



S3-Histo™

Intended Use

S3™ is a clearing agent for staining that replaces xylene and other xylene substitutes. It is not non-toxic like xylene and is environmentally friendly. S-3™ can be used for histology and cytology.

General Information

S3™ is designed specifically as a clearant for tissue sections. It does not contain xylenes, limonenes, or aliphatic hydrocarbons. It is more environmentally friendly than xylene and in some locations can be poured down the drain; always consult your local wastewater disposal authority for instructions. S3™ works well for routine H & E staining and virtually all special stains. S3™ properly clears tissue sections following dehydration and facilitates penetration by the mounting medium for cover slipping. It also protects the lipo proteins in cellular membranes thereby enhancing staining by retaining these components for visualization. Stains are only poorly soluble in S3™; therefore, tissue sections may remain in this clearant for up to one hour without deleterious effects. S3™ is also highly cost effective. It can tolerate much more dilution by dehydrants than can many other routine clearants before being changed. It can also function despite much more contamination in contrast to other routine clearants, such as xylene. S3™ is extremely rapid as a "clearant" and facilitates a rapid cycle of staining both manual and automated staining.

This is the cost-effective clearant you should use as a clearant for staining tissue sections.

Packaging

Catalog #	Volume
4321	1 qt
4322	4x1 gal
4323	5 gal ropak

Staining Procedure

BBC RECOMMENDED AUTOMATED AND MANUAL HISTOLOGY STAINING PROCEDURE FOR HARRIS HEMATOXYLIN AND EOSIN

*Initially deparaffinize tissue sections with BBC S1™ or Xylene

Step *	Solution	Time
1.	100% Alcohol.....	20 seconds
2.	100% Alcohol.....	20 seconds
3.	95% Alcohol.....	20 seconds
4.	95% Alcohol.....	20 seconds
5.	70% Alcohol.....	20 seconds
6.	Running H ₂ O Wash	30 seconds
7.	BBC Harris Hematoxylin	4-5 minutes
8.	Running H ₂ O Wash	1 minute
9.	BBC Acid Wash•Histo™	1 minute
	or BBC Acid Alcohol•Histo™	2-3 seconds
10.	Running H ₂ O Wash	1 minute
11.	BBC Blueing Solution•Histo™	15 seconds
12.	Running H ₂ O Wash	1 minute
13.	70% Alcohol.....	30 seconds
14.	BBC Special Eosin I™ or II™, or Eosin Y, or Eosin Y with Phloxine B	1 minute
15.	BBC S2•Histo™	20 seconds
17.	BBC S2•Histo™	20 seconds
18.	BBC S2•Histo™	20 seconds
19.	BBC S2•Histo™	20 seconds
20.	BBC S2•Histo™	20 seconds
21.	BBC S3•Histo™ or Xylene.....	20 seconds
22.	BBC S3•Histo™ or Xylene.....	30 seconds
23.	BBC S3•Histo™ or Xylene.....	30 seconds
24.	Mount and coverslip with Optic Mount I™ or an appropriate mounting medium.	

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