

Instructions for Use

Classic H&E Stains



CATALOG NUMBER	DESCRIPTION	UNIT OF MEASUREMENT
SL90-16	Harris Hematoxylin, 500 mL	1 each
SL90-1	Harris Hematoxylin, 1 gallon	1 each
SL97-16	Gill 1 Hematoxylin, 500 mL	1 each
SL97-1	Gill 1 Hematoxylin, 1 gallon	1 each
SL94-16	Gill 2 Hematoxylin, 500 mL	1 each
SL94-1	Gill 2 Hematoxylin, 1 gallon	1 each
SL95-16	Gill 3 Hematoxylin, 500 mL	1 each
SL95-1	Gill 3 Hematoxylin, 1 gallon	1 each
SL98-16	Eosin-Y, Alcoholic, 500 mL	1 each
SL98-1	Eosin-Y, Alcoholic, 1 gallon	1 each
SL104	Eosin with Phloxine B, 500 mL	1 each
HXHHELT	MasterTech Harris Hematoxylin, 1 liter	1 each
HXHHEGAL	MasterTech Harris Hematoxylin, 1 gallon	1 each
HXGHE1LT	MasterTech Gill 1 Hematoxylin, 1 liter	1 each
HXGHE1GAL	MasterTech Gill 1 Hematoxylin, 1 gallon	1 each
HXGHE2LT	MasterTech Gill 2 Hematoxylin, 1 liter	1 each
HXGHE2GAL	MasterTech Gill 2 Hematoxylin, 1 gallon	1 each
HXGHE3LT	MasterTech Gill 3 Hematoxylin, 1 liter	1 each
HXGHE3GAL	MasterTech Gill 3 Hematoxylin, 1 gallon	1 each
HXMMHPT	Modified Mayer's Hematoxylin, 1 pint	1 each
HXMMHGAL	Modified Mayer's Hematoxylin, 1 gallon	1 each
STE0157	MasterTech Eosin Y Stain, 1 gallon	1 each
STE0243	MasterTech Eosin Y, Phloxine B, 1 pint	1 each
STE0250	MasterTech Eosin Y, Phloxine B, 1 liter	1 each
STE0257	MasterTech Eosin Y, Phloxine B, 1 gallon	1 each
STE0357	MasterTech Aqueous Eosin Y, 1 gallon	1 each
HXDD00142E	MasterTech Differentiating Solution, 1 gallon	1 each
HXB00242E	MasterTech Bluing Solution, 1 gallon	1 each

INTENDED USE

Before hybrid stains, there were classic options of Harris and Gill. StatLab's line of high-quality classic stains are exactly what the doctor ordered.

HARRIS HEMATOXYLINS

Modified traditional formulations. Generally used as a regressive stain; but may also be used in progressive staining protocols. Produces superior rapid and distinct nuclear detail.

GILL 1 HEMATOXYLINS

Low dye concentration and preferred nuclear stain to use for cytology specimens. Used progressively, Gill 1 optimally stains for both gynecological and nongynecological specimens. Produces exceptional nuclear clarity.

GILL 2 HEMATOXYLINS

Medium dye concentration for histology or intense cytology staining. Produces a darker nuclei appearance or can be used when shorter staining times are needed. Nuclear detail is very distinct and has great clarity.

GILL 3 HEMATOXYLINS

High dye concentration for frozen or intense histology staining. Recommended for most routine histology and frozen sections. Produces a dark and rapid nuclear stain.

MODIFIED MAYER'S HEMATOXYLIN

An excellent hematoxylin stain that requires no differentiation or bluing solution. Also widely used as an IHC counterstain.

EOSIN-Y, ALCOHOLIC

Ready-to-use counterstain for routine H&E procedures. Produces a brilliant counterstain with excellent differentiation of cytoplasmic details and non-nuclear tissue components.

MASTERTECH EOSIN Y STAIN

1% alcoholic Eosin-Y that stains cytoplasmic structures, collagen, and basement membranes various shades of pink.

EOSIN WITH PHLOXINE B

Cytoplasmic counterstain that provides a brighter reddish stain in muscle and other connective tissue. Provides a more dramatic color contrast than traditional Eosin-Y.

MASTERTECH AQUEOUS EOSIN Y

Aqueous Eosin Y allows you **(one)** to eliminate a source of hazard with no compromise. Aqueous Eosin Y will produce the same results as a traditional Eosin-Y.

MASTERTECH DIFFERENTIATING AND BLUING SOLUTIONS

Provide precise H&E stain differentiation and superb cellular bluing every time.

StatLab Medical Products
 2090 Commerce Drive, McKinney, TX 75069
 StatLab.com Phone: +1 800-442-3573



Instructions for Use

Classic H&E Stains



TECHNICAL NOTES

Protocols can be optimized to lab preference. Product change is dependent on the end user's own quality assurance program. Generally, solutions should be changed every week for optimal results. Solutions should be covered when not in use. If the last alcohol after eosin is pink or tinted pink, alcohols should be rotated or changed.

Distilled or deionized water is preferred for use in the staining procedures. Tap water can cause contaminants that will affect staining quality.

If using xylene substitutes, they must be free of water and may require more frequent rotation or change.

StatLab Eosins are designed to go directly into 100% Reagent Alcohol and may not be effective if placed in 95% or 70% alcohol after staining.

Focus™ Acid Alcohol contains hydrochloric acid to rapidly remove excess stain and produce better defined nuclei. Recommended for use with manual staining as extended time may eliminate too much stain.

Dispose of all staining reagents in accordance with local, state, and federal regulations. See SDS for more information.

SAMPLE STAINING PROCEDURE FOR ROUTINE H&E - STATLAB CLASSIC STAINS

1	Clearing Reagent	2 minutes
2	Clearing Reagent	2 minutes
3	Clearing Reagent	2 minutes
4	100% Reagent Alcohol	1 minute
5	100% Reagent Alcohol	1 minute
6	100% Reagent Alcohol	1 minute
7	95% Reagent Alcohol	1 minute
8	Water Rinse	30 seconds
9	Hematoxylin	3 minutes
10	Water Rinse	1 minute
11	Hi-Def 3.5 (Acid Rinse)	30 seconds
12	Water Rinse	1 minute
13	Bluing Reagent	1 minute
14	Water Rinse	1 minute
15	95% Reagent Alcohol	15 seconds
16	Eosin	30 seconds
17	100% Reagent Alcohol	1 minute
18	100% Reagent Alcohol	1 minute
19	100% Reagent Alcohol	1 minute
20	Clearing Reagent	1 minute
21	Clearing Reagent	1 minute
22	Clearing Reagent	1 minute
	Coverslip	

SAMPLE STAINING PROCEDURE FOR ROUTINE H&E - MASTERTECH CLASSIC STAINS

1	Clearing Reagent	5 minutes
2	Clearing Reagent	5 minutes
3	100% Reagent Alcohol	1 minute
4	100% Reagent Alcohol	1 minute
5	100% Reagent Alcohol	1 minute
6	95% Reagent Alcohol	1 minute
7	Water Rinse	30 seconds
8	Hematoxylin	5 minutes
9	Water Rinse	1 minute
10	Differentiating Solution	2-3 dips

11	Water Rinse	1 minute
12	Bluing Reagent	30-40 seconds
13	Water Rinse	1 minute
14	70% Reagent Alcohol	1 minute
15	Eosin	30-60 seconds
16	100% Reagent Alcohol	1 minute
17	100% Reagent Alcohol	1 minute
18	100% Reagent Alcohol	1 minute
19	Clearing Reagent	1 minute
20	Clearing Reagent	1 minute
21	Clearing Reagent	1 minute
	Coverslip	

SAMPLE STAINING PROCEDURE FOR ROUTINE H&E - MASTERTECH MAYER'S HEMATOXYLIN

1	Clearing Reagent	5 minutes
2	Clearing Reagent	5 minutes
3	100% Reagent Alcohol	1 minute
4	100% Reagent Alcohol	1 minute
5	100% Reagent Alcohol	1 minute
6	95% Reagent Alcohol	1 minute
7	Water Rinse	30 seconds
8	Hematoxylin	5 minutes
9	Water Rinse	1 minute
10	70% Reagent Alcohol	1 minute
11	Eosin	30-60 seconds
12	100% Reagent Alcohol	1 minute
13	100% Reagent Alcohol	1 minute
14	100% Reagent Alcohol	1 minute
15	Clearing Reagent	1 minute
16	Clearing Reagent	1 minute
	Coverslip	

These protocols are recommendations only. Modifications may be necessary.

Contact your sales representative if interested in StatLab's **Stain Evaluation Program** to explore alternatives to improve efficiency and quality.

Please contact tech@statlab.com with any additional questions.

StatLab Medical Products
2090 Commerce Drive, McKinney, TX 75069
StatLab.com Phone: +1 800-442-3573

