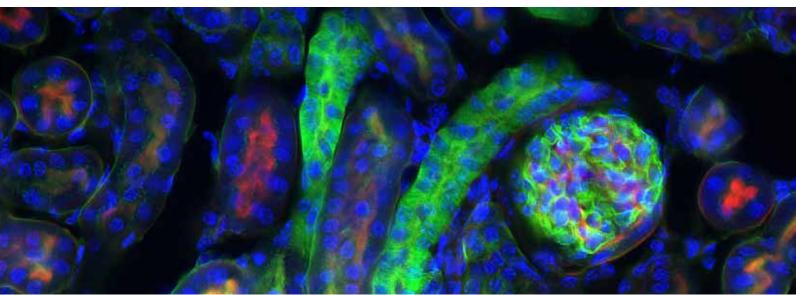


Molecular Biology



Mouse Kidney cells were stained with DAPI, Alexa Fluor® 488 wheat germ agglutinin, Alexa Fluor® 568 phalloidin. Contributed by Walt Metcalfe, Molecular Probes, Inc.; photographed by Gregg Jarvis, Omega Optical, Inc.

- Affinity Chromatography
- Commonly used Reagents
- Dyes and Stains
- Gel Electrophoresis
- Probes
- Charged Microscope Slides

| Life Sciences | | |
|---|------------------------|------------------|
| Molecular Biology | Catalog # | Size |
| Dyes & Stains | | |
| Acridine Orange, C.I. 46005, very high purity [65-61-2] $HU5e$ (3,6-Bis[dimethylamino]acridine hydrochloride hydrate) MW 301.83 DNA intercalating dye. A grade of acridine orange of exceptionally high purity, suitable for quantitative work. Free of inorganic salts. A specific stain for RNA, used as a 2% solution containing 1% lanthanum acetate in 15% acetic acid. λ max 494 \pm 4nm J. Histochem. Cytochem., 22, 495 (1974); 31, 737 (1983); 44, 393 (1996); 49, 921 (2001); J. Lab Med., 15(3), 180 (1984) | 04539-500 04539-5 | 500 mg 5 g |
| 2% Acridine Orange, Ready-to-Use [65-61-2] <i>HU5d</i> Ultrapure DNA intercalating dye. A grade of acridine orange of exceptionally high purity, suitable for quantitative work. Ready-to-use and free of inorganic salts. A specific stain for RNA, used as a 2% solution. Ready-to-use format eliminates the exposure to potentially irritating powdered dyes. <i>J. Histochem. Cytochem., 22, 495 (1974); 31, 737 (1983); 44, 393 (1996); 49, 921 (2001) J. Lab Med., 15(3), 180 (1984)</i> | 24603-10 | 10 ml |
| Bisbenzimide (Hoechst 33258) [23491-45-4] <i>H4abd</i> (2'-[4-Hydroxyphenyl]-5-[4-methyl-1-piperazinyl]-2,5'-bi-1H-benzimidazole tri-hydrochloride pentahydrate; Hoechst 33258) MW 623.97 C ₂₇ H ₃₇ Cl ₃ N ₆ O ₄ Fluorescent chromosome stain. Recommended use is 10mg/ml for 2 – 10 minutes. This will vary based on section thickness. Science, 220, 620 (1983), Anal. Biochem., 179, 401 (1989) Rat Brain Sagittal, 8 micrometer section, stained with Hoechst 33342, Alexa Fluor 568-6FAP (Rb) and Alexa Fluor 488-NF-P (Ms). Photo: Mike Davidson of Florida State University | 09460-100 | 100 mg |
| Cuprolinic blue (Quinolinic phthalocyanine) [41276-95-3] <i>U7ad</i> MW 1,084.54 Intensely blue cationic dye used for the visualization of RNA and other polynucleotides. Stain (microwave) used for enteric neurons. Can also used as a counterstain in immunoperoxidase procedures. <i>Histochem. J.</i> , 15, 801 (1983); 15, 1113 (1983); Biotechniques, 7, 692 (1989) | 17052-100 17052-500 | 100 mg 500 mg |
| 4',6-Diamidino-2-phenylindole dihydrochloride (DAPI) [28718-90-3] <i>U3acd</i> MW 350.25 A cationic fluorescent dye which specifically binds to adenine-thymine-rich DNA. Applications include detection of nanogram quantities of DNA in cellular homogenates, and cytofluorometric determination of the DNA base content in human chromosomes. <i>Available in bulk quantities for OEM users at significant savings</i> . λ max: 342nm Technical Data Sheet #444 <i>Nature, 253, 461 (1975); Anal. Biochem., 92, 497 (1979); Stain Technol., 60, 7 (1985); Eur. J. Biochem., 182, 437 (1989)</i> Mouse Kidney cells were stained with DAPI, Alexa Fluor® 488 wheat germ agglutinin, Alexa Fluor® 568 phalloidin. Contributed by Walt Metcalfe, Molecular Probes, Inc.; photographed by Gregg Jarvis, Omega Optical, Inc. | 09224-10 09224-50 | 10 mg 50 mg |
| Hydroethidine™ (Dihydroethidium bromide) [104821-25-2] HU5cd MW 315.5 mp 202 – 206° Reduced ethidium bromide. A vital stain. Enters and stains living cells without cellular trauma. Double staining system. Stains cytoplasm blue and chromatin red. Excellent cellular retention. Remains incorporated in chromatin with virtually no leakage. Essentially non-toxic. Shows no toxicity at levels useful for visualizing chromatin. Em. max: 420nm Ex. max: 365nm Technical Data Sheet #351 Biotechnology, 3, 4 (1985) | 17084-50 | 50 mg |
| Lissamine Rhodamine B sulfonyl chloride, ~99% [62796-29-6] H3g | 08074-100 | 100 mg |

| Molecular Biology | Catalog # | Size |
|---|----------------------|---------------|
| Mithramycin [18378-89-7] VWX7f (Plicamycin; Aureolic acid; Mithracin) MW 1,085.18 mp 180 – 183° Fluorescent DNA dye. Stain Technol., 60, 145 (1985); Merck Index 11, 7510 | 09330-5 | 5 mg |
| Naphthalene-2,3-dicarboxaldehyde [7149-49-7] HY4g MW 184.19 mp 131 – 133° Highly Purified Grade-single spot TLC Fluorogenic derivatizing agent for amines. Useful for fluorescent determination of serum arginine and for trace amino acid and peptide analysis. | 21486-100 | 100 mg |
| Nitroblue tetrazolium chloride (NBT) [298-83-9] <i>HU6ae</i> MW 817.65 mp 215 – 217° Used for estimating dehydrogenases and other oxidases. Also used in the detection of nucleic acid hybridization and in the detection of ascorbate peroxidase activity in native gels. Totally soluble and formazan free. Methods Enzymol., 6, 958 (1963); Anal. Biochem., 56, 353 (1973); 212, 540 (1993), J. Clin. Lab. Anal., 7, 174 (1993) | 00928-500 00928-1 | 500 mg 1 g |
| Osmium ammine-B [48016-91-7] <i>U5g</i> Stable DNA stain. J. Histochem. Cytochem., 37, 395 (1989) | 21033-100 | 100 mg |
| Propidium iodide [25535-16-4] <i>HVWX6g</i> MW 668.41 mp 220 – 225° Fluorescent marker. Used as a nuclear counterstain and for In situ Hybridization (ISH). λ max: 493nm J. Histochem. Cytochem., 35, 123 (1987) | 03748-100 | 100 mg |
| Rhodamine B isothiocyanate, mixture of isomers [36877-69-7] <i>U5g</i> | 00374-250 | 250 mg |
| Toluidine Blue O, C.I. 52040, certified [92-31-9] <i>U5g</i> MW 305.83 A metachromatic, cationic thiazine dye that is widely used in in vitro biological applications. Also used in techniques for DNAase detection. λ max: 626nm Stain Technol., 18, 35 (1943); 38, 281 (1963); J. Clin. Microbiol., 21, 195 (1985); Arch. Surg., 95, 16 (1967) | 01234-25 | 25 g |
| Toluidine Blue O, C.I. 52040, purified [92-31-9] <i>U5g</i> MW 305.83 Useful for staining RNA, oligodeoxynucleotides, proteins and glycosaminoglycans, skin lesion for Mohs. λ max: 626nm Nature, 213, 1133 (1967); Anal. Biochem., 46, 156 (1972) | 15931-10 | 10 g |
| General Reagents Guanidine Isothiocyanate Solution, 4M [593-84-0] | 25070-500 | 500 ml |
| Guanidine Isothiocyanate, Ultrapure [593-84-0] | 25071-500 | 500 g |

| Molecular Biology | Catalog # | Size |
|---|-----------|-------|
| Probes | | |
| Amine Terminated Polymer Coated Nanoparticles | | |
| 5nm | 24876-1 | 1 ml |
| 20nm | 24877-1 | 1 ml |
| 30nm | 24878-1 | 1 ml |
| Carboxyl Terminated Polymer Coated Nanoparticles | | |
| l5nm | 24870-1 | 1 ml |
| 20nm | 24871-1 | 1 ml |
| 30nm | 24872-1 | 1 ml |
| Methyl Terminated Polymer Coated Nanoparticles | | |
| 5nm | 24879-1 | 1 ml |
| 20nm | 24880-1 | 1 ml |
| 30nm | 24881-1 | 1 ml |
| Neutravidin Terminated Polymer Coated Nanoparticles | | |
| 5nm | 24873-1 | 1 ml |
| 20nm | 24874-1 | 1 ml |
| 30nm | 24875-1 | 1 ml |
| Mercaptyalkyl PEG Gold Nanoparticles Nanoparticle conjugate. Technical Data Sheet #787 A.G. Kanaras, F.S. Kamounah, K. Schaumburg, C.J. Kiely, M. Brust. Thioalkylated tetraethylene glycol: a new ligand for water soluble monolayer protected gold clusters. Chem. Comm. 2002, 20, 2294. | 24688-5 | 5 ml |
| Naked Gold Nanoparticles CH4g 5—8nm bare gold nanoparticles in toluene stabilized by loosely adsorbed tetraoctylammonium bromide. 6. Brust, D. Bethell, D.J. Schiffrin, C. Kiely. Novel Gold-Dithiol Nano-Networks with Non-metallic Electronic Properties. Adv. 6. Mater. 1995, 7, 795. M. Brust, D. Bethell, C. J. Kiely, D. J. Schiffrin. Self-Assembled Gold Nanoparticle Thin Films with Non-M | 24689-5 | 5 ml |
| Chloroauric acid [16961-25-4] <i>H5bd</i> MW 393.8 d 3.90 Jsed for production of colloidal gold solutions. | 00395-1 | 1 g |
| Colloidal Gold Solution, 0.005%, 15-25nm <i>U2w</i> Colloidal gold has been widely used to make bioconjugate probes for labeling and visualizing biologic specimens via light and electron microscopy. Most proteins can be easily coupled to colloidal gold particles with retention of the bound protein's biological activity. Technical Data Sheet #787 | 09285-50 | 50 ml |
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| Molecular Biology Catalog # Size Unconjugated gold colloid (GC) A2dmw PolyGold reagents are of the highest quality and can be relied upon to give reproducible results. For TEM studies, the most convenient sizes of gold particles are Snm., 10nm and 15nm. The long shelf life (12 months when stored at 4° C) makes the use of these reagents economical. Resolution of most SEMs is such that immunolabeling studies require either the use of larger sized gold particles or enhancement of smaller gold particles using silver enhancement (deposition) technology. Accordingly, the gold colloids listed below include 20nm, 30nm and 40nm particles for direct visualization in the SEM. Benefits: | | The state of the s | | |
|--|--|--|----------|--|
| PolyGold reagents are of the highest quality and can be relied upon to give reproducible results. For TEM studies, the most convenient sizes of gold particles are 5mn, 10mn and 15mm. The long shelf life (12 months when stored at 4° C) makes the use of these reagents economical. Resolution of most SEMs is such that immunolabeling studies require either the use of larger sized gold particles or enhancement of smaller gold particles using silver enhancement (deposition) technology. Accordingly, the gold colloids listed below include 20nm, 30nm and 40nm particles for direct visualization in the SEM. Benefits: • High specificity • Low dustering – agglomeration of gold particles is minimal, over 85% of particles being singlets • Discrete particle sizing – narrow particle size distribution allows double labeling to be achieved 10nm 22718-100 100 ml 15nm 22718-100 100 ml 2719-100 100 ml 2719-100 100 ml 2719-100 100 ml 2779-100 100 ml 2770-100 100 ml | Molecular Biology | Catalog # | Size | |
| High specificity Low clustering – agglomeration of gold particles is minimal, over 85% of particles being singlets Discrete particle sizing – narrow particle size distribution allows double labeling to be achieved 10nm 22717-100 100 ml 15nm 22718-100 100 ml 20nm 40nm 22720-100 100 ml 5nm 22716-100 100 ml 5nm 60nm 22703-100 100 ml 22703-100 100 ml 22703-100 100 ml 22703-100 100 ml 2000 ml 2000 ml 2000 ml 2001 ml< | PolyGold reagents are of the highest quality and can be relied upon to give reproducible results. For TEM studies, the most convenient sizes of gold particles are 5nm, 10nm and 15nm. The long shelf life (12 months when stored at 4° C) makes the use of these reagents economical. Resolution of most SEMs is such that immunolabeling studies require either the use of larger sized gold particles or enhancement of smaller gold particles using silver enhancement (deposition) technology. Accordingly, the gold colloids listed below include 20nm, 30nm and | | | |
| Low dustering – agglomeration of gold particles is minimal, over 85% of particles being singlets Discrete particle sizing – narrow particle size distribution allows double labeling to be achieved 10nm 22717-100 100 ml 22718-100 100 ml 22719-100 100 ml 22716-100 100 ml 22720-100 100 ml 22720-100 100 ml 2273-100 100 ml 2273-100 100 ml 2273-100 100 ml 2273-100 100 ml 22703-100 100 ml 22 | Benefits: | | | |
| Discrete particle sizing – narrow particle size distribution allows double labeling to be achieved 10nm 22717-100 100 ml 22718-100 100 ml 22719-100 100 ml 22703-100 100 ml 22 | High specificity | | | |
| 15nm 22718-100 100 ml 20nm 22719-100 100 ml 20nm 22720-100 100 ml 20nm 22720-100 100 ml 20nm 22720-100 100 ml 20nm 22716-100 100 ml 20nm 22716-100 100 ml 20nm 22716-100 100 ml 20nm 22716-100 100 ml 20nm 22703-100 100 ml 20nm 20nm 20nm 20nm 20nm 20nm 20nm 20nm | | | | |
| 22719-100 100 ml 40nm 22720-100 100 ml 5nm 22716-100 100 ml 60nm 22716-100 100 ml 60nm 22703-100 100 ml 60nm 100 ml 6 | 10nm | 22717-100 | 100 ml | ······································ |
| 40nm 22720-100 100 ml 5nm 22716-100 100 ml 22716-100 100 ml 22703-100 100 ml Gel Electrophoresis Acrylamide, Chemzymes Ultra Pure® [79-06-1] HMO6d | 15nm | 22718-100 | 100 ml | |
| 5nm 22716-100 100 ml 60nm 22703-100 100 ml 60nm 22703-100 100 ml Gel Electrophoresis Acrylamide, Chemzymes Ultra Pure® [79-06-1] HMO6d | 20nm | 22719-100 | 100 ml | |
| Gel Electrophoresis Acrylamide, Chemzymes Ultra Pure® [79-06-1] HMO6d MW 71.08 mp 84-85° uninhibited 165° TSCA H ₂ C=CHCONH ₂ Specific conductance of 35% (w/v) solution 2μmho/cm. Used in electrophoresis for separation of nucleic acid fragments and proteins. For introduction of hydrophilic sites, preparation of water-soluble polymers and in electrophoresis. Technical Data Sheet #155 Acrylamide/Bis (Pre-mixed Powder) HMO6d The convenience and safety of premixed acrylamide and methylenebisacrylamide is now available with Polysciences' high quality standards. Acrylamide (Cat. #00019) and N,N'-methylene bisacrylamide (Cat. #00719) are combined in a readily soluble form in exact proportions. Each batch is pretested. Each unit (bottle) contains 30 grams of solids. Add deoinized water to the graduated bottle to make 100ml or 30% stock solution and store for 1 month at 4° C. No handling of toxic powders required. 30% (wt./vol.) acrylamide/bisacrylamide. Technical Data Sheet #479 (19:1) (29:1) 17452-6 6 x 30 g 19847-6 6 x 30 g 19847-6 6 x 30 g 19847-6 6 x 30 g | 40nm | 22720-100 | | |
| Gel Electrophoresis Acrylamide, Chemzymes Ultra Pure® [79-06-1] HMO6d MW 71.08 mp 84-85° uninhibited 165° TSCA H₂C=CHCONH₂ Specific conductance of 35% (w/v) solution 2μmho/cm. Used in electrophoresis for separation of nucleic acid fragments and proteins. For introduction of hydrophilic sites, preparation of water-soluble polymers and in electrophoresis. Technical Data Sheet #155 Acrylamide/Bis (Pre-mixed Powder) HMO6d The convenience and safety of premixed acrylamide and methylenebisacrylamide is now available with Polysciences' high quality standards. Acrylamide (Cat. #00019) and N,N'-methylene bisacrylamide (Cat. #00719) are combined in a readily soluble form in exact proportions. Each batch is pretested. Each unit (bottle) contains 30 grams of solids. Add deoinized water to the graduated bottle to make 100ml or 30% stock solution and store for 1 month at 4° C. No handling of toxic powders required. 30% (wt./vol.) acrylamide/bisacrylamide. Technical Data Sheet #479 (19:1) (19:1) (19:1) 17452-6 6 x 30 g (29:1) 19847-30 30 g (37.5:1) | 5nm | | 100 ml | |
| Acrylamide, Chemzymes Ultra Pure® [79-06-1] HMO6d MW 71.08 mp 84-85° uninhibited 165° TSCA H ₂ C=CHCONH ₂ Specific conductance of 35% (w/v) solution 2μmho/cm. Used in electrophoresis for separation of nucleic acid fragments and proteins. For introduction of hydrophilic sites, preparation of water-soluble polymers and in electrophoresis. Technical Data Sheet #155 Acrylamide/Bis (Pre-mixed Powder) HMO6d The convenience and safety of premixed acrylamide and methylenebisacrylamide is now available with Polysciences' high quality standards. Acrylamide (Cat. #00019) and N,N'-methylene bisacrylamide (Cat. #00719) are combined in a readily soluble form in exact proportions. Each batch is pretested. Each unit (bottle) contains 30 grams of solids. Add deoinized water to the graduated bottle to make 100ml or 30% stock solution and store for 1 month at 4° C. No handling of toxic powders required. 30% (wt./vol.) acrylamide/bisacrylamide. Technical Data Sheet #479 (19:1) 17452-6 6 x 30 g 19847-6 6 x 30 g 19847-6 6 x 30 g 17451-30 30 g | 60nm | 22703-100 | 100 ml | |
| MW 71.08 mp 84-85° uninhibited 165° TSCA H ₂ C=CHCONH ₂ Specific conductance of 35% (w/v) solution 2μmho/cm. Used in electrophoresis for separation of nucleic acid fragments and proteins. For introduction of hydrophilic sites, preparation of water-soluble polymers and in electrophoresis. Technical Data Sheet #155 Acrylamide/Bis (Pre-mixed Powder) HMO6d The convenience and safety of premixed acrylamide and methylenebisacrylamide is now available with Polysciences' high quality standards. Acrylamide (Cat. #00019) and N,N'-methylene bisacrylamide (Cat. #00719) are combined in a readily soluble form in exact proportions. Each batch is pretested. Each unit (bottle) contains 30 grams of solids. Add deoinized water to the graduated bottle to make 100ml or 30% stock solution and store for 1 month at 4° C. No handling of toxic powders required. 30% (wt./vol.) acrylamide/bisacrylamide. Technical Data Sheet #479 (19:1) 17452-6 6 x 30 g 19847-30 30 g 19847-6 6 x 30 g 37.5:1) | Gel Electrophoresis | | | |
| MW 71.08 mp 84-85° uninhibited 165° TSCA H ₂ C=CHCONH ₂ Specific conductance of 35% (w/v) solution 2μmho/cm. Used in electrophoresis for separation of nucleic acid fragments and proteins. For introduction of hydrophilic sites, preparation of water-soluble polymers and in electrophoresis. Technical Data Sheet #155 Acrylamide/Bis (Pre-mixed Powder) HMO6d The convenience and safety of premixed acrylamide and methylenebisacrylamide is now available with Polysciences' high quality standards. Acrylamide (Cat. #00019) and N,N'-methylene bisacrylamide (Cat. #00719) are combined in a readily soluble form in exact proportions. Each batch is pretested. Each unit (bottle) contains 30 grams of solids. Add deoinized water to the graduated bottle to make 100ml or 30% stock solution and store for 1 month at 4° C. No handling of toxic powders required. 30% (wt./vol.) acrylamide/bisacrylamide. Technical Data Sheet #479 (19:1) 17452-6 6 x 30 g 19847-30 30 g 19847-6 6 x 30 g 37.5:1) | Acrylamide, Chemzymes Ultra Pure® [79-06-1] HMO6d | 00019-100 | 100 a | |
| The convenience and safety of premixed acrylamide and methylenebisacrylamide is now available with Polysciences' high quality standards. Acrylamide (Cat. #00019) and N,N'-methylene bisacrylamide (Cat. #00719) are combined in a readily soluble form in exact proportions. Each batch is pretested. Each unit (bottle) contains 30 grams of solids. Add deoinized water to the graduated bottle to make 100ml or 30% stock solution and store for 1 month at 4° C. No handling of toxic powders required. 30% (wt./vol.) acrylamide/bisacrylamide. Technical Data Sheet #479 (19:1) (19:1) (29:1) 17452-6 6 x 30 g 19847-30 30 g (37.5:1) | MW 71.08 mp 84-85° uninhibited 165° TSCA H_2 C=CHCON H_2 Specific conductance of 35% (w/v) solution 2μ mho/cm. Used in electrophoresis for separation of nucleic acid fragments and proteins. For introduction of hydrophilic sites, preparation of | | _ | |
| (29:1) 19847-30 30 g 19847-6 6 x 30 g (37.5:1) 17451-30 30 g | The convenience and safety of premixed acrylamide and methylenebisacrylamide is now available with Polysciences' high quality standards. Acrylamide (<i>Cat. #00019</i>) and N,N'-methylene bisacrylamide (<i>Cat. #00719</i>) are combined in a readily soluble form in exact proportions. Each batch is pretested. Each unit (bottle) contains 30 grams of solids. Add deoinized water to the graduated bottle to make 100ml or 30% stock solution and store for 1 month at 4° C. No handling of toxic powders required. 30% (wt./vol.) acrylamide/bisacrylamide. | | | |
| (29:1) 19847-30 30 g 19847-6 6 x 30 g (37.5:1) 17451-30 30 g | (19:1) | 17452-6 | 6 x 30 q | . |
| (37.5:1) 17451-30 30 g | <u>- incoming the control of the contr</u> | <mark>.</mark> | . | · · · · · · · · · · · · · · · · · · · |
| | | 19847-6 | 6 x 30 g | |
| 17451-6 6 x 30 g | (37.5:1) | 17451-30 | 30 g | |
| | | 17451-6 | 6 x 30 g | |
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| Lite Sciences | | |
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| Molecular Biology | Catalog # | Size |
| Agarose, Molecular Biology Grade A2g | 23689-50 | 50 g |
| Agarose is a natural complex polysaccharide isolated from agar or agar-bearing marine algae. It forms a clear gel matrix that is very useful for electrophoresis, immuno-electrophoresis and immunodiffusion. It is ideally suited for electrophoretic separation of proteins and nucleic acids and for PCR product analysis. | 23689-100 | 100 g |
| Applications: | | |
| DNA restriction fragment separation | | |
| PCR product separation Southern and Northern blotting | | |
| Pulsed field electrophoresis | | |
| Immunoelectrophoresis | | |
| • Laurell rocket | | |
| • Immunodiffusion | | |
| Protein electrophoresis | | |
| • Gelling temp. 35 – 40° C | | |
| • Melting temp. 86 – 90° C | | |
| • Sulfate content Gel strength >1000 g/cm² (1%) | | |
| ElectroPure TM Silver Stain Kit BHMV7g Silver staining is a highly sensitive method for detecting proteins in polyacrylamide slab gels. Most silver staining protocols are time consuming, complicated, and dependent upon the purity of the reagents. Polysciences' Silver Stain Kit is simple, stable, controllable, and very rapid. Our method is sensitive to proteins in the nanogram range and may be used either before or after Coomassie blue staining. Staining for proteins is initiated in an alkali environment. Protein amino groups as well as cysteine and methionine sulfur groups are complexed with silver Stain Kit. Gel stained with Silver Stain Kit. | 16717-1 | 1 kit |
| Kit Contains: | | |
| • Sodium Hydroxide, Formaldehyde, Ammonium Hydroxide, Silver Nitrate and Citric acid | | |
| Ethidium bromide [1239-45-8] <i>H5g</i> | 04033-5 | 5 g |
| Glycerol, USP (Glycerine) [56-81-5] <i>A2g</i> | 00084-100 | 100 g |
| MW 92.09 bp 182°/20mm Used as cryoprotectant to help prevent ice crystal damage to specimens. Substrate for the assay of glycerol dehydrogenase, glycerol oxidase, and glycerokinase. Methods Enzymol., 1, 397 (1955); 42, 148 (1975); 89, 243 (1982) | 00084-1 | 1000 g |
| N,N'-Methylenebisacrylamide, Chemzymes®; Ultra Pure, Purity >99% [110-26-9] HV6d | 00719-25 | 25 g |
| MW 154.17 mp 300° TSCA (H ₂ C=CHCONH) ₂ CH ₂ High purity crosslinking monomer used for precision PAGE. Also suitable for UV scanning gels. Crosslinking monomer used especially with acrylamide. Purity >99% Conductivity of 2% soln/ <5mmho Technical Data Sheet #479 | 00719-100 | 100 g |
| | | |

| Molecular Biology | Catalog # | Size |
|--|-----------|--------------|
| N,N,N',N'-Tetramethylethylenediamine, Chemzymes Ultra Pure® (TEMED) [110-18-9] BCH6q | 08036-10 | 10 x 5 ml |
| MW 116.21 bp 120 – 122° | | |
| Polymerization accelerator with ammonium persulfate or riboflavin initiation. Supplied in N2 | | |
| sealed ampoules. Anal. Biochem., 35, 533 (1970); 74, 620 (1976) | | |
| PolyPAGE-40 Acrylamide/Bis Liquid Solutions HMO6d | | |
| By varying the monomer (acrylamide) and crosslinker (bisacrylamide) concentrations in a polyacrylamide gel, one can optimize the pore size of the gel to give the best separation and resolution for your specific molecule. Polysciences offers the following convenient ready to use liquid formulations. Each PolyPAGE-40 product is specially produced to ensure maximum stability and shelf life and is guaranteed for 3 years. | | |
| 19:1 solution | 24170-100 | 100 ml |
| | 24170-6 | 6 x 100 ml |
| 29:1 solution | 24169-100 | 100 ml |
| | 24169-6 | 6 x 100 ml |
| 37.5:1 solution | 24165-500 | 500 ml |
| 57.5.1 Soldion | 24165-100 | 100 ml |
| | 24165-6 | 6 x 100 ml |
| | 24105-0 | 0 X 100 1111 |
| Stains-all [7423-31-6] <i>H5g</i> | 03943-1 | 1 a |
| (1-Ethyl-2-[3-(1-ethylnaphtho[1,2-d]thiazolin-2-ylidene)-2-methylpropenyl]naphtho[1,2-d]thiazo- | | 1 g |
| lium bromide, 3,3 -Diethyl-9-methyl-4,5,4,5 -dibenzothiacarbocyanine) MW 559.6 C ^{30H} 27BrN ² S ² Stains proteins red, DNA blue, and RNA bluish-purple. Also useful for staining acid polysaccharides. Biochim. Biophys. Acta, 264, 73 (1972); Anal. Biochem., 29, 421 (1969); 56, 43 (1973); J. Histochem. Cytochem., 22, 1169 (1974) | 03943-5 | 5 g |
| Trichloroacetic acid, 98% [76-03-9] <i>BK4d</i> | 01241-250 | 250 g |
| Affinity Chromatography | | |
| Androstan Sepharose® 6B Novel Immobilized Steroid Beads CH7d Typical ligand loading 10 – 14 μmoles/mL bead. | 24858-1 | 1 ml |
| New! Cibacron Blue, F3GA, C.I. 61211, Affinity Chromatography Grade [12236-82-7] <i>U5g</i> | 25721-1 | 1 g |
| (Reactive Blue 2) MW 774.16 | 25721-5 | J |
| Sulfonated triazine dye that can be immobilized on a support | | 5 g |
| matrix and used for affinity chromatography of proteins. Also used for probing nucleotide binding sites in proteins. 1H NMR and mass spectrometry data are consistent with the structure shown. Meta and para sulfonic acid F-ring isomers available on request. Call for quote. Appearance: Powder Methods Enzymol., 80, 754 (1981); Biochem. Biophys. Res. | 25721-100 | 100 g |
| Dexamethasone Sepharose® 6B Novel Immobilized Steroid Beads CH7d | 24859-1 | 1 ml |
| Typical ligand loading 10 – 14 μmoles/mL bead. | 24009-1 | 1 1111 |
| OH OH | | |

| Life Sciences | | |
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| Molecular Biology | Catalog # | Size |
| Estradiol Sepharose® 6B Novel Immobilized Steroid Beads CH7d Typical ligand loading 10 – 14 μmoles/mL bead. | 24861-1 | 1 ml |
| Long Spacer Arm Dexamethasone Sepharose® 6B Novel Immobilized Steroid Beads CHU4d Typical ligand loading 10 – 14 μmoles/mL bead. | 24869-1 | 1 ml |
| Nortestosterone Sepharose® 6B Novel Immobilized Steroid Beads CH7d Typical ligand loading 10 – 14 µmoles/mL bead. | 24860-1 | 1 ml |
| RHC-80267 (U-57908) Sepharose® 6B Novel Immobilized Steroid Beads CHU4d Typical ligand loading 12 – 15 μmoles/ mL bead. Use to purify diacylglycerol (DAG) lipases. | 24868-1 | 1 ml |
| Microscope Slides Tissue Tack™ Microscope Slides – Plus (+) Glass Treated with a specially formulated aminoalkylsilane, Tissue Tack slides provide a positively charged surface, which permits instant coupling of negatively charged tissue sections. The resultant bond stands up to the very aggressive solutions used in In-Situ Hybridization procedures. Slides are available with a white label. Technical Data Sheet #518 | 24216-1 | 72 slides |
| | | |