

BIOLOGICAL STAINS

Available in the MSSC collection (July 2005)

Description (name)	Solution/Powder	Company	Location
Aceto Orcein, 2% (w/v) (2 bottles)	Solution	Spectrum	J.
Accustain, Wright Stain Modified	Solution		J.
Acid Fuchsin solution	Solution	Spectrum	J.
Acridine Orange (Basic Orange 14),	Powder	Spectrum	J.
Alum Carmine (Matheson Coleman & Bell=MCB)	Powder	MCB	J.
Amaranth (Acid Red 27), AX760	Powder	MCB	J.
Basic Fuchsin	Solution	Spectrum	J.
Basic Fuchsin, pararosanlin BX0135-7	Powder	MCB	J.
Basic Fuchsin, indicator, BX140	Powder	MCB	J.
Borax Carmine	Solution	Spectrum	J.
Borax Carmine, BX850	Powder	MCB	J.
Brilliant Green, BX0950-1	Powder	MCB	J.
Brilliant Yellow, indicator. BX960	Powder	MCB	J.
Bromophenol Blue (Water soluble), BR145	Powder	Spectrum	J.
Camco Quik Stain, Buffered Wright's Stain	Solution		J.
Carbol Fuchsin, Ziehl-Neelsen	Solution		J.
Clayton Yellow (Direct Yellow 9)	Powder	MCB	J.
Congo Red (Direct Red 28), C0128	Powder	Spectrum	J.
Cresol Red	Solution		J.
Eosin B, B285	Powder	MCB	J.
Eriochrome Black T, ER110	Powder	Spectrum	J.
Evans Blue (Direct Blue 53), EX975	Powder	MCB	J.

Gentian Violet (crystal violet), G1006	Powder	Spectrum	J.
Gentian Violet, gram's crystal violet	Solution		J.
Gentian Violet, Hucker Stain	Solution	Spectrum	J.
Giemsa Stain, GI120	Powder	Spectrum	J.
Giemsa (Stock solution)	Solution		J.
Gomori Richromi stain	Solution		J.
Hematoxylin Solution	Solution	Sigma Diag.	J.
Indigo Carmine, indicator, NB315	Powder	MCB	J.
Indigo, synthetic (Vat Blue 1), IN110	Powder	Spectrum	J.
Indigo, synthetic (Vat Blue), IX55	Powder	MCB	J.
Janus Green B, B321	Powder	MCB	J.
Litmus, granular, LX370	Powder	MCB	J.
Malachit Green, crystal Tech grade, MA143	Powder	Spectrum	J.
Methyl Red, MI285	Powder	MCB	J.
Methyl Red Hydrochloride, 2696	Powder	Baker Analysis	J.
Methyl Green pyronin stain	Solution		J.
Methylene Blue, 687X	Solution		J.
Methylene Green, ME150, Lot No.CD416	Powder	Chem. MFG Corp.	J.
New Methylene Blue N.	Powder	J.T.Baker Chem.	J.
Neutral Red (Basic Red 5), NE113	Powder	Chem. MFG Corp.	J.
Orange G, OX0185/-5	Powder	MCB	J.
Orcienin (synthetic), B743	Powder	MCB	J.
Phloxine B, PX976	Powder	MCB	J.
Rhodamine 6G. (Basic Red 1),	Powder	Spectrum	J.

Rhodamine B, (Basic Violet 10), Base-spirit soluble,	Powder	MCB	J.
Rose Bengal (Acid Red 94), RX0155-3	Powder	EM	J.
Safranin “O”, W/A	Solution	Spectrum	J.
Safranin O, (Basic Red 2), DD147	Powder	Spectrum	J.
Sudan Black B (solvent black), DG023	Powder	Chem. MFG Corp.	J.
Trichrome Stain, Wheatley’s Modification (3 bottles)	Solution		J.
Gomori’s, one step Trichrome stain	Solution	Poly Sci.	J.
Victoria Blue B, VX0065-1	Powder	MCB	J.
Wright’s Stain, Regular Solution	Solution	Spectrum	J.

J. = from Jim

The following stains are available from Bill Hudson and are listed below. B = Bill

Description (name)	Solution/Powder	Company	Location
Bubreit Scarlet WS	Powder		B.
Eriochrome Black T	Powder		B.
Fenna	Powder		B.
Giemsa	Powder		B.
Methyl Red, Na	Powder		B.
Nigrosin Stain	Powder		B.
Ogo Violet	Powder		B.
Orange G.	Powder		B.
Pantacyl Carmine 2B	Powder		B.
Safranin	Solution		B.
Sudan Black	Powder		B.
Wool Violet	Powder		B.
Wright’s Stain	Powder		B.

On hand dry stains recommended by J.D. Corrington (most commonly used).

Acid fuchsin
Anilin blue
Carmin
Congo Red
Eosin Y, water and alcohol soluble
Fuchsin or Basic Fuchsin
Gentian violet or Crystal violet
Hematoxylin
Iron Hematoxylin
Light green
Methyl green
Methyl violet
Neutral red
Phloxine
Safranin
Orange G.
Wright's blood stain

Common Staining Solutions, prepared for use: from J.D. Corrington.

Acid fuchsin, 1% in 70% Alcohol, 1 oz.
Anilin blue, 1% in 95% Alcohol, 2 oz.
Borax carmine, Greenacher's, 2 oz.
Delafield's haematoxylin, 2 oz.
Eosin, 1% in 70% alcohol, 2 oz.
Light green, 1% in 95% alcohol, 2 oz.
Methyl violet, 1% in 95% alcohol, 1 oz.
Neutral red, 1% in distilled water, 1 oz.
Phloxine, 1% in 95% alcohol, 2 oz.
Safranin, 1% in 50% alcohol, 2 oz.
Wright stain for blood, 1 oz.

Common source of stain-formulas and instructions can be found in *Working with the Microscope (1941)*, by Julian D. Corrington. Please see page 341 for a good list of stains.