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Ангарск (3955)60-70-56	Ижевск (3412)26-03-58	Москва (495)268-04-70	Ростов-на-Дону (863)308-18-15	Тольятти (8482)63-91-07
Архангельск (8182)63-90-72	Иркутск (395)279-98-46	Мурманск (8152)59-64-93	Рязань (4912)46-61-64	Томск (3822)98-41-53
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Барнаул (3852)73-04-60	Калининград (4012)72-03-81	Нижний Новгород (831)429-08-12	Саранск (8342)22-96-24	Тюмень (3452)66-21-18
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Брянск (4832)59-03-52	Киров (8332)68-02-04	Новосибирск (383)227-86-73	Севастополь (8692)22-31-93	Уфа (347)229-48-12
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Екатеринбург (343)384-55-89	Липецк (4742)52-20-81		Тамбов (4752)50-40-97	Ярославль (4852)69-52-93

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Технические характеристики на универсальные реагенты для диагностики тканей, гистологические пятна, гематологические пятна, цитологические пятна, бактериологические пятна, сухие красители и сертифицированные пятна компании **Sigma-Aldrich**

Виды товаров: коллоидные диоксиды кремния, неорганические соли, многоатомные спирты, полисахариды, растворы и наборы для рутинного гистологического окрашивания, специальные гистологические красители и наборы, контрольные слайды с эталонной тканью, цитохимические реагенты и наборы, наборы для окрашивания гематогноста, автоматические стейнеры и др.

Cell Separation Media for Research, Diagnostic & Pharmaceutical Applications



Cell separation medias are used in biomedical research, diagnostic, and pharmaceutical applications for the isolation and purification of specific cell populations. These media facilitate the separation of target cells from a complex mixture, such as whole blood or tissue samples, based on specific characteristics or markers. The method of density gradient centrifugation separates specific cell populations of biological particles based on the density range of the gradient media and sample particles. The process of cell separation is crucial in various areas of pharmaceutical research and development, including drug discovery, immunotherapy, regenerative medicine, and stem cell research.

We offer a broad portfolio of density gradient media for the separation or extraction of leukocytes, viruses, DNA, RNA, organelles and many other applications. Our product line includes Histopaque® iodinated gradient media for the separation of leukocytes, polysaccharides for mammalian cell isolation, colloidal silica media for mammalian cell and organelle isolation, and inorganic salts for the isolation of DNA, viruses and proteins.

CELL SEPARATION WITH ACCUSPIN™ SYSTEM-HISTOPAQUE® MEDIA

The popular ACCUSPIN™ System with Histopaque®-1077 uses radiation sterilized centrifuge tubes designed to create two separate chambers with a porous high-density polyethylene barrier ("frit"). This system allows the addition of anticoagulated whole blood to the upper chamber without risk of mixing with the Histopaque® separation media in the lower chamber. Histopaque® density grade media allows a clear separation of lymphocytes and mononuclear cells (i.e., monocytes). Erythrocytes aggregate and granulocytes become slightly hypertonic, increasing their sedimentation rate which results in pelleting at the bottom of the ACCUSPIN™ tube. Once the separation process is complete, the isolated cells can be further characterized, cultured, analyzed, or used in downstream applications such as flow cytometry, cell-based assays, molecular analysis, pharmaceutical or cell therapy development.

HISTOPAQUE® IODINATED GRADIENT MEDIA

Histopaque® media is designed to separate different cell types based on their density and is commonly used in pharmaceutical and biomedical research for the isolation and purification of specific cell populations. Histopaque® media are sterile-filtered, endotoxin-tested solutions of polysucrose and sodium diatrizoate, adjusted to precise densities. These

ready-to-use separation media facilitate the rapid and optimal recovery of viable cells from small volumes of whole blood. Histopaque® separation media are typically used in applications such as: Peripheral blood mononuclear cell (PBMC) isolation: Histopaque® media is often employed to isolate PBMCs from whole blood samples. PBMCs consist of lymphocytes, monocytes, and other nucleated cells. By layering the Histopaque® medium between the blood sample and a centrifuge tube, centrifugation causes the separation of PBMCs from other blood components, such as red blood cells and platelets. Cell fractionation: Histopaque® media can be used to fractionate mixed cell populations into distinct layers based on their density. By layering the separation medium in a centrifuge tube and carefully adding the cell suspension, centrifugation causes the formation of distinct layers representing different cell types. This technique is useful for separating and purifying cells for further analysis or experimentation. Isolation of specific cell types: Histopaque® separation media can be utilized to isolate specific cell populations based on their density or specific markers. By carefully layering the separation medium and the cell suspension, centrifugation separates the cells of interest from unwanted cells. This technique is particularly valuable for researchers studying specific cell types or seeking to enrich rare cell populations. Produced under ISO 9001 quality management, Histopaque® products with lot-specific performance testing provide consistently selective separation of blood cell lines, optimal separation of viable undistorted cells and minimal extraneous cell interference.

PERCOLL® COLLOIDAL SILICA MEDIA

Colloidal silica media are colloidal suspensions of silica particles coated with polyvinylpyrrolidone (PVP) with a diameter of 15-30 nm typically used in biomedical and pharmaceutical research for cell separation and purification. PVP decreases the particle interactions with the biological material and stabilizes the colloid in an isotonic saline solution.. Its density can be adjusted by changing the concentration of the Percoll® solution, allowing researchers to customize the gradient to suit their specific separation needs. Our Percoll® colloidal media has extremely low osmotic strength that changes little with density. Also, the osmolality of the gradients formed by centrifugation are adjusted easily by adding appropriate amount of sucrose or buffer solution. The Percoll® gradients are ideal for the isopycnic separations of cell, organelles, membrane vesicles, and even some viruses.

INORGANIC SALTS

Ionic gradient media, also known as ionic gradients or ionic solutions, are used in cell separation techniques to separate cells based on their surface charge or electrical properties. These media create an electrostatic field or charge differential, which enables the separation of cells with different surface charges. Examples of cell separation techniques that utilize ionic gradient media include electrophoresis, dielectrophoresis (DEP), and isoelectric focusing (IEF). The specific choice of media and technique depends on the nature of the cells being separated, the desired separation mechanism, and the overall experimental objectives. Our ionic gradient media, comprised of concentrated heavy metal salts, are exclusively used for isopycnic separations of nucleic acids. Cesium chloride and cesium sulfate are the most widely used heavy metal salts with gradient densities of up to 1.91 g/cm³. Other salts used include sodium iodide, sodium bromide and the rubidium salts. The selection and design of ionic gradient media and techniques require careful consideration of factors such as pH, conductivity, buffer composition, and the electrical properties of the cells under investigation.

NONIONIC IODINATED DENSITY GRADIENT MEDIA

Nonionic iodinated density gradient media are specialized substances used for separation and purification techniques in various fields, including biology, biochemistry, and clinical diagnostics. These media are typically based on iodinated compounds that form density gradients, allowing the separation of particles based on their density. Nonionic iodinated density gradient media operate on the principle of density gradient centrifugation. The structures of most iodinated compounds used in the popular density gradient media are based on iodinated compounds like tri-iodobenzoic acid with a hydrophilic group attached to increase their solubility to form a continuous density gradient in aqueous solution. We provide denser iohexol solutions (e.g., Nycodenz® and Histodenz™) that minimize the dehydration of biological particles. Iohexol is nontoxic and not metabolized by mammalian cells.

POLYHYDRIC ALCOHOLS

Our portfolio of polyhydric alcohol nonionic gradient media includes sucrose gradients that are widely used for the rate-zonal separation of macromolecules and for isopycnic separation of viruses and cell organelles. The advantages include their stable nature, inertness and low cost; whereas the disadvantages involve the concentrated and hypertonic nature of the solution. We also offer glycerol solution having lesser density than the corresponding sucrose solutions, thereby preventing the activity of certain enzymes while being removed easily through vacuum.

POLYSACCHARIDES

We provide the mostly commonly used polysaccharide medium, Ficoll® to circumvent the high osmotic strength issues arising with the use of sucrose solutions. Ficoll® synthetic polymers are polyvinylpyrrolidone-coated poly(ethylene glycol) (PEG) commonly used to prepare density gradient solutions. Ficoll® solutions are widely utilized in various biological and biochemical applications, particularly for cell separation and isolation. The solution is produced by the polymerization of sucrose molecules with epichlorohydrin to give a polysaccharide with the average molecular weight of 400,000. Ficoll® solutions below 20%(w/v) have a density of 1.07 g/cm³ and are considered osmotically inert. The main disadvantage of Ficoll® solution lies in its more viscous nature than the comparable sucrose solutions. Ficoll® solutions play a significant role in various pharmaceutical research and development processes, facilitating the isolation, purification, and characterization of cells, viruses, and other biological components, thereby contributing to advancements in drug discovery, immunotherapy, and other pharmaceutical applications. They are commonly employed in cell separation techniques, especially for isolating mononuclear cells from peripheral blood or other cell sources. By layering the cell suspension onto a Ficoll® density gradient and centrifuging, cells of interest, such as lymphocytes or monocytes, can be separated from other cell types and unwanted components like red blood cells and granulocytes. Ficoll® solutions are also used in density gradient centrifugation, a technique that separates particles or molecules based on their buoyant density. During centrifugation, particles or cells migrate through the Ficoll® gradient, settling at positions that correspond to their respective densities. This allows for the separation and fractionation of different components present in a heterogeneous mixture.

[D1556](#)

[OptiPrep™ Density Gradient Medium](#)

[used for cell and subcellular organelle isolation](#)



[A2055](#)

ACCUSPIN™ Tubes Sterile, 50 mL Capacity

radiation sterilized tube fitted with a high density polyethylene barrier



D2158

Histodenz™

nonionic density gradient medium



D8802

Dextran solution from *Leuconostoc mesenteroides*

20 % (w/w) (Autoclaved)



10831

Histopaque®-1083

sterile-filtered, density: 1.083 g/mL



F5415

Ficoll® solution

Type 400, 20% in H₂O



A1805

ACCUSPIN™ Tubes Sterile, 12 mL Capacity

radiation sterilized tube fitted with a high density polyethylene barrier



S4506

Sodium diatrizoate hydrate

≥98.0%



C3011

Cesium chloride

Grade I, ≥99.0%



D9268

Diatrizoic acid

Iodine-containing contrast agent



C3309

Cesium chloride

BioXtra, ≥99.5% (titration)

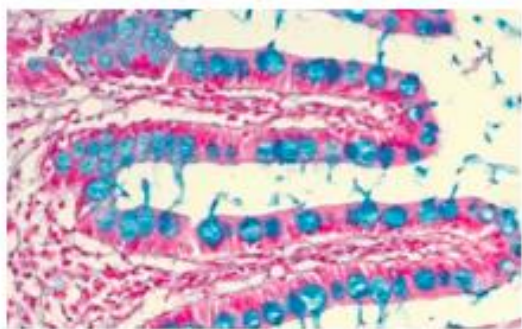


C6914

Cesium chloride

Grade II, ≥98%

Histology Stains



As a pioneer and developer of chemicals, stains, and kits for both routine and special histological investigations, we offer a full range of staining products from specimen preparation to staining and mounting. Our kit formats and individual, ready-to-use solutions are efficient and convenient to use.

For customers who prefer to prepare staining solutions, we also supply dry dyes and mixtures, concentrated liquids, as well as other chemicals and general-purpose laboratory reagents. Many of our histology products are CE-certified, IVD-registered products and have shelf lives of up to three years at room temperature. Our high-quality reagents are reliable, batch-to-batch consistent, and available for your complete histological workflow.

Read more about

- [Histological Routine Staining Solutions & Kits](#)
- [Histological Special Stains & Kits](#)
- [Isoslide® Control Slides with Reference Tissue](#)
- [Auxiliaries for Histology](#)

HISTOLOGICAL ROUTINE STAINING SOLUTIONS & KITS

Our range of ready-to-use histological staining solutions and kits help you to avoid direct contact with dry dyes and increases reproducibility—essential for laboratory audits. Our ready-to-use H&E (hematoxylin-eosin) staining solutions deliver robust results with brilliant differentiation and are made available in several package sizes. We also offer Giemsa, PAS (periodic acid-Schiff), van Gieson, and Alcian blue-staining solutions and kits. Our Schiff's reagent can be stored at room temperature and used right out of the bottle without further preparation.

HISTOLOGICAL SPECIAL STAINS & KITS

Histological special stains are used in staining techniques to identify suspected pathogens or to demonstrate specific cellular components that aid pathologists in the evaluation of disease states. Our portfolio offers commonly applied special stains, with reagents and prepared solutions available in ready-to-use kits. Many of our special stain kits have microwave applications, so you can obtain your results in a fraction of the time.

ISOSLIDE® CONTROL SLIDES WITH REFERENCE TISSUE

Our ISOSLIDE® control slides are reliable, CE-certified, IVD products that permit comparison between your specimen preparation and reference tissue for easy quality control. ISOSLIDE® control slides are available for both routine and special stains, allowing you to optimize and standardize staining procedures. We also offer ISOSLIDE® AFB control slides for the detection of acid-fast bacteria and ISOSLIDE® Congo Red for the detection of amyloid.

AUXILIARIES FOR HISTOLOGY

Our high-quality auxiliary products and reagents ensure reliable staining and long-term color stability. Find the reagents and labware you need for fixation, histoprocessing, decalcifying, embedding, deparaffinizing, dehydration, clearing and mounting of your tissue specimens. All our products have accompanying certificate of analysis (CoA) and comprehensive quality and process documentation to support laboratory accreditation and certification. Where possible, we also offer choice of standard and environmentally friendly chemical alternatives that conform to green initiatives.

[M28200](#)

[1-\(Methylamino\)anthraquinone](#)

98%



[M8640](#)

[1-Methoxy-5-methylphenazinium methyl sulfate](#)

≥95%



[D0815](#)

[2-\[4-\(Dimethylamino\)styryl\]-1-ethylpyridinium iodide](#)

≥99% (HPLC), solid



[D1429](#)

[2-\[4-\(Dimethylamino\)styryl\]-N-methylbenzoxazolium perchlorate](#)



[H46805](#)

[2-Hydroxy-1,4-naphthoquinone](#)

97%



[D2757](#)

[2,3-Diaminonaphthalene](#)

≥95% (HPLC), powder



[I8877](#)

[2,3,5-Triphenyltetrazolium chloride](#)

≥98.0% (HPLC)



[D1878](#)

[2,6-Dichloroindophenol sodium salt hydrate](#)

suitable for vitamin C determination, BioReagent



[P4272](#)

[3-\(2-Pyridyl\)-5,6-di\(2-furyl\)-1,2,4-triazine-5',5''-disulfonic acid disodium salt](#)

Suitable for determination of Fe

[P9762](#)

[3-\(2-Pyridyl\)-5,6-diphenyl-1,2,4-triazine-4',4''-disulfonic acid sodium salt](#)

Indicator ligand

[P5338](#)

[3-\(2-Pyridyl\)-5,6-diphenyl-1,2,4-triazine-4',4''-disulfonic acid sodium salt](#)

BioXtra

[D8001](#)

[3,3'-Diaminobenzidine](#)

≥97% (HPLC)

[D9015](#)

[3,3'-Diaminobenzidine tetrahydrochloride hydrate](#)

ISOPAC®

[D5637](#)

[3,3'-Diaminobenzidine tetrahydrochloride hydrate](#)

≥96%

[D4292](#)

[3,3'-Diocetadecyloxacarbocyanine perchlorate](#)

[D193402](#)

[3,5-Dinitroaniline](#)

97%

[D0550](#)

[3,5-Dinitrosalicylic acid](#)

used in colorimetric determination of reducing sugars

[D1065](#)

[4-\(2-\[6-\(Diocetylamo\)-2-naphthalenyl\]ethenyl\)-1-\(3-sulfopropyl\)pyridinium inner salt](#)

≥95% (HPLC), solid

[D8064](#)

[4-\(2-\(6-\(Dibutylamino\)-2-naphthalenyl\)ethenyl\)-1-\(3-sulfopropyl\)pyridinium hydroxide inner salt](#)

≥95% (HPLC), solid

[D2004](#)

[4-\(Dimethylamino\)benzaldehyde](#)

suitable for histochemical demonstration of nitro blue tetrazolium reduction in neutrophils

[D4506](#)

[4-\(Dimethylamino\)cinnamaldehyde](#)

chromogenic reagent for indoles and flavanols

[M6035](#)

[4-\(N-Maleimidomethyl\)cyclohexane-1-carboxylic acid 3-sulfo-N-hydroxysuccinimide ester sodium salt](#)

powder

[C1154](#)

[4-Chloro-7-sulfobenzofurazan ammonium salt](#)

[M44451](#)

[4,4'-Methylenebis\(N,N-dimethylaniline\)](#)

98%

[D4784](#)

[4,5-Methylenedioxy-1,2-phenylenediamine dihydrochloride](#)

Fluorogenic reagent

[D0531](#)

[5-\(\[4,6-Dichlorotriazin-2-yl\]amino\)fluorescein hydrochloride](#)

≥90% (HPLC)

[I9271](#)

[5-\(Iodoacetamido\)fluorescein](#)

≥90% (HPLC)

[F6627](#)

[5-Fluorouracil](#)

≥99% (HPLC), powder

[D5928](#)

[6-\(2,2-Dicyanovinyl\)-N-\(2-hydroxyethyl\)-1,2,3,4-tetrahydroquinoline](#)

[C1484](#)

[7-Diethylamino-3-\(4-maleimidophenyl\)-4-methylcoumarin](#)

≥95% (HPLC), solid

[A7222](#)

[8-Aminopyrene-1,3,6-trisulfonic acid trisodium salt](#)

≥96.0% (HPCE), solid

[C6331](#)

[9-Cyano-N,N,N'-triethylpyronine-N'-caproic acid N-hydroxysuccinimide ester chloride](#)

≥85% (HPLC)



[N8257](#)

[α-Naphtholphthalein](#)

practical grade



[TTR001](#)

[Acid Fast TISSUE-TROL™ Control Slides](#)

mouse lung tissue containing *Mycobacterium gordonae*



[A7003](#)

[Alginate acid from brown algae](#)

powder



[TTR002](#)

[Amyloid TISSUE-TROL™ Control Slides](#)

from human heart



[SRA1](#)

[Anisaldehyde solution](#)



[TTR013](#)

[Argentaffin TISSUE-TROL™ Control Slides](#)

human intestine tissue containing argentaffin granules



[A92775](#)

[Arsenazo III](#)

calcium-sensitive dye



[B1125](#)

[Bathocuproinedisulfonic acid disodium salt](#)

for spectrophotometric det. of Cu, Fe

[B1375](#)

[Bathophenanthrolinedisulfonic acid disodium salt hydrate](#)

≥95%



[D8284](#)

[Bicinchoninic acid disodium salt hydrate](#)

≥98% (HPLC)



[V900516](#)

[Bicinchoninic acid disodium salt hydrate](#)

Vetec™, reagent grade, 98%



[B9431](#)

Biotin-4-Fluorescein

≥95.0% (HPLC)



C9012

Bis(cyclohexanone)oxaldihydrazone

≥95% (TLC)



B4380

Bromobimane

≥97%



B1256

Bromocresol Green sodium salt

crystalline



B5880

Bromocresol Purple

Technical grade



B0126

Bromophenol Blue

titration: suitable



B8026

Bromophenol Blue sodium salt

for molecular biology, suitable for electrophoresis



B8630

Bromothymol Blue sodium salt

powder



C1359

Calcein AM solution

4 mM in DMSO, ≥90% (HPLC), solution



M1255

Calcein Blue

fluorescent dye



C5149

Calcium Ionophore A23187 mixed calcium magnesium salt

Approximate 1:1 molar ratio Ca:Mg. Actual content given on label.



H3128

Calconcarboxylic acid

suitable for use as an indicator for the titration of calcium



[C1795](#)

[Canada balsam](#)

Mounting medium for microscopy



[C5132](#)

[Carbazole](#)

≥95% (GC)



[C3011](#)

[Cesium chloride](#)

Grade I, ≥99.0%



[C3309](#)

[Cesium chloride](#)

BioXtra, ≥99.5% (titration)



[C6914](#)

[Cesium chloride](#)

Grade II, ≥98%

[M1782](#)

[Chromeazurol B](#)



[C80105](#)

[Chrysin](#)

97%



[C5548](#)

[Clobetasone butyrate](#)

≥98%



[C4529](#)

[Coproporphyrin I tetramethyl ester](#)

≥90% (HPLC)



[D9564](#)

[DAPI, dilactate](#)

≥98% (HPLC)



[D7385](#)

[Demecolcine](#)

≥98% (HPLC)



[D8802](#)

[Dextran solution from *Leuconostoc mesenteroides*](#)

20 % (w/w) (Autoclaved)



[D9268](#)

Diatrizoic acid

Iodine-containing contrast agent



[D1054](#)

Dihydrorhodamine 123

≥95%



[TTR003](#)

Elastic TISSUE-TROL™ Control Slides

human skin containing elastic fibers



[E6375](#)

Estriol 3-sulfate sodium salt

≥98% (TLC)



[E2028](#)

Ethidium bromide monoazide

≥95% (HPLC), solid



[E18905](#)

Ethyl(2E)-2-cyano-3-(1H-indolyl-3-yl)acrylate

99%



[E3257](#)

Ethylene glycol-bis(succinic acid N-hydroxysuccinimide ester)

powder



[F6760](#)

Fast Red TR Salt 1,5-naphthalenedisulfonate salt



[F5415](#)

Ficoll® solution

Type 400, 20% in H₂O



[F9926](#)

FIM-1



[TTR004](#)

Fungi TISSUE-TROL™ Control Slides

from mouse lung containing *Candida albicans*



[F0888](#)

[Fura 2-AM](#)

≥95% (HPLC)



[TTR005](#)

[Gram Stain TISSUE-TROL™ Control Slides](#)

mouse lung tissue containing *Staphylococcus aureus* and *Escherichia coli*

[H4385](#)

[Hanks' Balanced Salt solution](#)

10 ×, Modified, without calcium, magnesium or sodium bicarbonate



[TTR006](#)

[Helicobacter TISSUE-TROL™ Control Slides](#)

mouse intestine tissue containing *Helicobacter pylori*



[SRE0065](#)

[HEPES solution, 1M](#)



[H3292](#)

[Histo/Zyme, pH 7.2, Ready to Use, Antigen Retriever](#)



[D2158](#)

[Histodenz™](#)

nonionic density gradient medium



[H0792](#)

[HISTOSETTE® I Biopsy Processing/Embedding Cassettes](#)

white



[H1292](#)

[HISTOSETTE® I Biopsy Processing/Embedding Cassettes](#)

yellow



[H1167](#)

[HISTOSETTE® I Biopsy Processing/Embedding Cassettes](#)

blue



[H1417](#)

[HISTOSETTE® I Biopsy Processing/Embedding Cassettes](#)

green



[H0667](#)

[HISTOSETTE® I Tissue Processing/Embedding Cassettes](#)

green



[H1042](#)

[HISTOSETTE® I Tissue Processing/Embedding Cassettes](#)

yellow



[H0917](#)

[HISTOSETTE® I Tissue Processing/Embedding Cassettes](#)

blue



[H0542](#)

[HISTOSETTE® I Tissue Processing/Embedding Cassettes](#)

white



[H1252](#)

[Homovanillic acid](#)

Fluorimetric reagent



[I5763](#)

[Indophenol](#)



[I7513](#)

[Indoxyl \$\beta\$ -D-galactopyranoside](#)



[TTR007](#)

[Iron TISSUE-TROL™ Control Slides](#)

human liver containing intracellular or extracellular iron



[T4069](#)

[JC-1](#)

solid



[M2649](#)

[Melanin from *Sepia officinalis*](#)

99% (TLC)



[TTR014](#)

[Melanin TISSUE-TROL™ Control Slides](#)

from human skin

[M8256](#)

[Methyl Red sodium salt](#)

Crystalline



[Z711047](#)

[Microwave Cassette Holder](#)



[M1942](#)

Molybdenum Blue spray reagent



[M2003](#)

MTT Formazan

powder



[TTR008](#)

Mucin TISSUE-TROL™ Control Slides

human intestine tissue containing mucins



[C6206](#)

N-Carboxymethyl-6-(2,2-dicyanovinyl)-1,2,3,4-tetrahydroquinoline

≥98% (HPLC)



[M8010](#)

N,N'-Dimethyl-9,9'-biacridinium dinitrate

used as chemiluminescent reagent



[D5143](#)

N,N-Diethyl-p-phenylenediamine oxalate salt

≥85% (TLC)



[D4011](#)

N,N-Dimethyl-1-naphthylamine

≥98.0% (GC)



[D172405](#)

N,N-Dimethyl-4-nitrosoaniline

97%



[D4139](#)

N,N-Dimethyl-p-phenylenediamine dihydrochloride

suitable for peroxidase test, ≥99.0% (titration)



[T3134](#)

N,N,N',N'-Tetramethyl-p-phenylenediamine dihydrochloride

≥95%, powder



[N5625](#)

Naphthol AS phosphate

>99% (TLC), histochemical substrate



[N9252](#)

Naphthol AS phosphate disodium salt

≥98% (TLC)



[N2125](#)

Naphthol AS-BI phosphate

Technical grade



[N3625](#)

Naphthol AS-GR phosphate disodium salt



[N5000](#)

Naphthol AS-MX phosphate disodium salt

phosphatase substrate



[N5514](#)

Nitro Blue Tetrazolium

tablet



[N6876](#)

Nitrotetrazolium Blue chloride

≥90.0% (HPLC)



[SHH0001](#)

Novec™ 7000 Engineered Fluid

≥99.5%

[SHH0002](#)

Novec™ 7100 Engineered Fluid

≥99.5%



[C85778](#)

o-Cresolphthalein

indicator grade



[P5631](#)

o-Cresolphthalein Complexone

powder



[F5803](#)

o-Dianisidine dihydrochloride

Suitable for use in glucose determination



[D3252](#)

o-Dianisidine dihydrochloride

≥95%



[T8533](#)

[o-Tolidine](#)

≥95%



[D1556](#)

[OptiPrep™ Density Gradient Medium](#)

used for cell and subcellular organelle isolation



[A8675](#)

[p-Amidinophenyl p-\(6-amidino-2-indolyl\)phenyl ether dihydrochloride](#)



[C9008](#)

[p-Coumaric acid](#)

≥98.0% (HPLC)



[D0940](#)

[p-Xylene-bis\(N-pyridinium bromide\)](#)

≥95% (TLC)



[P3558](#)

[Paraplast®](#)

for tissue embedding



[P3683](#)

[Paraplast Plus®](#)

for tissue embedding



[P3808](#)

[Paraplast X-TRA®](#)

for tissue embedding



[TTR009](#)

[PAS TISSUE-TROL™ Control Slides](#)

from human kidney



[P6863](#)

[PDAM](#)

for HPLC derivatization



[R2283](#)

[Pepsin Reagent, Ready to Use, Antigen Retriever](#)

suitable for immunohistochemistry



[P4544](#)

[Phenazine ethosulfate](#)

≥95%



[P4758](#)

[Phenol Red sodium salt](#)

pH indicator dye



[P6744](#)

[Picric acid solution](#)

1.3% in H₂O (saturated)



[P0425](#)

[Poly-Prep Slides](#)

poly-L-lysine coated glass slides

[SHH0023](#)

[PolyFreeze Tissue Freezing Medium](#)

green



[SHH0025](#)

[PolyFreeze Tissue Freezing Medium](#)

blue



[SHH0026](#)

[PolyFreeze Tissue Freezing Medium](#)

clear



[P2508](#)

[Proflavine hemisulfate salt hydrate](#)

powder



[P4864](#)

[Propidium iodide solution](#)

solution (1.0 mg/ml in water)



[P7884](#)

[Pyrocatechol Violet](#)

suitable for indicator



[P8759](#)

[Pyrogallol Red](#)

Suitable for use as a complexometric indicator



[Q0501](#)

[Quin 2 potassium salt hydrate](#)

≥95%



[R0500](#)

[Reichstein's substance S](#)

≥98%



[R8276](#)

[Renin Substrate 1](#)



[TR010](#)

[Reticulum TISSUE-TROL™ Control Slides](#)



[S4651](#)

[Silane-Prep Slides](#)

glass slides coated with silane (aminoalkylsilane).



[S5145](#)

[Silver enhancer solution B](#)



[D4645](#)

[Sodium 3,5-dichloro-2-hydroxybenzenesulfonate](#)

used for peroxide measurement



[S4506](#)

[Sodium diatrizoate hydrate](#)

≥98.0%



[TR011](#)

[Spirochetes TISSUE-TROL™ Control Slides](#)

rabbit testicle tissue containing spirochetes (*Treponema pallidum*).



[EM0300](#)

[Spurr Low Viscosity Embedding Kit](#)

hydrophobic resin for embedding histological samples



[S9256](#)

[Sulfanilic acid azochromotrop](#)

≥80%



[S0252](#)

[Sulfobromophthalein disodium salt hydrate](#)

used to study hepatocyte transport functions



[S5752](#)

[Sulfochlorophenol S sodium calcium salt](#)

[S6814](#)

[SynaptoGreen™ C4](#)

≥95% (HPLC), solid



[S6689](#)

[SynaptoRed™ C2](#)

≥95% (HPLC), solid



[T3163](#)

[Tetramethylrhodamine isothiocyanate Isomer R](#)

powder



[T0820](#)

[Tetramethylrhodamine-5-isothiocyanate](#)



[T2763](#)

[Thymol iodide](#)



[TTR012](#)

[Trichrome TISSUE-TROL™ Control Slides](#)

from human liver



[T8787](#)

[Triton™ X-100](#)

for molecular biology



[U5260](#)

[UNISETTE™ Biopsy Processing/Embedding Cassettes](#)

white



[U5135](#)

[UNISETTE™ Biopsy Processing/Embedding Cassettes](#)

green



[U5010](#)

[UNISETTE™ Biopsy Processing/Embedding Cassettes](#)

yellow



[U5385](#)

[UNISETTE™ Biopsy Processing/Embedding Cassettes](#)

[blue](#)



[U4385](#)

[UNISETTE™ Tissue Processing/Embedding Cassettes](#)

[yellow](#)



[U4635](#)

[UNISETTE™ Tissue Processing/Embedding Cassettes](#)

[white](#)



[U4260](#)

[UNISETTE™ Tissue Processing/Embedding Cassettes](#)

[blue](#)



[U4510](#)

[UNISETTE™ Tissue Processing/Embedding Cassettes](#)

[green](#)

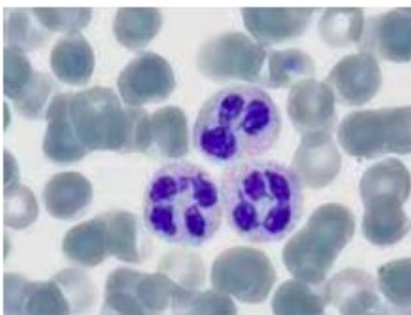


[Z2251](#)

[Zinquin ethyl ester](#)

[≥95% \(HPLC\), solid](#)

Hematology Stains



Reliably differentiate and diagnose blood, and bone marrow samples with your preferred protocol by selecting from our full range of high-quality hematological staining solutions.

Our diverse portfolio includes a complete range of chemically defined and precisely formulated staining solutions that perform optimally and consistently for hematological differentiation and diagnostics. We offer Giemsa, Wright, Wright-Giemsa, Leishman, and May-Grünwald staining reagents, including azure, eosin, methylene blue, and brilliant cresyl blue. Other popular products include our fetal hemoglobin kit, iron, and reticulocyte stains.

All our products are ready-to-use, IVD-registered, CE-certified, and subjected to comprehensive quality controls. Assured high quality, long shelf life and batch-to-batch consistency gives you definitive and reproducible results to facilitate your hematology testing, even in difficult diagnostic cases.

HEMACOLOR® RAPID STAINING

Our sophisticated Hemacolor® range can help you to quickly stain and differentiate blood smears. Whether manually performed or automated, Hemacolor® solutions and kits allow you to efficiently achieve the brilliance, and reproducibility of Pappenheim staining in only 30 seconds.

- Hemacolor® solutions and kits contain buffer tablets plus 3 ready-to-use, highly stable solutions (fixing, red, and blue solutions).
- Individual Hemacolor® rapid staining solutions are also available.
- The auto-Hemacolor® stain system was designed for automatic blood and bone marrow smear staining in conjunction with the Hematek® slide stainer (Siemens Healthcare Diagnostics).

CYTOCHEMICAL REAGENTS AND KITS

We have pioneered the technique of cytochemistry demonstrating numerous clinically important cellular enzymes by commercially introducing stabilized diazonium salts, and substituted naphthol substrates. We have also introduced stabilized base solutions (Fast Red Violet LB base, Fast Blue BB base and Fast Garnet GBC base) that allow you to easily adjust working reagent volumes according to your needs. All our kits are provided in convenient, easy-to-use formats, and may be used for clinical and research purposes.

HEMATOGNOST Fe® STAINING KITS

Localize cell components and assay enzymatic activity in blood using our complete range of ready-to-use cytochemical staining reagents. These high-quality solutions enable reliable and optimal visualization of enzyme cytochemistry and pathological changes in a patient's blood. HEMATOGNOST Fe® kits detect free ionic iron (Fe^{3+}) in cells via the Prussian blue (Berlin blue) reaction that allows diagnosis of various conditions including hemochromatosis, asbestosis or bone marrow diseases.

AUXILIARIES FOR HEMATOLOGY

Ensure proper fixation and mounting of your hematological specimens, and achieve stable and reproducible results with the help of our extensive portfolio of auxiliary products. Find everything you require to prepare, fix, stain, store and mount your hematological specimens:

- Buffer tablets for the preparation of pH stable rinsing solutions
- Immersion oils for high-magnification microscopy
- Aqueous and non-aqueous mounting media and mounting agents
- Other hematology and histology lab accessories

MIDAS® III-PLUS AUTOMATED STAINER

The Midas® III-Plus automated stainer gives you the ability to automate all hematology and bacteriology staining applications. Since the unit is fully programmable, you can duplicate your existing staining techniques and ensure consistent results for your peripheral blood and bone marrow smears as well as your bacteriological smears.

[264806](#)

[\(2,5-Dimethoxyphenyl\)acetyl chloride](#)

99%



[A3648](#)

[\(3-Aminopropyl\)triethoxysilane](#)

≥98%



[578355](#)

[1-\(2-Hydroxyethyl\)-1,2,3,4-tetrahydro-2,2,4,7-tetramethylquinoline](#)

97%



[M28200](#)

[1-\(Methylamino\)anthraquinone](#)

98%



[A39009](#)

[1-Aminoanthraquinone](#)

97%



[276219](#)

[1-Azidoadamantane](#)

97%



[377783](#)

[1-Heptyl-4-\(4-pyridyl\)pyridinium bromide](#)

95%



[M8640](#)

[1-Methoxy-5-methylphenazinium methyl sulfate](#)

≥95%



[457078](#)

[1-Pyrenebutyric acid N-hydroxysuccinimide ester](#)

95%



[323764](#)

[1,1'-Diethyl-2,2'-cyanine iodide](#)

97%



[291331](#)

[1,1'-Diethyl-4,4'-cyanine iodide](#)



[391506](#)

[1,1'-Dioctadecyl-4,4'-bipyridinium dibromide](#)

97%



[646679](#)

[1,1,2-Trimethyl-3-\(4-sulfobutyl\)benz\[e\]indolium, inner salt](#)

Dye content 90 %



[328979](#)

[1,2,3,3-Tetramethyl-3H-indolium iodide](#)

98%



[471062](#)

[1,2,3,4-Tetrahydro-2,2,4,7-tetramethylquinoline](#)

97%



[279528](#)

[1,3-Diiminoisoindoline](#)

97%



[230308](#)

[1,3-Diphenylacetone p-tosylhydrazone](#)

98%



[376434](#)

[1,4-Dimethylpyridinium iodide](#)

99%



[514888](#)

[1,4-Dimethylpyridinium p-toluenesulfonate](#)

98%



[D0815](#)

[2-\[4-\(Dimethylamino\)styryl\]-1-ethylpyridinium iodide](#)

≥99% (HPLC), solid

[D1429](#)

[2-\[4-\(Dimethylamino\)styryl\]-N-methylbenzoxazolium perchlorate](#)



[361526](#)

[2-\(3-Aminophenylsulfonyl\)ethanol hydrochloride](#)

97%



[472077](#)

[2-\(4-Hydroxyphenyl\)-5-pyrimidinol](#)

90%



[180017](#)

[2-\(5-Bromo-2-pyridylazo\)-5-\(diethylamino\)phenol](#)

97%



[389900](#)

[2-\(Ethylthio\)benzothiazole](#)

97%



[A42409](#)

[2-Aminobiphenyl](#)

97%



[225118](#)

[2-Chloro-5-methylaniline](#)

99%



[H46805](#)

[2-Hydroxy-1,4-naphthoquinone](#)

97%



[D2757](#)

[2,3-Diaminonaphthalene](#)

≥95% (HPLC), powder



[381888](#)

[2,3-Naphthalenedicarbonitrile](#)

97%



[I8877](#)

[2,3,5-Triphenyltetrazolium chloride](#)

≥98.0% (HPLC)



[404640](#)

[2,3,6,7-Tetrahydro-8-hydroxy-1*H*,5*H*-benzo\[*ij*\]quinolizine-9-carboxaldehyde](#)

98%



[320609](#)

[2,4-Dichlorobenzenediazonium 1,5-naphthalenedisulfonate hydrate](#)

powder



[292559](#)

[2,4-Dimethoxytoluene](#)

99%

- [223999](#)
[2,5-Bis\(5-tert-butyl-benzoxazol-2-yl\)thiophene](#)
suitable for scintillation, 99%

- [271993](#)
[2,5-Dibromo-6-isopropyl-3-methyl-1,4-benzoquinone](#)

- [D1878](#)
[2,6-Dichloroindophenol sodium salt hydrate](#)
suitable for vitamin C determination, BioReagent

- [428361](#)
[2,7,12,17-Tetra-tert-butyl-5,10,15,20-tetraaza-21H,23H-porphine](#)
Dye content 85 %

- [P4272](#)
[3-\(2-Pyridyl\)-5,6-di\(2-furyl\)-1,2,4-triazine-5',5''-disulfonic acid disodium salt](#)
Suitable for determination of Fe

- [P9762](#)
[3-\(2-Pyridyl\)-5,6-diphenyl-1,2,4-triazine-4',4''-disulfonic acid sodium salt](#)
Indicator ligand

- [P5338](#)
[3-\(2-Pyridyl\)-5,6-diphenyl-1,2,4-triazine-4',4''-disulfonic acid sodium salt](#)
BioXtra

- [A0223](#)
[3-Amino-3-deoxydigoxigenin hemisuccinamide, succinimidyl ester](#)

- [275980](#)
[3-Methoxydiphenylamine](#)
98%

- [370061](#)
[3-Methyl-4-nitropyridine N-oxide](#)
98%

- [414034](#)
[3-Nitrophthalimide](#)
97%

- [411914](#)
[3-Nitrophthalonitrile](#)
99%



[D8001](#)

[3,3'-Diaminobenzidine](#)

≥97% (HPLC)



[D9015](#)

[3,3'-Diaminobenzidine tetrahydrochloride hydrate](#)

ISOPAC®



[D5637](#)

[3,3'-Diaminobenzidine tetrahydrochloride hydrate](#)

≥96%



[390410](#)

[3,3'-Diethylthiacyanine iodide](#)

Dye content ~97 %



[D4292](#)

[3,3'-Diocetadecyloxacarbocyanine perchlorate](#)



[566039](#)

[3,4,5-Trihydroxybenzamide](#)

98%



[227358](#)

[3,4,5,6-Tetrabromophenolsulfonephthalein](#)

Dye content 95 %



[D193402](#)

[3,5-Dinitroaniline](#)

97%



[D0550](#)

[3,5-Dinitrosalicylic acid](#)

used in colorimetric determination of reducing sugars



[131105](#)

[3,6-Diaminoacridine hydrochloride](#)

Dye content 95 %



[442828](#)

[3,6-Dichloro-1,2-benzenedithiol](#)

95%



[371335](#)

4'-Hydroxy-4-biphenylcarboxylic acid

99%



D1065

4-(2-[6-(Diocetylamino)-2-naphthalenyl]ethenyl)-1-(3-sulfopropyl)pyridinium inner salt

≥95% (HPLC), solid



D8064

4-(2-(6-(Dibutylamino)-2-naphthalenyl)ethenyl)-1-(3-sulfopropyl)pyridinium hydroxide inner salt

≥95% (HPLC), solid

323209

4-(2-Pyridylazo)resorcinol

96%



178268

4-(2-Pyridylazo)resorcinol monosodium salt hydrate



317802

4-(4-Isothiocyanatophenylazo)-N,N-dimethylaniline

97%



114669

4-(4-Nitrophenylazo)resorcinol

Dye content 90 %



D2004

4-(Dimethylamino)benzaldehyde

suitable for histochemical demonstration of nitro blue tetrazolium reduction in neutrophils



D4506

4-(Dimethylamino)cinnamaldehyde

chromogenic reagent for indoles and flavanols



M6035

4-(N-Maleimidomethyl)cyclohexane-1-carboxylic acid 3-sulfo-N-hydroxysuccinimide ester sodium salt

powder



229164

4-(Phenylazo)diphenylamine

97%



398969

4-Amino-3-hydroxy-1-naphthalenesulfonic acid

ACS reagent, ≥90%



[307122](#)

[**4-Amino-3,6-disulfo-1,8-naphthalic anhydride dipotassium salt**](#)

[556505](#)

[**4-Chloro-7-chlorosulfonyl-2,1,3-benzoxadiazole**](#)

[97%](#)

[C1154](#)

[**4-Chloro-7-sulfobenzofurazan ammonium salt**](#)

[230901](#)

[**4-Formylbenzene-1,3-disulfonic acid disodium salt hydrate**](#)

[97%](#)

[374776](#)

[**4-Methoxybiphenyl**](#)

[97%](#)

[521795](#)

[**4-Methylphthalonitrile**](#)

[99%](#)

[294438](#)

[**4-Nitrobenzenediazonium tetrafluoroborate**](#)

[97%](#)

[332097](#)

[**4-Nitrophthalimide**](#)

[98%](#)

[330590](#)

[**4-Nitrophthalonitrile**](#)

[99%](#)

[411930](#)

[**4-Phenoxyphthalonitrile**](#)

[98%](#)

[131083](#)

[**4-Phenylazophenol**](#)

[98%](#)

[454648](#)

[**4-tert-Butylphthalic anhydride**](#)

[95%](#)

[32784](#)

4,4'-Ethylenedianiline

technical, ≥95% (NT)

[M44451](#)

4,4'-Methylenebis(N,N-dimethylaniline)

98%

[550248](#)

4,5-Dibromobenzene-1,2-diol

90%, technical grade

[D4784](#)

4,5-Methylenedioxy-1,2-phenylenediamine dihydrochloride

Fluorogenic reagent

[429031](#)

4,7-Dihydroxy-1,10-phenanthroline

Dye content ≥30 %

[D0531](#)

5-([4,6-Dichlorotriazin-2-yl]amino)fluorescein hydrochloride

≥90% (HPLC)

[I9271](#)

5-(Iodoacetamido)fluorescein

≥90% (HPLC)

[F6627](#)

5-Fluorouracil

≥99% (HPLC), powder

[477567](#)

5,10,15,20-Tetrakis(4-hydroxyphenyl)-21H,23H-porphine

Dye content 95 %

[252883](#)

5,10,15,20-Tetrakis(4-methoxyphenyl)-21H,23H-porphine

Dye content 95 %

[389404](#)

5,10,15,20-Tetraphenyl-21H, 23H-porphine-*p,p',p,p'''*-tetrasulfonic acid tetrasodium hydrate

[D5928](#)

6-(2,2-Dicyanovinyl)-N-(2-hydroxyethyl)-1,2,3,4-tetrahydroquinoline



[248924](#)

[**7-Amino-4-\(trifluoromethyl\)coumarin**](#)

≥99%



[C1484](#)

[**7-Diethylamino-3-\(4-maleimidophenyl\)-4-methylcoumarin**](#)

≥95% (HPLC), solid



[A7222](#)

[**8-Aminopyrene-1,3,6-trisulfonic acid trisodium salt**](#)

≥96.0% (HPCE), solid



[A1028](#)

[**8-Anilino-1-naphthalenesulfonic acid**](#)



[A5144](#)

[**8-Anilino-1-naphthalenesulfonic acid hemimagnesium salt hydrate**](#)

for fluorescence, ≥95% (perchloric acid titration)



[10419](#)

[**8-Anilino-1-naphthalenesulfonic acid hemimagnesium salt hydrate**](#)

for fluorescence, ≥95.0% (T)



[249394](#)

[**8-Hydroxyjulolidine**](#)

96%

[C6331](#)

[**9-Cyano-N,N,N'-triethylpyronine-N'-caproic acid N-hydroxysuccinimide ester chloride**](#)

≥85% (HPLC)



[291099](#)

[**α-Naphtholbenzein**](#)

indicator grade



[N8257](#)

[**α-Naphtholphthalein**](#)

practical grade



[A1805](#)

[**ACCUSPIN™ Tubes Sterile, 12 mL Capacity**](#)

radiation sterilized tube fitted with a high density polyethylene barrier



[A2055](#)

[**ACCUSPIN™ Tubes Sterile, 50 mL Capacity**](#)

radiation sterilized tube fitted with a high density polyethylene barrier



[429554](#)

Acetaldehyde-2,4-dinitrophenylhydrazone

analytical standard, for environmental analysis



[TTR001](#)

Acid Fast TISSUE-TROL™ Control Slides

mouse lung tissue containing *Mycobacterium gordonae*



[A5752](#)

Adrenochrome



[A3723](#)

ADVASEP™-7

solid



[65347-M](#)

Alcohol 100%

HARLECO® Used to hydrate or dehydrate tissue samples in tissue processing and staining protocols



[65350-M](#)

Alcohol 70%

HARLECO® Used to hydrate or dehydrate tissue samples in tissue processing and staining protocols



[A7003](#)

Alginic acid from brown algae

powder



[1.04187](#)

Amido black 10 B (C.I.20470)



[TTR002](#)

Amyloid TISSUE-TROL™ Control Slides

from human heart



[SRA1](#)

Anisaldehyde solution



[319899](#)

Anthrone

ACS reagent, 97%



[10951](#)

Araldite® M



[TTR013](#)

Argentaffin TISSUE-TROL™ Control Slides

human intestine tissue containing argentaffin granules



[A92775](#)

Arsenazo III

calcium-sensitive dye



[A1895](#)

Aurintricarboxylic acid

practical grade, ≥85% (titration), powder

[A0885](#)

Aurintricarboxylic acid ammonium salt

powder



[A36883](#)

Aurintricarboxylic acid ammonium salt

ACS reagent



[424633](#)

Azobenzene

98%



[A3144](#)

Azomethine-H monosodium salt hydrate

~95%



[B1125](#)

Bathocuproinedisulfonic acid disodium salt

for spectrophotometric det. of Cu, Fe



[B1375](#)

Bathophenanthrolinedisulfonic acid disodium salt hydrate

≥95%



[293733](#)

Benzophenone imine

95%



[D8284](#)

Bicinchoninic acid disodium salt hydrate

≥98% (HPLC)



[V900516](#)

[Bicinchonic acid disodium salt hydrate](#)

Vetec™, reagent grade, 98%



[B9431](#)

[Biotin-4-Fluorescein](#)

≥95.0% (HPLC)



[C9012](#)

[Bis\(cyclohexanone\)oxaldihydrazone](#)

≥95% (TLC)



[1.04179](#)

[Brilliant cresyl blue zinc chloride double salt](#)



[1.04208](#)

[Brilliant green \(hydrogen sulfate\) \(C.I. 42040\)](#)



[201375](#)

[Brilliant Yellow](#)

Dye content ≥50 %



[456063](#)

[Bromaminic acid sodium salt](#)



[B4380](#)

[Bromobimane](#)

≥97%



[510998](#)

[Bromochlorophenol Blue](#)

Dye content 95 %



[114359](#)

[Bromocresol Green](#)

ACS reagent, Dye content 95 %



[B1256](#)

[Bromocresol Green sodium salt](#)

crystalline



[114367](#)

[Bromocresol Green sodium salt](#)

90% (HPLC), ACS reagent, Dye content 90 %

[318701](#)

Bromocresol Green sodium salt solution

0.04 wt. % in H₂O



[17470](#)

Bromocresol Green Sulfone Form

for microscopy (Bot., Hist., Vit.), indicator (pH 3.8-5.4)



[B5880](#)

Bromocresol Purple

Technical grade



[114375](#)

Bromocresol Purple

BioReagent, suitable for indicator, Dye content 90 %



[860891](#)

Bromocresol Purple sodium salt

indicator grade, Dye content 90 %



[318736](#)

Bromocresol Purple solution

0.04 wt. % in H₂O



[B0126](#)

Bromophenol Blue

titration: suitable



[114391](#)

Bromophenol Blue

ACS reagent



[114405](#)

Bromophenol Blue sodium salt

Dye content 90 %, ACS reagent



[B8026](#)

Bromophenol Blue sodium salt

for molecular biology, suitable for electrophoresis



[318744](#)

Bromophenol Blue solution

0.04 wt. % in H₂O



[B8630](#)

Bromothymol Blue sodium salt

powder

[318752](#)

Bromothymol Blue sodium salt solution

0.04 wt. % in H₂O

[205478](#)

Bromoxyleneol Blue

indicator grade, Dye content 95 %

[C1359](#)

Calcein AM solution

4 mM in DMSO, ≥90% (HPLC), solution

[M1255](#)

Calcein Blue

fluorescent dye

[C5149](#)

Calcium Ionophore A23187 mixed calcium magnesium salt

Approximate 1:1 molar ratio Ca:Mg. Actual content given on label.

[H3128](#)

Calconcarboxylic acid

suitable for use as an indicator for the titration of calcium

[C1795](#)

Canada balsam

Mounting medium for microscopy

[60610](#)

Canada balsam

for microscopy

[C5132](#)

Carbazole

≥95% (GC)

[1.04175](#)

Carmine (C.I. 75470)

[C3309](#)

Cesium chloride

BioXtra, ≥99.5% (titration)



[C3011](#)

Cesium chloride

Grade I, ≥99.0%



[C6914](#)

Cesium chloride

Grade II, ≥98%



[199524](#)

Chlorophenol Red

indicator grade



[M1782](#)

Chromeazurol B



[27130](#)

Chromotrope 2B

for microscopy



[C80105](#)

Chrysin

97%



[C5548](#)

Clobetasone butyrate

≥98%



[09817](#)

Collodion solution

for microscopy, 2% in amyl acetate



[1.12553](#)

Coomassie Brilliant blue R 250 (C.I. 42660)

for electrophoresis Trademark of Imperial Chemical Industries PLC



[C4529](#)

Coproporphyrin I tetramethyl ester

≥90% (HPLC)



[392995](#)

[Coumarin 314](#)

Dye content 97 %



[393002](#)

[Coumarin 334](#)

Dye content 99 %



[393029](#)

[Coumarin 343](#)

Dye content 97 %



[416541](#)

[Coumarin 7](#)

98%



[114472](#)

[Cresol red](#)

indicator grade, Dye content 95 %



[114480](#)

[Cresol Red sodium salt](#)

indicator grade



[1.04184](#)

[Cresyl violet \(acetate\)](#)

332488

Crystal Violet lactone

Dye content 97 %



192457

Cyclohexanone 2,4-dinitrophenylhydrazone

≥99%



D9564

DAPI, dilactate

≥98% (HPLC)



D7385

Demecolcine

≥98% (HPLC)



D8802

Dextran solution from *Leuconostoc mesenteroides*

20 % (w/w) (Autoclaved)



D9268

Diatrizoic acid

Iodine-containing contrast agent



D1054

Dihydrorhodamine 123

≥95%



69152

Disperse Blue 134

for microscopy



TTR003

Elastic TISSUE-TROL™ Control Slides

human skin containing elastic fibers



45345

Epoxy embedding medium

for microscopy



45359

Epoxy Embedding Medium kit

embedding resin for electron microscopy



45348

Epoxy embedding medium, accelerator

≥95% (NT)



858390

Eriochrome® Black T

ACS reagent (indicator grade)



1.04170

Erythrosine B (C.I. 45430)



E6375

Estriol 3-sulfate sodium salt

≥98% (TLC)



E2028

Ethidium bromide monoazide

≥95% (HPLC), solid



472069

Ethyl 4'-hydroxy-4-biphenylcarboxylate

98%



199567

Ethyl Orange sodium salt

indicator grade, Dye content 90 %



384097

Ethyl viologen dibromide

99%



472662

Ethyl viologen diiodide

99%

384100

Ethyl viologen diperchlorate

98%



E18905

Ethyl(2E)-2-cyano-3-(1H-indolyl-3-yl)acrylate

99%



E3257

Ethylene glycol-bis(succinic acid N-hydroxysuccinimide ester)

powder



368881

Fast Red TR Salt

Dye content 15 %



F6760

Fast Red TR Salt 1,5-naphthalenedisulfonate salt



318922

Ferriin indicator solution

0.1 wt. % in H₂O



F5415

Ficoll® solution

Type 400, 20% in H₂O

- F9926
FIM-1

- 1.04157
Fluorescein-5-isothiocyanate (FITC)

- 1.00496
Formaldehyde solution 4%, buffered, pH 6.9
(approx. 10% Formalin solution) for histology

- 1.04003
Formaldehyde solution about 37%
GR for analysis stabilized with about 10% methanol ACS,Reag. Ph Eur

- TTR004
Fungi TISSUE-TROL™ Control Slides
from mouse lung containing *Candida albicans*

- F0888
Fura 2-AM
≥95% (HPLC)

- 1.09218
Gram's crystal violet solution
for the Gram staining method

- TTR005
Gram Stain TISSUE-TROL™ Control Slides
mouse lung tissue containing *Staphylococcus aureus* and *Escherichia coli*

- 90107
Gram's iodine solution
for microscopy

- H4385
Hanks' Balanced Salt solution
10 ×, Modified, without calcium, magnesium or sodium bicarbonate

- TTR006
Helicobacter TISSUE-TROL™ Control Slides
mouse intestine tissue containing *Helicobacter pylori*

- 1.04302
Hematoxylin cryst. (C.I. 75290)

for microscopy



1.15938

Hematoxylin monohydrate (C.I.75290)

for microscopy Certistain®

SRE0065

HEPES solution, 1M



H3292

Histo/Zyme, pH 7.2, Ready to Use, Antigen Retriever



D2158

Histodenz™

nonionic density gradient medium



10831

Histopaque®-1083

sterile-filtered, density: 1.083 g/mL



1.01676

Histosec™ 60 pastilles (without DMSO)

solidification point 58-60°C, embedding agent for histology



H0792

HISTOSETTE® I Biopsy Processing/Embedding Cassettes

white



H1292

HISTOSETTE® I Biopsy Processing/Embedding Cassettes

yellow



H1167

HISTOSETTE® I Biopsy Processing/Embedding Cassettes

blue



H1417

HISTOSETTE® I Biopsy Processing/Embedding Cassettes

green



H0667

HISTOSETTE® I Tissue Processing/Embedding Cassettes

green



H1042

HISTOSETTE® I Tissue Processing/Embedding Cassettes

yellow



H0917

HISTOSETTE® I Tissue Processing/Embedding Cassettes

blue



H0542

HISTOSETTE® I Tissue Processing/Embedding Cassettes

white



H1252

Homovanillic acid

Fluorimetric reagent



219916

Hydroxy naphthol blue disodium salt

ACS reagent



I5763

Indophenol



I7513

Indoxyl β -D-galactopyranoside



TTR007

Iron TISSUE-TROL™ Control Slides

human liver containing intracellular or extracellular iron



150495

Isopentyl nitrite

96%



T4069

JC-1

solid

60730

Khellin

for microscopy



5202

L-Phenylalanine



274720

Lacmoid



1.01350

Leishman's eosine methylene blue
for microscopy



125660

Leucomalachite Green
powder



391A

Leukocyte Peroxidase (Myeloperoxidase) Kit
DAB substrate kit



1.04177

Light green SF yellowish (C.I. 42095)



103217

Lumichrome



181B

Lymphocyte α -Naphthyl Butyrate Esterase Kit



857890

m-Cresol Purple
indicator grade, Dye content 90 %



211761

m-Cresol Purple sodium salt
Dye content 90 %



1.10329

Malachite-green broth (base)
for microbiology



383538

Malonaldehyde bis(phenylimine) monohydrochloride
97%



1.01424

May-Grünwald's eosine-methylene blue solution modified
for microscopy



M2649

Melanin from *Sepia officinalis*

99% (TLC)



TTR014

Melanin TISSUE-TROL™ Control Slides

from human skin



202029

Metanil Yellow

Dye content 70 %



277878

Methyl 3-amino-5,6-dichloro-2-pyrazinecarboxylate

97%



68250

Methyl Orange

for microscopy (Hist.), indicator (pH 3.0-4.4)



114510

Methyl Orange

ACS reagent, Dye content 85 %

277339

Methyl Purple

in H₂O



250198

Methyl Red

ACS reagent, crystalline



M8256

Methyl Red sodium salt

Crystalline



114502

Methyl Red sodium salt

ACS reagent, Dye content 95 %



Z711047

Microwave Cassette Holder



M1942

Molybdenum Blue spray reagent



69870

Morin hydrate

for microscopy, for the determination of Al, Be, Zn, Ga, In, Sc, 1-2 mol/mol water



M2003

MTT Formazan

powder



TTR008

Mucin TISSUE-TROL™ Control Slides

human intestine tissue containing mucins



407232

N-[(3-(Anilinomethylene)-2-chloro-1-cyclohexen-1-yl)methylene]aniline monohydrochloride

94%



247405

N-[5-(Phenylamino)-2,4-pentadienyldene]aniline monohydrochloride

98%



A5348

N-(5-Aminopentyl)biotinamide trifluoroacetate salt

solid



222542

N-(Diphenylmethylene)glycine ethyl ester

98%



301108

N-Benzylidenebenzenesulfonamide

97%



231304

N-Benzylidenebenzylamine

contains 100 ppm MEHQ as stabilizer, 99%



C6206

N-Carboxymethyl-6-(2,2-dicyanovinyl)-1,2,3,4-tetrahydroquinoline

≥98% (HPLC)



269492

N,N'-Bis(salicylidene)-1,2-phenylenediamine

97%



M8010

N,N'-Dimethyl-9,9'-biacridinium dinitrate

used as chemiluminescent reagent



383783

***N,N'*-Ditridecylperylene-3,4,9,10-tetracarboxylic diimide**

95%



304468

***N,N*-Dibutylaniline**

97%

D5143

***N,N*-Diethyl-*p*-phenylenediamine oxalate salt**

≥85% (TLC)



D4011

***N,N*-Dimethyl-1-naphthylamine**

≥98.0% (GC)



D172405

***N,N*-Dimethyl-4-nitrosoaniline**

97%



379298

***N,N*-Dimethyl-4,4'-azodianiline**

97%



D4139

***N,N*-Dimethyl-*p*-phenylenediamine dihydrochloride**

suitable for peroxidase test, ≥99.0% (titration)



235601

***N,N*-Dimethylindoaniline**

Dye content 97 %



T3134

***N,N,N',N'*-Tetramethyl-*p*-phenylenediamine dihydrochloride**

≥95%, powder



N5625

Naphthol AS phosphate

>99% (TLC), histochemical substrate



N9252

Naphthol AS phosphate disodium salt

≥98% (TLC)



N2125

Naphthol AS-BI phosphate

Technical grade



N3625

Naphthol AS-GR phosphate disodium salt



N5000

Naphthol AS-MX phosphate disodium salt

phosphatase substrate



1.04139

Nigrosine (C.I. 50420)



N5514

Nitro Blue Tetrazolium

tablet



1.04186

Nitro blue tetrazolium chloride (NBT)



N6876

Nitrotetrazolium Blue chloride

≥90.0% (HPLC)



SHH0001

Novec™ 7000 Engineered Fluid

≥99.5%



SHH0002

Novec™ 7100 Engineered Fluid

≥99.5%



C85778

o-Cresolphthalein

indicator grade



P5631

o-Cresolphthalein Complexone

powder

D3252

o-Dianisidine dihydrochloride

≥95%



F5803

o-Dianisidine dihydrochloride

Suitable for use in glucose determination



T8533

o-Tolidine

≥95%



D1556

OptiPrep™ Density Gradient Medium

used for cell and subcellular organelle isolation



A8675

p-Amidinophenyl p-(6-amidino-2-indolyl)phenyl ether dihydrochloride



C9008

p-Coumaric acid

≥98.0% (HPLC)



861324

p-Rosolic acid

Dye content 84 %



D0940

p-Xylene-bis(N-pyridinium bromide)

≥95% (TLC)



1.09253

Papanicolaou's solution 1a Harris' hematoxylin solution

for cytology



1.06888

Papanicolaou's solution 2a Orange G solution (OG 6)

for cytology



1.09272

Papanicolaou's solution 3b polychromatic solution EA 50

for cytology



P3558

Paraplast®

for tissue embedding



76258

Paraplast Plus®

suitable for electron microscopy, pellets (fast-melting)



P3683

Paraplast Plus®

for tissue embedding



P3808

Paraplast X-TRA®

for tissue embedding



TTR009

PAS TISSUE-TROL™ Control Slides

from human kidney



P6863

PDAM

for HPLC derivatization



R2283

Pepsin Reagent, Ready to Use, Antigen Retriever

suitable for immunohistochemistry



P4544

Phenazine ethosulfate

≥95%



114529

Phenol Red

ACS reagent

P4758

Phenol Red sodium salt

pH indicator dye



105945

Phenolphthalein

ACS reagent



1.04176

Phloxin B (C.I. 45410)



79690

Phosphotungstic acid hydrate

for microscopy



P6744

Picric acid solution

1.3% in H₂O (saturated)



P0425

Poly-Prep Slides

poly-L-lysine coated glass slides



SHH0023

PolyFreeze Tissue Freezing Medium

green



SHH0025

PolyFreeze Tissue Freezing Medium

blue



SHH0026

PolyFreeze Tissue Freezing Medium

clear



P2508

Proflavine hemisulfate salt hydrate

powder



P4864

Propidium iodide solution

solution (1.0 mg/ml in water)



429546

Propionaldehyde-2,4-dinitrophenylhydrazone

analytical standard, for environmental analysis



02370

Propyl gallate

for microscopy, ≥98.0% (HPLC)



282820

Protoporphyrin IX zinc(II)

guanylate cyclase inhibitor



229148

Purpurin

Dye content 90 %



P7884

Pyrocatechol Violet

suitable for indicator



P8759

Pyrogallol Red

Suitable for use as a complexometric indicator



Q0501

Quin 2 potassium salt hydrate

≥95%



272442

Reichardt's dye

Dye content 90 %



R0500

Reichstein's substance S

≥98%

T3163

Tetramethylrhodamine isothiocyanate Isomer R

powder



T0820

Tetramethylrhodamine-5-isothiocyanate



390062

Thiazole Orange

Dye content ~90 %



114545

Thymol Blue

ACS reagent



861367

Thymol Blue sodium salt

ACS reagent, Dye content 95 %



T2763

Thymol iodide



274666

Thymoquinone

≥98%



1.04172

Toluidine blue O (C.I.52040)



TTR012

Trichrome TISSUE-TROL™ Control Slides
from human liver



335495

Tris(4-nitrophenyl)amine
technical grade



T8787

Triton™ X-100
for molecular biology



93770

Tuerk solution
for microscopy (for counting of Leukozytes)



U5260

UNISETTE™ Biopsy Processing/Embedding Cassettes
white



U5135

UNISETTE™ Biopsy Processing/Embedding Cassettes
green



U5010

UNISETTE™ Biopsy Processing/Embedding Cassettes
yellow



U5385

UNISETTE™ Biopsy Processing/Embedding Cassettes
blue



U4385

UNISETTE™ Tissue Processing/Embedding Cassettes
yellow



U4635

UNISETTE™ Tissue Processing/Embedding Cassettes
white



U4260

UNISETTE™ Tissue Processing/Embedding Cassettes
blue



U4510

UNISETTE™ Tissue Processing/Embedding Cassettes
green

1.01383

Wright's eosin methylene blue solution
for microscopy



1.09278

Wright's eosine methylene blue
for microscopy



205486

Xylenol Blue
indicator grade, Dye content 90 %



398187

Xylenol Orange tetrasodium salt
ACS reagent



248266

Xylidyl blue I
synthetic colorimetric reagent



1.08298

Xylol-IVD for Microscopy
for histology



452718

Zinc 5,10,15,20-tetra(4-pyridyl)-21H,23H-porphine
Dye content 90 %



Z2251

Zinquin ethyl ester
≥95% (HPLC), solid

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97

Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
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Череповец (8202)49-02-64
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Ярославль (4852)69-52-93

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