



F.S. Hematoxylin™

Intended Use

BBC F.S. Hematoxylin™ is designed for rapid and precise staining of frozen sections. F.S. Hematoxylin™ stains nuclear detail crisply and strongly, and it assures excellent counterstaining by eosins. BBC also manufactures a variety of other hematoxylin, but we recommend F.S. Hematoxylin™ for staining of frozen sections. F.S. Hematoxylin™ is particularly outstanding for frozen sections of skin.

BBC also presents modified Harris, Mayer's and Gill's Hematoxylin. These hematoxylin are modified for specific nuclear staining of the highest precision and clarity. BBC offers the Histologist and Cytologist their choices of a progressive (Mayer's or Gill's Hematoxylin) or regressive stains (Harris Hematoxylin). Harris Hematoxylin can be chosen with or without mercuric oxide. Harris and Mayer's Hematoxylin are used primarily for histology; Gill's Hematoxylin I and II are used primarily for cytology, and Gill's Hematoxylin II & III can be used for Cytologic or Histologic applications. All BBC Hematoxylin formulations produce rapid and distinctive nuclear staining and all have been ripened to their peak of staining prior to shipping.

General Information

BBC is pleased to provide excellent hematoxylin for use in histology and cytology laboratories. Our hematoxylin are specifically prepared to produce optimum staining in rapid time. Unless specifically requested, none of our hematoxylin contain mercury. We manufacture hematoxylin for histology and cytology, and we have hematoxylin formulated for regressive or progressive staining. Some of these include: Harris's, Mayer's, Gill's and others. All hematoxylin are manufactured according to strict quality control and usually are improved formulations to achieve superior performance and results.

Of particular interest is our Harris Hematoxylin. It is the hematoxylin we recommend for routine regressive or progressive use on frozen sections. F.S. Hematoxylin™ is a basic dye (hematein-aluminum complex), and ours produces magnificently stained tissue sections. Our Harris hematoxylin has the optimum of oxidation, the proper pH, the ideal amount of special added differentiators, and the correct amount of aluminum for a long shelf life. It is quality controlled to be at optimum staining power when shipped to you. This F.S. Hematoxylin™ produces precise nuclear staining showing crisp nuclear membranes and nucleoplasm, exact staining of nucleoli, and just the right amount of staining of cytoplasmic carboxyl and sulfate groups to promote excellent differentiation of eosin as a counterstain.

We are pleased to offer these hematoxylin, and we will enjoy working with you to achieve excellent histologic staining using hematoxylin and eosin.

Packaging

Catalog #	Volume
6510	1 qt.

Fixation Procedure

F.S. Hematoxylin™ is used for nuclear staining following a variety of fixatives. We recommend BBC F.S. Fixative™ for fixation of frozen section tissues. Fixation of frozen sections requires only 5 seconds to support a rapid staining by BBC's frozen section kit. Other fixatives may be used also with F.S. Hematoxylin™.

Staining Procedure

BBC RECOMMENDED REGRESSIVE AUTOMATED AND MANUAL HISTOLOGY STAINING PROCEDURE FOR BBC F.S. HEMATOXYLIN™ AND BBC F.S. EOSIN™

Step *	Solution	Time
1.	F.S. Fix™	5-10 seconds
2.	H ₂ O	5 seconds
3.	F.S. Hematoxylin™	1 minute
4.	H ₂ O	10 seconds
5.	F.S. Acid Alcohol™	1 seconds
6.	H ₂ O	5 seconds
7.	F.S. Blueing Solution™	2 seconds
8.	H ₂ O	10 seconds
9.	F.S. Eosin™	10 seconds
10.	Ethanol	10 seconds
11.	Ethanol	10 seconds
12.	Xylene	10 seconds
13.	Xylene	10 seconds
14.	Coverslip & Optic Mount II™	

BBC RECOMMENDED PROGRESSIVE AUTOMATED AND MANUAL HISTOLOGY STAINING PROCEDURE FOR BBC F.S. HEMATOXYLIN™ AND BBC F.S. EOSIN™

1.	F.S. Fix™	5-10 seconds
2.	H ₂ O	5 seconds
3.	F.S. Hematoxylin™	30 seconds
4.	H ₂ O	10 seconds
5.	F.S. Blueing Solution™	2 seconds
6.	H ₂ O	10 seconds
7.	F.S. Eosin™	10 seconds
8.	Ethanol	10 seconds
9.	Ethanol	10 seconds
10.	Xylene	10 seconds
11.	Xylene	10 seconds
12.	Coverslip & Optic Mount II™	