

Special staining kits

High quality, efficiency, clearly distinguished tissue components and maximum usability of reagents - these all are characteristics of BioGnost's special staining kits.

The kits are easy to use and adapted to fit the user's needs.

Classification of special staining kits according to use

MUSCLE AND/OR CONNECTIVE TISSUE

A.F.O.G kit	Masson-Goldner Trichrome kit
Azan Trichrome kit	Movat kit
Elastica-Van Gieson kit	Orcein kit
Gomori Trichrome kit	Paraldehyde Fuchsin kit
H.B.F.P. kit	P.A.S.M. / Jones kit
Hematoxylin P.T.A. kit	Reticulin kit
Hematoxylin W kit	Reticulin Contrast kit
Mallory Trichrome kit	Van Gieson Trichrome kit
Martius Scarlet Blue (MSB) kit	Verhoeff kit
Masson Trichrome kit	Weigert-Van Gieson kit

FUNGI, BACTERIA AND PARASITES

Alcian Yellow Toluidine Blue kit
BioGram Histo kit
Field kit
Giemsa HP kit
Grocott kit
M.I.F. kit
TB-Stain Histo kit
Warthin Starry kit

PIGMENTS AND MINERAL DEPOSITS

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

CARBOHYDRATES

Alcian Blue - P.A.S. kit
Alcian Blue pH 1.0 kit
Alcian Blue pH 2.5 kit
Colloidal Iron kit
Congo Red Highman kit
Congo Red Puchtler kit
Mucicarmine kit
P.A.S. kit

LIPIDS

Oil Red O kit
Sudan Black B Lipid kit

CYTOLOGY

Bio-Diff RTU kit
Eosin and nigrosin vital kit
Sperm-Diff RTU kit
Sudan Black B kit
UriGnost S kit
UriGnost SM kit

CRYOSTAT

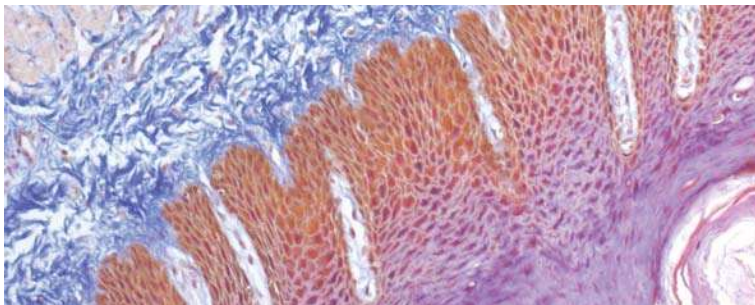
Gomori Trichrome kit
Oil Red O kit
Orcein kit
Sudan Black B Lipid kit

NUCLEI AND NUCLEIC ACIDS

Feulgen kit

CENTRAL NERVOUS SYSTEM

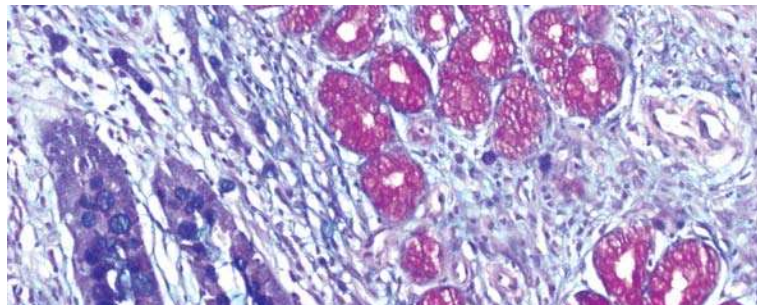
Luxol Fast Blue kit



A.F.O.G. kit

Six-reagent Acid Fuchsin 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.

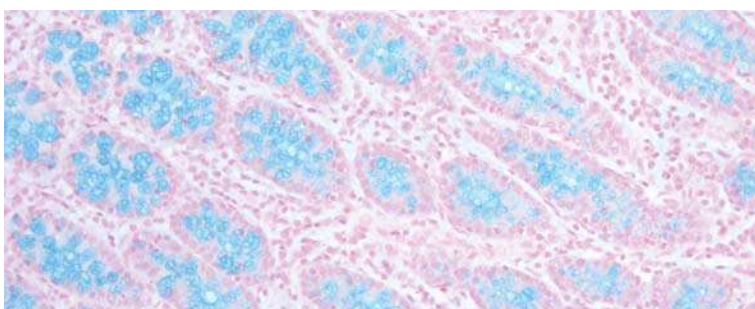
for 100 tests	AFOG-100T
6x100 mL	AFOG-K-100



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).

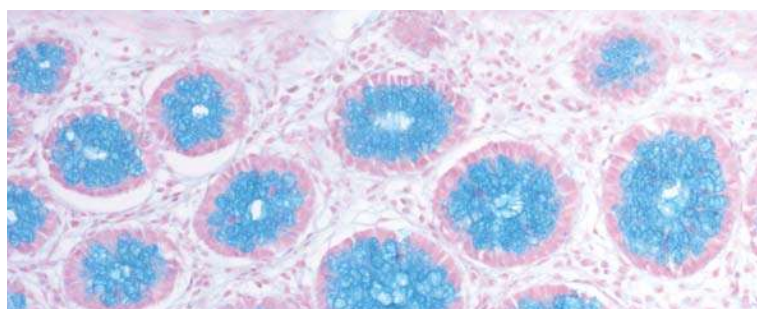
for 100 tests	AB-100T
7x100 mL	AB-K-100
7x500 mL	AB-K-500



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.

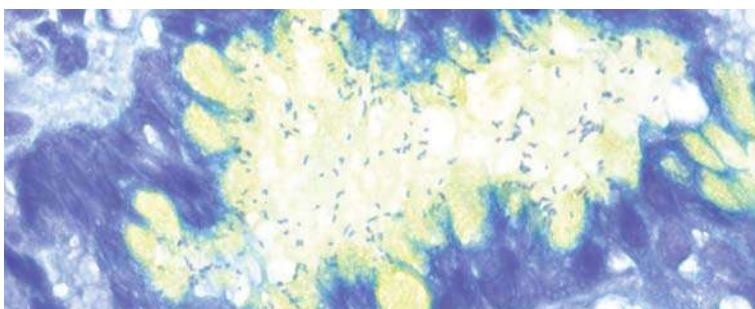
for 100 tests	AB10-100T
3x100 mL	AB10-K-100



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.

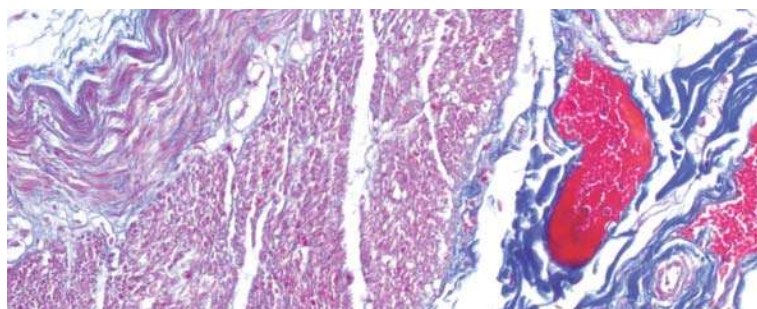
for 100 tests	AB25-100T
3x100 mL	AB25-K-100



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
---------------	-----------

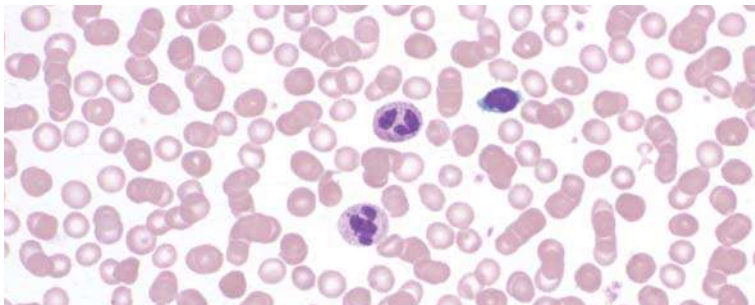


Azan Trichrome kit

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



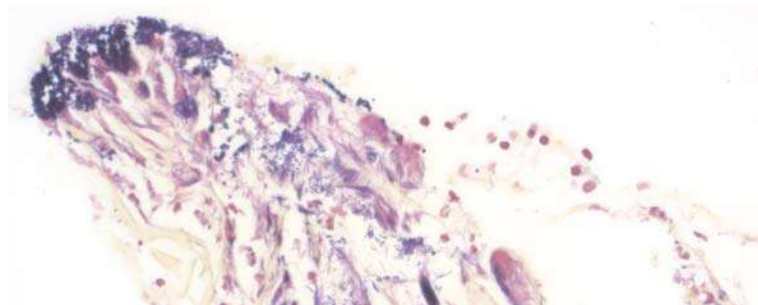


Bio-Diff RTU kit

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 and buffer tablet for consistent staining results.

3x100 mL

BD-RTU-100

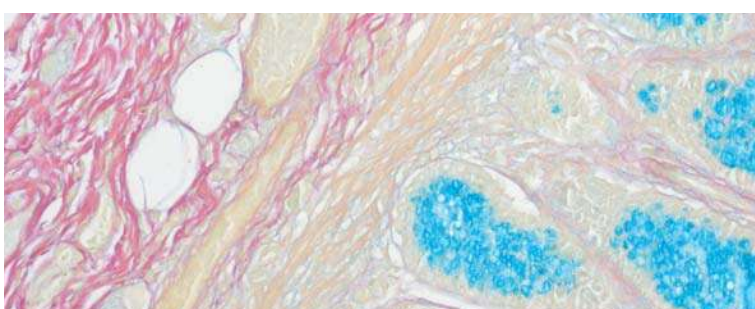


BioGram Histo kit

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

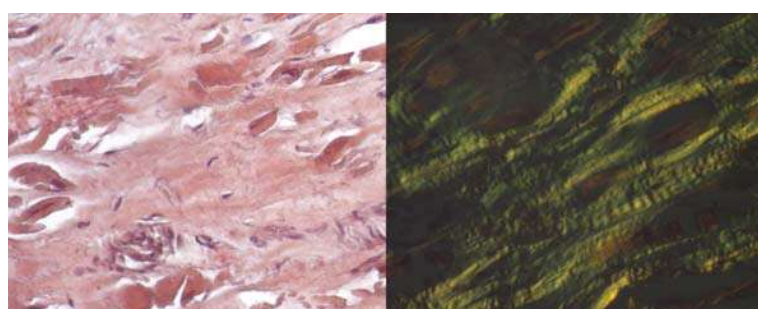


Colloidal Iron kit

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



Congo Red Highman kit

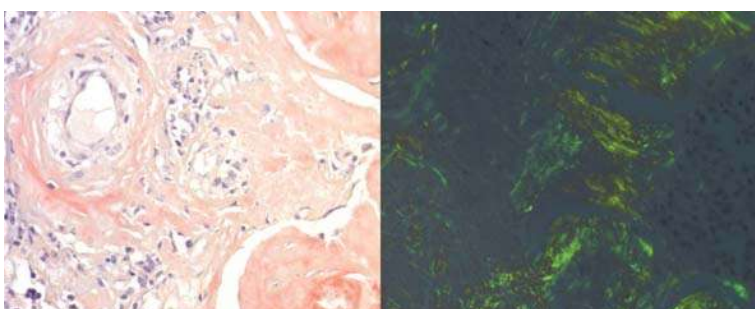
Three-reagent kit for staining amyloids, characteristic for use of alkaline solution as differentiation medium in order to avoid undesirable non-specific coloration of cellular substances. Amyloid deposits display apple green birefringence with polarized light.

for 100 tests

CR-100T

3x100 mL

CR-K-100



Congo Red Puchtler kit

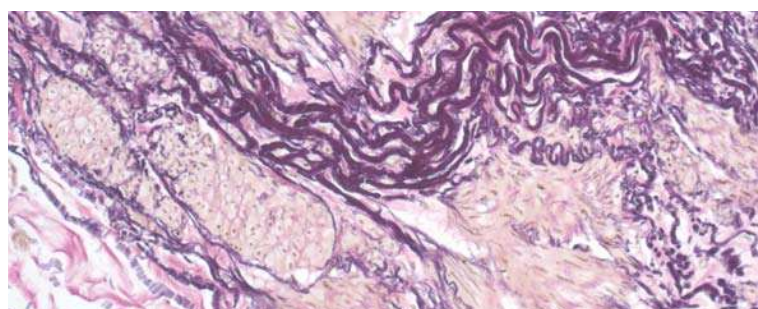
Three-reagent kit for staining amyloids, characteristic by its high ionic strength and pH enhancing specificity of Congo Red dye binding to amyloid clusters. Method developed by Puchtler remains the gold standard for amyloids in tissue sections. Amyloid clusters have the property of double refraction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

for 100 tests

CRP-100T

3x100 mL + 1x30 mL

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.

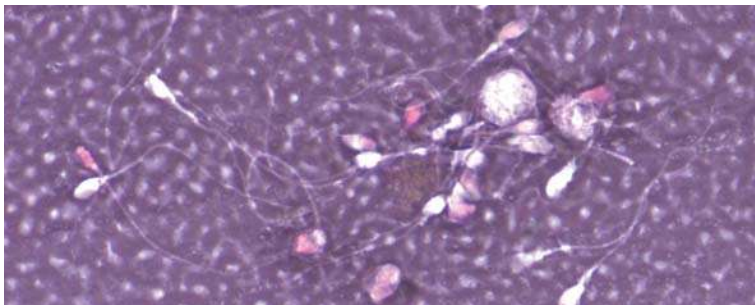
for 100 tests

WVGB-100T

4x100 mL

WVGB-K-100

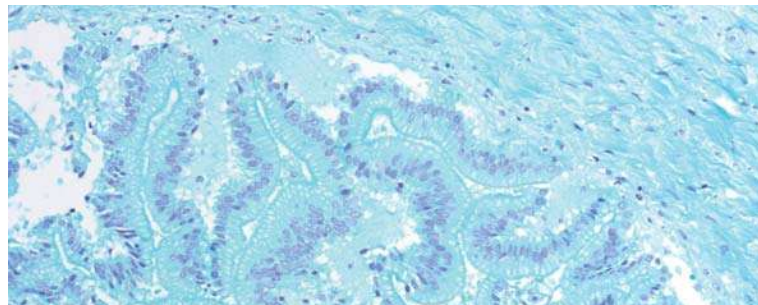




Eosin and nigrosine vital kit

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.

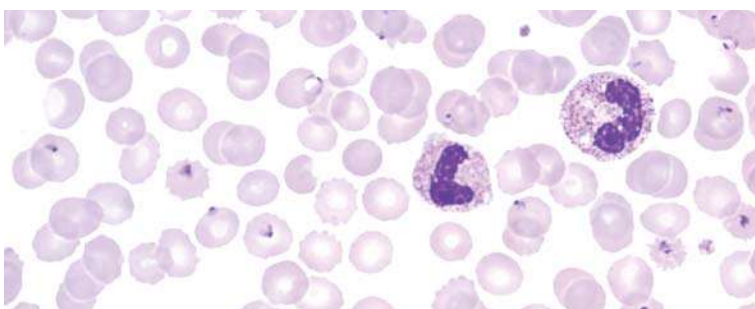
2x30 mL	ENVK-K-30
2x100 mL	ENVK-K-100



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
5x100 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.

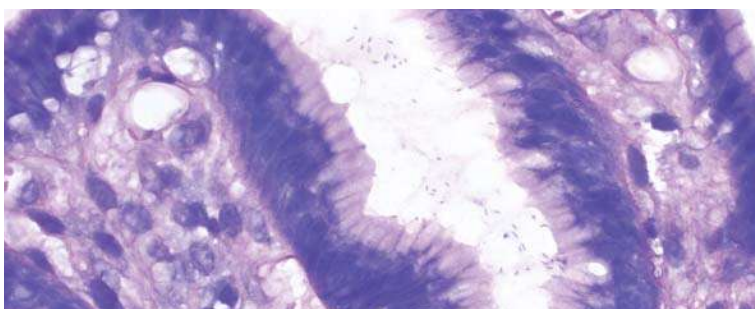
for 100 tests	FD-100T
---------------	---------



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.

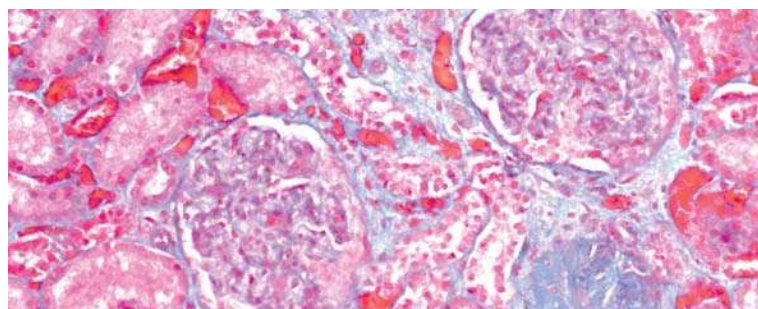
for 100 tests	FVG-100T
3x100 mL	FVG-K-100



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
---------------	-----------



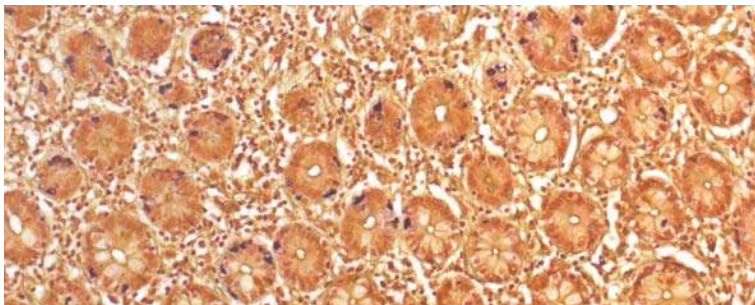
Gomori Trichrome kit

Five-reagent kit for staining muscle, collagen fibre and nuclei, contains blue counterstain. Kit can be used to contrast skeletal, cardiac or smooth muscle.

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

* Gomori Trichrome kit with green counterstain also available

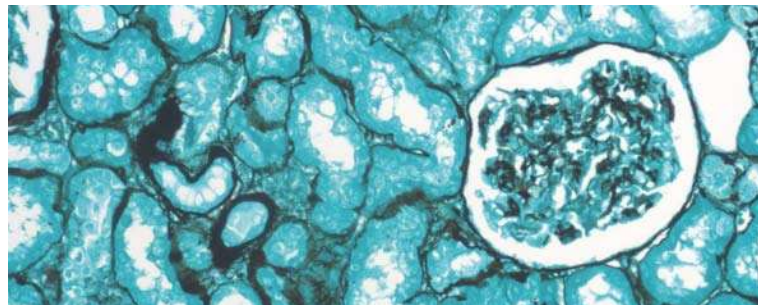




Grimelius kit

Five-reagent kit for staining argyrophilic granules. Grimelius kit can be used for the detection of secretory intracytoplasmic granules specific for carcinoid tumors and for identification of neuroendocrine cells.

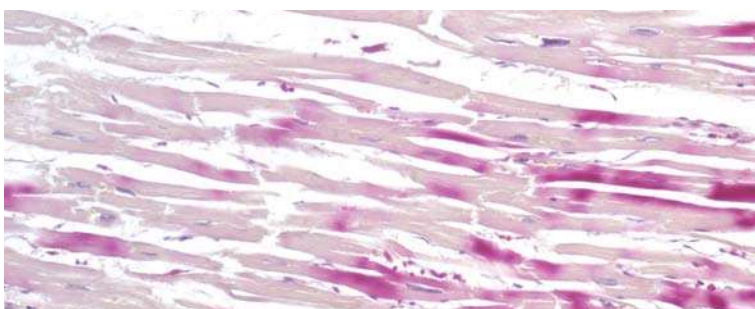
for 100 tests	GRI-100T
5x100 mL	GRI-K-100



Grocott kit

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

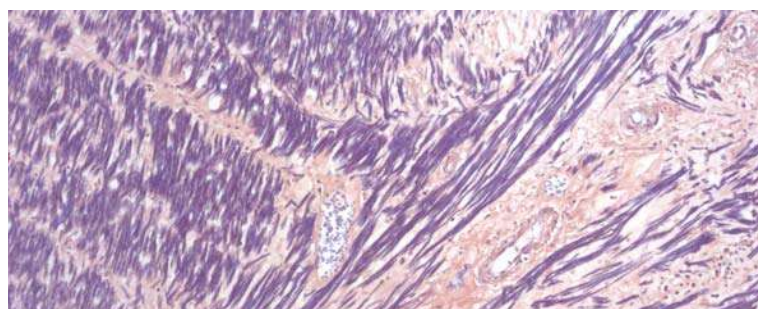
for 100 tests	GRC-100T
5x100 mL + 3x250 mL	GRC-K-100



H.B.F.P. kit

Three-reagent Hematoxylin-Basic Euchsin-Picric acid staining kit for detection of cardiac muscle changes after ischemia or myocardial infarction. H.B.F.P. kit is a non-enzymatic histochemical technique for detection of early myocardial ischemia with vivid contrast.

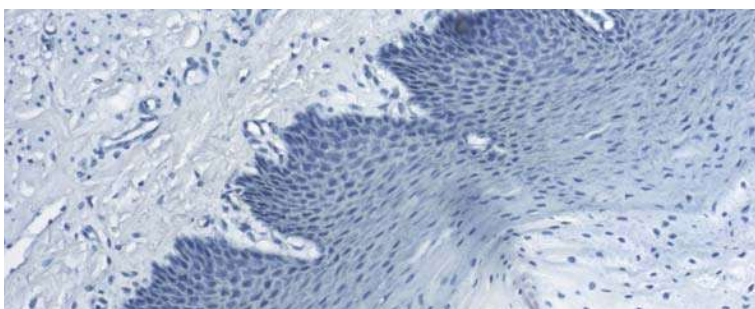
for 100 tests	HBFP-100T
3x100 mL	HBFP-K-100



Hematoxylin P.T.A. kit

Four-reagent Hematoxylin-Phosphotungstic Acid kit for differentiation of smooth and striated muscle tissues as well as for detection of fibrin, collagen and elements of central nervous system according to Mallory.

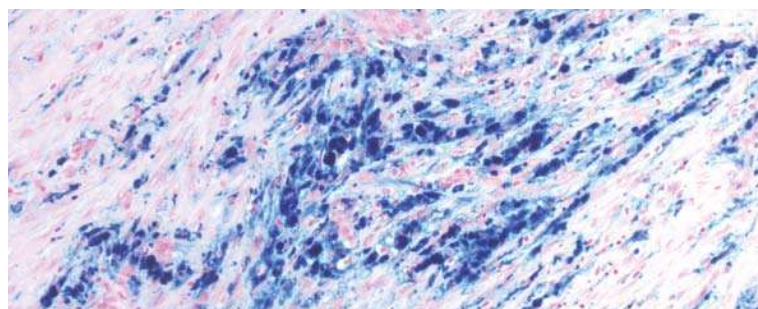
for 100 tests	HPTA-100T
4x100 mL	HPTA-K-100



Hematoxylin W kit

Acid-resistant hematoxylin according to Weigert. Two-reagent kit that stains the nuclei blue-black, often a component of special staining kits for connective tissues.

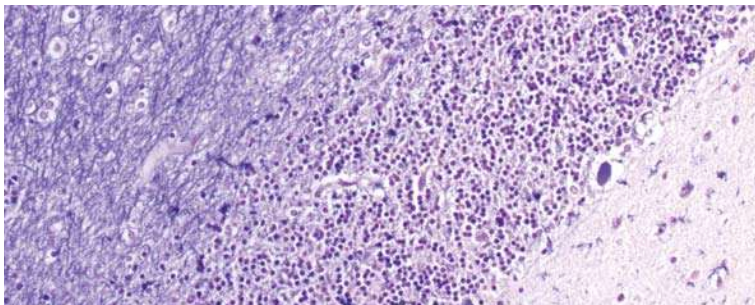
for 100 tests	HEMW-100T
2x100 mL	HEMW-K-100
2x500 mL	HEMW-K-500
2x1000 mL	HEMW-K-1L



HemoGnost Perls kit

Three-reagent HemoGnost Perls (Prussian blue / Berlin blue) kit for the detection of reactive ferric (Fe^{3+}) ions in cells. It is often applied on bone marrow and spleen cells.

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



Luxol Fast Blue kit

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

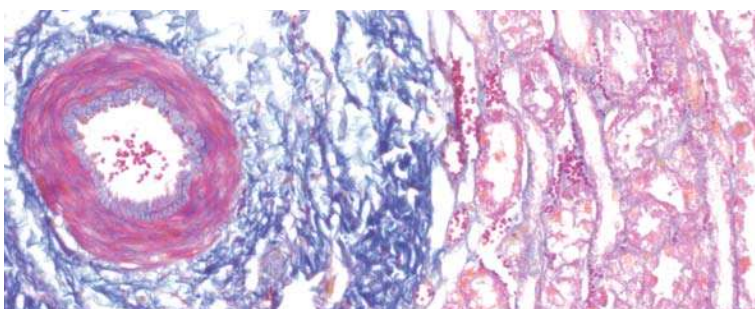
for 100 tests	LFB-100T
3x100 mL	LFB-K-100



M.I.F. kit

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

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



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



Martius Scarlet Blue (MSB) kit

Seven-reagent kit used for fibrin visualization, especially of older clusters. This method is a modification of Masson Trichrome and is ideal for studying connective tissue and vascular pathology.

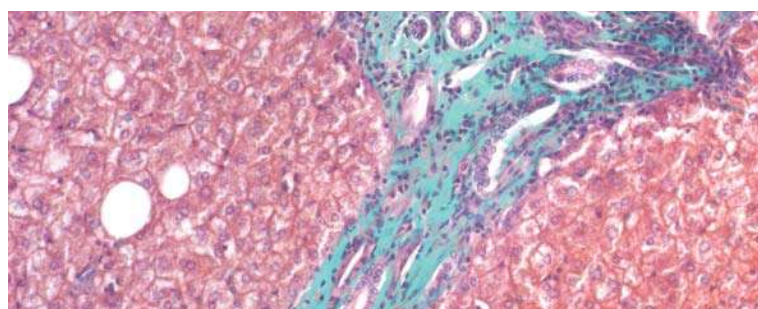
for 100 tests	MSB-100T
6x100 mL + 1x250 mL	MSB-K-100



Masson Fontana kit

Six-reagent melanine and argentaffin granule staining kit, based on the reduction of silver nitrate to elemental silver. Melanin is a brown-black pigment normally present in the hair, skin, retina, iris and certain parts of CNS. Argentaffin granules are found in carcinoid tumors.

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

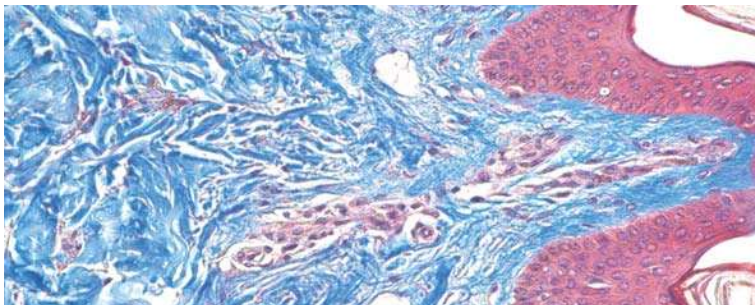


Masson-Goldner Trichrome kit

Seven-reagent kit for staining muscle and collagen fibers with green counterstain. It is also used for visualizing gametes, nuclei, neurofibrils, glial cells, keratins, intercellular fibrils and for differentiation of smooth muscle fibers and collagens.

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

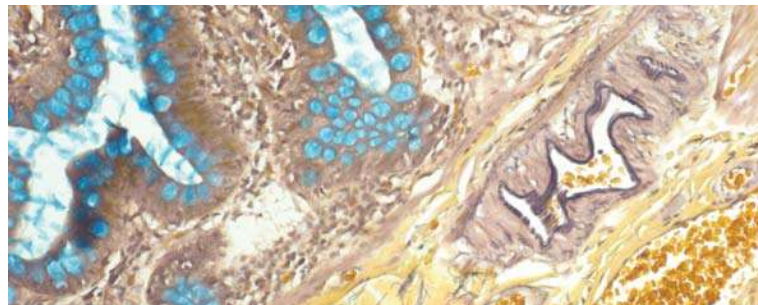




Masson Trichrome kit

Seven-reagent kit for staining muscle and collagen fibers with blue counterstain. It is also used for visualizing gametes, nuclei, neurofibrils, glial cells, keratins and intercellular fibrils. Kit may be useful for the detection of collagen from cancer smooth muscle or diseases like cirrhosis.

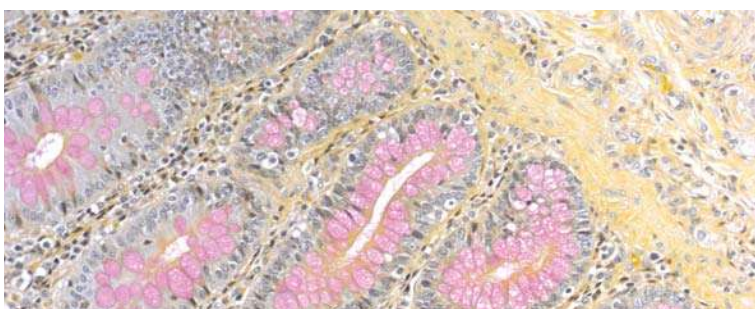
for 100 tests	MST-100T
7x100 mL	MST-K-100
7x500 mL	MST-K-500



Movat kit

Ten-reagent kit for staining collagen, elastic and muscle fibers, mucin and fibrin in tissue section. Movat kit is particularly useful when examining heart and vascular diseases.

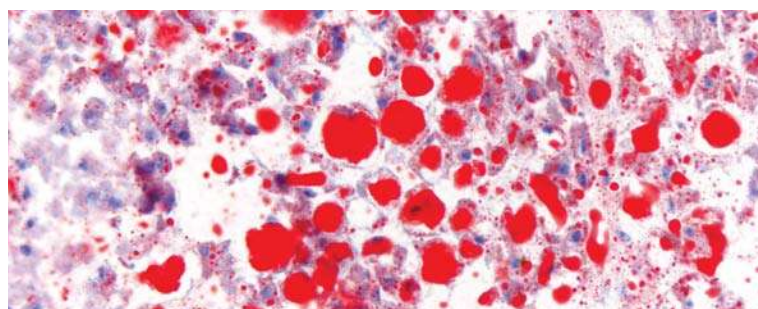
for 100 tests	MOV-100T
10x100 mL	MOV-K-100



Mucicarmine kit

Mucicarmine kit is often used to identify primary tumor sites, distinguishing mucin-negative undifferentiated squamous cell lesions from mucin-positive adenocarcinomas. It can also be used as indicative of diseases such as asthma, bronchitis, chronic obstructive pulmonary disease and cystic fibrosis.

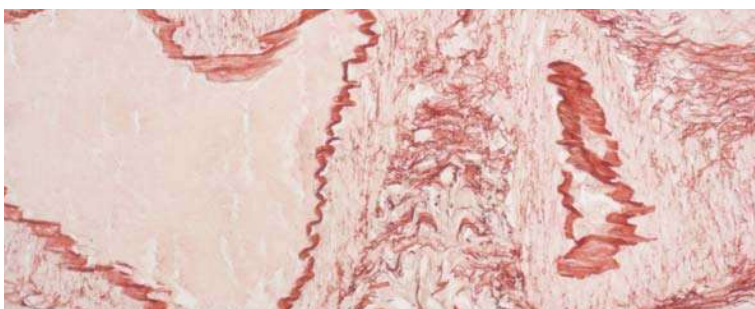
for 100 tests	MUC-100T
4x100 mL	MUC-K-100



Oil Red O kit

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

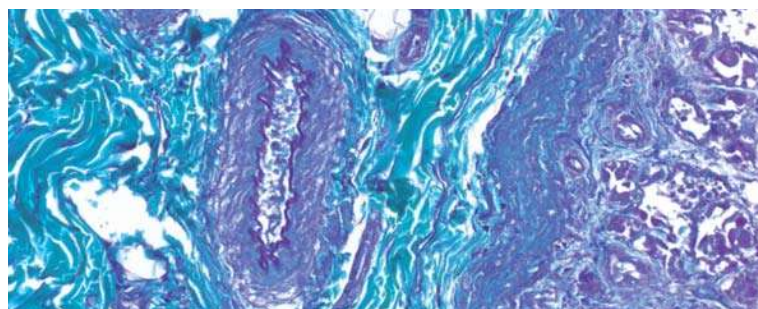
for 100 tests	ORO-100T
4x250 mL	ORO-K-250



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. It can be used with frozen sections.

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

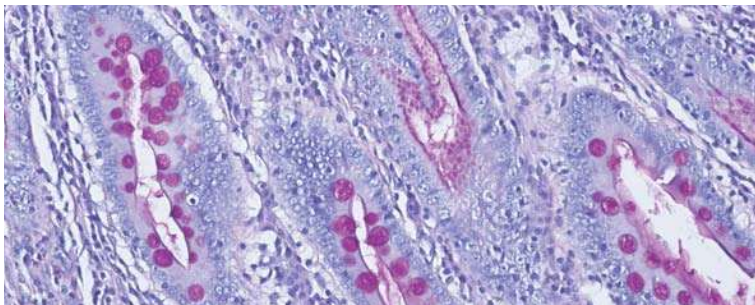


Paraldehyde Fuchsin kit

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

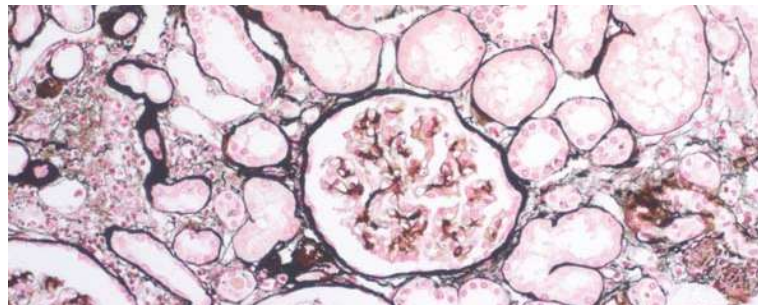




P.A.S. kit

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.

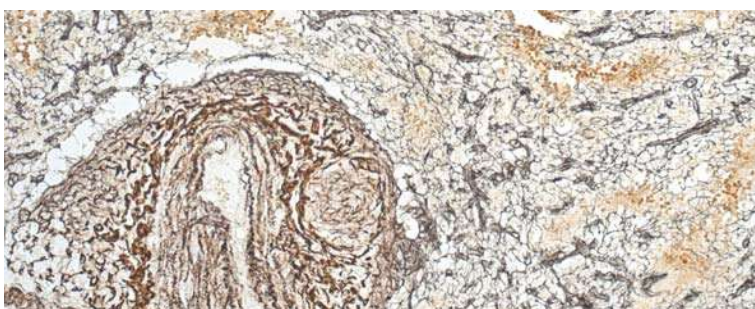
for 100 tests	PAS5-100T
5x100 mL	PAS5-K-100
5x500 mL	PAS5-K-500



P.A.S.M. / Jones kit

Six-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.

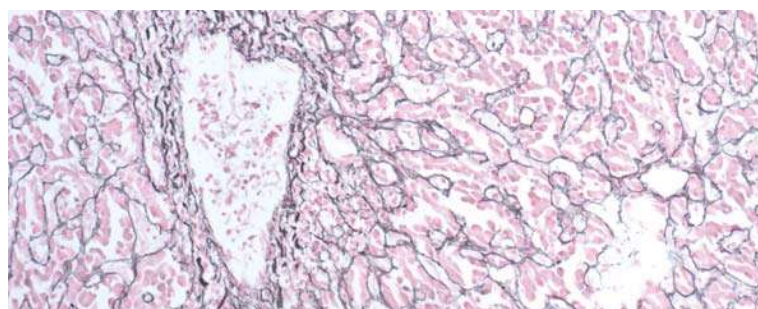
for 100 tests	PASM-100T
5x100 mL + 3x250 mL	PASM-K-100



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.

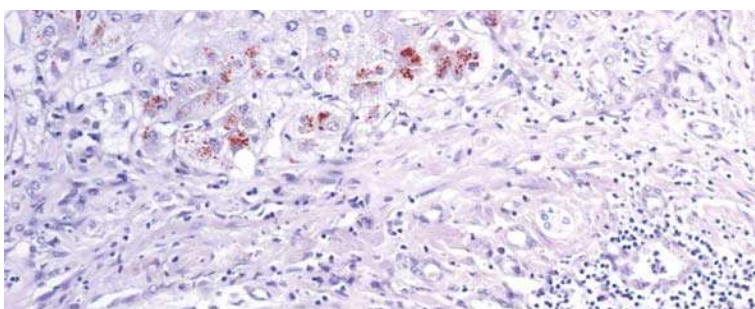
for 100 tests	RE-100T
7x50 mL	RE-K-50
7x100 mL	RE-K-100



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.

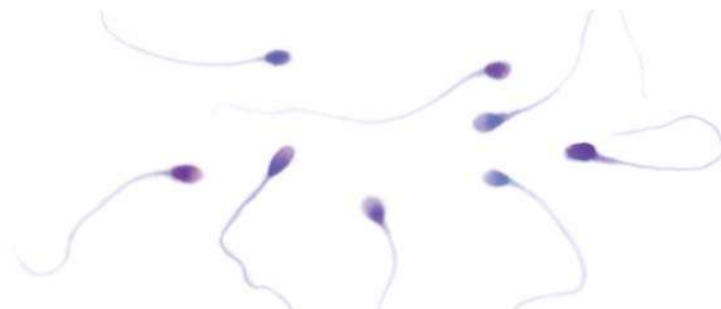
for 100 tests	RET-100T
9x50 mL	RET-K-50
9x100 mL	RET-K-100



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 of the eyes.

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

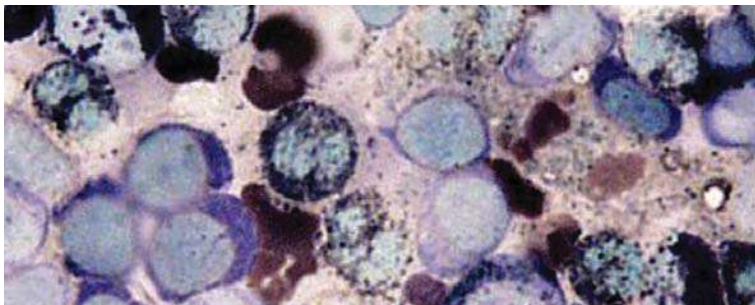


Sperm-Diff RTU kit

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
----------	------------

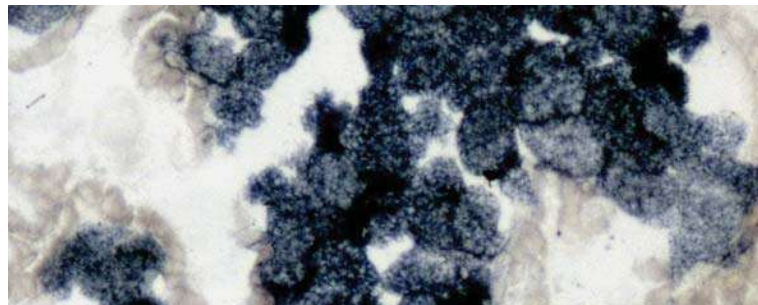




Sudan Black B kit

Four-reagent kit for staining neutrophil granules in hematological smears (blood or bone marrow films). Used as one of the methods for detecting myelocytic and myelomonocytic leukemia.

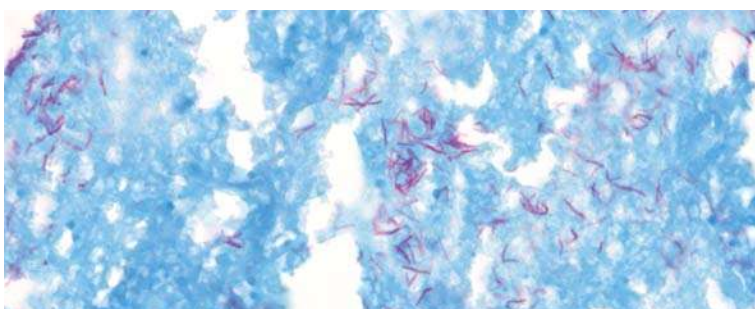
for 350-400 tests SBBH-K-100



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.

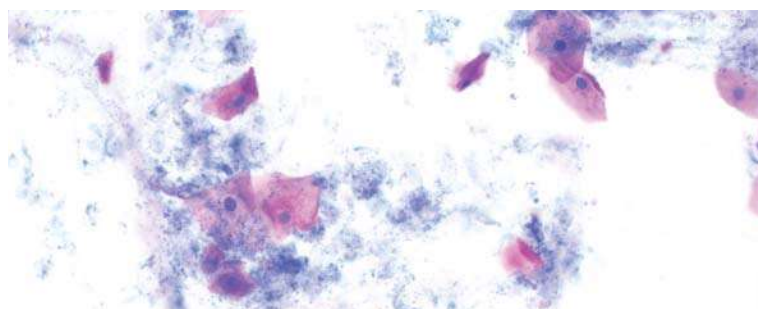
for 100 tests SBB-100T
5x100 mL SBB-K-100



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.

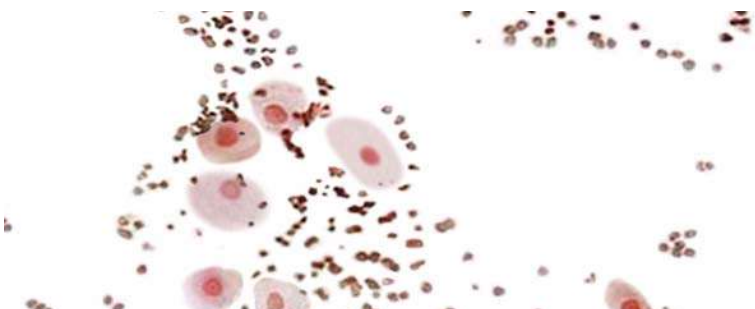
for 100 tests TBHK-100T



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).

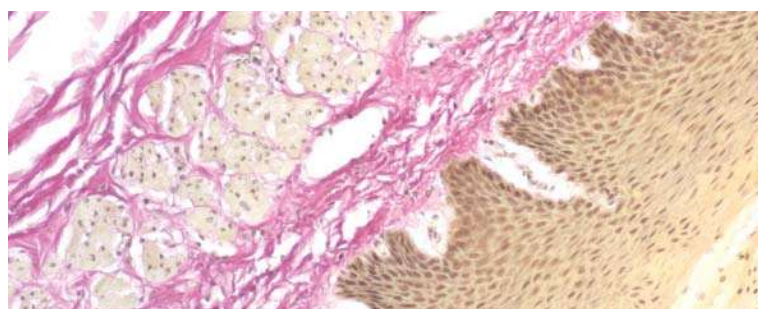
for 500 tests USK-500
* for more information, see pages 57 and 75



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 pages 57 and 76

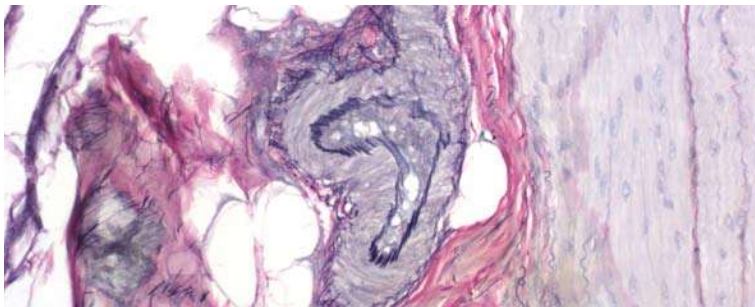


Van Gieson Trichrome kit

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

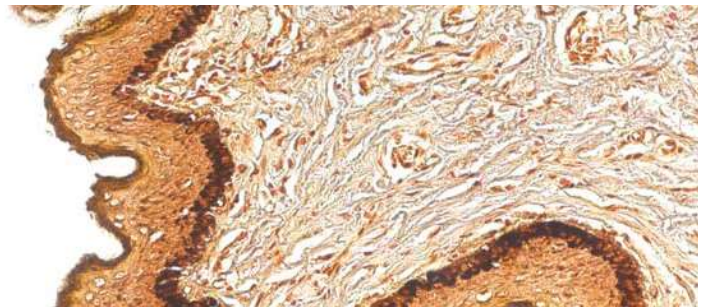




Verhoeff kit

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.

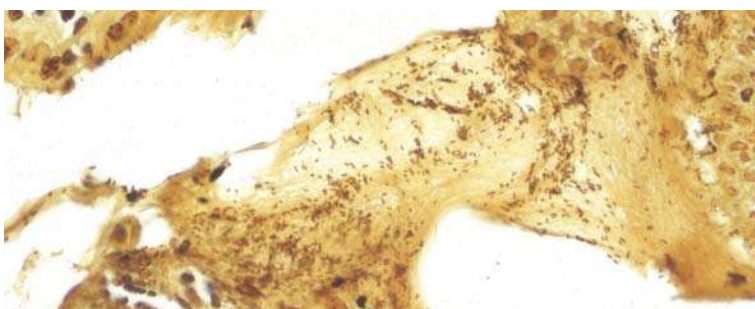
for 100 tests VER-100T
6x100 mL VER-K-100



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.

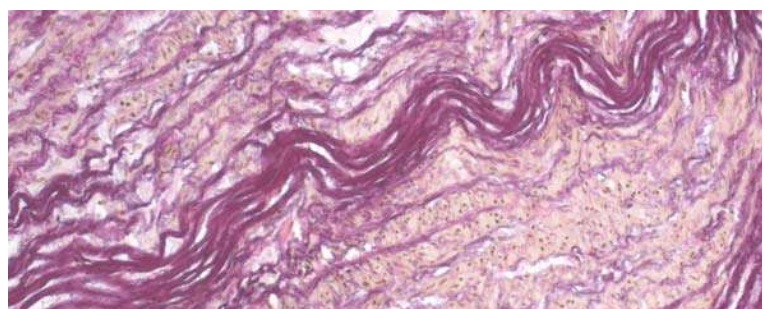
for 100 tests VK-100T
5x100 mL VK-K-100



Warthin Starry kit

Five-reagent kit for staining *Spirochaeta*, *Helicobacter pylori*, *Microsporidia* 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 WVVG-100T
6x100 mL WVVG-K-100

