



Rapid Fixä

Intended Use

Rapid Fix™ is a rapid fixative designed specifically to be used at the grossing (cutting) station. It penetrates and fixes fatty tissues rapidly. It is compatible with all other primary fixatives and with neutral buffered formalin. This is the fixative to use at the grossing station to improve fixation, dehydration, clearing, and wax infiltration. It works ideally when used in combination with BBC Processor Fix 1™ and 2™ on the processor.

General Information

Rapid Fix™ is a rapid fixative designed to be used at the grossing station. It rapidly penetrates tissues prepared at the grossing station and accelerates fixation so that the first fixative on the processor completes the initial fixation process, even with large bloody specimens. Rapid Fix™ is ideal for bowel specimens and breast tissues. Breast, bowel and all fresh tissues benefit from the rapid fixation, which enhances subsequent dehydration and clearing. Additionally, it enhances retention of immunogenicity and improves routine staining with H&E.

Rapid Fix™ can also provide a value-added service of rapid prefixation prior to definitive cutting of large specimens. Specimens such as bowel and breast are difficult to cut in the fresh state, and large specimens frequently arrive at the grossing station late in the afternoon. When unfixed, bowel mucosa and submucosa are very soft and moveable and do not attach rigidly to the underlying muscularis propria; consequently, precise cutting of cassette-size tissue blocks is difficult. Cutting of tissue blocks can be facilitated greatly by prefixing these large specimens with Rapid Fix™. Following 1-2 hours in Rapid Fix™, bowel and breast can be cut confidently into the proper block sizes. Other large specimens can be prefixed similarly prior to grossing and cutting.

Rapid Fix™ is compatible with all fixatives in which the tissues have been previously placed. It is also compatible with all dehydrating and clearing reagents. This is the ideal fixative for use at the grossing station for routine fixation and for rapid prefixing of large specimens prior to cutting.

Packaging

Catalog #	Volume
0171	1 qt
0174	4x1 qt
0172	4x1 gal
0175	5 gal cube

Fixation Procedure

1. Rapid Fix™ is placed in a large container at the grossing station to receive the tissues cut into block size and placed in cassettes. The

tissue cassettes containing tissue can remain in Rapid Fix™ until they are placed onto the tissue processor for processing.

2. Rapid Fix™ can also be used to prefix and "firm up" tissues prior to grossing. This is especially useful for fresh bowel and breast. Following prefixation for 30 minutes to one hour, the tissues become significantly firmer, which facilitates easier sectioning.
3. Rapid Fix™ can be used to store blocks of tissue and large specimens. Blocks of cut tissue and large specimens can remain in Rapid Fix™ for long periods of time, weeks to months, without deleterious effects. The maximum allowable time of storage is the same as that of 10% Neutral Buffered Formalin.
4. Routine H&E staining times are the same as those following fixation in 10% Neutral Buffered Formalin; H&E and Immunocytochemistry stains perform similarly to that following formalin fixation.
5. Disposal of Rapid Fix™ should be the same as that used for fixatives containing formaldehyde.

Staining Procedure

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

*Initially deparaffinize tissue sections with BBC S3+Histo or Xylene

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.