



F.S. Kit™

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### Intended Use

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BBC's F.S. Kit™ is designed for rapid and precise staining of frozen sections. F.S. Kit™ stains nuclear detail crisply and strongly, and it includes excellent counterstaining by eosins. All BBC formulations produce distinctive nuclear staining for rapid interpretation.

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### General Information

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F.S. Kit™ produces magnificently stained tissue sections. Our F.S. 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 F.S. Eosin™ as a counter stain.

We are pleased to offer these rapid reagents, and we will enjoy working with you to achieve excellent frozen histologic staining using our F.S. Kit™.

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### Packaging

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Catalog #	Volume
6400	Frozen Section (FS) Kit, 1 pint each
6500	F.S. Fix™, 1 pint
6510	F.S. Hematoxylin™, 1 pint
6520	F.S. Acid Alcohol™, 1 pint
6530	F.S. Blueing Solution™, 1 pint
6540	F.S. Eosin™, 1 pint
6505	F.S. Fix™, 1 gallon
6511	F.S. Hematoxylin™, 1 gallon
6521	F.S. Acid Alcohol™, 1 gallon
6531	F.S. Blueing Solution™, 1 gallon
6541	F.S. Eosin™, 1 gallon

Store all solutions at Room Temperature.

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### Fixation Procedure

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F.S. Hematoxylin™ is used for nuclear staining following a variety of fixatives. We recommend BBC F.S. Fix™ 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.

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### Staining Procedure

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#### 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 <sub>2</sub> O	5 seconds
3.	F.S. Hematoxylin™	1 minute
4.	H <sub>2</sub> O	10 seconds
5.	F.S. Acid Alcohol™	1 seconds
6.	H <sub>2</sub> O	5 seconds
7.	F.S. Blueing Solution™	2 seconds
8.	H <sub>2</sub> 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™	

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#### 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 <sub>2</sub> O	5 seconds
3.	F.S. Hematoxylin™	30 seconds
4.	H <sub>2</sub> O	10 seconds
5.	F.S. Blueing Solution™	2 seconds
6.	H <sub>2</sub> 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™	

**Note:** Each of these reagents can be intermixed and used with other staining sequences and other manufacturer's reagents.