

For more information: 1.800.733.5252

SHURStain™ Tru Classic H&E Stains

The SHURStain™ Tru Classic family of H&E stains is the classic group of staining reagents designed to produce precise, consistent H&E staining. Choice of reagents and staining times will depend on the use and the personal preference of the diagnosing physician. The following are guidelines that will help establish a custom protocol for your specific needs. The hematoxylin and eosin stains can have an expected throughput of 1,500-2,000 slides per change. Actual results may vary from lab to lab depending on the staining equipment used, control of carry over into each solution, and length of time stains are left exposed. As a general rule, we recommend changing the hematoxylin and eosin stains once per week if throughput has not been reached. The clarifier and bluing solutions should be changed more often.

SHURStain™ Tru Harris Hematoxylin

SHURStain™ Tru Harris Hematoxylin is a modified traditional formulation. When used in accordance with our staining guidelines it will produce rapid, crisp, and well delineated nuclear detail. SHURStain™ Tru Harris Hematoxylin is a regressive stain but can also be used in a progressive staining protocol. It comes in two configurations, 1 gallon or 500ml bottles.

After hematoxylin staining, excess hematoxylin is rinsed from the tissue section and slides are exposed to one of the SHURStain clarifiers for 30-90 seconds.

SHURStain™ Tru Gill's I, II, & III Hematoxylin

SHURStain™ Tru Gill's Hematoxylin's can be used as a progressive stain or as a regressive stain and is available in three dye concentrations: Gill's I, Gill's II, and Gill's III. These hematoxylin's produce precise nuclear staining showing crisp nuclear membranes and nucleoplasm, exact staining of nucleoli, and minimum staining of cytoplasm and mucin.

After hematoxylin staining, excess hematoxylin is rinsed from the tissue section and slides are exposed to one of the SHURStain clarifiers for 30-90 seconds.

SHURStain™ Tru Eosins are available in two different versions to accommodate the varying preferences in cytoplasmic staining. The standard SHURStain™ Tru Alcoholic Eosin is a ready-to-use alcoholic eosin that allows for exceptional differentiation and contrast between cytoplasmic components and nuclei, staining the cytoplasm various shades of pink and red. SHURStain™ Tru Aqueous Eosin is a ready-to use eosin and is buffered to an acidic pH.

Prior to staining in eosin, tissue sections should be rinsed in alcohol. The concentration of the alcohol rinse can range from 70% to 80%. This helps reduce the negative effects on the eosin caused by carry over.

Excellent results can be obtained with one of the SHURStain™ Tru Eosins with a staining time of 60 to 90 seconds. A staining time of 60 seconds is recommended as a starting point, with an increase of 30 second intervals until the desired color and density of the cytoplasm is achieved.

Recommended automated and manual histology staining procedure for SHURStain™ Tru Classic Stains

	Solution	Time
1	Xylene*	3 minutes
2	Xylene*	3 minutes
3	Xylene*	3 minutes
4	100% Ethanol	1 minute
5	100% Ethanol	1 minute
6	100% Ethanol	1 minute
7	70 to 80% Ethanol	1 minute
8	Running H2O Wash	1 minute
9	Hematoxylin	2-5 minutes
10	Running H2O Wash	1 minute
11	Clarity	30-90 seconds
12	Running H2O Wash	1 minute
13	TruBlu	1 minute
14	Running H2O Wash	1 minute
15	70% to 80% Ethanol	45 seconds
16	Eosin	60-90 seconds
17	100% Ethanol	1 minute
18	100% Ethanol	1 minute
19	100% Ethanol	1 minute
20	Xylene*	1 minute
21	Xylene*	1 minute
22	Xylene*	1 minute

Final Step: Mount and Coverslip with SHURMount™ Mounting Media

XydeClear xylene substitute may be used in place of Xylene.

Times in Xylene substitutes may need to be extended.

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