



OculoFix™

### Intended Use

OculoFix™ is designed to be used for fixation of all ocular globes. It penetrates and fixes rapidly, and it produces excellent retinal and adnexal histology.

### General Information

OculoFix™ is a fixative designed specially for eyes. This is the ideal fixative for fixation of whole globes. Retinal rods and cones are rapidly fixed; following fixation they stain distinctly and precisely. Special stains, specifically silver stains, perform with excellence. The iris and corneas are perfectly fixed, and connective tissues and other neural tissues are well preserved. Hematoxylin and eosin stain all structures with perfection. This is the fixative that should be used for all ocular globes.

### Packaging

Catalog #	Volume
1320	2oz, 50/cs
1322	4oz, 50/cs
1324	1 qt
1326	1 gal

### Fixation Procedure

OculoFix™ is a coagulative and non-coagulative fixative. It fixes eyes with excellence.

- The eyes, ocular biopsies or associated tissues should be added directly to OculoFix™. No dilution or addition of other agents is necessary before use.
- Generally OculoFix™ should be used in the same way one uses formalin as a fixative.
- Small biopsies from eyes should be fixed at least 3 hours prior to processing. Large tissues, such as ocular globes, are best fixed overnight and up to several days. Over-fixation is not a problem; however, tissues should generally not be fixed longer than two weeks.
- No washing of tissues after fixation is necessary.
- The fixed tissue blocks should be processed by the same schedule routinely used for formalin-fixed tissues.
- The schedule for staining tissues fixed with OculoFix™ is the same as that used for formalin-fixed tissues
- Disposal of OculoFix™ is 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 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 <sub>2</sub> O Wash .....	30 seconds
7.	BBC Harris Hematoxylin .....	3-5 minutes
8.	Running H <sub>2</sub> O Wash .....	1 minute
9.	BBC Acid Wash•Histo™ or BBC Acid Alcohol•Histo™ ....	1 minute
10.	Running H <sub>2</sub> O Wash .....	1 minute
11.	BBC Blueing Solution•Histo™ .....	15 seconds
12.	Running H <sub>2</sub> 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 .....	45 seconds
15.	BBC S2•Histo™ .....	20 seconds
16.	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 S3•Histo™ or Xylene.....	20 seconds
21.	BBC S3•Histo™ or Xylene.....	30 seconds
22.	BBC S3•Histo™ or Xylene.....	30 seconds
23.	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.