NecroFix™

Catalog #2040

Intended Use

NecroFix™ is formulated to fix with excellence all necropsy tissues. It helps stabilize autolysis and enhance histology by light microscopy.

General Information

NecroFix™ is a new fixative specifically designed to fix autopsy tissues. NecroFix™ has coagulative and non-coagulative fixatives. The coagulative fixative produces histologic effects similar to those obtained with mercury fixation. The non-coagulative fixative ensures excellent hematoxylin and eosin staining. The histologic effects of NecroFix™ are very similar to that obtained with B-5, yet no mercury is present. All organs demonstrate enhanced microscopic histology. Cardiac muscle displays distinct striations. Lung shows crisp alveolar walls, and kidneys demonstrate enhanced preservation and staining of glomeruli and renal tubules. Hematopoietic and lymphoid cells show crisp nuclear membranes and chromatin, and cytoplasm in non-autolyzed cells show appropriate granules. Endocrine glands display enhanced cytoplasmic basophilia and eosinophilia when stained with hematoxylin and eosin.

NecroFix™ is the fixative designed for all necropsy tissues and should be used routinely for histologic examination of autopsy tissues. To obtain optimum fixation and staining for autopsy neural tissues, NeuroFix™ should be used to fix whole brains.

Packaging

Catalog #	Volume
2035	1 pt
2037	1 qt
2040	1 gal
2042	5 gal cube

Fixation Procedure

NecroFix™ is a fixative that contains coagulative and non-coagulative fixatives. It is intended to fix necropsy tissues with excellence.

1. The necropsy tissues should be added directly to the NecroFix™. No dilution or addition of other agents is necessary before use.
2. NecroFix™ should be used in the same way one uses formalin as a fixative.
3. Small tissues, such as biopsies from selected organs, should be fixed at least 3 hours prior to processing. Large tissues are best fixed 10-12 hours or overnight. Overfixation is not a problem; however, tissues should generally not be fixed longer than one month. Long-term storage of tissues is best done in 70% ethanol.
4. No washing of tissues after fixation is necessary.
5. The fixed tissues should be processed by the same schedule use routinely for formalin-fixed tissues.
6. The schedule for staining tissues fixed with NecroFix™ with hematoxylin and eosin is the same as that used routinely for formalin-fixed tissues.
7. Disposal of NecroFix™ should be the same as that utilized for fixative containing formaldehyde. Consult your local wastewater disposal authority for specific instructions.

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_2O Wash	30 seconds
7.	BBC Harris Hematoxylin	3-5 minutes
8.	Running H_2O Wash	1 minute
9.	BBC Acid Wash•Histo™	1 minute
	or BBC Acid Alcohol•Histo™	2-3 dips
10.	Running H_2O Wash	1 minute
11.	BBC Blueing Solution•Histo™	15 seconds
12.	Running H_2O Wash	1 minute
13.	70% Alcohol	30 seconds
14.	BBC Special Eosin I™ or II™, **or** Eosin Y, **or** Eosin Y w/ 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™ or Xylene	20 seconds
21.	BBC S3™ or Xylene	30 seconds
22.	BBC S3™ or Xylene	30 seconds
23.	Mount and coverslip with Optic Mount I™ or an appropriate mounting medium.	

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