains the largest amount of green dye compared to other EA reagents. Stains the cytoplasm blue-green and pink, with emphasis on green and pink color.	Bottle	500 ml	01EA31500
		1 lt	01EA311000
		2,5 lt	01EA312500
EA 50 reagent, Pap 3B ■ Polychromatic reagent for staining and differentiation of squamous cells. Counterstain for gynecology samples in cytology, stains the cytoplasm blue-green and pink, with emphasis on blue and pink color.	Bottle	500 ml	01EA50500
		1 lt	01EA501000
		2,5 lt	01EA502500
EA 65 reagent, Pap 3C ■ Polychromatic reagent for staining and differentiation of squamous cells. Counterstain for non-gynecology samples in cytology, stains the cytoplasm red.	Bottle	500 ml	01EA65C500
		1 lt	01EA65C1000
		2,5 lt	01EA65C2500
EA 65 reagent, Pap 3D ■ Polychromatic reagent for staining and differentiation of squamous cells. Counterstain for non-gynecology	Bottle	500 ml	01EA65D500
		1 lt	01EA65D1000
		2,5 lt	01EA65D2500



STAINING



MAY-GRUNWALD GIEMSA SOLUTION

IVD CE



One of the most commonly used methods (Pappenheim) is May-Grunwald Giemsa (MGG) for staining hematology and cytology materials, as well as cytology smears of hematopoietic organs. Giemsa solution is also used for staining histology sections.

Product	Size	Packaging	Code
May-Grunwald solution ■ Polychromatic solution of Eosin Y, Methylene Blue and azure dyes. For staining in hematology, cytology and staining sections of hematopoietic organs in histopathology.	Bottle	100 ml	01MG100
		10 x 100 ml	01MG110
		500 ml	01MG500
		1 lt	01MG1000
		2,5 lt	01MG2500
Giemsa solution ■ Polychromatic solution of Eosin Y, Methylene Blue and azure dyes. For use in hematology, cytology, histology and for staining section samples of hematopoietic organs.	Bottle	100 ml	01GM100
		10 x 100 ml	01GM110
		500 ml	01GM500
		1 lt	01GM1000
		2,5 lt	01GM2500

CYTOLOGY STAINS SOLUTIONS

IVD CE

Product	Size	Packaging	Code
Lugol solution for colposcopy Chelating solution for mercury	Bottle	6x500 ml	0209251
Shorr solution Enables clear differentiation of eosinophilic and cyanophilic cells of cervical epithelium. It is also used for a better visualization of sperm morphology	Bottle	100 ml	01SH100
		500 ml	01SH500
		1 lt	01SH1000
		2,5 lt	01SH2500
Sudan III saturated solution For lipids stain	Bottle	6x250 ml	0209297
Sudan Black B solution Solution for staining lipids, used with Sudan Black B lipid kit	Bottle	100 ml	01SBO100
Sudan Black B reagent Staining reagent for use in hematology, used with Sudan Black B kit	Bottle	100 ml	01SBB100
Tuerk's solution Solution for manual counting of leukocytes.	Bottle	100 ml	01TU100
		500 ml	01TU500
		1 lt	01TU1000



STAINING

CYTOLOGY KIT



Rapid diagnostic kits that provide precise staining results in short period of time, such as result provided with May-Gruenwald Giemsa staining method.

Each component of Histo-Diff kits is stabilized and prepared according to the highest standards.



Product	Size	Packaging	Code
Histo-Diff kit (fast M.G.G.) Quick method for the differential staining of blood formed elements, to be used also for staining other air-dried cell smears.	Kit	3x100 ml	01BD100
Refill fixative for fast color Kit	Bottle	3x500 ml	01BD500
Refill red fixative for fast color Kit	Bottle	3x1000 ml	01BD1000
Refill blue fixative for fast color Kit	Bottle	3x2500 ml	01BD2500

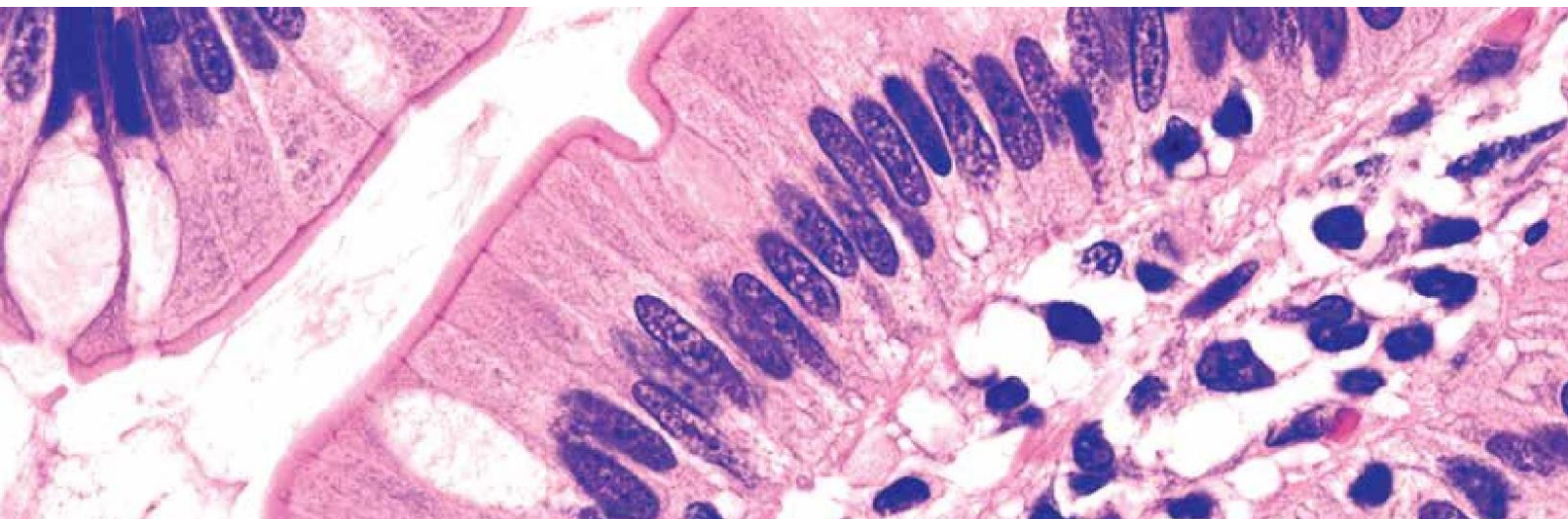
Separated reagents

For rapid staining of blood smears Histo-Diff Kit enables only 3 -minute staining procedure.

Histo-Diff Kit is an optimised colour and fixative composition of staining reagents for the differential staining of cellular elements in peripheral blood smears.

They are available in convenient and economic package sizes or in bulk quantities.

Product	Size	Packaging	Code
Histo-Diff 1 reagent Fixative agent, component of Histo-Diff kit.	Bottle	100 ml	01BD1100
		500 ml	01BD1500
		1 lt	01BD11000
		2,5 lt	01BD12500
Histo-Diff 2 reagent Red component of Histo-Diff kit.	Bottle	100 ml	01BD2100
		500 ml	01BD2500
		1 lt	01BD21000
		2,5 lt	01BD22500
Histo-Diff 3 reagent Blue component of Histo-Diff kit.	Bottle	100 ml	01BD3100
		500 ml	01BD3500
		1 lt	01BD31000
		2,5 lt	01BD32500



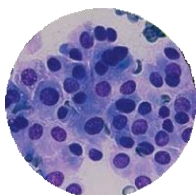
STAINING



CYTOLOGY SPECIAL STAIN KIT

IVD CE

Histo Diff Kit



Ready-to-Use three-reagent kit with reagents stored in containers that can be used as staining jars. Kit contains fixative reagent, red and blue components for fast and effective staining and buffer tablet for consistent staining results.

Format: 100 test
Code: 01BDRTU100T

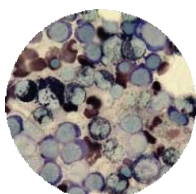
Eosin and nigrosin vital kit



Two-reagent kit containing separate dyes for rapid detection of sperm vitality and simple visualization of dead and living sperm cells.

Format: 2x30 ml Format: 2x100 ml
Code: 01ENVK30 Code: 01ENVK100

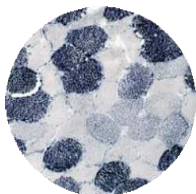
Sudan Black B kit



Four-reagent kit for staining neutrophil granules in hematological smears. It is used as one of the methods for detecting myelocytic and myelomonocytic leukemia.

Format: 100 test
Code: 01SP100T

Sudan Black B lipid kit



Four-reagent kit for specific lipid staining in cytochemistry. Sudan Black dye stains a few types of lipids, including neutral fats, phospholipids and sterols. Contains double amount of Sudan Black B, solution.

Format: 100 test
Code: 01SBB100T



STAINING



Want more information?

If you need instruments for automatic slide staining refer to the catalog Histo-Line Instruments.
You can find the complete list of the Histo-Cyto linear stainer and special accessories that can help you.



Want to see all the available instruments? Look it in the instruments catalog or on the website

**Histo-Line
Laboratories**
Innovative life science solutions



Anatomy Pathology Catalog
Histology Equipment

made in Italy

English



Histology Process





- Modular storage system for paraffin block
- Modular storage system for slides
- Archives high capacity for blocks
- Archives high capacity for slides

STORAGE



MODULAR STORAGE SYSTEM FOR PARAFFIN BLOCK



Modular stackable to store paraffin embedded samples.
 The modules are made of metal and drawers are available in metal or ABS plastic deformable for maximum protection of the samples
 Minimum encumbrance but great protection
 The drawers can be completely pulled out for better maneuverability
 Capacity: about 850 biocassette standard
 Dimension: 490X490X72 mm (WDXH)

Product	Size	Packaging	Code
Filing cabinet metal ivory Stackable Filing cabinet in metal with 14 drawers ivory color	Module	1 pc	R4192
Filing cabinet ABS ivory Stackable Filing cabinet ABS plastic with 14 drawers ivory color	Module	1 pc	R4192-ABS
Filing cabinet ABS blue Stackable Filing cabinet ABS plastic with 14 drawers blue color	Module	1 pc	R4192A-ABS
Filing cabinet ABS green Stackable Filing cabinet ABS plastic with 14 drawers green color	Module	1 pc	R4192G-ABS
Filing cabinet ABS havana Stackable Filing cabinet ABS plastic with 14 drawers havana color	Module	1 pc	R4192H-ABS
Filing cabinet ABS pink Stackable Filing cabinet ABS plastic with 14 drawers pink color	Module	1 pc	R4192R-ABS
Filing cabinet ABS yellow Stackable Filing cabinet ABS plastic with 14 drawers yellow color	Module	1 pc	R4192Y-ABS
Filing cabinet for Macro Cassettes Stackable Filing cabinet in metal with 7 drawers ivory color	Module	1 pc	R4192/MACRO
Top cover For all Filing cabinet in metal ivory color	Module	1 pc	R0548
Base stand For all Filing cabinet in metal ivory color	Module	1 pc	R0549



STORAGE



MODULAR STORAGE SYSTEM FOR SLIDES



Modular stackable to store slide. The modules are made of metal and drawers are available in metal or ABS plastic deformable for maximum protection of the slide.

Minimum encumbrance but great protection

The drawers can be completely pulled out for better maneuverability

Capacity: about 2500 slides

Dimension: 490X490X140 mm (WDXH)

Product	Size	Packaging	Code
Filing cabinet metal ivory Stackable Filing cabinet in metal with 14 drawers ivory color	Module	1 pc	R0540
Filing cabinet ABS ivory Stackable Filing cabinet ABS plastic with 14 drawers ivory color	Module	1 pc	R0540-ABS
Filing cabinet ABS blue Stackable Filing cabinet ABS plastic with 14 drawers blue color	Module	1 pc	R0540A-ABS
Filing cabinet ABS green Stackable Filing cabinet ABS plastic with 14 drawers green color	Module	1 pc	R0540G-ABS
Filing cabinet ABS havana Stackable Filing cabinet ABS plastic with 14 drawers havana color	Module	1 pc	R0540H-ABS
Filing cabinet ABS pink Stackable Filing cabinet ABS plastic with 14 drawers pink color	Module	1 pc	R0540R-ABS
Filing cabinet ABS yellow Stackable Filing cabinet ABS plastic with 14 drawers yellow color	Module	1 pc	R0540Y-ABS
Top cover For all Filing cabinet in metal ivory color	Module	1 pc	R0548
Base stand For all Filing cabinet in metal ivory color	Module	1 pc	R0549
Spiral/spring spacer	Box	1 pc	R0541





ARCHIVES HIGH CAPACITY FOR BLOCKS



Storage cabinet for paraffin blocks, static or with wheels and anti-lock and key for maximum security of samples. It equipped with special edge for preventing falls, preventing trays blocks slip and fall on the go shifts.

Product	Size	Packaging	Code
Mobile storage cabinet Units mobile archive coated metal 11 floors complete with 286 colored fronts and drawers in ABS (color on request) that allow you to store about 32000 blocks of inclusion. Dimensions (H180 x W100 x D50 cm)	1 Module	1 pc	MD-5415-00
Static storage cabinet Units static archive coated metal 11 floors complete with 286 colored fronts and drawers in ABS (color on request) that allow you to store about 32000 blocks of inclusion. Dimensions (H170 x W100 x D50 cm)	1 Module	1 pc	MD-6600-18
Static storage cabinet (half capacity) Unit archive modular metal coated 5-story full of 130 drawers in ABS and colored fronts (color on request) that allow you to store about 11200 boxes of inclusion. Dimensions (H80 x W100 x D50 cm)	1 Module	1 pc	MD-6600-08
Structure with plans dishes without drawer Archive modular units coated metal 5 floors, each capable of Holding 8 filing cabinet MedBox. Total capacity of 14,560 boxes of inclusion (8 x 5 x 364). Dimensions (H80 x W100 x D50 cm)	1 Module	1 pc	MD-6700-05
Structure with plans dishes without drawer Archive modular units coated metal 11 floors, each capable of Holding 8 filing cabinet MedBox. Total capacity of 32,000 boxes of inclusion (11 x 5 x 364). Dimensions (H170 x W100 x D50 cm)	1 Module	1 pc	MD-6700-11
Med Box Filing cabinet cardboard with lid and 7 internal dividers to store 364 cassettes of inclusion. Dimensions (L22 x H47 x D48 cm)	1 Module	1 pc	MD-5220-00

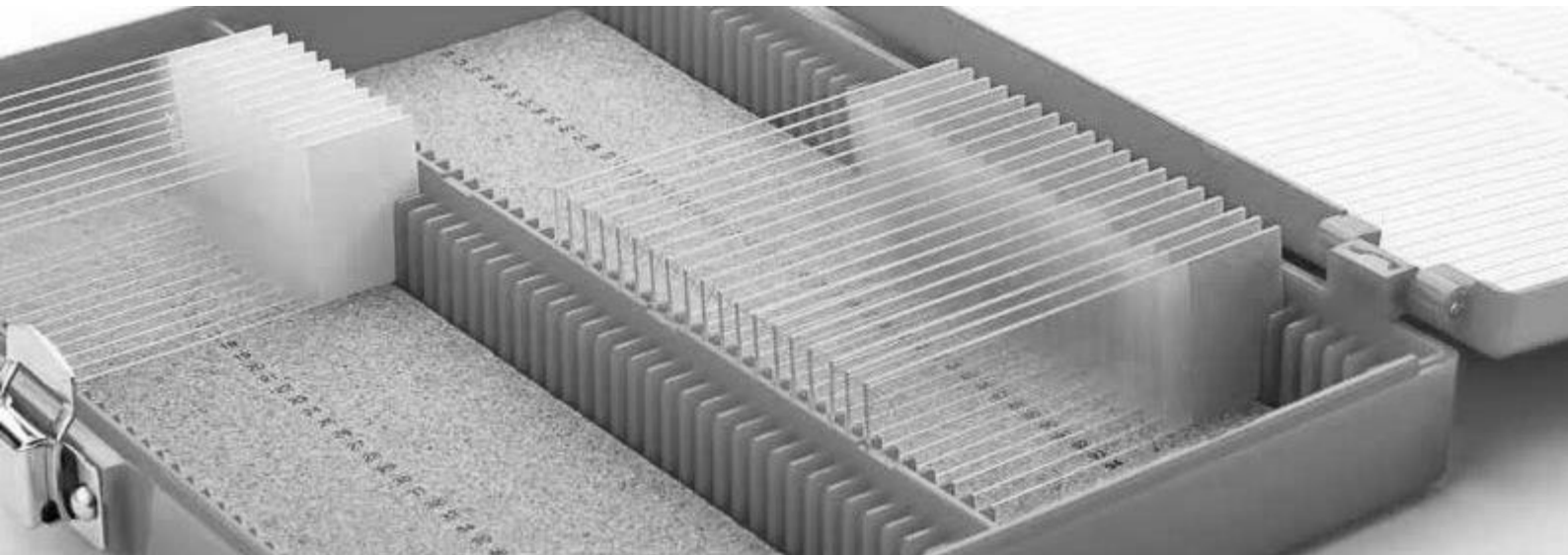


ARCHIVES HIGH CAPACITY FOR SLIDES



Storage cabinet for slides, static or with wheels and anti-lock and key for maximum security of samples It equipped with special edge for preventing falls, preventing trays of slides slip and fall on the go shifts.

Product	Size	Packaging	Code
Mobile storage cabinet			
Units mobile archive coated metal 11 floors complete with 286 colored fronts and drawers in ABS (color on request) that allow you to store approximately 121,000 slides. Dimensions (H180 x W100 x D50 cm)	1 Module	1 pc	MD-5401-11
Static storage cabinet			
Units static archive coated metal 11 floors complete with 286 colored fronts and drawers in ABS (color on request) that allow you to store approximately 121,000 slides. Dimensions (H170 x W100 x D50 cm)	1 Module	1 pc	MD-6501-11
Static storage cabinet (half capacity)			
Units mobile archive coated metal 5 floors of 130 drawers in ABS and colored fronts (color on request) that allow you to store approximately 55,000 slides. Dimensions (H80 x W100 x D50 cm)	1 Module	1 pc	MD-6501-05



Histology Process





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