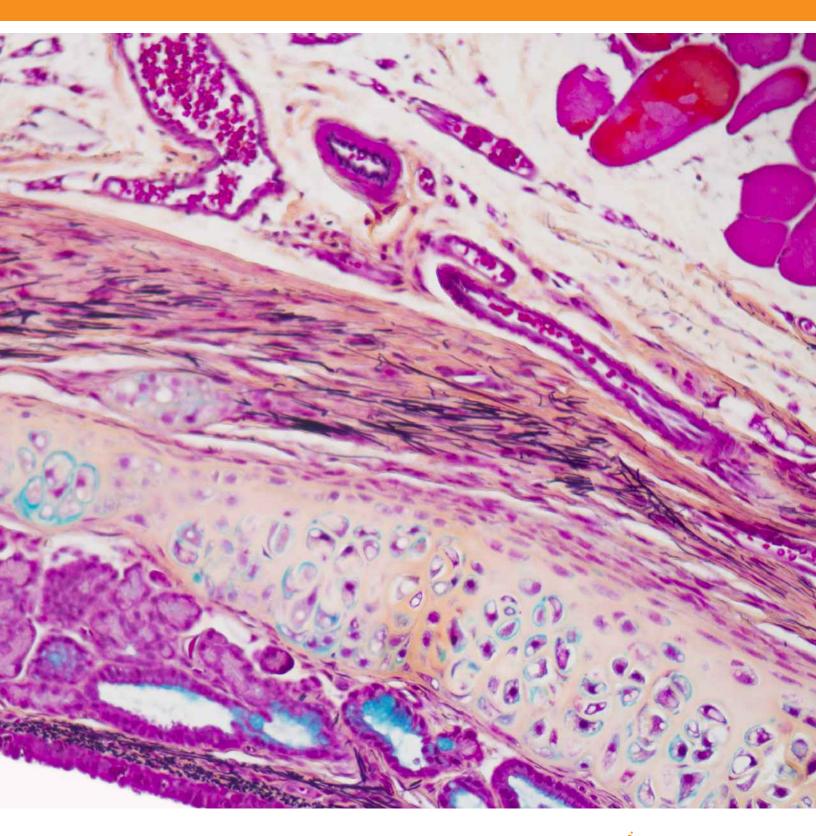
STAIN KITS





ABOUT US & ORDERING INFORMATION

Mission

Keeping it real: Our job is to help you get your job done. Everything we do is designed with your needs in mind. Our goal is to make sure your goals are met.

Keeping the lines of communication open: Our technical support staff is ready to help you solve problems, resolve concerns, and make sure that your procedures run as smoothly as possible.

Keeping prices competitive: We take pride in making sure our products arrive at your lab with the fairest price possible.

Keeping a sense of humor: Life is Good! Don't forget that. We won't. If you're having a bad day, don't worry, it's our joy to make sure your day is full of *HISTOCALIFRAGILISTICEXPIALIDOCIOUS*!

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There are two ways to live your life. One is as though nothing is a miracle. The other is as though everything is a miracle." -Albert Einstein

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ABOUT OUR STAIN KITS & TABLE OF CONTENTS

USAGE

All Newcomer Supply Stain Kits are designed to be used with Coplin jars filled to 40ml. Follow the staining procedure provided in the kit, some solutions may contain extra volumes.

PROCEDURE

All stain kits will include a Technical Memo and SDS. The Technical Memo includes information on: application, method, staining procedure, results, procedure notes and references. Technical Memos and SDSs can also be found on our website.

CONTROL SLIDES

Most Newcomer stain kits come with two complimentary unstained positive control slides to be used for the initial verification of staining techniques and reagents. Verification must be documented by running one Newcomer Supply complimentary positive control

slide along with your current positive control slide for the first run. Retain the second complimentary control slide for further troubleshooting, if needed.

STORAGE

For storage requirements and expiration date, refer to individual bottle labels.

COMPONENTS

Components for many of our stain kits are available for purchase individually.

KEY

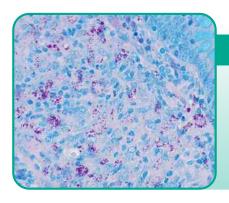
H = Hazardous chemical shipping requirements and air shipment Hazardous Material Fee.

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MICROORGANISM STAINS

AFB, Basic Fuchsin, Ellis & Zabrowarny
AFB, Fite
AFB, Ziehl-Neelsen
Differential5
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Gram, Brown-Brenn Modified
Gram, Brown-Hopps
Gram, Hucker-Twort
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Steiner-Chapman Modified Silver
Steiner-Steiner Modified Silver
NEUROLOGICAL STAINS
Bielschowsky, Lester-King Modified
Luxol Fast Blue (LFB) - Cresyl Violet
PIGMENT, SUBSTANCE AND MINERAL STAINS
Amyloid, Bennhold Congo Red
Amyloid, Puchtler Congo Red
Copper, Rhodanine
Fontana Masson
Iron, Gomori Prussian Blue



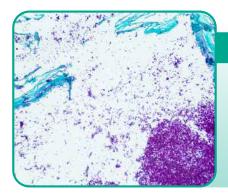
AFB, Basic Fuchsin, Ellis & Zabrowarny Stain Kit

Stains acid-fast bacilli without the use of phenol. A surfactant substitution is made for phenol which renders the bacterial cell wall permeable to the stain. Results are comparable to the traditional Ziehl-Neelsen method.

PART VOLUME

91012A 250ml

Microwave Modification Included

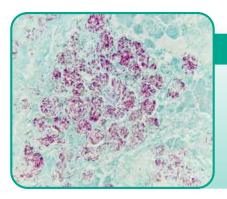


AFB, Fite Stain Kit

Detects the presence of either Nocardia sp. or Mycobacterium leprae sp. (causative agent of leprosy) in tissue sections.

PART VOLUME

91013A 250ml

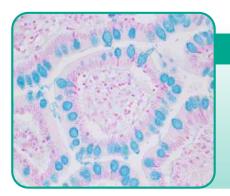


AFB, Ziehl-Neelsen Stain Kit

Detects the presence of acid-fast mycobacteria in tissue sections. Carbol Fuchsin Stain, Ziehl-Neelsen, combines phenol and basic fuchsin that works to permeate the lipoid capsule of acid-fast organisms and renders them resistant to acid alcohol decolorization.

PART VOLUME

9101A 250ml



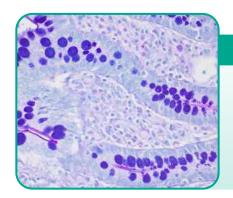
Alcian Blue 1%, pH 2.5 Stain Kit

Stains acid epithelial mucin (sialomucin, sulfomucin) as well as stromal (mesenchymal) mucin. Hyaluronidase digestion step can be employed for further differentiation of acid epithelial from stromal mucin.

PART VOLUME

9102A 250ml

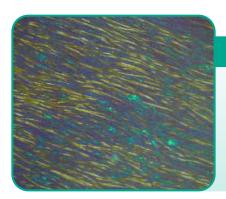
9102B 500ml



Alcian Blue/PAS Stain Kit

Differentiates between acidic epithelial mucins (sialomucin, sulfomucin) and neutral epithelial mucin and is a means of detecting the overall presence of mucins. Acidic mucins are stained with the Alcian Blue technique while neutral mucins and glycogen are stained by the PAS reaction.

PART	VOLUMI
91022A	250ml
91022B	500ml



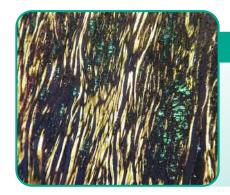
Amyloid, Bennhold Congo Red Stain Kit

Identifies the extraneous protein deposits in amyloidosis. The use of polarizing lenses is the essential technique for visualizing amyloid positive areas and/or to confirm negativity.

PART **VOLUME**

9103A 250ml

Microwave Modification Included



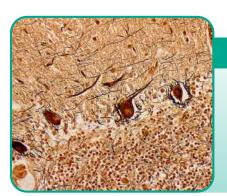
Amyloid, Puchtler Congo Red Stain Kit

Identifies the extraneous protein deposits in amyloidosis. The use of polarizing lenses is the essential technique for visualizing amyloid positive areas and/or to confirm negativity.

PART **VOLUME**

9104A

250ml

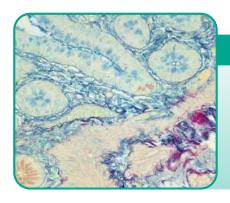


Bielschowsky, Lester-King Modified Stain Kit

Stains nerve fibers, neurofibrils/tangles, senile plaques and axons. Used in the diagnosis of Alzheimer's disease and other neurological disorders. **PART**

VOLUME

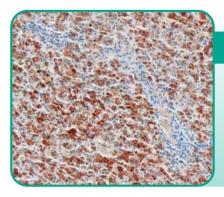
9154A 250ml



Colloidal Iron, Müller-Mowry Stain Kit

Stains acid epithelial mucin (sialomucin, sulfomucin) and stromal (mesenchymal) mucin and also demonstrates encapsulated yeast Cryptococcus neoformans.

PART VOLUME 9110A 250ml

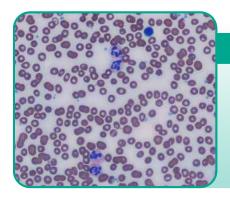


Copper, Rhodanine Stain Kit

Used for the detection of copper and copper-associated protein (CAP) in VOLUME tissue sections.

9113A 250ml

Microwave Modification Included



Differential Stain Kit

Differential staining of peripheral blood smears, touch imprints, fine needle aspirations (FNA), bone marrow biopsy aspirations, as well as detecting Helicobacter pylori sp. in GI tissue. Can be used for smears, touch imprints and tissue sections. This is a modification of the Wright Giemsa Stain technique using aqueous based stain solutions and a methanol fixative. Procedures for both monochromatic and polychromatic versions of the Differential Stain are provided. Shelf Life: 2 years.

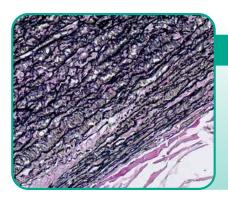
Complimentary Control Slides Not Included

PART

9112B

VOLUME

500ml

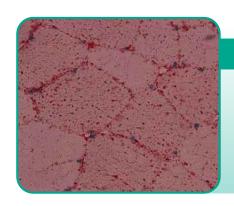


Elastic, Verhoeff Stain Kit

Used to demonstrate pathologic changes in elastic fibers as well as demonstration of normal elastic tissue such as arteries and veins.

PART VOLUME
9116A 250ml

9116B 500ml H



Fat, Oil Red O, Propylene Glycol Stain Kit

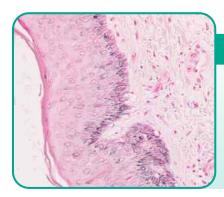
Used for identification of fat/lipid in frozen sections.

PART

VOLUME

9119A 250ml

Complimentary Control Slides Not Included



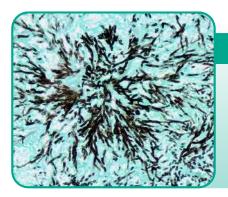
Fontana Masson Stain Kit

Stains argentaffin substances such as melanin, argentaffin granules of carcinoid tumors, and some neurosecretory granules.

PART 9105A

VOLUME

250ml



Fungus, Grocott Methenamine Silver (GMS) Stain Kit

Stains a variety of fungal organisms including: Pneumocystis carinii, Aspergillus, Blastomyces, Candida and Histoplasma.

PART

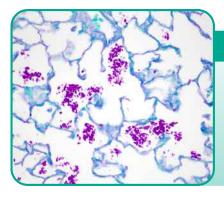
VOLUME

9121A 250ml

250ml H

9121B 500ml H

Microwave Modification Included



Fungus, PAS/Light Green Stain Kit

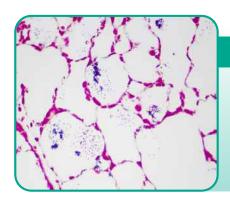
Stains fungus and glycoproteins. Polysaccharides present in fungal cell walls are oxidized by the periodic acid to aldehydes. The aldehydes then react with Schiff Reagent, McManus to yield magenta colored fungi.

PART

VOLUME

9122A

250ml



Gram, Brown-Brenn Modified Stain Kit

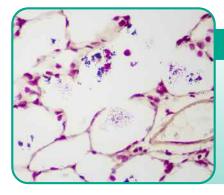
Used for differential staining of gram-positive and gram-negative bacteria in tissue sections, cultures and smears.

PART VO

9123A

VOLUME

250ml



Gram, Brown-Hopps Stain Kit

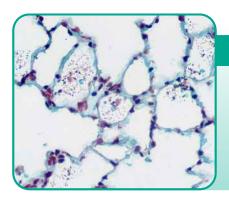
Stains gram-negative and gram-positive bacteria and uses Gallego solution to differentiate the organisms.

PART \

9124A

VOLUME

250ml



Gram, Hucker-Twort Stain Kit

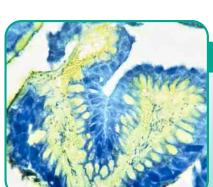
Stains gram-positive and gram-negative bacteria without the use of picric acid. The Fast Green secondary counterstain provides the green background for clear detection of any red gram-negative bacteria present. Shelf Life: 2 years.

PART

VOLUME

9125A

250ml



Helicobacter Pylori Stain Kit

Used to screen and detect Helicobacter pylori in gastrointestinal biopsy specimens.

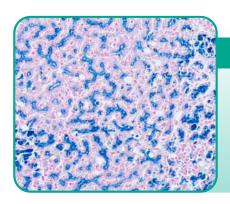
PART

VOLUME

9130A

250ml

ш



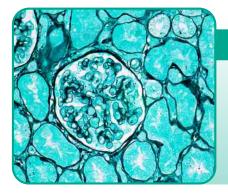
Iron, Gomori Prussian Blue Stain Kit

Used to detect loosely bound ferric iron in tissue sections. This histochemical reaction is sensitive enough to demonstrate minute amounts of iron deposits in blood cells, bone marrow and spleen.

VOLUME PART 9136A 250ml

500ml

9136B



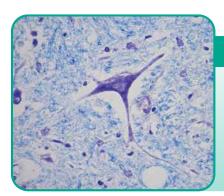
Jones Basement Membrane Stain Kit

A straightforward silver technique for identification of glomerular and tubular basement membranes in renal tissue.

PART **VOLUME**

9167A 250ml

Microwave Modification Included



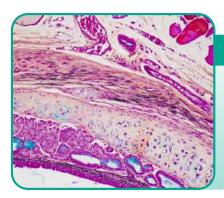
Luxol Fast Blue (LFB) - Cresyl Violet Stain Kit

Stains myelin and Nissl substance in central nervous system tissues and in peripheral nerve.

PART **VOLUME**

9155A 250ml

Microwave Modification Included



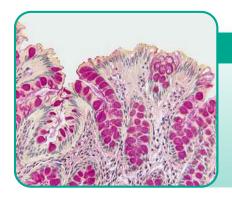
Movat-Russell Modified Pentachrome Stain Kit

Stains five connective tissue elements; mucin, fibrin, elastic fibers, muscle, and collagen, along with nuclei.

PART **VOLUME**

9150A

250ml



Mucin, Mayer Mucicarmine Stain Kit

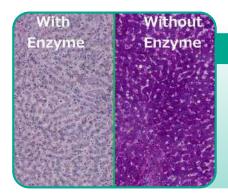
Stains acid epithelial mucin (sialomucin, sulfomucin) and is also useful for the demonstration of the encapsulated yeast Cryptococcus neoformans.

9151A 250ml H 9151B 500ml H

VOLUME

PART

Microwave Modification Included



Periodic Acid Schiff (PAS) Stain Kit

Stains glycoproteins and aids in the differential diagnosis of tumors through the detection of acid/neutral epithelial mucins and/or glycogen. Digestion steps can be employed for further identification of mucosubstances. Also useful for staining basement membranes and fungal cell walls.

PART VOLUME 9162A 250ml

9162B 500ml H

Microwave Modification Included



Phosphotungstic Acid Hematoxylin (PTAH) Stain Kit

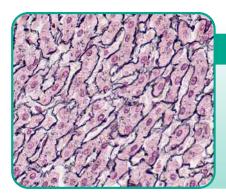
Used for the demonstration of collagen, muscle striations and central nervous system (CNS) structures. The Zenker fixative used in this procedure is modified with zinc chloride and is mercury free.

PART VOLUME

250ml

9111A

Microwave Modification Included



Reticulum, Gordon & Sweets Stain Kit

A silver stain for demonstration of reticular fibers. Useful in the differential diagnosis of certain types of tumors.

PART VOLUME

9168A 250ml

)ml



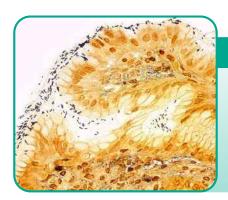
Steiner-Chapman Modified Silver Stain Kit

Stains spirochetes, Helicobacter pylori, Legionella pneumophila, other nonfilamentous bacteria and fungus. Eliminates the use of Uranyl Nitrate.

PART **VOLUME**

9172A 250ml 9172B 500ml

Microwave Modification Included



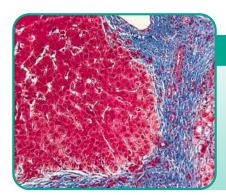
Steiner-Steiner Modified Silver Stain Kit

A silver stain for identifying spirochetes, Helicobacter pylori, Legionella pneumophila, other nonfilamentous bacteria and fungus.

PART **VOLUME**

9171A 250ml

Microwave Modification Included



Trichrome, Gomori One-Step, Aniline Blue Stain Kit

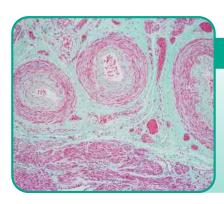
Uses a one-step solution combining a plasma stain and a connective tissue stain to differentially demonstrate collagen and muscle fibers.

PART **VOLUME**

9176B 250ml

9176A 500ml

Microwave Modification Included



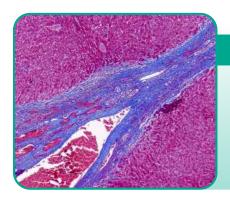
Trichrome, Gomori One-Step, Fast Green Stain Kit

Uses a one-step solution combining a plasma stain and a connective tissue stain to differentially demonstrate collagen and muscle fibers.

PART **VOLUME**

9175A 250ml

Microwave Modification Included



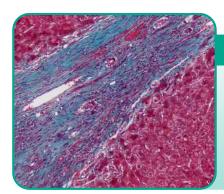
Trichrome, Masson, Aniline Blue Stain Kit

Used to differentially demonstrate connective tissue elements, collagen and muscle fibers.

PART VOLUME

9179A 250ml 9179B 500ml

Microwave Modification Included



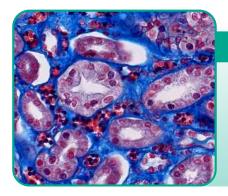
Trichrome, Masson, Fast Green Stain Kit

Used to differentially demonstrate connective tissue elements, collagen and muscle fibers.

PART VOLUME

9180A 250ml

Microwave Modification Included



Trichrome, McLetchie, Aniline Blue Stain Kit

Stains collagen and muscle fibers, works well on bone marrow and renal biopsies and provides time efficient results. This modified procedure does not use a Bouin Fluid mordant or a hematoxylin nuclear stain.

PART VOLUME

9177A 250ml

.001111

AFB, BASIC FUCHSIN, ELLIS & ZABROWARNY STAIN KIT

Basic Fuchsin Stain 1%, Alcoholic

Acid Alcohol 3%

Methylene Blue Stain 0.25%, Aqueous

AFB, FITE STAIN KIT

Xylene/Peanut Oil, 2:1

Carbol Fuchsin Stain, Ziehl-Neelsen

Acid Alcohol 1%

Light Green SF Yellowish Stain 0.1%, Aqueous

AFB, ZIEHL-NEELSEN STAIN KIT

Carbol Fuchsin Stain, Ziehl-Neelsen

Acid Alcohol 1%

Light Green SF Yellowish Stain 0.1%, Aqueous

ALCIAN BLUE 1%, PH 2.5 STAIN KIT

Acetic Acid 3%, Aqueous

Alcian Blue Stain 1%, pH 2.5 Aqueous

Nuclear Fast Red Stain, Kernechtrot

ALCIAN BLUE/PAS STAIN KIT

Acetic Acid 3%, Aqueous

Alcian Blue Stain 1%, pH 2.5 Aqueous

Periodic Acid 0.5%, Aqueous

Schiff Reagent, McManus

Hematoxylin Stain, Mayer Modified

AMYLOID, BENNHOLD CONGO RED STAIN KIT

Congo Red Stain 1%, Aqueous

Alkaline Alcohol

Hematoxylin Stain, Mayer Modified

AMYLOID, PUCHTLER CONGO RED STAIN KIT

Hematoxylin Stain, Harris Modified

Sodium Hydroxide 1%, Aqueous

Congo Red Stain, Alcoholic

BIELSCHOWSKY, LESTER-KING MODIFIED STAIN KIT

Silver Nitrate 20%, Aqueous

Ammonium Hydroxide 28-30%, ACS

Developer

Sodium Thiosulfate 5%, Aqueous

COLLOIDAL IRON, MÜLLER-MOWRY STAIN KIT

Acetic Acid 12%, Aqueous

Colloidal Iron Stock

Acetic Acid, Glacial, ACS

Potassium Ferrocyanide 2%, Aqueous

Hydrochloric Acid 2%, Aqueous

Van Gieson Stain

COPPER, RHODANINE STAIN KIT

Rhodanine Stock Stain 0.2%, Alcoholic

Hematoxylin Stain, Mayer Modified

Sodium Borate 0.5%, Aqueous

DIFFERENTIAL STAIN KIT

Xanthene Stain

Thiazine Stain

Fixative

ELASTIC, VERHOEFF STAIN KIT

Hematoxylin 5%, Alcoholic

Ferric Chloride 10%, Aqueous

lodine, Lugol's, Aqueous

Sodium Thiosulfate 5%, Aqueous

Van Gieson Stain

FAT, OIL RED O, PROPYLENE GLYCOL STAIN KIT

Propylene Glycol 100%, ACS

Oil Red O Stain, Propylene Glycol

Propylene Glycol 85%, Aqueous

Hematoxylin Stain, Mayer Modified

FONTANA MASSON STAIN KIT

Silver Nitrate 10%, Aqueous

Ammonium Hydroxide 28-30%, ACS

Gold Chloride 0.2%, Aqueous

Sodium Thiosulfate 5%, Aqueous

Nuclear Fast Red Stain, Kernechtrot

FUNGUS, GROCOTT METHENAMINE SILVER (GMS) STAIN KIT

Chromic Acid 5%, Aqueous

Sodium Bisulfite 1%, Aqueous

Silver Nitrate

Methenamine Borate

Gold Chloride 0.1%, Aqueous

Sodium Thiosulfate 2%, Aqueous

Light Green SF Yellowish Stain 0.02%, Aqueous

COMPONENT LIST

FUNGUS, PAS/LIGHT GREEN STAIN KIT

Periodic Acid 0.5%, Aqueous

Schiff Reagent, McManus

Light Green SF Yellowish Stain 0.1%, Aqueous

GRAM, BROWN-BRENN MODIFIED STAIN KIT

Crystal Violet-Oxalate Stain, Alcoholic

lodine, Gram, Aqueous

Acetone-Alcohol 1:1

Basic Fuchsin Stain 0.25%, Aqueous

Tartrazine Stain 0.25%, Acetic Aqueous

GRAM, BROWN-HOPPS STAIN KIT

Crystal Violet Stain 1%, Aqueous, Brown-Hopps

Iodine, Gram, Aqueous

Basic Fuchsin Stain 0.25%, Aqueous

Gallego Solution

Picric Acid-Acetone 0.05%

Acetone-Xylene 1:1

GRAM, HUCKER-TWORT STAIN KIT

Crystal Violet-Oxalate Stain, Alcoholic

lodine, Lugol's, Aqueous

Neutral Red Stain 1%, Alcoholic

Fast Green Stain 1%, Alcoholic

HELICOBACTER PYLORI STAIN KIT

Periodic Acid 1%, Aqueous

Sodium Metabisulfite 5%, Acidified

Alcian Yellow Stain 1%, Alcoholic

Toluidine Blue Stock Stain 1%, Aqueous

Sodium Hydroxide 3%, Aqueous

IRON, GOMORI PRUSSIAN BLUE STAIN KIT

Hydrochloric Acid 20%, Aqueous

Potassium Ferrocyanide 10%, Aqueous

Nuclear Fast Red Stain, Kernechtrot

JONES BASEMENT MEMBRANE STAIN KIT

Methenamine 3%, Aqueous

Silver Nitrate 5%, Aqueous

Sodium Borate 5%, Aqueous

Periodic Acid 1%, Aqueous

Gold Chloride 0.25%, Aqueous

Sodium Thiosulfate 2.5%, Aqueous

Light Green SF Yellowish Stain 0.1%, Aqueous

LUXOL FAST BLUE (LFB) - CRESYL VIOLET STAIN KIT

Luxol Fast Blue Stain 0.1%, Alcoholic

Lithium Carbonate 0.5%, Aqueous

Cresyl Violet Stain, Aqueous

Acetic Acid 10%, Aqueous

MOVAT-RUSSELL MODIFIED PENTACHROME STAIN KIT

Alcian Blue Stain 1%, Aqueous

Ammonium Hydroxide 28-30%, ACS

Hematoxylin 10%, Alcoholic

Ferric Chloride 10%, Aqueous

Iodine, Verhoeff, Aqueous

Ferric Chloride 2%, Aqueous

Sodium Thiosulfate 5%, Aqueous

Crocein Scarlet 7B Stain, Aqueous

Acid Fuchsin Stain, Aqueous

Phosphotungstic Acid 5%, Aqueous

Orange G Stain 1%, Aqueous

Acetic Acid 0.5%, Aqueous

MUCIN, MAYER MUCICARMINE STAIN KIT

Ferric Chloride, Acidified (Set Part A)

Hematoxylin 1%, Alcoholic (Set Part B)

Mucicarmine Stock Stain, Mayer

Metanil Yellow Stain, Aqueous

PERIODIC ACID SCHIFF (PAS) STAIN KIT

Periodic Acid 0.5%, Aqueous

Schiff Reagent, McManus

Hematoxylin Stain, Harris

Acid Alcohol 1%

Lithium Carbonate, Saturated Aqueous

PHOSPHOTUNGSTIC ACID HEMATOXYLIN (PTAH) STAIN KIT

Zenker Fixative, Modified, Zinc Chloride

Acetic Acid, Glacial, ACS

Potassium Permanganate 0.25%, Aqueous

Oxalic Acid 5%, Aqueous

 ${\it Phosphotungstic\,Acid\,Hematoxylin\,(PTAH)\,Stain}$



RETICULUM, GORDON & SWEETS STAIN KIT

Potassium Permanganate 1%, Aqueous

Oxalic Acid 1%, Aqueous

Ferric Ammonium Sulfate 2.5%, Aqueous

Silver Nitrate 10%, Aqueous

Ammonium Hydroxide 28-30%, ACS

Sodium Hydroxide 3%, Aqueous

Formalin 10%, Aqueous

Gold Chloride 0.2%, Aqueous

Sodium Thiosulfate 5%, Aqueous

Nuclear Fast Red Stain, Kernechtrot

STEINER-CHAPMAN MODIFIED SILVER STAIN KIT

Zinc Formalin Sensitizer

Silver Nitrate 1%, Aqueous

Gum Mastic 2.5%, Alcoholic

Hydroquinone, Powder

STEINER-STEINER MODIFIED SILVER STAIN KIT

Uranyl Nitrate 1%, Aqueous

Silver Nitrate 1%, Aqueous

Gum Mastic 2.5%, Alcoholic

Hydroquinone, Powder

TRICHROME, GOMORI ONE-STEP, ANILINE BLUE STAIN KIT

Bouin Fluid

Ferric Chloride, Acidified (Set Part A)

Hematoxylin 1%, Alcoholic (Set Part B)

Trichrome Stain, Gomori One-Step, Aniline Blue

Acetic Acid 0.5%, Aqueous

TRICHROME, GOMORI ONE-STEP, FAST GREEN STAIN KIT

Bouin Fluid

Ferric Chloride, Acidified (Set Part A)

Hematoxylin 1%, Alcoholic (Set Part B)

Trichrome Stain, Gomori One-Step, Fast Green

Acetic Acid 0.5%, Aqueous

TRICHROME, MASSON, ANILINE BLUE STAIN KIT

Bouin Fluid

Ferric Chloride, Acidified (Set Part A)

Hematoxylin 1%, Alcoholic (Set Part B)

Biebrich Scarlet-Acid Fuchsin Stain, Aqueous

Phosphomolybdic-Phosphotungstic Acid, Aqueous

Aniline Blue Stain, Aqueous

Acetic Acid 0.5%, Aqueous

TRICHROME, MASSON, FAST GREEN STAIN KIT

Bouin Fluid

Ferric Chloride, Acidified (Set Part A)

Hematoxylin 1%, Alcoholic (Set Part B)

Biebrich Scarlet-Acid Fuchsin Stain, Aqueous

Phosphotungstic Acid 5%, Aqueous

Fast Green Stain 2.5%, Aqueous

Acetic Acid 0.5%, Aqueous

TRICHROME, MCLETCHIE, ANILINE BLUE STAIN KIT

Biebrich Scarlet-Acid Fuchsin Stain, Aqueous

Iodine, Lugol's, Aqueous

Phosphotungstic Acid 2%, Alcoholic

Aniline Blue Stain, Aqueous





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