

Hollande's Fixative

Description: Hollande's is a fixative useful for routine procedures. Hollande's contains formaldehyde for cytoplasmic fixation. It is stable and will decalcify small bone specimens. Tissue that is fixed with Hollande's can be stained successfully with most stains, and the cupric acetate in the solution stabilizes red blood cell membranes and eosinophil and endocrine cell granules so that less lysis occurs than with Bouin's solution. Hollande's is widely used as a fixative for biopsy specimens of the gastrointestinal tract.

Contents:

Formalin	CAS# 50-00-0	10%
Acetic Acid	CAS# 64-19-7	1.5%

Storage: Store at room temperature. Do not use beyond the expiration date stated on the label.

Procedure:

1. Trim specimen to smallest practical size.
2. Cover tissue with an amount of fluid equal to 20 times the specimen volume.
3. Fixation times range from 2 hours to 4 days depending on specimen size.
4. Treatment with 70% alcohol saturated with lithium carbonate will facilitate removal of yellow pigmentation prior to staining. After fixation, transfer by graded series to 70% EtOH and continue repeated, gentle fluid changes until cupric acetate is removed.

Precautions: Poison. Do Not Take Internally. Thorough washing of the fixed tissue prior to placing the specimen in a phosphate buffered formalin solution is necessary because the salts present in the solution will form an insoluble phosphate precipitate.