

Special Stain Kit - Buyer's Guide

Acid Fast Bacteria (AFB) Stain Kit

Description: The Acid Fast Bacteria (AFB) Stain Kit is intended for use in the histological visualization of Acid Fast Bacteria and Tubercle Bacilli. This kit is a rapid 15-minute procedure. The lipid capsule of the acid-fast organism takes up carbol fuchsin and resists decolorization.

Acid Fast Organisms: Bright Red
 Background: Light Green

<u>Kit Contents</u>	<u>Volume</u>
Carbol Fuchsin Solution	125 ml
Acid Alcohol Solution (0.5%)	500 ml
Light Green Solution	125 ml

Catalog#

FAB-1

Alcian Blue (pH 1.0) Stain Kit

Description: The Alcian Blue (pH 1.0) Stain Kit is intended for use in the histological visualization of strongly sulfated mucosubstances.

Strongly Sulfated Mucosubstances: Blue
 Nuclei: Red
 Background: Pink

<u>Kit Contents</u>	<u>Volume</u>
Alcian Blue, pH 1.0	250 ml
Safranin O Solution	250 ml
Acetic Acid Solution	500 ml

Catalog#

AFT-1

Alcian Blue (pH 2.5) Stain Kit

Description: The Alcian Blue (pH 2.5) Stain Kit is intended for use in the histological visualization of sulfated and carboxylated acid mucopolysaccharides and sulfated and carboxylated sialomucins (glycoproteins).

Acidic Sulfated Mucosubstances: Blue
 Hyaluronic Acid: Blue
 Sialomucins: Blue
 Nuclei: Red
 Background: Pink

<u>Kit Contents</u>	<u>Volume</u>
Alcian Blue, pH 2.5	250 ml
Safranin O Solution	250 ml
Acetic Acid Solution	500 ml

Catalog#

AFR-1

Alcian Blue - PAS Stain Kit

Description: The Alcian Blue - PAS Stain Kit is intended for use in the simultaneous histological visualization of sulfated and carboxylated acid mucopolysaccharides, sulfated and carboxylated sialomucins (glycoproteins) and neutral mucins.

Acidic Sulfated Mucosubstances: Blue
 Hyaluronic Acid: Blue
 Sialomucins: Blue
 Neutral Mucins: Magenta
 Mixtures of Acidic & Neutral: Blue - Mauve

<u>Kit Contents</u>	<u>Volume</u>
Alcian Blue Solution, pH 2.5	250 ml
Periodic Acid Solution	250 ml
Schiff's Solution	250 ml

Catalog#

APS-1

Amyloid Stain Kit (Congo Red)

Description: The Amyloid Stain Kit (Congo Red) is intended for use in the histological visualization of amyloid in tissue sections. Examination under a polarizing microscope results in green birefringence of amyloid.

Amyloid: Red to Pink
 Erythrocytes: Light Orange
 Eosinophil Granules: Orange to Red
 Nuclei: Blue

<u>Kit Contents</u>	<u>Volume</u>
Congo Red Solution	500 ml
Hematoxylin, Mayer's	500 ml
Bluing Reagent	500 ml

Catalog#

AMY-1

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Calcium Stain Kit (Modified Von Kossa)

Description: The Calcium Stain Kit (Modified Von Kossa) is intended for use in the histological visualization of calcium deposits in paraffin or frozen sections.

Calcium in mass deposits:	Black
Calcium in dispersed deposits:	Gray
Nuclei:	Red
Cytoplasm:	Light Pink

<u>Kit Contents</u>	<u>Volume</u>
Silver Nitrate Solution (5%)	125 ml
Sodium Thiosulfate Solution (5%)	125 ml
Nuclear Fast Red Solution	125 ml

Catalog#

CVK-1

Colloidal Iron Stain Kit

Description: The Colloidal Iron Stain Kit is designed for the histological visualization of acid mucopolysaccharides.

Acid Mucopolysaccharides:	Bright Blue
Collagen:	Shades of Red

<u>Kit Contents</u>	<u>Volume</u>
Acetic Acid Solution (12%)	500 ml
Hydrochloric Acid Solution (1N)	125 ml
Potassium Ferrocyanide Solution (3%)	125 ml
Colloidal Iron Stock Solution	125 ml
Van Gieson's Solution	125 ml

Catalog#

CIK-1

Eosinophil – Mast Cell Stain Kit

Description: The Eosinophil - Mast Cell Stain Kit is intended for simultaneous visualization of eosinophils and mast cells.

Mast Cells:	Bright Blue
Eosinophils:	Bright Red
Nuclei:	Blue

<u>Kit Contents</u>	<u>Volume</u>
Astra Blue Solution	125 ml
Vital New Red Solution	125 ml
Hematoxylin, Mayer's	125 ml

Catalog#

CEM-1

Copper Stain Kit (For Microwave)

Description: The Copper Stain Kit (For Microwave) is intended for the demonstration of copper deposits in tissue sections.

Copper Deposits:	Light Brown to Red
Nuclei:	Blue

<u>Kit Contents</u>	<u>Volume</u>
Rhodanine Solution (Stock)	30 ml
Acetate Buffer Solution, pH 8.0	2 x 500 ml
Hematoxylin, Mayer's (Lillie's Mod.)	125 ml

Catalog#

CSK-1

Elastic Stain Kit (Modified Verhoff's)

Description: The Elastic Stain Kit is intended for use in histological demonstration of elastin in tissue sections. Demonstration of elastic tissue is useful in cases of emphysema (atrophy of elastic tissue), arteriosclerosis (thinning and loss of elastic fibers) and various other vascular diseases.

Elastic fibers:	Black to Blue/Black
Nuclei:	Blue to Black
Collagen:	Red
Muscle & Other:	Yellow

<u>Kit Contents</u>	<u>Volume</u>
Hematoxylin Solution (5%)	250 ml
Ferric Chloride (10%, Aqueous)	125 ml
Lugol's Iodine Solution	125 ml
Ferric Chloride (2%) Differentiating Sol.	125 ml
Sodium Thiosulfate Solution (5%)	125 ml
Van Gieson's Solution	125 ml

Catalog#

ETS-1

Fite's Stain Kit (Leprosy & Nocardia Procedures)

Description: The Fite's Stain Kit (For Leprosy) is intended for use in the histological visualization of mycobacterium leprae (leprosy).

Leptra bacillus:	Red
Nocardia:	Red
Background:	Blue

<u>Kit Contents</u>	<u>Volume</u>
Xylene – Peanut Oil Solution	125 ml
Carbol Fuchsin Solution	125 ml
Acid Alcohol Solution (1%)	500 ml
Methylene Blue Solution	125 ml

Catalog#

FLS-1

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Fontana-Masson Stain Kit (For Argentaffin Cells and Melanin)

Description: The Fontana-Masson Stain Kit is intended for use in the histological visualization of Argentaffin cells and Melanin in paraffin or frozen sections.

Argentaffin Cells:	Black
Melanin:	Black
Nuclei:	Red
Cytoplasm:	Light Pink

<u>Kit Contents</u>	<u>Volume</u>
Gold Chloride Solution (0.2%)	125 ml
Silver Nitrate Solution (10%)	5 x 9ml
Sodium Thiosulfate Solution (5%)	125 ml
Nuclear Fast Red Solution	125 ml

Catalog#

FMS-1

Giemsa Stain Kit (May-Grunwald)

Description: The Giemsa Stain Kit (May-Grunwald) is intended for use in the visualization of cells present in hematopoietic tissues and certain microorganisms. This kit may be used on formalin-fixed, paraffin-embedded or frozen sections.

Nuclei:	Blue/Violet
Cytoplasm	Light Blue
Collagen:	Pale Pink
Muscle Fibers:	Pale Pink
Erythrocytes:	Gray, Yellow or Pink
Rickettsia:	Reddish-Purple
Helicobacter Pylori:	Blue
Mast Cells:	Dark Blue with Red Granules

<u>Kit Contents</u>	<u>Volume</u>
May-Grunwald Solution	500 ml
Giemsa Stock Solution	500 ml
Phosphate Buffer Solution, pH 6.8	500 ml

Catalog#

GMG-1

GMS Stain Kit (Modified Gomori Methenamine-Silver Nitrate Stain for Fungus and Pneumocystis carinii)

Description: The Modified Gomori Methenamine-Silver Nitrate Stain (GMS Stain Kit) is intended for use in the histologic visualization of fungi, basement membrane and some opportunistic organisms such as *Pneumocystis carinii*. *Pneumocystis carinii* is an opportunistic pathogen that causes severe pulmonary disease in humans, dogs, rats, mice and other vertebrate species with acquired, induced, or inherited immune deficiency syndromes. In addition, this procedure will demonstrate Actinomyces and related species, Nocardia asteroides, and certain encapsulated bacteria.

Fungi:	Black
P. Carinii:	Black
Mucin:	Gray
Mycelia (inner):	Rose
Hyphae (inner):	Rose
Background:	Light Green

<u>Kit Contents</u>	<u>Volume</u>
Silver Nitrate Solution (For GMS)	125 ml
Methenamine Solution (For GMS)	125 ml
Gold Chloride Solution (0.2%)	125 ml
Borax Solution (For GMS)	15 ml
Sodium Bisulfite Solution (For GMS)	125 ml
Chromic Acid Solution (For GMS)	125 ml
Sodium Thiosulfate Solution (5%)	125 ml
Light Green Solution	125 ml

Catalog#

KAA-1

Gram Stain Kit

Description: The Gram Stain Kit is intended for the demonstration and differentiation of Gram-positive and Gram-negative bacteria.

Gram Positive Bacteria:	Blue
Gram Negative Bacteria:	Red
Other Tissue:	Yellow
Nuclei:	Red

<u>Kit Contents</u>	<u>Volume</u>
Gentian Violet Solution	125 ml
Lugol's Iodine Solution	125 ml
Gram's Decolorizer Solution	125 ml
Carbol Fuchsin Counterstain	125 ml
Tartrazine Solution	125 ml

Catalog#

GSK-1

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Gram Stain Kit (Modified Brown & Brenn)

Description: The Gram Stain Kit is intended for the demonstration and differentiation of Gram-positive and Gram-negative bacteria.

Gram Positive Bacteria:	Blue
Gram Negative Bacteria:	Red
Other Tissue:	Slightly Yellow - Pink
Nuclei:	Red

<u>Kit Contents</u>	<u>Volume</u>
Gentian Violet Solution	125 ml
Lugol's Iodine Solution	125 ml
Gram's Decolorizer Solution	125 ml
Safranin O Solution	125 ml
Picric Acid - Acetone Solution	125 ml

Catalog#

BBS-1

Hematoxylin and Eosin Stain Kit

Description: The Hematoxylin and Eosin Stain Kit is intended for use in histology and cytology applications. Included in this kit is a newly formulated Eosin that provides the benefits of a traditional alcoholic formula with significant improvements in usability. Advantages include lower evaporation rate, better color patterns, reduced tendency to spill over container, hands, and countertops, and improved surface tension to remain on tissue section. Our Hematoxylin produces crisp, intense blue nuclei providing optimal contrast to the Eosin stained cytoplasm.

Cytoplasm:	Light Pink
Collagen:	Pink
Muscle:	Pink/Rose
Erythrocytes:	Pink/Red
Nuclei:	Blue

<u>Kit Contents</u>	<u>Volume</u>
Hematoxylin, Mayer's (Lillie's Modification)	500 ml
Bluing Reagent	500 ml
Eosin Y Solution (Modified Alcoholic)	500 ml

Catalog#

HAE-1

Hepatitis B Stain Kit

Description: The Hepatitis B Stain Kit is intended for use in the histological visualization of Hepatitis B surface antigen (HBsAg). This kit may be used on formalin-fixed, paraffin-embedded or frozen sections.

HBsAg:	Dark Brown
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<u>Kit Contents</u>	<u>Volume</u>
Potassium Permanganate Sol. (5%)	30 ml
Sulfuric Acid Solution (3%)	30 ml
Oxalic Acid Solution (2%)	125 ml
Orcein Solution	125 ml
Differentiating Solution	125 ml

Catalog#

HBK-1

H. Pylori Rapid Stain Kit

Description: The H. Pylori Rapid Stain Kit is designed for demonstrating Helicobacter Pylori infected tissue. Kit may be used on formalin fixed, paraffin-embedded tissue as well as frozen sections.

Helicobacter Pylori:	Blue
Mucin:	Yellow
Background:	Light Blue

<u>Kit Contents</u>	<u>Volume</u>
Periodic Acid Solution	500 ml
Sodium Metabisulfite Solution	125 ml
Alcian Yellow Solution	125 ml
Toluidine Blue Solution	6 ml x 2
Sodium Hydroxide Solution (3%)	8 ml

Catalog#

AYH-1

Iron Stain Kit

Description: The Iron Stain Kit is intended for use in the detection of ferric iron in tissues, blood smears, or bone marrow smears. Ferric iron is normally found in small amounts in bone marrow and the spleen. Abnormally large deposits may be seen in hemochromatosis and hemosiderosis. This product is based on the Prussian Blue reaction in which ionic iron reacts with acid ferrocyanide producing a blue color.

Tissue Sections

Iron:	Bright Blue
Nuclei:	Red
Background:	Pink

Bone or Blood Smears

Sideroblasts: These are nucleated erythrocytes containing at least one small blue granule. If the blue granules surround the nucleus, the cell is a ringed sideroblast.

Siderocytes: These are non-nucleated erythrocytes containing at least one blue granule.

Reticuloendothelial Iron: Usually seen as blue particles on the marrow smear or as blue particles in the cytoplasm or phagocytic cells.

<u>Kit Contents</u>	<u>Volume</u>
Potassium Ferrocyanide Solution	500 ml
Hydrochloric Acid Solution (2%)	500 ml
Nuclear Fast Red Solution	125 ml

Catalog#

IRN-1

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Jones Stain Kit (For Basement Membrane)

Description: The Jones Stain Kit is intended for use in histological demonstration of the basement membrane and reticular fibers. This procedure is ideal for staining renal glomerular basement membranes. The main function of the basement membrane and reticular fibers is to provide anchorage and support. They are normally found throughout the body, particularly in the kidney, spleen, and lung.

Basement Membrane: Black
Reticulum Fibers: Black
Nuclei: Red
Cytoplasm: Light Pink

<u>Kit Contents</u>	<u>Volume</u>
Periodic Acid Solution	250 ml
Methenamine Solution	250 ml (2 bottles)
Silver Nitrate Solution (5%)	30 ml
Borax Solution	125 ml
Gold Chloride Solution (0.2%)	125 ml
Sodium Thiosulfate Solution (5%)	125 ml
Nuclear Fast Red Solution (Enhanced)	125 ml

Catalog#

JSK-1

Luxol Fast Blue Stain Kit

Description: The Luxol Fast Blue Stain Kit is designed for staining myelin/myelinated axons and Nissil substance on formalin fixed, paraffin-embedded tissue as well as frozen tissue. This product is used for identifying the basic neuronal structure in brain or spinal cord sections.

Myelinated Fibers: Blue
Nissil Substance: Violet
Nerve Cells: Violet

<u>Kit Contents</u>	<u>Volume</u>
Cresyl Echt Violet Solution	125 ml
Luxol Fast Blue Solution	125 ml
Lithium Carbonate Solution (0.05%)	500 ml
Alcohol, Reagent (70%)	500 ml

Catalog#

LBC-1

Movat Pentachrome Stain Kit (Modified Russell-Movat)

The Movat Pentachrome Stain Kit (Modified Movat) is intended for use in histological demonstration of collagen, elastin, muscle, mucin and fibrin in tissue sections. This procedure is particularly useful when studying the heart, blood vessels and various vascular diseases.

Elastic Fibers: Black to Blue/Black
Nuclei: Blue/Black
Collagen: Yellow
Reticular Fibers: Yellow
Mucin: Bright Blue
Fibrin: Bright Red
Muscle: Red

<u>Kit Contents</u>	<u>Volume</u>
Hematoxylin Solution (5%)	250ml
Ferric Chloride (10%, Aqueous)	125 ml
Lugol's Iodine Solution	125 ml
Ferric Chloride (2%) Differentiating Solution	125 ml
Sodium Thiosulfate Solution (5%)	125 ml
Acetic Acid Solution (3%)	125 ml
Acetic Acid Solution (1%)	250 ml
Alcian Blue Solution, pH 2.5	125 ml
Biebrich Scarlet – Acid Fuchsin Solution	125 ml
Phosphotungstic Acid Solution (5%)	125 ml
Tartrazine Solution	125 ml

Catalog#

MPS-1

Mucicarmine Stain Kit (Modified Southgate's)

Description: Mucicarmine Stain Kit (Modified Southgate's) is intended for use in the histological visualization of acid mucopolysaccharides in tissue sections. This product is useful in distinguishing mucin negative undifferentiated squamous cell lesions from mucin positive adenocarcinomas. In addition, this product will stain the mucopolysaccharide capsule of Cryptococcus neoformans.

Mucin: Pink/Red
Capsule of Cryptococcus: Red
Nuclei: Black/Blue
Other tissue components: Yellow

<u>Kit Contents</u>	<u>Volume</u>
Hematoxylin, Mayer's	125 ml
Bluing Reagent	125 ml
Mucicarmine Solution	125 ml
Tartrazine Solution	125 ml

Catalog#

SMS-1

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Oil Red O Stain Kit (For Fat)

Description: Oil Red O Stain Kit (For Fat) is intended for use in the histological visualization of fat cells and neutral fat. This kit may be used **ONLY** on frozen tissue sections, fresh smears, or touch preps.

Fat Cells:	Red
Neutral Fat:	Red
Nuclei:	Blue

<u>Kit Contents</u>	<u>Volume</u>
Propylene Glycol	500 ml
Oil Red O Solution	125 ml
Hematoxylin, Mayer's	125 ml

Catalog#

ORK-1

Papanicolaou (PAP) Stain Kit

Description: The Papanicolaou (PAP) Stain Kit is designed to differentiate between a variety of cells in vaginal smears for detection of vaginal, uterine and cervical cancer. In addition, this procedure is valuable for staining a variety of other bodily secretions and cell smears. The procedure was developed in the early 1940's by George Papanicolaou.

Nuclei:	Blue
High Keratin Cells:	Orange
Superficial Cells:	Pink
Erythrocytes:	Dark Pink
Parabasal Cells:	Blue/Green
Intermediate Cells:	Blue/Green
Metaplastic Cells:	May contain both Blue/Green and Pink.

<u>Kit Contents</u>	<u>Volume</u>
Hematoxylin, Mayer's	500 ml
OG-6 Solution	500 ml
EA-50 Stain Solution	500 ml

Catalog#

PAP-1

Periodic Acid Schiff (PAS) Stain Kit (Modified Lillie's)

Description: The Periodic Acid Schiff (PAS) Stain Kit is intended for use in histological demonstration of lymphocytes and mucopolysaccharides. The staining pattern of the lymphocytes are helpful in making therapeutic decisions in established cases of lymphocytic leukemia. The PAS reaction in tissue sections is useful for the demonstration of mucopolysaccharides. PAS staining may also be used for the demonstration of fungal organisms in tissue sections.

PAS Positive Material:	Magenta
Nuclei:	Black/Blue

<u>Kit Contents</u>	<u>Volume</u>
Periodic Acid Solution	250 ml
Schiff's Solution	250 ml
Hematoxylin, Mayer's	125 ml
Bluing Reagent	125 ml

Catalog#

PAS-1

Periodic Acid Schiff (PAS) for Fungus Stain Kit

Description: The Periodic Acid Schiff (PAS) for Fungus Stain Kit is intended for use in histological demonstration of fungal organisms in tissue sections. The PAS reaction is also useful in the demonstration of lymphocytes and mucopolysaccharides. The staining patterns of the lymphocytes are helpful in making therapeutic decisions in established cases of lymphocytic leukemia.

Fungal Organisms:	Magenta
PAS Positive Material:	Magenta
Nuclei:	Black/Blue

<u>Kit Contents</u>	<u>Volume</u>
Periodic Acid Solution	250 ml
Schiff's Solution	250 ml
Light Green Solution	125 ml

Catalog#

PASF-1

Picro-Sirius Red Stain Kit (For Cardiac Muscle)

Description: The Picro-Sirius Red Stain Kit (For Cardiac Muscle) is intended for use in the histological visualization of thin septa and collagen fibers. This modification of the Picro-Sirius Red stain eliminates the yellow cytoplasmic staining that can obscure thin collagenous septa. Using this procedure easily allows viewing of collagenous septa as thin as 0.2-0.5 microns. The PSR stain may be viewed using standard light microscopy or polarized light resulting in birefringence of the collagen fibers to distinguish between type I and type III.

Light Microscopy

Collagen:	Red
Septa:	Red
Cytoplasm:	Colorless to Slightly Yellow

Polarized Light Microscopy

Type I (Thick fibers)	Yellow-Orange Birefringence
Type III (Thin fibers)	Green Birefringence

<u>Kit Contents</u>	<u>Volume</u>
Phosphomolybdic Acid Solution ((0.2%))	250 ml
Picro-Sirius Red Solution	250 ml
Acetic Acid Solution (0.5%)	250 ml

Catalog#

SRC-1

All Kit Components
 are Available
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Picro-Sirius Red Stain Kit (For Collagen)

Description: The Picro-Sirius Red Stain Kit (For Collagen) is intended for use in the histological visualization of collagen I and III fibers in addition to muscle in tissue sections. The PSR stain may be viewed using standard light microscopy or polarized light resulting in birefringence of the collagen fibers to distinguish between type I and type III.

Light Microscopy

Collagen:	Red
Muscle Fibers:	Yellow
Cytoplasm:	Yellow

Polarized Light Microscopy

Type I (Thick fibers)	Yellow-Orange Birefringence
Type III (Thin fibers)	Green Birefringence

Kit Contents

	<u>Volume</u>
Picro-Sirius Red Solution	250 ml
Acetic Acid Solution (0.5%)	250 ml (x2)

Catalog#

PSR-1

All Kit Components
are Available
Individually in Bulk
Packaging!

Pneumocystis Stain Kit

Description: The Pneumocystis Stain Kit is intended for use in the histological visualization of Pneumocystis carinii in cytology smears, and paraffin or frozen tissue sections.

Pneumocystis carinii:	Violet / Purple
Connective Tissue:	Blue / Green
Erythrocytes:	Yellow
Mucin:	Rose / Purple
Cartilage:	Rose / Purple

Kit Contents

	<u>Volume</u>
Cresyl Echt Violet Solution (0.1%)	125 ml
Naphthol Yellow S Solution	125 ml
Staining Jar	60 ml

Catalog#

PCS-1

PTAH Stain Kit for Microwave (Phosphotungstic Acid Hematoxylin)

Description: The PTAH Stain Kit for Microwave is intended for use in the histological visualization of collagen, striated muscle, glial fibers and collagen without using Zenker's Fixative with Mercuric Chloride as a mordant. This kit may be used on formalin-fixed, paraffin-embedded or frozen sections.

Fibrin, Striated Muscle, Glial Fibers:	Blue
Collagen:	Brownish/Red
Nuclei:	Blue

Kit Contents

	<u>Volume</u>
Zinc Chloride Solution (10%)	500 ml
Ferric Ammonium Sulfate	125 ml
PTAH Solution	125 ml

Catalog#

PTA-1

Reticulum Stain Kit (Modified Gomori's)

Description: The Reticulum Stain Kit (Modified Gomori's) is intended for use in histological demonstration of reticular fibers. The main function of reticular fibers is to provide support. They are normally found throughout the body, particularly in liver, lymph node, spleen and kidney. Ammoniacal silver stains are the most commonly used methods for demonstration of reticular fibers.

Reticulum:	Black
Nuclei:	Red

Kit Contents

	<u>Volume</u>
Potassium Permanganate Solution	250 ml
Sulfuric Acid Solution (1N)	15 ml
Potassium Metabisulfite Solution	125 ml
Ferric Ammonium Sulfate Solution	125 ml
Silver Nitrate Solution (10%)	65 ml
Potassium Hydroxide Sol. (10%)	15 ml
Formalin Solution (20%)	125 ml
Gold Chloride Solution (0.2%)	125 ml
Sodium Thiosulfate Solution (5%)	125 ml
Nuclear Fast Red Solution	125 ml

Catalog#

GRS-1

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Reticulum Stain Kit

Description: The Reticulum Stain Kit is intended for use in histological demonstration of reticular fibers. The main function of reticular fibers is to provide support. They are normally found throughout the body, particularly in liver, lymph node, spleen and kidney. Ammoniacal silver stains are the most commonly used methods for demonstration of reticular fibers.

Reticulum: Black
 Nuclei: Green

<u>Kit Contents</u>	<u>Volume</u>
Potassium Permanganate Sol. (1%)	125 ml
Potassium Metabisulfite Solution (3%)	125 ml
Ferric Ammonium Sulfate Solution (3%)	125 ml
Formalin Solution (20%)	125 ml
Gold Chloride Solution (0.1%)	125 ml
Sodium Thiosulfate Solution (5%)	125 ml
Light Green Solution	125 ml
Sodium Hydroxide Solution (3%)	125 ml
Silver Nitrate Solution (10%)	10 ml x 5 vials

Catalog#

GRT-1

Steiner Stain Kit (For Spirochetes)

Description: The Steiner Stain Kit (For Spirochetes) is designed for demonstrating Fungi, Helicobacter Pylori, Legionella pneumophila, and Spirochete infected tissue. Kit may be used on formalin fixed, paraffin-embedded tissue as well as frozen sections.

Spirochetes: Black to Brown
 Helicobacter Pylori: Black to Brown
 Fungi: Black to Brown
 Legionella pneumophila: Black to Brown
 Background: Yellow to Tan

<u>Kit Contents</u>	<u>Volume</u>
Oxidizer Solution	125 ml
Zinc Formalin Solution	125 ml
Gum Mastic Solution	125 ml
Hydroquinone	1.5 gm
Silver Nitrate Solution (0.2%)	125 ml
Silver Nitrate Solution (1%)	9 ml

Catalog#

SSK-1

Instructions For Use
 and Bulk Pricing are
 Available On-line!
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Trichrome Stain Kit (Modified Masson's)

Description: The Trichrome Stain Kit (Modified Masson's) is intended for use in the histological visualization of collagenous connective tissue fibers in tissue sections. This kit may be used on formalin-fixed, paraffin-embedded or frozen sections.

Collagen: Blue
 Muscle Fibers: Red
 Nuclei: Black/Blue

<u>Kit Contents</u>	<u>Volume</u>
Bouin's Fluid	125 ml
Weigert's Iron, Hematoxylin (A)	125 ml
Weigert's Iron, Hematoxylin (B)	125 ml
Biebrich Scarlet/Acid Fuchsin Sol.	125ml
Phosphomolybdic/Phosphotungstic Acid Solution	125 ml
Aniline Blue Solution	125 ml
Acetic Acid Solution (1%)	125 ml

Catalog#

TRM-1

Trichrome Stain Kit (Modified Gomori's)

Description: The Trichrome Stain Kit (Modified Gomori's) is intended for use in the histological visualization of collagenous connective tissue fibers in tissue sections.

Collagen: Blue
 Muscle Fibers: Red
 Nuclei: Black/Blue

<u>Kit Contents</u>	<u>Volume</u>
Bouin's Fluid	125 ml
Weigert's Iron, Hematoxylin	250 ml
Trichrome Stain	125ml
Acetic Acid Solution	250 ml
Acid Alcohol Solution	250 ml

Catalog#

TRG-1

Twort's Counterstain Kit

Description: The Twort's Counterstain Kit is intended for use in histology procedures such as the Gram Stain to provide contrast for easier visualization of various cell components in tissue sections.

Nuclei: Red
 Cytoplasm: Light Green

<u>Kit Contents</u>	<u>Volume</u>
Twort's Counterstain (Part A)	125 ml
Twort's Counterstain (Part B)	30 ml
Acetic Alcohol Solution (2%)	250 ml

Catalog#

TCK-1

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Warthin-Starry Stain Kit

Description: The Warthin-Starry Stain Kit is intended for use in the visualization of Spirochetes, Helicobacter pylori, Legionella pneumophila, and Cat Scratch Fever bacteria. This kit may be used on formalin-fixed, paraffin-embedded or frozen sections.

Helicobacter pylori:	Black
Legionella pneumophila:	Black
Spirochetes:	Black
Cat Scratch Fever Bacteria:	Black
Klebsiella:	Brown/Black
Nuclei:	Brown
Background:	Yellow

<u>Kit Contents</u>	<u>Volume</u>
SpiroPrep	125 ml
Gelatin (4%), Acidulated	125 ml
Silver Nitrate Solution (0.5%), Acidulated	125 ml
Hydroquinone Solution (0.1%), Acidulated	2x30 ml
Silver Nitrate Solution (2%), Acidulated	30 ml

Catalog#

WSS-1

Wright-Giemsa Stain Kit

Description: Wright-Giemsa Stain Kit is intended to be used for differential staining of blood smears, bone marrow and blood parasites.

Erythrocytes:	Pink-Tan
Leukocytes:	Blue-Purple
Neutrophils:	Light Purple granules in cytoplasm.
Eosinophils:	Bright Red-Orange granules in cytoplasm.
Basophils:	Deep Purple granules in cytoplasm.
Platelets:	Violet-Purple granules in light blue cytoplasm.

<u>Kit Contents</u>	<u>Volume</u>
Wright-Giemsa Solution	500 ml
Phosphate Buffer Sol. (pH 6.8)	500 ml (x2)

Catalog#

WGK-1

Ancillary Products

Water, Deionized/Distilled

Water for use in laboratory procedures has been deionized, distilled and filtered at 0.2µ for critical assays.

<u>Catalog#</u>	<u>Volume</u>
DDH999	1 Liter
DDH3800	1 Gallon
DDH-20000	20 Liters

PAP Pen

This marking pen has been designed to provide a thin film-like barrier when a circle is drawn around the specimen on a slide. This barrier creates the proper surface tension to hold an antibody solution within the target area on the slide. PAP Pen contains a special formulation which is insoluble in alcohol and acetone. It can be removed, if desired, by xylene after the staining procedure is completed.

<u>Catalog#</u>	<u>Volume</u>
LP0001	1 Pen



KP Marker Plus

Klinipath KP Marker Plus is a solvent resistant marking pen for permanent writing on glass slides, cassettes and other items in the laboratory. One box contains 12 pens.

<u>Catalog#</u>	<u>Volume</u>
KPM-1	1 Box (12)

