

Intended Use

G.I. Fix™ is formulated specifically for tissues with large amounts of columnar epithelium, such as those from the gastrointestinal tract. G.I. Fix™ is also excellent for needle biopsies of liver.

General Information

G.I. Fix™ is designed specifically for tissues with large amounts of columnar epithelium. It is also ideal for fixing liver biopsies. Following fixation, epithelial cell nuclei show distinct nuclear membranes, precise heterochromatin and euchromatin, and well-defined nucleoli. Neoplastic and reactive cytoplasmic changes in columnar cells demonstrate varying degrees of eosinophilia or basophilia, and goblet cells are well delineated. Cytoplasmic organelles, such as those in Paneth cells and endocrine cells, are distinct and stain precisely. With H&E, cellular membranes stain distinctly and are brightly eosinophilic. This is the ideal fixative for routine fixation of all tissues containing columnar epithelium.

Fixation Procedure

G.I. Fix™ is a coagulative and noncoagulative fixative. It fixes extensively the nuclear and cytoplasmic components of the mucosa, submucosa, and muscularis of the gastrointestinal tract. G.I. Fix is an excellent fixative to demonstrate hepatic cells, including portal biliary epithelium and inflammatory cells. The following information is relevant to the use of G.I. Fix™:

1. Specimen biopsies, either gastrointestinal or liver, should be promptly placed in G.I. Fix™. No dilution or addition of other agents is necessary before use.
2. G.I. Fix™ should generally be used in the same way one uses 10% neutral buffered Formalin as a fixative.
3. Gastrointestinal biopsies should be fixed in G.I. Fix™ for at least one hour before processing.
4. Over-fixation is not a problem; however, it is a good idea not to fix tissues in G.I. Fix™ for more than one week.
5. Following fixation, washing of tissue is not necessary. Fixed tissue should be processed by the same routine schedule used for formalin-fixed tissues.
6. The schedule for staining sections from tissues fixed with G.I. Fix™ is the same as that of formalin-fixed tissues. See the following staining schedule.
7. Disposal of G.I. Fix™ should be the same as that used for formaldehyde in your laboratory. G.I. Fix™ contains no mercury.

Packaging

Catalog#

GIFIX0507	20mL Prefills, 96/Case
GIFIX0115	40mL Prefills, 96/Case
GIFIX0230	60mL Prefills, 96/Case

Please contact tech@StatLab.com with any additional questions.