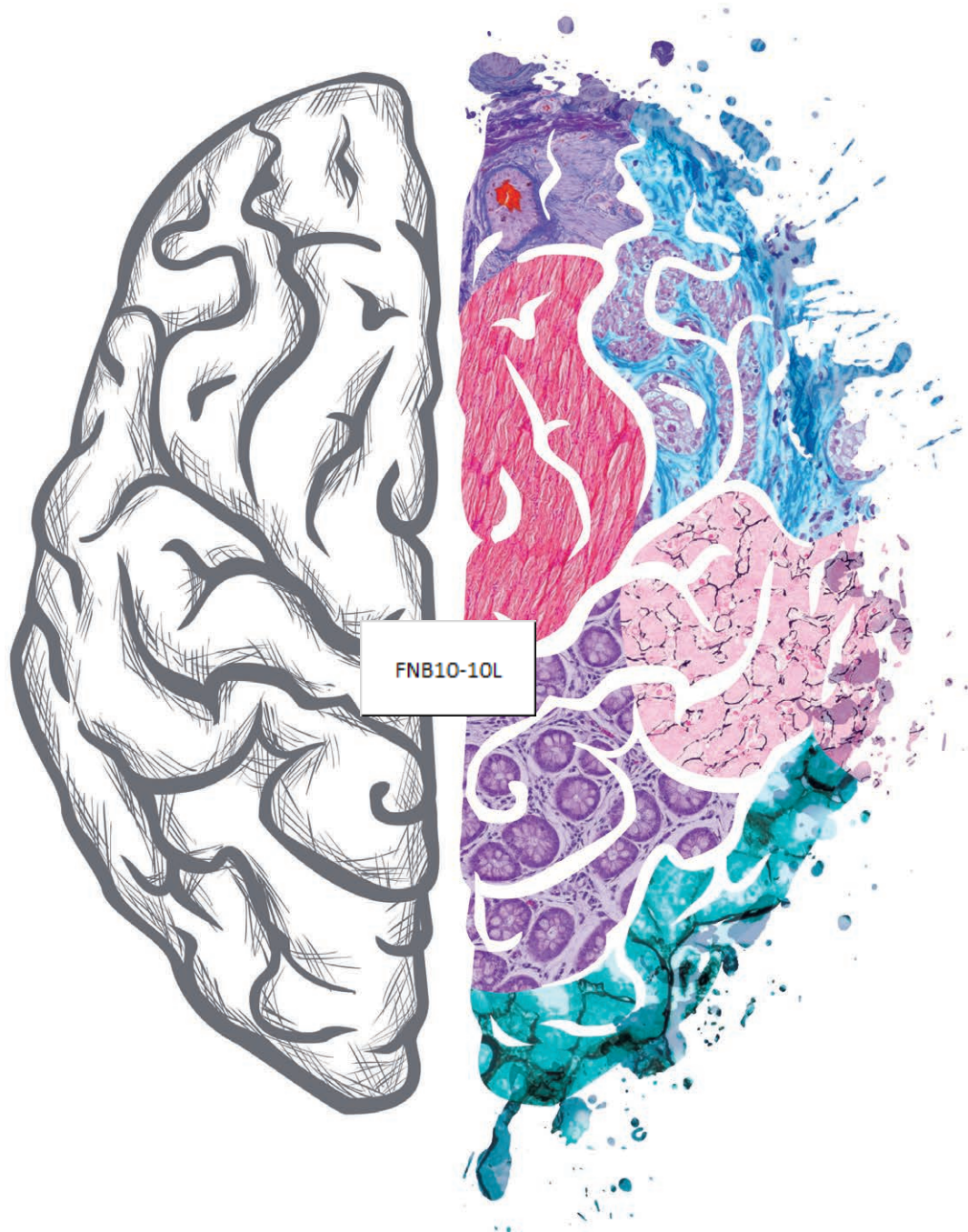


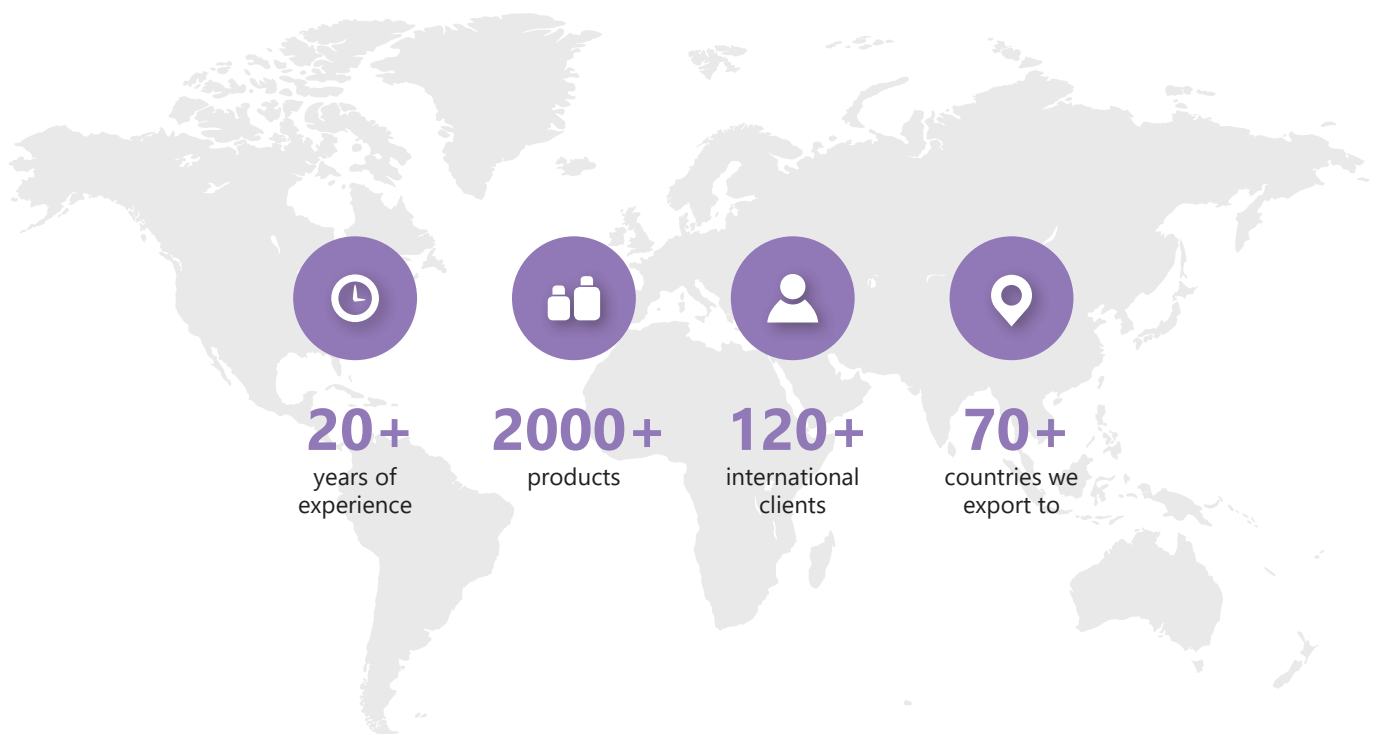


MICROSCOPY AND
LABORATORY DIAGNOSTICS

Our global presence

“ We manufacture products for use in histopathology, hematology, cytology, and microbiology with a wide national and international distribution network present in over 70 countries.

BioGnost offers only the best quality products at competitive prices and has one of the widest ranges of medical products in South-Eastern Europe. Our experience and flexibility towards the client makes us a sought-after business partner, which has been recognized on the global market.



Our entrepreneurship started in 1990 with the founding of the family company. Accelerated business growth began in 1998 with production of blood typing serums followed by the Croatian Ministry of Health granting BioGnost the License for the manufacture of medical products. We are proud of one of our biggest successes - relocating to our new commercial and manufacturing building in 2012. The site enabled an enhanced work environment, including a carefully devised warehouse structure, segmented production facilities with increased manufacturing capacity, and additional R&D capabilities.

“ We continue to build on the strong momentum from last year to create high-quality products and provide excellent customer service.

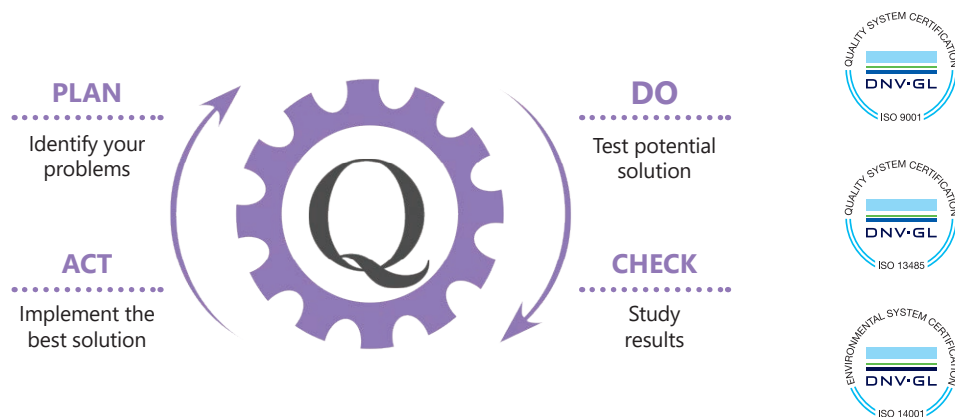
Strategic priorities

Our mission is to create high-quality products and provide excellent services, as well as introduce new or expanded product lines and sales ranges in accordance with market dynamics and demands.

Product and service excellence makes BioGnost a desirable regional and international business partner. The key to success is the ever-expanding network of business partnerships, as well as recognizable social responsibility. In the coming years we plan to further our market expansion, additionally invest in research and development, and to become a competitive manufacturer in the fields of microbiological diagnostics and histopathology.

ISO 9001, ISO 13485, ISO 14001

BioGnost's entire business is in accordance with international ISO 9001, ISO 13485 and ISO 14001 standards. The company implemented ISO standards more than 15 years ago, and is the first Croatian company to implement the ISO 13485 quality system for medical devices. Having fulfilled the requirements of these standards, the company is completely in accordance with national legal regulation and the European Union's Medical Device Regulation (EU 2017/745).



CE, IVDR

BioGnost's products bear the CE mark, a certificate that confirms that the products are in accordance with the European Union's standards. They are declared as *in vitro* diagnostic medical devices (IVD) classified as "Class A" products (according to the Regulation (EU) 2017/746). No control of a Notified Body is required for this class; entire company business is in accordance with applicable regulations and standards.

OEM manufacture

Besides products from our own sales range, we also offer OEM manufacture for your company. It includes a wide range of services, such as label design, product packaging, instructions for use and certificates of analysis, and products manufactured according to your specifications.

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Legend:

● DG cargo in transport ○ DG cargo only in air transport ● temperature controlled cargo (transport regime 2-8°C)

Marking systems consist of dyes for permanent tissue marking and markers used for marking glass slides, cassettes and transport containers. Tissue marking dyes are used for marking and orientation of tissue samples intended for further histopathology processing.



Tissue marking dyes, 5 color set

TMD Tissue marking dyes set 5x50 mL contains 5 dyes for tissue marking: green, yellow, black, red and blue. The set includes wooden sticks and rack.

5x50 mL 3408-SET

Tissue marking dyes, 7 color set

TMD Tissue marking dyes set 7x50 mL contains 7 dyes for tissue marking: green, yellow, black, red, blue, orange and lilac. The set includes wooden sticks and rack.

3408-SET-7

Tissue marking dyes

For marking and orientation of tissue samples.

Tissue marking dye, green	50 mL	3408-1-50
	100 mL	3408-1-100
	250 mL	3408-1-250
Tissue marking dye, yellow	50 mL	3408-2-50
	100 mL	3408-2-100
	250 mL	3408-2-250
Tissue marking dye, black	50 mL	3408-3-50
	100 mL	3408-3-100
	250 mL	3408-3-250
Tissue marking dye, red	50 mL	3408-4-50
	100 mL	3408-4-100
	250 mL	3408-4-250
Tissue marking dye, blue	50 mL	3408-5-50
	100 mL	3408-5-100
	250 mL	3408-5-250
Tissue marking dye, orange	50 mL	3408-6-50
	100 mL	3408-6-100
	250 mL	3408-6-250
Tissue marking dye, lilac	50 mL	3408-7-50
	100 mL	3408-7-100
	250 mL	3408-7-250

Liquid Blocker (PAP pen)

Liquid Blocker contains hydrophobic liquid as a water repellent barrier around specimens or sections. Useful in immunohistochemistry that uses small amounts of antiserum. Multiple specimens can be separated by drawn circles or lines applied to the same slide.

1 pc ML-1

Duoline marker pen

Professional marker pen
Professional marker pen for permanent labelling of cassettes, slides and transport containers. With fine and thick marker pen tip.

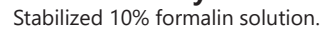
1 pc MD-1



Fixation is one of the most important steps in tissue processing, preventing tissue degradation and decomposition. Preserving tissue properties is important for detection of morphological and pathological changes in tissue samples.

10% neutral buffered and stabilized formalin solution, pH 7.0.

1000 mL	FNB4-1L
5000 mL	FNB4-5L
10000 mL	FNB4-10L
20000 mL	FNB4-20L



1000 mL	F4-1L
5000 mL	F4-5L
10000 mL	F4-10L
20000 mL	F4-20L



Bouin's solution

○

CitoFix

●

CitoSpray

●

CitoSpray solution

●

Saccomanno's fixative

●



Decalcifying solutions

Decalcifiers most often contain inorganic or organic acids enabling rapid decalcification (i.e. calcium removal). Milder types of decalcifiers are formulated from chelating agents that are used for decalcification of more sensitive types of tissue.

OsteoFast 1

Light blue fixative and decalcifying solution for bone and hard tissue in histology, based on formaldehyde and hydrochloric acid.

1000 mL OF1-OT-1L
2500 mL OF1-OT-2.5L



OsteoFast 2

Light yellow decalcifying solution for bone and hard tissue in histology, based on formic acid.

1000 mL OF2-OT-1L
2500 mL OF2-OT-2.5L



OsteoSens

Decalcifying solution for sensitive calcified tissues in histology, contains EDTA.

1000 mL OS-OT-1L
2500 mL OS-OT-2.5L



CryoFix Gel

Embedding matrix for cryosectioning of tissue samples known as OCT medium (optimal cutting temperature). Efficient at temperatures of -10°C and below. Available in 5 different colors.

CryoFix Gel	100 mL	CF-100
CryoFix Gel pink	100 mL	CFR-100
CryoFix Gel blue	100 mL	CFP-100
CryoFix Gel green	100 mL	CFZ-100
CryoFix Gel yellow	100 mL	CFY-100



Cryo Spray

Medium in spray bottle for freezing histological samples.

200 mL 08-SPRAY-2



DeMold Spray

Solution in spray bottle for easy removal of paraffin tissue blocks from the mold.

100 mL DS-100



DeMold solution

Solution for refilling DeMold Spray bottle.

500 mL DS-500
1000 mL DS-1L



Tissue Soft

Solution for softening the tissue embedded in paraffin block before microtome sectioning.

500 mL TS-500
1000 mL TS-1L



BioGnost's synthetic BioMount media properties

PRODUCT NAME	SOLVENT	POLYMER	VISCOSITY @ 20°C (cSt, mPa)	REFRACTIVE INDEX @ 20°C (n _D)	USAGE IN AUTOMATED COVER SLIP MACHINES
BIOMOUNT DPX	xylene (BioClear)	S	850-950	1.5210-1.5230	-
BIOMOUNT DPX HIGH	xylene (BioClear)	S	1900-2100	1.5235-1.5255	-
BIOMOUNT DPX LOW	xylene (BioClear)	S	140-160	1.5115-1.5135	✓
BIOMOUNT DPX NEW*	xylene (BioClear)	S	200-300	1.5150-1.5180	✓
BIOMOUNT NEW	isoparaffin (BioClear New)	M	950-1050	1.4385-1.4395	-
BIOMOUNT NEW LOW	isoparaffin (BioClear New)	M	130-160	1.4345-1.4365	✓
BIOMOUNT	xylene (BioClear)	M	450-650	1.4920-1.4930	✓
BIOMOUNT HIGH	xylene (BioClear)	M	5000-5500	1.4900-1.4920	-
BIOMOUNT M	toluene	M	140-160	1.4900-1.4920	✓
BIOMOUNT C	xylene (BioClear)	M	5000-5500	1.4910-1.4925	-

Legend: M – methacrylate, S – styrene (polystyrene)

* does not contain harmful dibutyl phthalate plasticizer

** contact us to find out how to decrease viscosity of a medium

Xylene and styrene-based media for permanent mounting

BioMount DPX

Moderate viscosity medium for permanent covering of microscope samples and mounting cover glass.

100 mL	BM-100
250 mL	BM-250
500 mL	BM-500



BioMount DPX High

High viscosity medium for permanent covering of microscope samples and mounting cover glass.

100 mL	BMH-100
250 mL	BMH-250
500 mL	BMH-500



BioMount DPX Low

Low viscosity medium for permanent covering of microscope samples and mounting cover glass. Can be used in automatic cover slip machines.

100 mL	BML-100
250 mL	BML-250
500 mL	BML-500



BioMount DPX New

Low viscosity medium for permanent covering of microscope samples and mounting cover glass. Medium contains more environmentally friendly plasticizer instead of harmful dibutyl phthalate. Can be used in automatic cover slip machines.

100 mL	BMLE-100
250 mL	BMLE-250
500 mL	BMLE-500





Methacrylate and xylene substitute-based media for permanent mounting

BioMount New
Moderate viscosity medium for permanent covering of microscope samples deparaffinized using xylene substitute-based medium, as well as xylene-based medium.

100 mL	BMN-100
250 mL	BMN-250
500 mL	BMN-500

BioMount New Low
Very low viscosity medium for permanent covering of microscope samples deparaffinized using xylene substitute, as well as xylene.

100 mL	BMNL-100
250 mL	BMNL-250
500 mL	BMNL-500



Methacrylate-based permanent mounting media

BioMount
Low viscosity xylene-based medium for permanent covering of microscope slides and mounting cover glass.

100 mL	BMT-100
250 mL	BMT-250
500 mL	BMT-500

BioMount High
Very high viscosity xylene-based medium for permanent covering of microscope samples and mounting cover glass.

100 mL	BMTH-100
250 mL	BMTH-250
500 mL	BMTH-500

BioMount M
Very low viscosity toluene-based medium for permanent covering of microscope samples and mounting cover glass.

100 mL	BMM-100
250 mL	BMM-250
500 mL	BMM-500



Additional permanent mounting media

BioMount C

Very high viscosity medium for permanent covering of microscope slides and mounting cover glass.

100 mL	BMC-100
250 mL	BMC-250
500 mL	BMC-500

* excellent synthetic substitute for natural covering media, such as Canada Balsam



Water-based mounting media

PRODUCT NAME	SOLVENT	POLYMER	VISCOSITY @ 20°C (cSt, mPa)	REFRACTIVE INDEX @ 20°C (n _D)	USAGE IN AUTOMATED COVER SLIP MACHINES
BIOMOUNT AQUA	water	PVP	700-1000	1.4145-1.4205	-



BioMount Aqua

Water-based medium for covering microscope slides and mounting cover slips. With application in hematology, immunohistochemistry and immunocytochemistry with Fast-Red or AEC chromogens that require an aqueous mounting medium, but also with DAB chromogen.

30 mL	BMA-30
100 mL	BMA-100
250 mL	BMA-250
500 mL	BMA-500

Seven different types of immersion oils for microscopical analysis

Immersion oils are essential for routine laboratory work, especially in hematology, cytology and microbiology. They are commonly used for high magnifications in order to secure high resolution and a clear image. There are several types of immersion oils that differ according to viscosity and certain properties required by different microscopy techniques. They all have a common refractive index of 1.5150, equal to the refractive index of glass.

BioGnost's Immersion oils properties

PRODUCT NAME	VISCOSITY @ 23°C (cSt, mPa)	COMBINING WITH OTHER TYPES OF OIL	TYPE OF MICROSCOPY
IMMERSION OIL	800-1300	Immersion oil type A Immersion oil type C	light
IMMERSION OIL TYPE A	100-300	Immersion oil Immersion oil type C	light
IMMERSION OIL TYPE C	1500-2200	Immersion oil Immersion oil type A	light
IMMERSION OIL TYPE FF	170	-	fluorescent
IMMERSION OIL TYPE 37*	1250**	-	light, for use at 37°C
IMMERSION OIL, TROPICAL GRADE***	1000-1500****	-	light, for use at 27-29°C

* refractive index n_D at 37°C = 1.5150

** viscosity at 37°C

*** refractive index n_D at tropical temperatures = 1.515

**** viscosity at 28°C

Immersion oil

Immersion oil
Immersion oil for microscopy analysis with optimal viscosity of 800-1300 cSt.

10x10 mL	IU-1010
30 mL	IU-30
100 mL	IU-100
250 mL	IU-250
500 mL	IU-500



Immersion oil type A

Immersion oil type A
Immersion oil for microscopy analysis with low viscosity of 100-300 cSt.

10x10 mL	IUA-1010
30 mL	IUA-30
100 mL	IUA-100
250 mL	IUA-250
500 mL	IUA-500





Immersion oil type C

Immersion oil for microscopy analysis with high viscosity of 1500-2200 cSt.

100 mL	IUC-100
250 mL	IUC-250
500 mL	IUC-500

* excellent synthetic substitute for natural immersion oils, such as Cedarwood oil

Immersion oil type FF

Immersion oil for sample analysis in fluorescent microscopy.

100 mL	IUF-100
250 mL	IUF-250
500 mL	IUF-500

Immersion oil type 37

Immersion oil for microscopy analysis with optimal refractive index and viscosity of 1250 cSt at 37°C.

100 mL	IU37-100
250 mL	IU37-250
500 mL	IU37-500

Immersion oil, tropical grade

Immersion oil for microscopy analysis in tropical climates with optimal refractive index at 27-29°C.

10x10 mL	IUT-1010
30 mL	IUT-30
100 mL	IUT-100
250 mL	IUT-250
500 mL	IUT-500



Cleaning solutions for microscope lens and slides

Clean Lens, solution 1

Solution according to Carl Zeiss formulation for cleaning microscope lens. Based on n-hexane and 2-propanol.

100 mL	CL1-OT-100
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Clean Lens, solution 2

Solution for cleaning microscope lens and removing immersion oil from stained slide after using microscope. Based on diethyl ether and 2-propanol.

100 mL	CL2-OT-100
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Clean Lens, solution 3

Solution for cleaning microscope lens and removing immersion oil from stained slide after using microscope. Based on petroleum ether and 2-propanol.

100 mL	CL3-OT-100
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Standard histology staining reagents

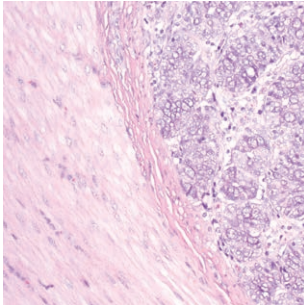
Reagents for hematoxylin and eosin (HE) staining, the gold standard for demonstrating cellular and tissue structures, providing detailed anatomy and morphology of frozen and paraffin tissue sections, enabling clear visualization of nuclear, cytoplasmic and other cell structures.

Hematoxylin reagents

Nuclear stains for standard HE staining

Properties of BioGnost's Hematoxylin reagents

PRODUCT NAME	CYTOLOGY	HISTOLOGY	IHC	PROGRESSIVE METHOD	REGRESSIVE METHOD
HEMATOXYLIN H	-	✓	-	✓	✓
HEMATOXYLIN M	-	✓	✓	✓	-
HEMATOXYLIN ML	-	✓	✓	✓	✓
HEMATOXYLIN G1	✓	✓	✓	✓	-
HEMATOXYLIN G2	✓	✓	✓	✓	✓
HEMATOXYLIN G3	✓	✓	-	✓	✓
HEMATOXYLIN CAR	-	✓	✓	✓	-
HEMATOXYLIN COL	-	✓	✓	✓	✓
HEMATOXYLIN HP, PAP 1A	✓	-	-	✓	✓
HEMATOXYLIN HP, PAP 1B	✓	-	-	✓	✓
HEMATOXYLIN W KIT	-	✓	✓	✓	acid resistant
HEMATOXYLIN P.T.A.	-	✓	-	✓	-



Each of BioGnost's Hematoxylin is specially stabilized in order to maintain the reagent's reactivity for prolonged periods of time, as well as to maintain the quality of the reagent. Every staining provides a crystal clear and highly detailed image of the cell's nucleus, which in turn makes abnormal or pathological changes easier to detect.

Hematoxylin H

Modified hematoxylin according to Harris, most commonly used formulation in HE staining. Strong intensity reagent for progressive and regressive staining in histopathology.

100 mL	HEMH-OT-100
500 mL	HEMH-OT-500
1000 mL	HEMH-OT-1L
2500 mL	HEMH-OT-2.5L

Hematoxylin M

Modified hematoxylin according to Mayer. Weaker intensity reagent for progressive staining in histopathology and counterstaining in immunohistochemistry.

100 mL	HEMM-OT-100
500 mL	HEMM-OT-500
1000 mL	HEMM-OT-1L
2500 mL	HEMM-OT-2.5L

Hematoxylin ML

Modified hematoxylin according to Mayer-Lillie. Strong intensity new generation reagent for progressive and regressive staining in histopathology.

100 mL	HEMML-OT-100
500 mL	HEMML-OT-500
1000 mL	HEMML-OT-1L
2500 mL	HEMML-OT-2.5L

Hematoxylin G1

Hematoxylin according to Gill, ideal for staining goblet cells. New generation reagent for delicate progressive staining in histopathology, cytology and for counterstaining in immunohistochemistry.

100 mL	HEMG1-OT-100
500 mL	HEMG1-OT-500
1000 mL	HEMG1-OT-1L
2500 mL	HEMG1-OT-2.5L

Hematoxylin G2

Hematoxylin according to Gill, contains double concentration of hematoxylin compared to Hematoxylin G1. Moderate intensity new generation reagent for progressive and regressive staining in histopathology, cytology and for counterstaining in immunohistochemistry.

100 mL	HEMG2-OT-100
500 mL	HEMG2-OT-500
1000 mL	HEMG2-OT-1L
2500 mL	HEMG2-OT-2.5L

Hematoxylin G3

Modified hematoxylin contains triple concentration of hematoxylin compared to Hematoxylin G1. Strong intensity new generation reagent for progressive and regressive staining in histopathology and cytology.

100 mL	HEMG3-OT-100
500 mL	HEMG3-OT-500
1000 mL	HEMG3-OT-1L
2500 mL	HEMG3-OT-2.5L



Eosin reagents

Cytoplasmic stains for standard HE staining

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

Eosin Y aqueous solutions

Eosin Y aqueous solutions for cytoplasmic counterstaining.

Eosin Y 0.2% aqueous	1000 mL 2500 mL	EOY-02-OT-1L EOY-02-OT-2.5L
Eosin Y 0.5% aqueous	1000 mL 2500 mL	EOY-05-OT-1L EOY-05-OT-2.5L
Eosin Y 1% aqueous	1000 mL 2500 mL	EOY-10-OT-1L EOY-10-OT-2.5L
Eosin Y 2% aqueous	1000 mL 2500 mL	EOY-20-OT-1L EOY-20-OT-2.5L

Eosin Y alcoholic solutions

Eosin Y alcoholic solutions for cytoplasmic counterstaining.

Eosin Y 0.5% alcoholic	1000 mL 2500 mL	EOYA-05-OT-1L EOYA-05-OT-2.5L
Eosin Y 1% alcoholic	1000 mL 2500 mL	EOYA-10-OT-1L EOYA-10-OT-2.5L
Eosin Y 2% alcoholic	1000 mL 2500 mL	EOYA-20-OT-1L EOYA-20-OT-2.5L

Eosin Contrast

Modified alcoholic solution for cytoplasmic counterstaining. The reagent contains Eosin Y and Phloxine B for enhanced counterstaining effect.

1000 mL 2500 mL	EOYK-OT-1L EOYK-OT-2.5L
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Eosin Contrast PLUS

Modified alcoholic solution for intensive cytoplasmic counterstaining. Reagent contains Eosin Y, Phloxine B, and Biebrich Scarlet dyes for additional counterstaining effect.

1000 mL 2500 mL	EOYKP-OT-1L EOYKP-OT-2.5L
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Eosin Y instant

Mixture of powders for preparation of eosin reagent in aqueous or alcoholic medium.

Eosin Y Instant, aqueous	for 1000 mL	EOYI-AQ-1L
Eosin Y Instant, alcoholic	for 1000 mL	EOYI-ALC-1L



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.

100 mL	EA31-OT-100
500 mL	EA31-OT-500
1000 mL	EA31-OT-1L
2500 mL	EA31-OT-2.5L



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.

100 mL	EA50-OT-100
500 mL	EA50-OT-500
1000 mL	EA50-OT-1L
2500 mL	EA50-OT-2.5L



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.

100 mL	EA65C-OT-100
500 mL	EA65C-OT-500
1000 mL	EA65C-OT-1L
2500 mL	EA65C-OT-2.5L



EA 65 reagent, Pap 3D

Polychromatic reagent for staining and differentiation of squamous cells. Counterstain for **non-gynecology** samples in cytology, stains the cytoplasm light blue-green and pink.

100 mL	EA65D-OT-100
500 mL	EA65D-OT-500
1000 mL	EA65D-OT-1L
2500 mL	EA65D-OT-2.5L



Rapid Pap staining kit

Ready-to-use eight-reagent kit (in 20 containers that can be used as staining jars) for rapid progressive gynecology and non-gynecology cytological samples. Contains xylene substitute as clearing agent and xylene substitute-based medium for permanent covering of samples.

for 100 tests PAP-100T



OG-EA31 Pap reagent

One-step polychromatic reagent used as counterstain for gynecology samples in cytology. Enables rapid staining and differentiation between epithelial cells whose cytoplasm is stained green and pink. It is not necessary to use OG-6, Pap 2A reagent during staining because it stains cytoplasm of keratinized cell orange at the same time.

100 mL	OGEA31-OT-100
500 mL	OGEA31-OT-500
1000 mL	OGEA31-OT-1L
2500 mL	OGEA31-OT-2.5L



OG-EA50 Pap reagent

One-step polychromatic reagent used as counterstain for gynecology samples in cytology. Enables rapid staining and differentiation between epithelial cells whose cytoplasm is stained blue and pink. It is not necessary to use OG-6, Pap 2A reagent during staining because it stains cytoplasm of keratinized cell orange at the same time.

100 mL	OGEA50-OT-100
500 mL	OGEA50-OT-500
1000 mL	OGEA50-OT-1L
2500 mL	OGEA50-OT-2.5L



Shorr's solution

Enables clear differentiation of eosinophilic and cyanophilic cells of cervical epithelium. It is also used for a better visualization of sperm morphology.

100 mL	SH-OT-100
500 mL	SH-OT-500
1000 mL	SH-OT-1L
2500 mL	SH-OT-2.5L



Hematoxylin G1

Hematoxylin according to Gill, ideal for staining goblet cells. New generation reagent for delicate progressive staining in histopathology, cytology and for counterstaining in immunohistochemistry.

100 mL	HEMG1-OT-100
500 mL	HEMG1-OT-500
1000 mL	HEMG1-OT-1L
2500 mL	HEMG1-OT-2.5L

Hematoxylin G2

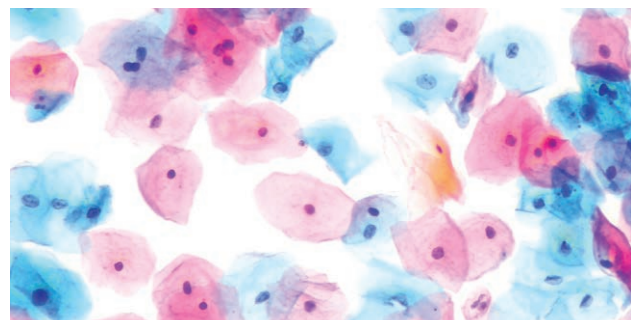
Hematoxylin according to Gill, contains double concentration of hematoxylin compared to Hematoxylin G1. Moderate intensity new generation reagent for progressive staining in histopathology, cytology and for counterstaining in immunohistochemistry.

100 mL	HEMG2-OT-100
500 mL	HEMG2-OT-500
1000 mL	HEMG2-OT-1L
2500 mL	HEMG2-OT-2.5L

Hematoxylin G3

Modified hematoxylin contains triple concentration of hematoxylin compared to Hematoxylin G1. Strong intensity new generation reagent for progressive staining in histopathology and cytology.

100 mL	HEMG3-OT-100
500 mL	HEMG3-OT-500
1000 mL	HEMG3-OT-1L
2500 mL	HEMG3-OT-2.5L





Rapid and standard hematology reagents and kits

Bio-Diff kits

Rapid staining solutions for hematology, cytology and histology

Rapid diagnostic kits that provide precise staining results in a short period of time, such as results provided by May-Gruenwald Giemsa (MGG) staining method. Each component of Bio-Diff and Bio-Diff RTU kits is stabilized and prepared according to the highest standards.

Bio-Diff kit

Three-reagent kit that contains fixative agent, red and blue components for fast and effective staining. Each kit contains buffer tablets for consistent staining results.

3x100 mL	BD-K-100
3x500 mL	BD-K-500
3x1000 mL	BD-K-1L
3x2500 mL	BD-K-2.5L

Bio-Diff 1 reagent

Fixative agent, component of Bio-Diff kit.

100 mL	BD1-OT-100
500 mL	BD1-OT-500
1000 mL	BD1-OT-1L
2500 mL	BD1-OT-2.5L

Bio-Diff 2 reagent

Buffered red component of Bio-Diff kit.

100 mL	BD2-OT-100
500 mL	BD2-OT-500
1000 mL	BD2-OT-1L
2500 mL	BD2-OT-2.5L

Bio-Diff 3 reagent

Buffered blue component of Bio-Diff kit.

100 mL	BD3-OT-100
500 mL	BD3-OT-500
1000 mL	BD3-OT-1L
2500 mL	BD3-OT-2.5L

STAINING DONE IN
14 SECONDS*



* Depending on the type of sample.

Bio-Diff RTU kit

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

3x100 mL BD-RTU-100



Bio-Diff 1 RTU reagent

Fixative component Bio-Diff RTU kit.

100 mL BD1-RTU



Bio-Diff 2 RTU reagent

Buffered red component of Bio-Diff RTU kit.

100 mL BD2-RTU

Bio-Diff 3 RTU reagent

Buffered blue component of Bio-Diff RTU kit.

100 mL BD3-RTU

STAINING DONE IN
14 SECONDS*



* depending on the type of sample

Buffer solution, pH 7.2

Phosphate buffer solution, molarity 6 mM for use in hematology and histology.

1000 mL	PUF72-OT-1L
2500 mL	PUF72-OT-2.5L
5000 mL	PUF72-OT-5L

Buffer tablets pH 7.2

Phosphate buffer tablets for preparing buffer solutions used in hematology and histology. One buffer tablet is sufficient for preparation of 1000 mL of phosphate buffer solution.

50 pcs	PT-72-50
100 pcs	PT-72-100



Use buffer solution pH 6.8 for hematological and cytological diagnostics. Use buffer solution pH 7.2 for the detection of blood parasites.

Additional staining solutions for hematology and cytology



Wright's solution

Polychromatic solution of Eosin Y, Methylene Blue and azure dyes. For staining in hematology, cytology and cytogenetics.

100 mL	WR-OT-100
500 mL	WR-OT-500
1000 mL	WR-OT-1L

Field kit

Ready to use two-reagent kit for rapid and efficient staining and detection of parasites in hematology samples. Kit for 100 tests contains reagents in containers that can be used as staining jars.

for 100 tests	FD-100T
2x500 mL	FD-K-500

Wright-Giemsa solution

Polychromatic solution of Eosin Y, Methylene Blue and azure dyes. Modified Romanowsky stain for hematology staining.

100 mL	WRGM-OT-100
500 mL	WRGM-OT-500
1000 mL	WRGM-OT-1L
2500 mL	WRGM-OT-2.5L

Hayem's solution

Solution for manual counting of erythrocytes.

100 mL	HY-OT-100
500 mL	HY-OT-500
1000 mL	HY-OT-1L

Tuerk's solution

Solution for manual counting of leukocytes.

100 mL	TU-OT-100
500 mL	TU-OT-500
1000 mL	TU-OT-1L



Brilliant Cresyl Blue, solution

Solution for staining reticulocytes in hematology.

100 mL	BCB-OT-100
500 mL	BCB-OT-500
1000 mL	BCB-OT-1L

Leishman's solution

Polychromatic solution of Eosin Y, Methylene Blue and azure dyes. For staining in hematology and clinical cytology.

100 mL	LE-OT-100
500 mL	LE-OT-500
1000 mL	LE-OT-1L

CytoGnost kit

Three-reagent kit for manual counting of human blood components.

3 x 100 mL	HCG-K-100
3 x 500 mL	HCG-K-500
3 x 1000 mL	HCG-K-1L

ThromboGnost solution

Solution for manual counting of thrombocytes.

100 mL	THR-OT-100
500 mL	THR-OT-500
1000 mL	THR-OT-1L

Cytochemical staining kits and ancillary reagents

Cytochemical staining kits

Enzymocytochemical blood smear and bone marrow staining of sections used to determine location and activity of cellular structures and enzyme systems in leukemia cell cytoplasm. Known as a routine method for diagnosis of hematological diseases and leukemia classification.

Kit for detection of specific esterase activity (Leder stain, chloroacetate esterase) in leukocytes. Can be applied on formalin-fixed, paraffin-embedded tissue.

for at least 100 tests LKG-SPE

Kit for detection of alkaline phosphatase activity in leukocytes.

for at least 100 tests LKG-ALP

Kit for detection of myeloperoxidase activity in leukocytes.

for at least 100 tests LKG-MPO

Kit for detection of the periodic acid-Schiff reaction in leukocytes.

for at least 100 tests LKG-PAS

Kit for detection of non-specific esterase activity in leukocytes.

for at least 100 tests LKG-NSE

Kit for simultaneous detection of specific and non-specific esterase activity in leukocytes.

for at least 50 tests LKG-SPENSE

Kit for detection of alkaline phosphatase activity in leukocytes.

for at least 50 tests LKG-ACP

LeukoGnost PERLS (Prussian blue) kit for detection of free ferric (Fe^{3+}) ions in blood and bone marrow. For application on tissue cells use HemoGnost PERLS kit.

for 100 tests LKG-PERLS

Four-reagent kit for staining neutrophil granules in hematological smears.

for 350-400 tests SBBH-K-100

Phenol-free three-reagent kit for staining neutrophil granules in hematological smears.

for 100 tests SBBE-100T



LEUKOGNOST

Cytochemical staining kits and ancillary reagents

Ancillary reagents

Ancillary reagents greatly complement LeukoGnost kits - can be purchased separately or as a kit (LeukoGnost PLUS) containing a fixative, hematoxylin stain and a water-based mounting medium.

LeukoGnost PLUS

Additional set of reagents for use with LeukoGnost kits. Contains fixative, hematoxylin reagent and water-based mounting medium.

for at least 100 tests LKG-PLUS

LeukoGnost Fixative

Fixative for use in cytochemical diagnostics of leukemia

500 mL LKF-500

LeukoGnost Fixative ECO

Formalin-free fixative for use in cytochemical diagnostics of leukemia.

500 mL LFEC-500

LeukoGnost Fixative GL

Fixative for use in cytochemical diagnostics of leukemia, based on A formalin substitute.

500 mL LFGL-500

LeukoGnost HEM

Hematoxylin reagent for use with LeukoGnost kits.

100 mL	LKH-OT-100
250 mL	LKH-OT-250
500 mL	LKH-OT-500

BioMount Aqua

Aqueous covering medium for microscope sections and mounting medium for cover glasses.

30 mL	BMA-30
100 mL	BMA-100
250 mL	BMA-250
500 mL	BMA-500



Kits for identification of bacteria according to Gram

Differential staining of bacteria according to Gram is widely known and used method in microbiology. BioGram 4 kit uses standard method to provide optimal staining and identification of Gram-positive and Gram-negative bacteria. BioGram ECO kit is a phenol-free, eco-friendly alternative to BioGram 4 kit with equal staining results.

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 counterstain.

for 100 tests	BGR4-100T
5x100 mL	BGR4-K-100
5x250 mL	BGR4-K-250
5x500 mL	BGR4-K-500



Primary stain reagent for Gram-positive bacteria. Crystal Violet is also known as Gentian Violet and Methyl Violet 10B.

100 mL	GC1-OT-100
250 mL	GC1-OT-250
500 mL	GC1-OT-500
1000 mL	GC1-OT-1L
2500 mL	GC1-OT-2.5L

Solution contains polyvinylpyrrolidone iodine (PVP-I).

100 mL	GLS-OT-100
250 mL	GLS-OT-250
500 mL	GLS-OT-500
1000 mL	GLS-OT-1L
2500 mL	GLS-OT-2.5L

Medium speed decolorizer used after stabilized iodine solution.

100 mL	GD2-OT-100
250 mL	GD2-OT-250
500 mL	GD2-OT-500
1000 mL	GD2-OT-1L
2500 mL	GD2-OT-2.5L



Counterstain for Gram-negative bacteria, contains Safranin O dye.

100 mL	GSF-OT-100
250 mL	GSF-OT-250
500 mL	GSF-OT-500
1000 mL	GSF-OT-1L
2500 mL	GSF-OT-2.5L

BioGram ECO kit PHENOL-FREE

Four-reagent **phenol-free** kit for identification of bacteria according to Gram. Kit contains Gram Crystal violet, phenol-free reagent, Gram Sodium hydrogencarbonate, solution, stabilized Gram Lugol solution, double amount of Gram Decolorizer solution 2 and Gram Safranin solution as counterstain.

2x50 mL+4x100 mL	BGRE-K-100
2x250 mL+4x500 mL	BGRE-K-500

Gram Crystal Violet, phenol-free reagent

Primary stain reagent for Gram-positive bacteria, doesn't contain phenol. Crystal Violet is also known as Gentian Violet and Methyl Violet 10B.

100 mL	GCF-OT-100
250 mL	GCF-OT-250
500 mL	GCF-OT-500
1000 mL	GCF-OT-1L
2500 mL	GCF-OT-2.5L

Gram Sodium hydrogencarbonate, solution

Solution of sodium hydrogencarbonate for use with BioGram ECO kit.

100 mL	GNHK-OT-100
250 mL	GNHK-OT-250
500 mL	GNHK-OT-500
1000 mL	GNHK-OT-1L
2500 mL	GNHK-OT-2.5L

Additional bacteriology staining solutions according to Gram

Gram Lugol solution

Non-stabilized Lugol solution.

100 mL	GL-OT-100
250 mL	GL-OT-250
500 mL	GL-OT-500
1000 mL	GL-OT-1L

Gram Decolorizer solution 1

Slow acting decolorizer solution used after non-stabilized iodine solution.

100 mL	GD1-OT-100
250 mL	GD1-OT-250
500 mL	GD1-OT-500
1000 mL	GD1-OT-1L

Gram Decolorizer solution 3

Fast acting solution used with automated stainers.

100 mL	GD3-OT-100
250 mL	GD3-OT-250
500 mL	GD3-OT-500
1000 mL	GD3-OT-1L

Gram Safranin 5x concentrated

Concentrated counterstain solution of Safranin O dye.

For preparation of 500 mL of Safranin O counterstain solution	100 mL	SO05X-OT-100
For preparation of 2500 mL of Safranin O counterstain solution	500 mL	SO05X-OT-500
For preparation of 5000 mL of Safranin O counterstain solution	1000 mL	SO05X-OT-1L

Carbol Fuchsin Gram 10x concentrated

Concentrated Carbol Fuchsin solution for preparation of counterstain solution for modified staining. Also known as concentrated Gram Fuchsin solution.

For preparation of 1000 mL of Carbol Fuchsin Gram counterstain solution	100 mL	CFGR10-OT-100
For preparation of 5000 mL of Carbol Fuchsin Gram counterstain solution	500 mL	CFGR10-OT-500
For preparation of 10000 mL of Carbol Fuchsin Gram counterstain solution	1000 mL	CFGR10-OT-1L

Additional iodine solutions

Lugol's solution

Classic formulation of aqueous solution of iodine and potassium iodide.

100 mL	LUG-OT-100
250 mL	LUG-OT-250
500 mL	LUG-OT-500

Lugol's C solution

Aqueous solution of iodine and potassium iodide, enhanced formulation with stronger staining (compared to classic Lugol solution).

100 mL	LUGC-OT-100
250 mL	LUGC-OT-250
500 mL	LUGC-OT-500

Lugol's solution, acid

Aqueous iodine and potassium iodide solution with added acid.

100 mL	LUGK-OT-100
250 mL	LUGK-OT-250
500 mL	LUGK-OT-500

Kits for staining acid-fast bacteria according to Ziehl-Neelsen

Most commonly known method for detecting TB bacteria according to Ziehl-Neelsen. This method enables rapid and easy staining of acid-fast bacterial strains, such as *Mycobacteria*, *Nocardia*, *Rhodococcus*, *Dietzia* and *Gordonia*. TB-Stain ECO kit is a phenol-free, environment-friendly alternative to TB-Stain Hot kit.

Three-reagent kit for staining acid-fast bacteria. Contains TB Carbol Fuchsin reagent, double amount of TB Decolorizer and Methylene Blue Loeffler's reagent as counterstain.

for 100 tests	TBH-100T
4x100 mL	TBH-K-100
4x250 mL	TBH-K-250
4x500 mL	TBH-K-500

Synonym: Ziehl-Neelsen reagent. Primary stain reagent for acid-fast bacteria used in TB-Stain Hot, TB-Stain Cold and TB-Stain Quick kits.

100 mL	TBC-OT-100
250 mL	TBC-OT-250
500 mL	TBC-OT-500
1000 mL	TBC-OT-1L
2500 mL	TBC-OT-2.5L

Three-reagent phenol-free kit for staining acid-fast bacteria. Contains TB-Fuchsin reagent, double amount of TB Decolorizer and Methylene Blue Loeffler's reagent as counterstain.

4x100 mL	TBE-K-100
4x250 mL	TBE-K-250
4x500 mL	TBE-K-500

For use in TB-Stain Hot and TB-Stain Cold kits.

100 mL	TBD-OT-100
250 mL	TBD-OT-250
500 mL	TBD-OT-500
1000 mL	TBD-OT-1L
2500 mL	TBD-OT-2.5L

Blue counterstain for TB-Stain Hot kit.

100 mL	MBL-OT-100
250 mL	MBL-OT-250
500 mL	MBL-OT-500
1000 mL	MBL-OT-1L
2500 mL	MBL-OT-2.5L

Primary stain **phenol-free** reagent for acid-fast bacteria used in TB-Stain ECO kit.

100 mL	TBFR-OT-100
250 mL	TBFR-OT-250
500 mL	TBFR-OT-500
1000 mL	TBFR-OT-1L
2500 mL	TBFR-OT-2.5L

Additional TB-Stain Hot kit staining solution

Concentrated counterstain solution of Methylene Blue dye for use in microbiology.

For preparation of 1000 mL of Methylene Blue counterstain solution	100 mL	MB10X-OT-100
For preparation of 5000 mL of Methylene Blue counterstain solution	500 mL	MB10X-OT-500
For preparation of 10000 mL of Methylene Blue counterstain solution	1000 mL	MB10X-OT-1L

Kits for staining acid-fast bacteria according to Kinyoun and Kinyoun-Gabbett

TB-Stain Cold kit

Three-reagent kit for staining acid-fast bacteria according to Kinyoun. Contains TB Carbol Fuchsin reagent, double amount of TB Decolorizer and TB Malachite Green reagent as counterstain.

for 100 tests	TBC-100T
4x100 mL	TBC-K-100
4x250 mL	TBC-K-250
4x500 mL	TBC-K-500

TB Carbol Fuchsin reagent

Synonym: Ziehl-Neelsen reagent. Primary stain reagent for acid-fast bacteria used in TB-Stain Hot, TB-Stain Cold and TB-Stain Quick kits.

100 mL	TBC-OT-100
250 mL	TBC-OT-250
500 mL	TBC-OT-500
1000 mL	TBC-OT-1L
2500 mL	TBC-OT-2.5L

TB Decolorizer

For use in TB-Stain Hot and TB-Stain Cold kits.

100 mL	TBD-OT-100
250 mL	TBD-OT-250
500 mL	TBD-OT-500
1000 mL	TBD-OT-1L
2500 mL	TBD-OT-2.5L

TB Malachite Green reagent

Green counterstain for TB-Stain Cold kit.

100 mL	TBM-OT-100
250 mL	TBM-OT-250
500 mL	TBM-OT-500
1000 mL	TBM-OT-1L
2500 mL	TBM-OT-2.5L

TB-Stain Quick kit

Three-reagent kit for rapid staining of acid-fast bacteria using Kinyoun-Gabbett method. Contains TB Carbol Fuchsin reagent and TB Armand reagent as counterstain.

3x100 mL	TBQ-K-100
3x250 mL	TBQ-K-250
3x500 mL	TBQ-K-500

TB Armand reagent

Blue counterstain for use in TB-Stain Quick kit.

100 mL	TBAR-OT-100
250 mL	TBAR-OT-250
500 mL	TBAR-OT-500
1000 mL	TBAR-OT-1L
2500 mL	TBAR-OT-2.5L

Additional TB-Stain Cold kit staining solution

Gabbett reagent

Blue counterstain for staining acid-fast bacteria according to modified Kinyoun method.

100 mL	GAB-OT-100
250 mL	GAB-OT-250
500 mL	GAB-OT-500
1000 mL	GAB-OT-1L





Kits for detection of acid-fast bacteria using fluorescence microscopy according to modified Truant method

TB-Stain Fluorescent kit

Three-reagent kit for detection of acid-fast bacteria using fluorescence microscopy. Contains TB Auramine-Rhodamine reagent, double amount of TB Decolorizer Fluorescent and TB Permanganate reagent as counterstain.

for 100 tests	TBF-100T
4x100 mL	TBF-K-100
4x250 mL	TBF-K-250
4x500 mL	TBF-K-500



TB-Stain Auramine O kit

Three-reagent kit for staining acid-fast bacteria using fluorescence method. Contains TB Auramine O reagent, double amount of TB Decolorizer Fluorescent and counterstain of TB Permanganate reagent.

4x100 mL	TBAO-K-100
4x250 mL	TBAO-K-250
4x500 mL	TBAO-K-500



TB Auramine O reagent

Primary stain for use in TB Stain Auramine O kit.

100 mL	TBAO-OT-100
250 mL	TBAO-OT-250
500 mL	TBAO-OT-500
1000 mL	TBAO-OT-1L
2500 mL	TBAO-OT-2.5L

TB Auramine-Rhodamine reagent

Primary stain reagent for use in TB-Stain Fluorescent kit.

100 mL	TBA-OT-100
250 mL	TBA-OT-250
500 mL	TBA-OT-500
1000 mL	TBA-OT-1L
2500 mL	TBA-OT-2.5L



TB Decolorizer Fluorescent

For use in TB-Stain Fluorescent and TB-Stain Auramine O kits.

100 mL	TBF-OT-100
250 mL	TBF-OT-250
500 mL	TBF-OT-500
1000 mL	TBF-OT-1L
2500 mL	TBF-OT-2.5L



TB Permanganate reagent

Counterstain for use in TB-Stain Fluorescent kit and TB-Stain Auramine O kits.

100 mL	TBP-OT-100
250 mL	TBP-OT-250
500 mL	TBP-OT-500
1000 mL	TBP-OT-1L
2500 mL	TBP-OT-2.5L



Solutions for staining and analysis of fungi

In order to detect and achieve better visualization of fungi and fungal structures that are otherwise difficult to observe, fungi can be stained using Lactophenol solutions. Using Myco-Mount medium they can also be stained and preserved as a permanent preparation.

Lactophenol Blue solution

For use in mycology for staining and analysis of fungi.

100 mL	LPB-OT-100
250 mL	LPB-OT-250



Lactophenol solution

Colorless solution for use in mycology and analysis of fungi.

100 mL	LP-OT-100
250 mL	LP-OT-250



For detection and fungal staining of histology sections, please see page 44 for more details on Grocott kit.

Myco-Mount Blue

Medium for simultaneous staining of fungi blue and preparation of permanent slides.

30 mL	MYMB-30
100 mL	MYMB-100



Myco-Mount Red

Medium for simultaneous staining of fungi red and preparation of permanent slides.

30 mL	MYMR-30
100 mL	MYMR-100



Potassium hydroxide, solution for fungi

Solution for use in mycology for analysis and visualization of fungi.

30 mL	KHOG-OT-30
100 mL	KHOG-OT-100

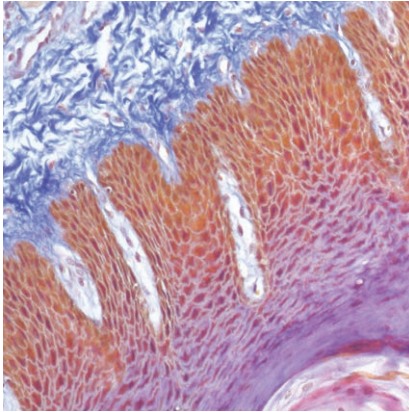


Classification of special staining kits according to use:

LeukoGnost SPE

Fouchet-Van Gieson kit
Grimelius kit
HemoGnost Perls kit
Masson Fontana kit
Orcein kit
Perls-Van Gieson kit
Rhodanine kit
Von Kossa kit

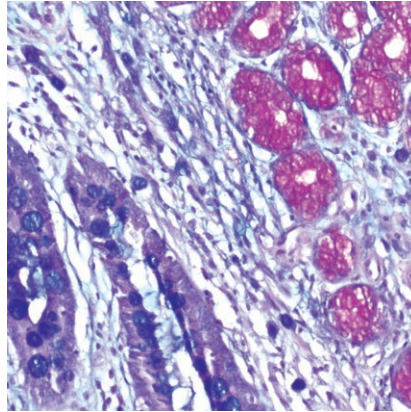
Bielschowsky kit
Luxol Fast Blue kit



A.F.O.G. kit

Six-reagent Acid Euchsin Orange G kit for selective staining of glomerular protein deposits and collagen in kidney biopsies. Nuclear stain is obtained with Weigert ferric hematoxylin, cytoplasm with Orange G and highly selective collagen stain with Aniline blue.

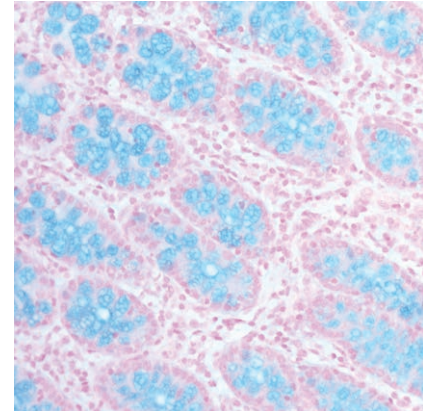
for 100 tests AFOG-100T
6x100 mL AFOG-K-100



Alcian Blue - P.A.S. kit

Seven-reagent Alcian Blue - Periodic Acid-Schiff kit for staining acid mucopolysaccharides according to Mowry. Enables differentiation between acid mucins (stained light blue) and neutral mucins, glycogens and glycoproteins (stained magenta).

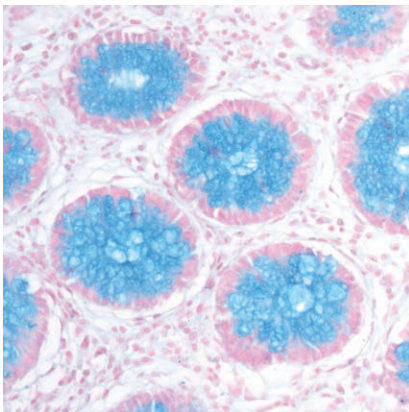
for 100 tests AB-100T
7x100 mL **AB-K-100**
7x500 mL AB-K-500



Alcian Blue pH 1.0 kit

Three-reagent kit for specific staining of heavily sulfated mucopolysaccharides blue. Slides are counterstained with Nuclear Fast Red (Kernechtrot) reagent to fully detect the presence of Alcian Blue positive staining.

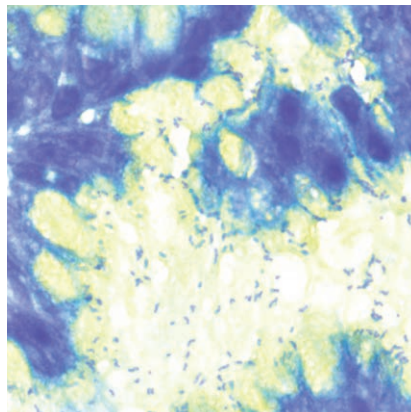
for 100 tests AB10-100T
3x100 mL AB10-K-100



Alcian Blue pH 2.5 kit

Three-reagent kit for staining sulfated and carboxylated acid mucopolysaccharides and sulfated and carboxylated sialomucins blue. Slides are counterstained with Nuclear Fast Red (Kernechtrot) reagent to fully detect the presence of Alcian Blue positive staining.

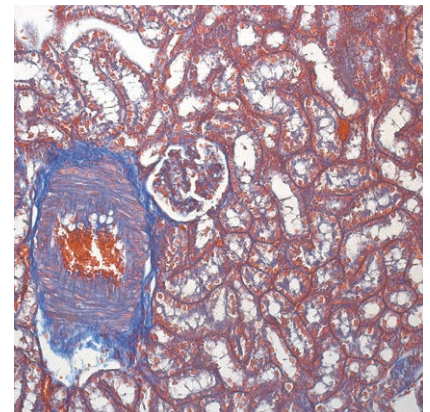
for 100 tests AB25-100T
3x100 mL **AB25-K-100**



Alcian Yellow Toluidine Blue kit

Six-reagent kit for staining *Helicobacter pylori* in gastric tissue sections. This method is one of the most popular non-silver method for staining of *H. pylori*, where bacteria are stained blue in contrast to yellow mucins.

for 100 tests AYTb-100T

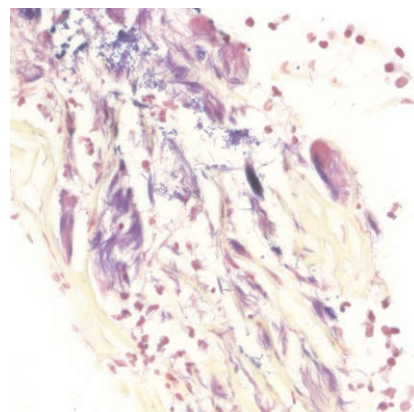
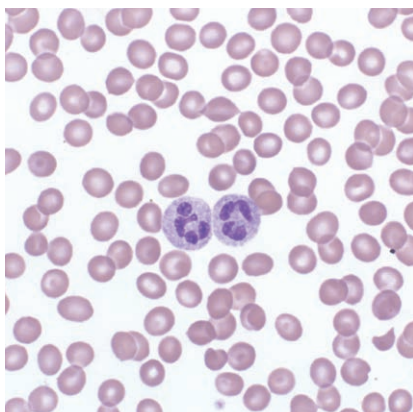


Azan Trichrome kit

Five-reagent kit for connective tissue staining according to Mallory. Used for visualization of muscle fibers, collagen, glial cells, kidney glomerular stroma, erythrocytes, reticulum and nuclear chromatin in histologic sections.

for 100 tests AZT-100T
5x250 mL AZT-K-250





Five-reagent kit for staining nerve fibers, axons, neurofibrils and senile plaques in the central nervous system. Bielschowsky silver stain kit can be used in detecting Alzheimer's disease and other neurological disorders.

for 100 tests BLS-100T



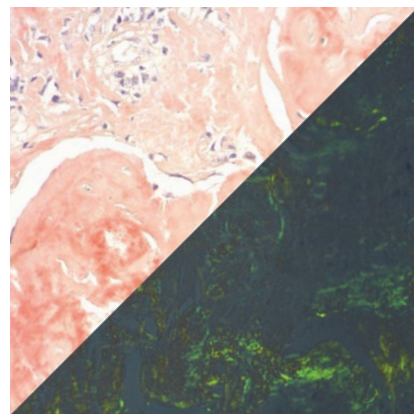
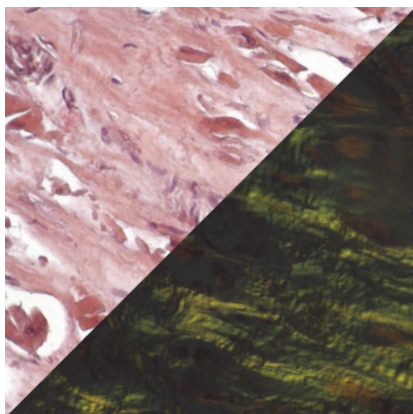
Ready-to-Use three-reagent kit with reagents stored in containers that can be used as staining jars. Kit contains fixative reagent, red and blue components for fast and effective staining and buffer tablet for consistent staining results.

3x100 mL BD-RTU-100



Five-reagent kit for identification of bacteria according to Gram. For differentiation between Gram-positive and Gram-negative bacteria in histology sections.

for 100 tests BGRH-100T



Six-reagent kit used for visualization of carboxylated and sulphated groups of acid mucopolysaccharides and proteoglycans. This method can be combined with the P.A.S. method; that way glycogen and neutral mucopolysaccharides would get differentially stained characteristically magenta.

for 100 tests KOL-100T



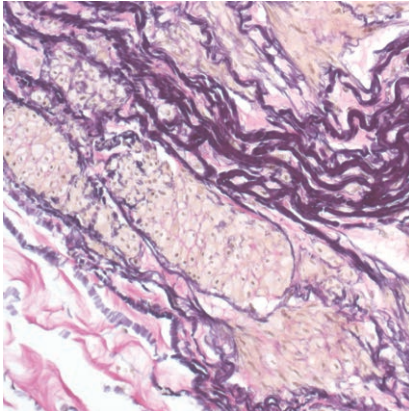
Three-reagent kit for staining amyloids, characteristic for use of alkaline solution as differentiation medium in order to avoid undesirable non-specific coloration of cellular substances. Amyloid deposits display apple green birefringence with polarized light.

for 100 tests	CR-100T
3x100 mL	CR-K-100



Four-reagent kit for staining amyloids, characteristic by its high ionic strength and pH enhancing specificity of Congo Red dye binding to amyloid clusters. Method developed by Puchtler remains the gold standard for amyloids in tissue sections. Amyloid clusters have the property of double refraction that enables green coloration under polarized light.

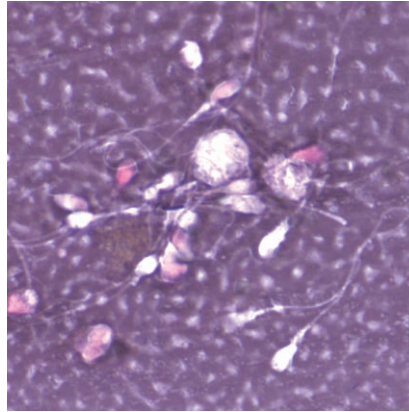
for 100 tests	CRP-100T
for up to 300 tests	CRP-K-100



Elastica-Van Gieson kit

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

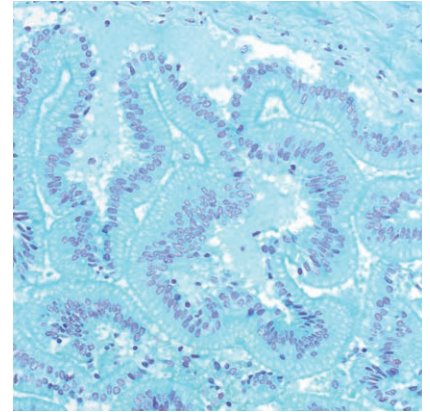
for 100 tests WVGB-100T
4x100 mL WVGB-K-100



Eosin and nigrosine vital kit

Two-reagent kit containing separate dyes for rapid detection of sperm vitality and simple visualization of dead and living sperm cells. The nigrosin stain provides dark background for easier recognition of both viable and non-viable spermatozoa.

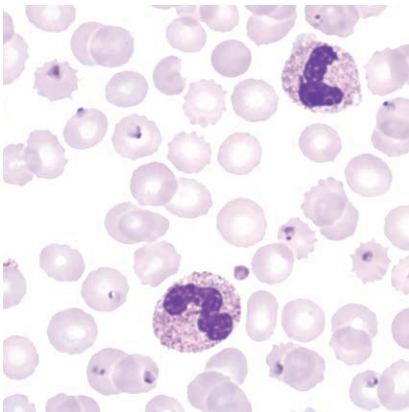
2x30 mL ENVK-K-30
2x100 mL ENVK-K-100



Feulgen kit

Five-reagent DNA staining kit according to Feulgen. For use in semiquantitative DNA determination in histological and cytological samples. Specimen is first treated with hydrochloric acid creating an aldehyde group of DNA that can be visualized by Schiff (BioSchiff) reagent. This reaction is specific for nuclear DNA.

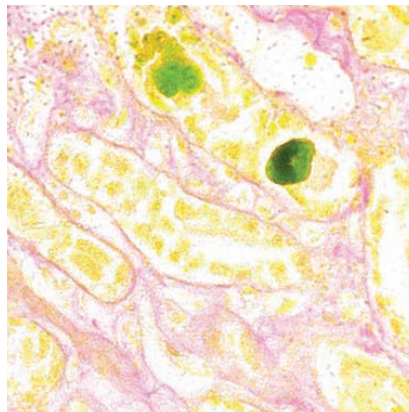
for 100 tests FE-100T
6x100 mL FE-K-100



Field kit

Ready-to-use two-reagent kit for rapid and efficient staining and detection of parasites in hematology samples. Primarily used for staining thin and thick blood smears (dense drop) for purpose of diagnosing blood parasites. Reagents are stored in containers that can be used as staining jars.

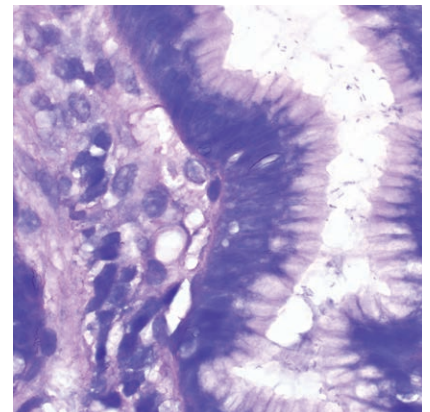
for 100 tests FD-100T
2x500 mL FD-K-500



Fouchet-Van Gieson kit

Three-reagent kit for visualization of bilirubin and collagen according to Kutlick. Bilirubin is a yellow-brown pigment, but changes to green due to oxidation induced by Fouchet reaction. Green bilirubin can easily be detected on yellowish and pink colored background.

for 100 tests FVG-100T
3x100 mL FVG-K-100



Giemsa HP kit

Four-reagent kit for staining *Helicobacter pylori* in gastroscopic sections according to Lennart. Advantages of this method for detecting *H. pylori* are sensitive and reproducible results and easy performance.

for 100 tests **GMHP-100T**





* Green counterstain also available



for 100 tests	GRI-100T
5x100 mL	GRI-K-100



for 100 tests	GRC-100T
300-350 tests	GRC-K-100

Stable at room temperature



for 100 tests	HBFP-100T
3x100 mL	HBFP-K-100

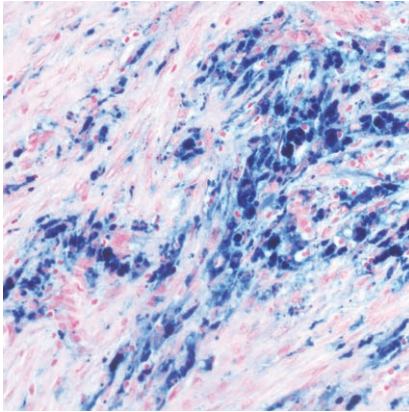


for 100 tests	HPTA-100T
4x100 mL	HPTA-K-100



for 100 tests	HEMW-100T
2x100 mL	HEMW-K-100
2x500 mL	HEMW-K-500
2x1000 mL	HEMW-K-1L

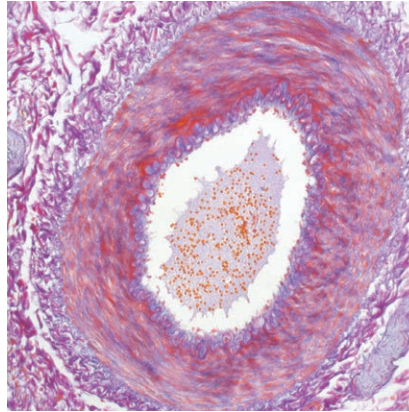




HemoGnost Perls kit

Three-reagent HemoGnost Perls (Prussian blue / Berlin blue) kit for the detection of reactive ferric (Fe^{3+}) ions in tissue cells (like spleen or endometrial tissue). When staining bone marrow or other hematology tissue, use LeukoGnost PERLS kit (page 32).

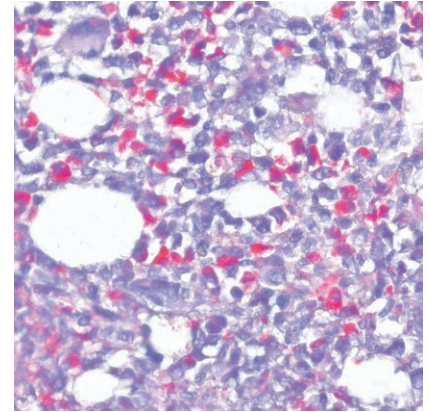
for 100 tests HP-100T
3x250 mL HP-K-250



Ladewig Trichrome kit

Four-reagent kit for staining muscle (brown to red) and collagen fibers with blue counterstain. Staining procedure is easier and faster compared to Masson and Mallory Trichrome staining procedures.

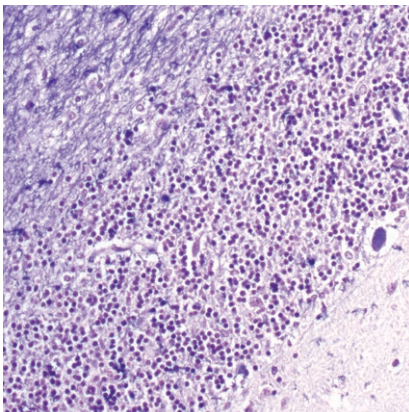
for 100 tests LDW-100T
4x100 mL LDW-K-100



LeukoGnost SPE kit

Kit for detection of specific esterase activity (Leder stain, chloroacetate esterase) on formalin-fixed, paraffin-embedded (FFPE) samples of bone marrow tissue.

for at least 100 tests LKG-SPE



Luxol Fast Blue kit

Three-reagent kit for staining myelin and myelinated axons, Nissl bodies and phospholipids according to Kluver-Barrera. Kit is used for identifying the basic neuronal brain structure or spinal cord sections.

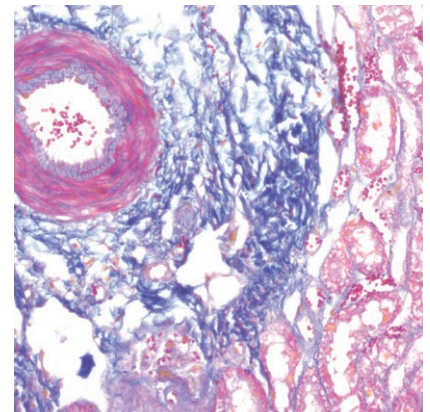
for 100 tests LFB-100T
3x100 mL LFB-K-100



M.I.F. kit

Two-reagent Merthiolate-Iodine-Formalin kit for fixing and staining fecal parasites (especially protozoae, cysts, helminth eggs and larvae). Stool sample is fixed with formalin and stained with two coloring agents; iodine and Eosin Y.

for 100 tests MIF-100T
for 200 tests MIF-200T



Mallory Trichrome kit

Three-reagent staining kit for connective tissue visualization and detection of collagen, cartilage, muscle, elastic fibers, mucous, pituitary cells, reticulum, bones, amyloid and erythrocytes.

for 100 tests MT-100T
3x100 mL MT-K-100



for 100 tests	MSB-100T
6x100 mL + 1x250 mL	MSB-K-100



for 100 tests	MF-100T
9x100 mL	MF-K-100
9x500 mL	MF-K-500



for 100 tests	MGT-100T
7x100 mL	MGT-K-100
7x500 mL	MGT-K-500



for 100 tests	MST-100T
7x100 mL	MST-K-100
7x500 mL	MST-K-500

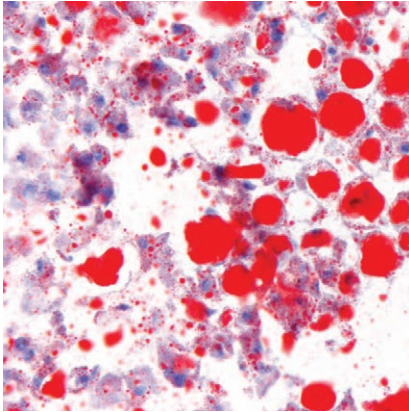


for 100 tests	MOV-100T
11x100 mL	MOV-K-100



for 100 tests	MUC-100T
5x100 mL	MUC-K-100

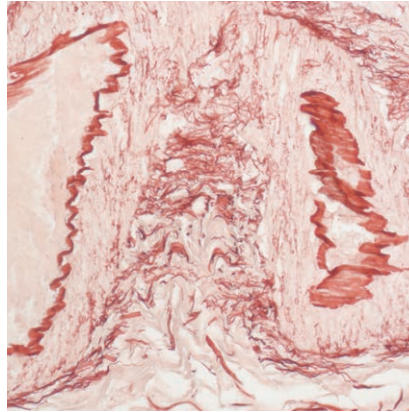




Oil Red O kit

Four-reagent kit for selective staining and detection of fat cells and neutral fats according to Johnson. Can be used with frozen sections and fresh smears to detect obesity-linked pathologies such as dyslipidemia and diabetes.

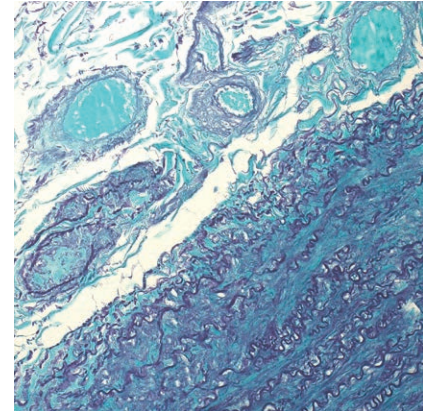
for 100 tests ORO-100T
4x250 mL ORO-K-250



Orcein kit

Five-reagent kit 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. Can be used with frozen sections.

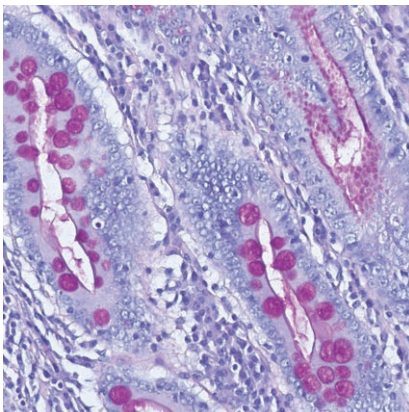
for 100 tests ORC-100T
5x250 mL ORC-K-250



Paraldehyde Fuchsin kit

Seven-reagent kit according to Gomori for detecting pathological changes in elastic fibers. It also stains mast cell granules, beta granules in pancreatic islets, neurosecretory material, mast cell granules and beta cells in the pituitary gland.

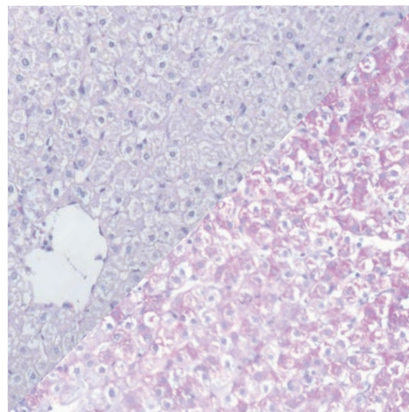
for 100 tests PAF-100T
9x100 mL PAF-K-100



P.A.S. kit

Five-reagent Periodic Acid-Schiff kit for staining aldehydes, mucopolysaccharides, mucoproteins and lymphocytes according to Hotchkiss-McManus. P.A.S. staining may also be used for the demonstration of fungal organisms in tissue sections.

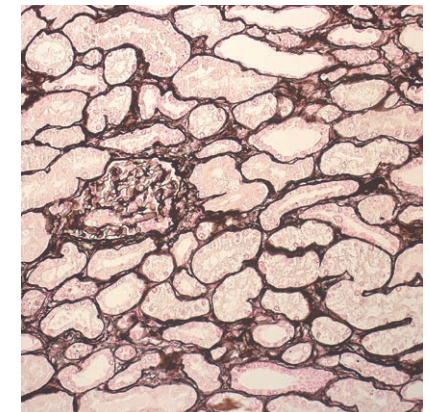
for 100 tests **PAS5-100T**
5x100 mL PAS5-K-100
5x500 mL PAS5-K-500



P.A.S. Diastase kit

Five-reagent kit for detecting glycogen and mucopolysaccharide structures mostly in liver. The diastase digestion procedure, followed by P.A.S. staining, is useful in the evaluation of glycogen storage disease.

for 100 tests PDIA-100T

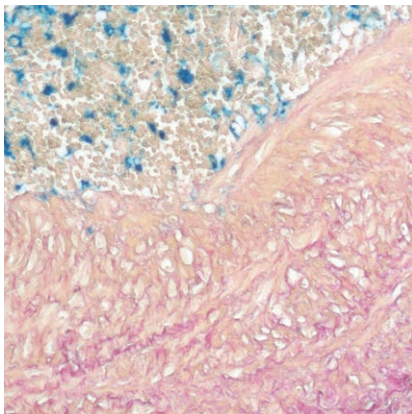


P.A.S.M. / Jones kit, stabilized

Seven-reagent Periodic Acid Silver Methenamine kit for staining kidney glomerular basement membranes. Kit includes red counterstain which provides visually rich contrast to target structures stained black.

for 100 tests PASM-100T
300-350 tests PASM-K-100

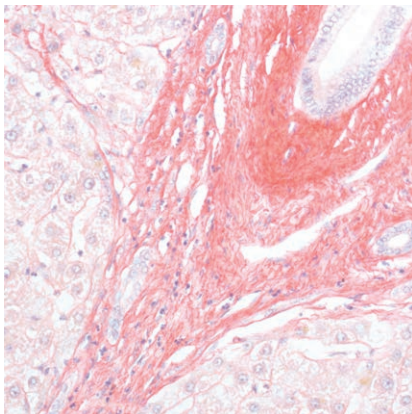
Stable at room temperature



Perls-Van Gieson kit

Three-reagent kit for the detection of reactive ferric (Fe³⁺) ions in cells (Prussian blue/Berlin blue reaction) with Fuchsin Acid Van Gieson counterstain to differentiate collagen from connective tissue

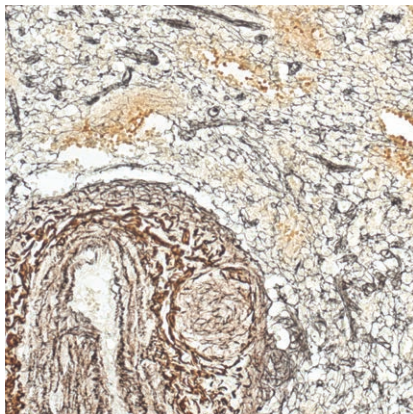
for 100 tests PEG-100T
3x100 mL PEG-K-100



Picro-Sirius Red kit

Three-reagent kit for collagen staining and visualization in histology. Contains Sirius Red dye which enhances collagen birefringence so it can easily be identified by observing the section under polarized light.

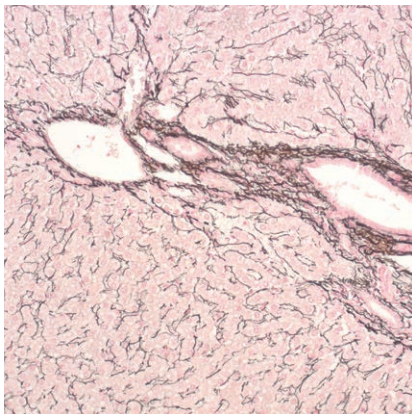
for 100 tests PSR-100T



Reticulin kit

Seven-reagent kit for detecting argyrophilic reticulin fibers. It clearly differentiates between collagen and reticulin and nerve fibers and connective tissue. The main function of reticular fibers is to provide support and are normally found in liver, lymph nodes, spleen and kidneys.

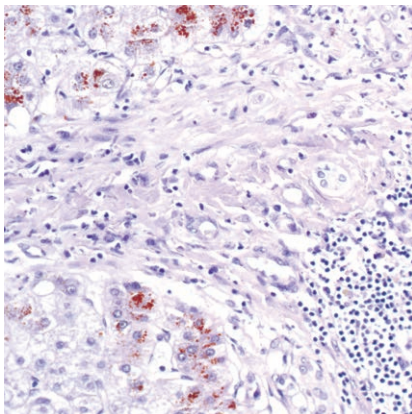
for 100 tests RE-100T
7x50 mL **RE-K-50**
7x100 mL RE-K-100



Reticulin Contrast kit

Nine-reagent kit for detecting argyrophilic reticulin fibers according to Gordon and Sweets. The kit contains gold chloride solution that enhances visualization of reticulin fibers and it also contains Nuclear Fast Red (Kernechtrot) reagent that enables fine contrasting background.

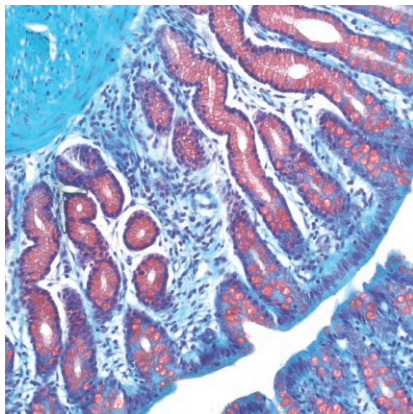
for 100 tests RET-100T
9x50 mL RET-K-50
9x100 mL RET-K-100



Rhodanine kit

Four-reagent kit for detecting copper and copper-associated protein (CAP) in patients suffering from Wilson's disease. Abnormal copper accumulations are predominately found in liver tissue, but can also be found in the brain and cornea.

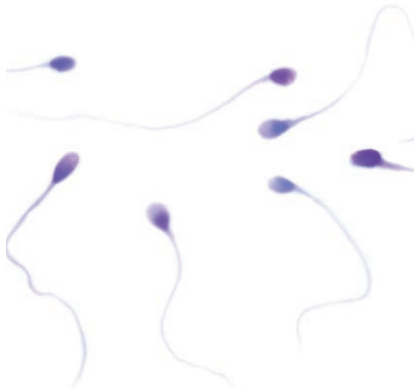
for 100 tests ROD-100T
5x100 mL ROD-K-100



Safranin O kit

Four-reagent kit for identification of cartilage, mucins and mastocyte granules used in histology and cytology.

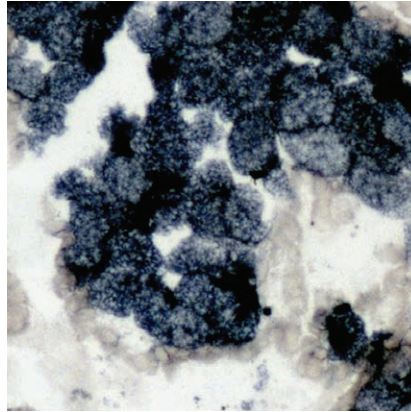
for 100 tests SAFO-100T
4x100 mL SAFO-K-100



Sperm-Diff RTU 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.

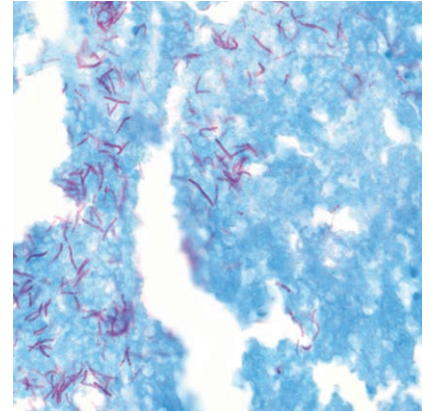
3x100 mL SP-RTU-100



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.

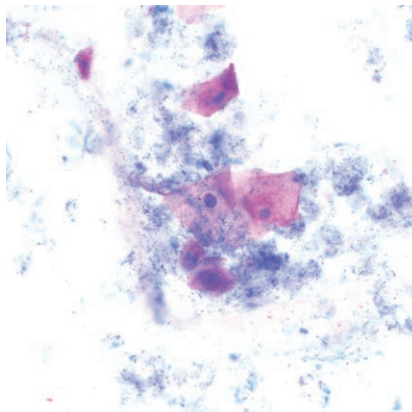
for 100 tests SBB-100T
6x100 mL SBB-K-100



TB-Stain Histo kit

Three-reagent kit for staining acid-fast bacteria (pathogenic mycobacteria) in histology sections, sputum, smears and culture smears according to Ziehl-Neelsen. Heating of the carbol-fuchsin solution is avoided in this protocol hence the release of hazardous phenolic vapors is omitted.

for 100 tests TBHK-100T



UriGnost S kit

Kit for sampling, staining, and microscopic analysis of urine sediment. Contains modified reagent according to Sternheimer (reagent manufactured according to the European Confederation of Laboratory Medicine (ECLM) and all the necessary equipment for sampling, concentrating, staining, and counting cells and kidney cylinders, as well as urine sediment analysis (test tubes with retentive bottom, Eppendorf 200 µL pipette tips and urine plates).

for 500 tests USK-500

* for more information, see page 57

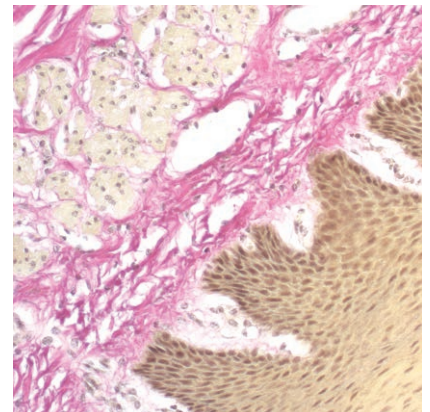


UriGnost SM kit

Kit for sampling, staining and microscopic analysis of urine sediments. Contains modified reagent according to Sternheimer-Malbin and equipment required for sampling, concentration, staining, counting of kidney cells and kidney cylinders and urine sediment analysis (test tubes with retentive bottom, Eppendorf 200 µL pipette tips and urine plates).

for 500 tests USMK-500

* for more information, see page 57

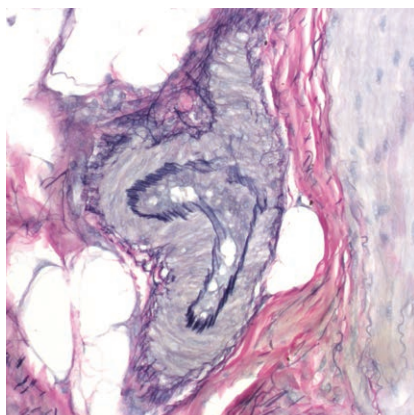


Van Gieson Trichrome kit

Three-reagent kit for staining collagen fibers, muscle tissue, keratinized epithelium, cytoplasm, glial fibers and erythrocytes. Used for differentiation between collagen and smooth fibers in tumors and various other diseases.

for 100 tests VG-100T
3x100 mL VG-K-100
3x500 mL VG-K-500

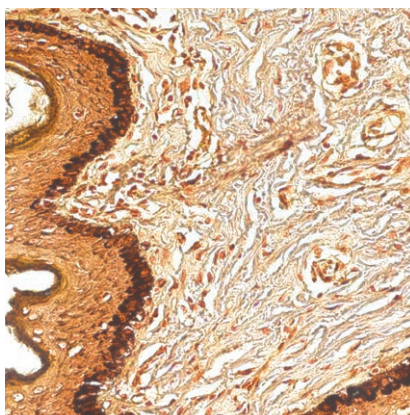




Verhoeff kit

Six-reagent kit for detecting atrophy of elastic tissue in cases of emphysema, thinning and loss of elastic fibers in arteriosclerosis and other vascular diseases, or whether blood vessels have been invaded by a tumor.

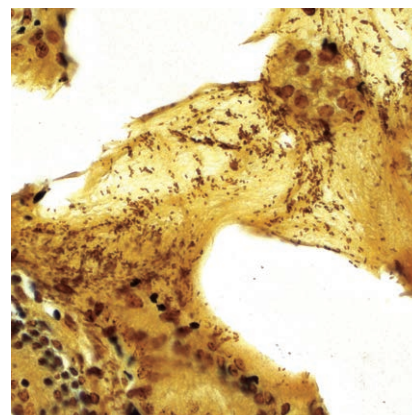
for 100 tests VER-100T
6x100 mL VER-K-100



Von Kossa kit

Five-reagent kit for simple and reproducible detection of calcium deposits and calcium salt in tissue samples according to Von Kossa. Tissue calcification is associated with metabolic problems in various tissues (like bone marrow and mamma) and in tumors.

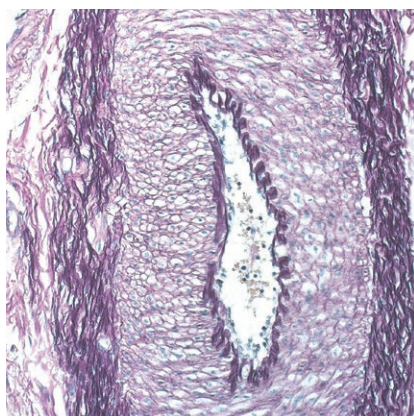
for 100 tests VK-100T
5x100 mL VK-K-100



Warthin Starry kit

Five-reagent kit for staining *Spirochaeta* spp., *Helicobacter pylori*, *Microsporidia* spp. and *Legionella pneumophila*. 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. The bacteria are found in the mucus of the surface epithelium, in the apical gastric glands and in the gastric mucosa.

up to 48 tests WS-12T



Weigert-Van Gieson kit

Six-reagent kit for staining elastic fibers with prolonged incubation period. Used for differentiation between elastic tissue, collagen and other types of connective tissue.

for 100 tests WVG-100T
6x100 mL WVG-K-100





Additional staining reagents and solutions

Solutions and reagents (buffers, special stains, developer solutions and reagents for differentiation or counterstaining) that are either standalone reagents or components of special staining kits.

Staining reagents and solutions

4% Formaldehyde, alcoholic solution

For use with Reticulin and Reticulin Contrast staining kits.

100 mL	F4A-OT-100
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Acetic buffer, Grimelius

For use with Grimelius kit

100 mL	APG-OT-100
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Acid alcohols

For use with Azan Trichrome and Orcein staining kits.

Acid alcohol, Azan	100 mL	KAA-OT-100
	250 mL	KAA-OT-250

Acid alcohol, Orcein	250 mL	KAO-OT-250
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Acid solution

For preparation of impregnation solution with Warthin Starry kit.

500 mL	KOT-OT-500
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Acridine Orange solution

Acridine Orange aqueous solution is used as fluorescent dye for differential staining of DNA and RNA, acid mucins and detecting apoptosis; in cytogenetics for displaying structures containing abundant amounts of DNA. Also enables detection of microorganisms in blood smears.

100 mL	AOA-OT-100
500 mL	AOA-OT-500
1000 mL	AOA-OT-1L

A.F.O.G. reagent

For use with A.F.O.G. (Acid Fuchsin Orange G) kit.

100 mL	AFOG-OT-100
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Alcian Blue solution 1%

Alcian Blue 8GX dye 1% aqueous solution.

100 mL	AB1-OT-100
500 mL	AB1-OT-500

Alcian Blue solution pH 1.0

Reagent for staining heavily sulfated mucopolysaccharides. A component of Alcian Blue pH 1.0 kit.

100 mL	AB10-OT-100
500 mL	AB10-OT-500
1000 mL	AB10-OT-1L

Alcian Blue solution 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.

100 mL	AB2-OT-100
500 mL	AB2-OT-500
1000 mL	AB2-OT-1L

Alkaline alcohol, solution

For use with Movat kit.

100 mL	ALA-OT-100
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Additional staining reagents and solutions

Ammonium water

For use with Bielschowsky kit.

100 mL AV-OT-100

Ammonium iron sulfate, solution

For use with Reticulin and Reticulin Contrast staining kits.

100 mL ASF-OT-100

Aniline, alcoholic solution

For use with Azan Trichrome kit.

100 mL ANA-OT-100
250 mL ANA-OT-250

Aniline Blue reagent

Counterstain used with Masson Trichrome kit.

100 mL ABR-OT-100
500 mL ABR-OT-500

Aniline Blue, solution

For use with MSB kit.

100 mL ABO-OT-100

Azan reagent

For use with Azan Trichrome kit.

100 mL AZR-OT-100
250 mL AZR-OT-250

Azocarmine, solution

For use with Azan Trichrome kit.

100 mL AZ-OT-100
250 mL AZ-OT-250

Basic Activation buffer

For use with Oil Red O kit.

250 mL BAP-OT-250

Benedict's reagent

For detecting glucose in urine.

100 mL BNR-OT-100
250 mL BNR-OT-250
500 mL BNR-OT-500
1000 mL BNR-OT-1L

Biebrich Scarlet-Acid Fuchsin reagent

For use with special kits.

100 mL BSAF-OT-100
500 mL BSAF-OT-500

BioSchiff reagent

Schiff's reagent for detecting aldehydes and mucous substances. A component of several special staining kits.

100 mL BS-OT-100
500 mL BS-OT-500
1000 mL BS-OT-1L

BioSchiff Forte

Reagent for use with LeukoGnost PAS kit. Enhanced formulation of Schiff reagents for staining cytoplasm of neutrophils, monocytes, lymphocytes and basophils intensive magenta.

100 mL BSF-OT-100
500 mL BSF-OT-500

Borax, solution

For use with Grocott and P.A.S.M./Jones kits.

100 mL BO-OT-100
105 mL BO-OT-105
250 mL BO-OT-250

SCHIFF'S REAGENT
STABLE AT 22°C*



* In an unopened original packaging. Keep refrigerated after first use.

Chromotrope 2R / Aniline Blue reagent

Blue counterstain reagent, component of BioGnost's Gomori Trichrome kit.

100 mL CABR-OT-100

Chromotrope 2R / Fast Green F.C.F. reagent

Alternative green counterstain reagent, usually used with Gomori Trichrome kit.

100 mL CFG-OT-100

Colloidal Iron, stock solution

Reagent for binding ferric ions to acid mucopolysaccharides and proteoglycans.

100 mL KOL-OT-100

Congo Red Puchtler reagent

For use with Congo Red Puchtler kit.

100 mL CRPR-OT-100

Congo Red reagent

For use with Congo Red Highman kit.

100 mL CR-OT-100



Cresyl Violet, solution

For use with Luxol Fast Blue kit.

100 mL CV-OT-100

Developer stock solution

For use with Bielschowsky kit.

50 mL STR-OT-50

Differentiation reagents based on acetic acid

For use with special staining kits in histopathology.

Reagent for differentiation in Gomori Trichrome kit	100 mL	RDG-OT-100
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Acetic acid, 0.5% solution	100 mL	OK05-OT-100
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Acetic acid, 1% solution	100 mL	OK1-OT-100
	500 mL	OK1-OT-500

Acetic acid, Colloidal Iron (A) solution	250 mL	OKA-OT-250
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Acetic acid, Colloidal Iron (B) solution	100 mL	OKB-OT-100
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Differentiation reagents based on hydrochloric acid

For use with special staining kits in histopathology.

HCL reagent, A.F.O.G.	100 mL	HCLAF-OT-100
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HCL reagent, Alcian Blue	100 mL	HCLAB-OT-100
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HCL reagent, Colloidal Iron	100 mL	HCLK-OT-100
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HCL reagent, Feulgen	100 mL	HCLF-OT-100
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HCL reagent, HemoGnost Perls	100 mL	HCLH-OT-100
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HCL reagent, HemoGnost Perls	250 mL	HCLH-OT-250
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HCL reagent, P.A.S.	100 mL	HCLP-OT-100
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HCL reagent, P.A.S.	500 mL	HCLP-OT-500
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HCL reagent, Weigert-Van Gieson	100 mL	HCLW-OT-100
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Ehrlich aldehyde reagent

Reagent for detecting urobilinogen in urine.

100 mL EAR-OT-100

Eosin-nigrosin vital

Fast detection (one-step detection) of sperm vitality and visualization of dead and living sperm cells with one reagent. Simple, easy and fast method for semen analysis.

30 mL ENV-30

100 mL ENV-100

Eosin Y, isotonic solution

Aqueous solution of Eosin Y used with Eosin and nigrosin vital kit.

100 mL EIO-OT-100

ErioGnost reagent

Acid fast reagent for nuclear staining, comparable to hematoxylin staining. Ecologically acceptable synthetic replacement for hematoxylin reagents.

100 mL ERS-OT-100

500 mL ERS-OT-500

1000 mL ERS-OT-1L

Fast Green F.C.F. reagent

Counterstain used with Masson-Goldner Trichrome and Paraldehyde Fuchsin staining kits.

100 mL FGR-OT-100

500 mL FGR-OT-500

Fast Green F.C.F. contrast reagent

Counterstain used in Grocott and Feulgen staining kits.

100 mL FGKR-OT-100

Field, solution A

Blue component of Field kit.

100 mL FDA-RTU

500 mL FDA-OT-500

Field, solution B

Red component of Field kit.

100 mL FDB-RTU

500 mL FDB-OT-500

Ferri reagent, Verhoeff B

For use with Verhoeff kit.

100 mL FRV-OT-100

Ferri reagent, Weigert B

Iron(III) nitrate solution in diluted hydrochloric acid, a component of Hematoxylin W kit.

100 mL FR-OT-100

500 mL FR-OT-500

1000 mL FR-OT-1L

Fuchsin Acid reagent

For use with Mallory Trichrome kit.

100 mL FA-OT-100



Additional staining reagents and solutions

Fuchsin Acid Van Gieson reagent

For use in special staining kits.
Synonym: Picrofuchsin reagent.

100 mL FAG-OT-100

Fuchsin Basic reagent

For use in bacteriology.

100 mL FBR-OT-100
500 mL FBR-OT-500
1000 mL FBR-OT-1L

Fuchsin Basic, solution

For use with H.B.F.P. kit.

100 mL FBO-OT-100

Gelatin, gel in transport jar

For preparing developing solution with Warthin Starry staining kit.

12x8 mL GEL-128

Glutaraldehyde, 4% buffered solution

Solution used with Sudan Black B kit.

100 mL G4-OT-100

Gold chloride solutions

Aqueous solutions of gold chloride (aurichloric acid, HAuCl_4), component of many special staining kits.

Gold chloride, 0.2% solution	100 mL	ZK02-OT-100
Gold chloride, 0.6% solution	100 mL	ZK06-OT-100
Gold chloride, 1% solution	50 mL	ZK1-OT-50
Gold chloride, 2% solution	50 mL	ZK2-OT-50

Hematoxylin, Verhoeff A

For use with Verhoeff and Movat kits.

100 mL HEMV-OT-100

Hematoxylin, Weigert A

Hematoxylin solution in ethanol, component of Hematoxylin W kit.
Part of several special staining kits.

100 mL HEMA-OT-100
500 mL HEMA-OT-500
1000 mL HEMA-OT-1L

Hydroquinone, solution

For preparation of developing solution in Warthin Starry kit.

50 mL HQ-OT-50

Hydroquinone-sodium sulphite

For use with Grimelius kit

15 x 3,5 g HNS-15-35

Iodine solution, Verhoeff C

For use with Verhoeff and Movat kits.

100 mL JODV-OT-100

Iron chloride, solution

For use with Fouchet-Van Gieson kit.

100 mL FK-OT-100

Kovac indole reagent

Reagent for identification of indole-positive and indole-negative microorganisms.

100 mL KOV-OT-100

Ladewig's reagent

For use with Ladewig Trichrome kit, contains Aniline Blue, Acid Fuchsin and Orange G dyes.

100 mL LDWR-OT-100

Light Green S.F. reagent

Counterstain used with trichrome special staining kits.

100 mL LGS-OT-100

Lithium carbonate, Luxol

Lithium carbonate solution used with Luxol Fast Blue kit.

100 mL LKL-OT-100

Lithium carbonate, solution

Lithium carbonate solution used with Von-Kossa staining kit.

100 mL LK-OT-100

Lugol's solution, M.I.F.

For use with M.I.F. kit.

100 mL LUGM-OT-100

Luxol Fast Blue, solution

For use with Luxol Fast Blue kit.

100 mL LFB-OT-100

M.F. reagent

For use with M.I.F. kit.

100 mL MF-OT-100

Martius Yellow, solution

For use with MSB kit.

100 mL MAY-OT-100

Mayer's mucicarmine

For use with Mucicarmine kit.

100 mL MMU-OT-100

Metanil Yellow, solution

For use with Mucicarmine kit.

100 mL MY-OT-100



Additional staining reagents and solutions

Potassium hexacyanoferrate, solution

Potassium hexacyanoferrate (II) solution, optimally concentrated for use with HemoGnost Perls kit.

100 mL	KHC-OT-100
250 mL	KHC-OT-250

Potassium hydroxide, solution

Optimally concentrated aqueous solution of potassium hydroxide used with Congo Red Highman kit.

100 mL	KHO-OT-100
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Potassium permanganate, solutions

For use with Hematoxylin P.T.A., Masson Fontana, Orcein, Paraldehyde Fuchsin and Reticulin staining kits.

Potassium permanganate, 0.5% solution	100 mL	KP05-OT-100
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Potassium permanganate, 1% solution	250 mL	KP1-OT-250
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Propylene glycol

For use with Sudan Black B Lipid kit.

100 mL	PG-100
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Propylene glycol, 85%

For use with Sudan Black B Lipid kit.

100 mL	PG85-100
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P.T.A. - P.M.A. reagent

Reagent containing optimal concentration of phosphotungstic and phosphomolybdic acid. Used with Masson Trichrome and Masson-Goldner Trichrome staining kits.

100 mL	PPR-OT-100
500 mL	PPR-OT-500

Reagent for differentiation in Verhoeff kit

For use with Verhoeff kit.

100 mL	RDV-OT-100
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Reducing buffer, solution

For use with Von Kossa kit.

100 mL	RP-OT-100
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Resorcline Fuchsin reagent

For use with Weigert-Van Gieson kit.

100 mL	RFR-OT-100
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Rhodanine reagent

For use with Rhodanine kit.

100 mL	RR-OT-100
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Safranin O reagent

Counterstaining reagent for use in histology and cytology. Used for visualizing and staining cartilage, mucins and mastocytes in formalin-fixed and paraffin-embedded tissue samples.

100 mL	SAFO-OT-100
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Silver nitrate solutions

For use in special staining kits.

Silver ammonia solution (component of Reticulin and Reticulin Contrast staining kits) ●	100 mL	SA-OT-100
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Silver ammonia reagent (component of Von Kossa and Masson Fontana staining kits) ●	100 mL	SAR-OT-100
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Silver ammonia reagent stock solution (component of Bielschowsky staining kit) ●	100 mL	SSAR-OT-100
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Silver nitrate, 20% solution (component of Bielschowsky staining kit) ●	100 mL	SN20-OT-100
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Silver nitrate solution, stabilized (component of Grocott and P.A.S.M. / Jones, stabilized staining kits)	100 mL	SNS-OT-100
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Silver nitrate, WS solution (component of Warthin Starry staining kit) ●	100 mL	SNWS-OT-100
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Sodium acetate, solution

For use with Rhodanine kit.

100 mL	NA-OT-100
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Sodium hydroxide, solution

For use with Congo Red Puchtler kit.

30 mL	NH-OT-30
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Sodium metabisulfite solutions

Component of Alcian Blue-P.A.S., P.A.S. and Feulgen staining kits.

Sodium metabisulfite	100 mL	NM-OT-100
	500 mL	NM-OT-500

Sodium metabisulfite, solution for Feulgen	100 mL	NMF-OT-100
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Sodium tetraborate, solution

A component of Alcian Blue pH 2.5 and Alcian Blue-P.A.S. staining kits.

100 mL	NTB-OT-100
500 mL	NTB-OT-500

Sodium thiosulfate solution

Solutions are component of Grocott stabilized, Masson Fontana, P.A.S.M. / Jones, stabilized, Reticulin, Reticulin Contrast and Von Kossa staining kits.

Sodium thiosulfate, 2% solution	100 mL	NT2-OT-100
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Sodium thiosulfate, 5% solution	100 mL	NT5-OT-100
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Sudan Black B, solution

Solution for staining lipids, used with Sudan Black B lipid kit.

100 mL	SBO-OT-100
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Sudan Black B reagent

Staining reagent for use in hematology, used with Sudan Black B kit.

100 mL SBB-OT-100



Sulfosalicylic acid, 20% solution

Reagent for detecting proteins in urine.

100 mL SSK-OT-100

Sulfuric acid solutions

Used with Orcein, Paraldehyde Fuchsin and Reticulin staining kits.

Sulfuric acid, 0.3% solution 250 mL SK03-OT-250

Sulfuric acid, 0.5% solution 100 mL SK05-OT-100

Sulfuric acid, 3% solution 100 mL SK3-OT-100

Trichloroacetic acid, solution

For use with Fouchet-Van Gieson kit.

100 mL TKO-OT-100



Toluidine Blue, solution

Solution for nuclear staining and metachromatic staining of mastocytes in connective tissue.

100 mL TB-OT-100

250 mL TB-OT-250

UriGnost S reagent

Modification according to Sternheimer for staining and microscopical analysis of urine sediment. A component of UriGnost S kit.

UriGnost S reagent 50 mL UGS-500

UriGnost S reagent 100 mL UGS-1000

for 1000 tests
* for more information, see page 49

UriGnost SM reagent

Modification according to Sternheimer-Malbin for staining and microscopical analysis of urine sediment. A component of UriGnost SM kit.

UriGnost SM reagent 50 mL UGSM-500

UriGnost SM reagent 100 mL UGSM-1000

for 1000 tests
* for more information, see page 49





Powder dyes and stains

In addition to ready-to-use reagents, powder dyes and stains used for preparation of staining solutions according to individual preferences are also available.

Acridine Orange, C.I. 46005

Basic Orange 14. For staining acid mucopolysaccharides, apoptosis detection, differential staining of RNA and DNA.

25 g	AO-P-25
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Alcian Blue 8 GX, C.I. 74240

Ingrain Blue 1, BSC certified. For staining acid mucopolysaccharides according to Scott, Mowry and Dorling.

5 g	CA8GX-P-5
10 g	CA8GX-P-10
25 g	CA8GX-P-25

Alcian Green

Ingrain Green 2. For staining cartilage, sulfated and carboxylated mucopolysaccharides.

10 g	ALG-P-10
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Alcian Yellow, C.I. 12840

Ingrain Yellow 1. Used for distinguishing types of glycosaminoglycans and for detection of neurosecretory material.

10 g	AY-P-10
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Amido Black 10B, C.I. 20470

Naphthol blue black, Acid Black 1. For collagen staining according to Van Gieson trichrome and for hemoglobin and hemosiderin staining according to Puchtler-Swear.

10 g	AMB-P-10
25 g	AMB-P-25

Aniline Blue, C.I. 42780

Methyl Blue, Cotton Blue, Ink Blue, China blue, Acid Blue 93, BSC certified. For staining connective tissue using Mallory and Gomori trichrome methods.

25 g	CAB-P-25
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Auramine O, C.I. 41000

Basic Yellow 2, BSC certified stain. For staining acid-fast bacteria.

25 g	AU-P-25
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Azocarmine G, C.I. 50085

Rosinduline. For staining according to AZAN trichrome method according to Heidenhain.

5 g	AZC-P-5
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Azophloxine, C.I. 18050

Red 2G, Acid red 1. For staining according to Masson trichrome methods (used instead of red Biebrich Scarlet and Fuchsin Acid stains).

5 g	AZO-P-5
25 g	AZO-P-25

Azure A, C.I. 52005

Methylene Azure. For metachromatic staining of mast cells.

25 g	AA-P-25
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Azure B, C.I. 52010

Azure I. For preparation of Romanowsky stains, for staining nuclei or nuclear components.

25 g	AZB-P-25
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Azure C, C.I. 52002

Azure C blue. For staining cell nuclei and nuclear components, such as DNA.

25 g	AC-P-25
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Azure II

Azure II. For preparation of Romanowsky stains, made by mixing Azure B and Methylene Blue stains.

25 g	A2-P-25
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Azure II Eosinate

Azure II eosinate. For preparation of Romanowsky stains, made by mixing equal ratios of Azure B, Methylene Blue and Eosin Y stains.

25 g	A2E-P-25
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Biebrich Scarlet, C.I. 26905

Croceine Scarlet, Ponceau B, Ponceau BS, BSC certified stain. For Masson trichrome staining and a component of Shorr's solution.

25 g	BS-P-25
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Bismarck Brown Y, C.I. 21000

Bismarck Brown Y, Vesuvine BA, BSC certified. For use in histopathology and cytology.

25 g	BB-P-25
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Brilliant Cresyl Blue, C.I. 51010

For use in hematology (for reticulocyte staining) and histology (for acid mucopolysaccharides).

10 g	BCB-P-10
25 g	BCB-P-25

Brilliant Green Certified, C.I. 42040

Malachite Green G, Basic Green 1, Emerald Green. For bacteriostatic use.

25 g	BG-P-25
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Carmine, C.I. 75470

Natural Red 4, Cochineal, Nacaral, carminic acid and aluminum compound. For staining mucins and glycogens.

5 g	CAR-P-5
10 g	CAR-P-10
25 g	CAR-P-25

Carminic acid, C.I. 75470

Natural Red 4. For staining mucines and glycogen.

5 g	CARA-P-5
10 g	CARA-P-10
25 g	CARA-P-25

Celestine Blue, C.I. 51050

Celestine blue B, Mordant blue 14. For staining nuclei dark blue, used as hematoxylin substitute.

10 g	CB-P-10
25 g	CB-P-25

Chromotrope 2R, C.I. 16570

Acid Red 29, Mordant Blue 80. For counterstaining cytoplasm in histopathology used as eosin substitute in HE staining and in trichrome stains.

25 g	C2R-P-25
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Congo Red, C.I. 22120

Direct Red 28, Kongorot, BSC certified stain. For staining of amyloids according to Highman and Puchtler and for elastic fiber staining.

25 g	CR-P-25
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Cresyl Violet Acetate Certified

Cresyl Violet, Oxazine 9, Cresyl Echt Violet. For use in microbiology and histology.

25 g	CVA-P-25
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Crystal Violet, C.I. 42555

Gentian Violet, Methyl Violet 10B, BSC certified stain. For bacterial staining according to Gram.

25 g	CRV-P-25
50 g	CRV-P-50

Eosin B, C.I. 45400

Eosin B, Eosin Bluish, Imperial Red, Acid Red 91, BSC certified. For staining according to Romanowsky. Used for staining red blood cells, connective tissues and as counterstain for the Gram stain.

25 g	EB-P-25
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Eosin Y, C.I. 45380

Eosin Yellowish, Acid Red 87, Eosin WS, BSC certified stain. Counterstain for hematoxylin and for preparing EA Pap stains and polychromatic hematological stains.

25 g	EOY-P-25
100 g	EOY-P-100
500 g	EOY-P-500

Eriochrome Cyanine R, C.I. 43820

Mordant Blue 3, Chromoxane Cyanine R. For use in cytology and histology.

25 g	ECR-P-25
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Fast Green F.C.F., C.I. 42053

Food Green 3, Solid Green F.C.F, 1724 Green, BSC certified stain. For trichrome staining according to Gomori and Masson.

25 g	FG-P-25
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Fuchsin Acid, C.I. 42685

Acid fuchsine, Acid Violet 19, BSC certified stain. For staining connective tissue according to Van Gieson and Mallory.

25 g	FA-P-25
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Fuchsin Basic, C.I. 42510

Basic fuchsine, Basic Violet 14, BSC certified stain. For staining mucins, Negri bodies and acid-fast bacteria.

25 g	FB-P-25
100 g	FB-P-100

Fuchsin Basic - Schiff, C.I. 42500

Pararosaniline HCl, Basic Red 9, BSC certified stain. Used for P.A.S. (Periodic Acid Schiff) staining, DNA staining according to Feulgen and acid-fast bacteria staining.

25 g	FBS-P-25
50 g	FBS-P-50

Gentian Violet, C.I. 42555

Crystal Violet, Methyl Violet 10B, BSC certified stain. For bacterial staining according to Gram.

25 g	GV-P-25
100 g	GV-P-100

Giemsa

BSC certified stain. Romanowsky dye for staining according to Pappenheim. Polychromatic dye used for identification of chromosomal damage and as a differentiating stain.

25 g	G-P-25
50 g	G-P-50



Powder dyes and stains

Hematoxylin, C.I. 75290

Natural Black 1, BSC certified stain. For preparing nuclear staining reagents.

25 g	H-P-25
100 g	H-P-100

Janus Green B, C.I. 11050

Diazine Green, BSC certified stain. For displaying mitochondria in living cells.

25 g	JG-P-25
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Jenner Stain

Jenner, BSC certified stain. Romanowsky polychromatic stain routinely used in hematology for staining blood smears.

25 g	JS-P-25
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Leishman Stain

Eosin-polychrome Methylene Blue. Romanowsky polychromatic dye. Used to distinguish and identify leukocytes and malaria parasites.

25 g	LS-P-25
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Light Green S.F., C.I. 42095

Acid Green 5, Pencil Green SF, BSC certified stain. For counterstaining according to Papanicolaou and Masson trichrome methods.

25 g	LG-P-25
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Luxol Fast Blue MBSN, C.I. 74180

Luxol Fast Blue, Solvent Blue 38. For use in histology.

25 g	LFB-P-25
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Malachite Green, C.I. 42000

Malachite Green Oxalate, Basic Green 4, Victoria Green, BSC certified stain. Used as counterstain in TB-Stain Cold kit.

10 g	MAG-P-10
25 g	MAG-P-25

Martius Yellow C.I. 10315

Golden Yellow, Martinsgelb, Acid yellow 24. For staining erythrocytes yellow in trichrome staining methods.

25 g	MAY-P-25
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May-Gruenwald

Polychromatic Romanowsky dye. For blood smears and bone marrow staining.

25 g	MG-P-25
50 g	MG-P-50

Metanil Yellow, C.I. 13065

Acid yellow 36. For staining cytoplasm, muscle connectors and identifying parietal cells of gastric glands.

25 g	MEY-P-25
50 g	MEY-P-50
100 g	MEY-P-100

Methyl Green, C.I. 42590

For staining nuclei green.

25 g	MGR-P-25
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Methyl Violet 2B, C.I. 42535

Basic Violet 1, BSC certified stain. For bacterial staining according to Gram.

25 g	MV2B-P-25
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Methyl Violet 10B, C.I. 42555

Gentian Violet, Crystal Violet, BSC certified stain. For bacterial staining according to Gram.

25 g	MV10B-P-25
50 g	MV10B-P-50

Methylene Blue, C.I. 52015

Basic Blue 9, BSC certified stain. Used for preparing Romanowsky polychromatic stain for staining bone marrow and as a counterstain in staining of acid-fast bacteria.

25 g	MB-P-25
100 g	MB-P-100

Methylene Green, C.I. 52020

Methylene Green, BSC certified stain. For staining nuclei green.

25 g	MEG-P-25
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Neutral Red, C.I. 50040

Basic Red 5, BSC certified stain. For supravital staining of blood cells using Neutral Red-Janus Green B method.

25 g	NR-P-25
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Nigrosine WS, C.I. 50420

Nigrosine water soluble, Nigrosine B. For use in microbiology and cytology, as negative staining.

25 g	NGR-P-25
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Nuclear Fast Red, C.I. 60760

Kernechtrot. Used for staining nuclei red by creating aluminum complex.

5 g	NF-P-5
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Oil Red O, C.I. 26125

Sudan Red 5B, BSC certified stain. For staining lipids.

25 g	ORO-P-25
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Orange II, C.I. 15510

Acid Orange 7, BSC certified stain. Used as a counterstain, as a substitute for Orange G.

25 g	O2-P-25
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Orange G, C.I. 16230

Acid Orange 10, Acid Fast Orange G, BSC certified stain. For staining keratin according to Papanicolaou, counterstain for hematoxylin.

25 g	OG-P-25
100 g	OG-P-100

Orcein, C.I. (ed.1) 1242

Natural Red 28, Orcein Synthetic. For staining elastic tissues and viral inclusion bodies of the hepatitis B surface antigen.

5 g	ORC-P-5
10 g	ORC-P-10

Phloxine B, C.I. 45410

Acid Red 92, Eosin 10B, Eosin Blue, BSC certified stain. For Methylene Blue-Phloxine staining and staining keratin and mucus according to Kreyberg.

25 g PB-P-25

Ponceau S, C.I. 27195

Acid Red 112, Fast Ponceau 2B. For use in electrophoresis.

25 g PS-P-25

Potassium permanganate

Synonym: Potassium (VII) manganate, Condy's crystals. Potassium permanganate for use in microscopy.

50 g KPH-P-50
100 g KPH-P-100

Pyronine B, C.I. 45010

Pyronine B, BSC certified stain. For bacterial, mold and RNA staining.

25 g PYB-P-25

Resorcinol, C.I. 76505

Resorcin, 1,3-benzendiol. Used for differentiation between aldoses and ketoses in Seliwanoff's test by staining ketose sugars dark red.

25 g RES-P-25

Rhodamine B, C.I. 45170

Basic Violet, Acid Red 52. For staining acid-fast bacteria.

25 g RHB-P-25

Rhodanine

DMAB-Rhodanine. For staining deposits of copper bound to proteins.

5 g RHO-P-5

Rose Bengal, C.I. 45440

Acid Red 94, BSC certified stain. For staining in microscopy and histology.

25 g RB-P-25

Safranin O, C.I. 50240

Basic Red 2, Safranin T, Phenazinium, BSC certified stain. Counterstain in the Gram method for detecting Gram-negative bacteria.

25 g SO-P-25

Sirius Red, C.I. 35780

Direct Red 80. Used for staining collagen and amyloid in histology.

25 g SR-P-25

Sudan III, C.I. 26100

Solvent Red 23, Sudan G, Fat Ponceau G, BSC certified stain. For lipid staining according to Lillie-Ashburn.

25 g S3-P-25

Sudan IV, C.I. 26105

Solvent Red 24, Scarlet Red, Biebrich Scarlet R, Fat Ponceau. For staining lipids according to Churukian's modification of Lillie-Ashburn's method.

25 g S4-P-25

Sudan Black B, C.I. 26150

Sudan Black, Solvent Black 3, Fat Black HB. For staining lipids and other hydrophobic materials.

5 g SB-P-5
10 g SB-P-10

Toluidine Blue O, C.I. 52040

Basic Blue 17, Tolonium Chloride, BSC certified stain. For staining mast cells, cartilage and Nissl bodies in the spinal cord.

25 g TB-P-25
100 g TB-P-100

Victoria Blue B, C.I. 44045

Basic Blue 26, Fat Blue B. For use in cytology and histology.

25 g VBB-P-25

Victoria Blue R, C.I. 42563

Basic Blue 8, Fat Blue 4R. For use in microbiology and histology.

25 g VBR-P-25

Water Blue, C.I. 42755

Acid Blue 22, BSC certified stain. For staining connective tissue according to Mallory and Gomori trichrome methods.

25 g WB-P-25

Wright's Stain

Colorants de Wright, BSC certified stain. Part of polychromatic Romanowsky stains commonly used in hematology.

25 g WS-P-25

Xylidine Ponceau, C.I. 16150

Ponceau 2R, Ponceau de Xylidine, BSC certified stain. For Masson trichrome staining.

25 g XP-P-25



Accessories

These slides are ideal for pathology, cytology, and special immunohistochemistry (IHC). VitroGnost Plus Ultra adhesive slide is a new generation slide with a denser and stronger positive charge on the surface to achieve even better adhesion of the sample. VitroGnost Plus Ultra adhesive slide can be used for many scientific purposes, especially with tissues difficult to fix, like breast tissue and samples of brain and skin.

Dimensions: 26x76x1 mm.

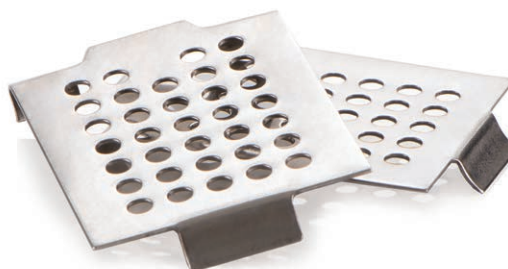
72 pcs

103001A72



Cassette embedding stainless steel lid, standard.

material	packaging	product code
INOX	1 pc	51050103



Metal histology mold

dimension	material	packaging	product code
7x7x6 mm	INOX	1 pc	51050707
15x15x6 mm	INOX	1 pc	51051515
24x24x6 mm	INOX	1 pc	51052424
30x24x6 mm	INOX	1 pc	51053024
37x24x6 mm	INOX	1 pc	51053724
65x45x15 mm	INOX	1 pc	BO07-7010

Biopsy pads for cassettes, blue

Solvent resistant biopsy pads for small sample processing.

1000 pcs	SP-1000
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Polypropylene dissecting boards

Boards for pathohistological tissue dissection made of polypropylene.

Polypropylene, white, dimensions 60x40x1.5 cm	1 pc	BC001
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Polypropylene, dark blue, dimensions 39x29.5x2.5 cm	1 pc	BC032
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Polypropylene, white, dimensions 40x30x1.5 cm	1 pc	BC061CS
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Bio/Cut H35C microtome blades for cryotome, high profile (wide). Ideal for frozen sections. Suitable for both soft and hard tissues.

50 pcs

Bio/Cut H35C

HistoBlades Duraedge blades with Teflon coating - high profile.

50 pcs

7310

Bio/Cut microtome blades manufactured in order to provide most precise sectioning.

Bio/Cut 22A microtome blades for ultra-thin sections, kidneys and lymph nodes, narrow blade

50 pcs

Bio/Cut 22A

Bio/Cut 35A microtome blades for soft and hard tissues, low profile

50 pcs

Bio/Cut 35A

Bio/Cut 35B microtome blades for soft tissues, low profile

50 pcs

Bio/Cut 35B

Bio/Cut 35N microtome blades for thin sections, low profile

50 pcs

Bio/Cut 35N

Bio/Cut 35R microtome blades for
hard tissues, low profile

50 pcs

Bio/Cut 35R

Bio/Cut 35S microtome blades for
hard tissues, low profile

50 pcs

Bio/Cut 35S

HistoBlades Duraedge blades with Teflon coating - low profile.

50 pcs

7223

Extremely sharp new generation Teflon coated blades - low profile.

50 pcs

7380



Optimal viscosity oil for microtome maintenance.

Microtome oil 50 mL	1 pc	MO-50
Microtome oil 100 mL	1 pc	MO-100



Polypropylene containers for sample transport

Container with cover for transporting histology samples and organs.

500 mL	1 pc	PK500
1000 mL	1 pc	PK1000
1200 mL	1 pc	PK1200
2500 mL	1 pc	PK2500
3750 mL	1 pc	PK3750
5000 mL	1 pc	PK5000
7000 mL	1 pc	PK7000
10000 mL	1 pc	PK10000

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Technical support

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They will provide you with any MSDS or product information required, also available on our website at www.biognost.com.

Frequently Asked Questions (FAQ) section is available on our website.



Shipping information

Shipping and handling charges are prepaid and added to the invoice. If requested, we can use your account number or carrier of your choice, and also ship on your third-party freight accounts (Incoterms 2020). Charges vary according to destination, weight and content, and are available upon request.

Our employees are trained to classify, package, mark and label products identified as dangerous goods according to ADR, IMDG and IATA to ensure safe transport.



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