RICCA CHEMICAL COMPANY®

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Product Specification

Hollande's Fixative Solution, Cupric Picro-Formol-Acetic Fluid, Modified

Lot Number: SAMPLE **Product Number:** 3540

Manufacture Date: N/A
Expiration Date: N/A

For In Vitro Diagnostic Use. This fixative solution is recommended for fixation and gross demonstration of calcification. May be suitable for other laboratory applications.
This solution will decalcify small bones in about 1 week. Bone, calcified necrotic tissue, and calcified fat necrosis are stained dark green on a pale yellowish green background. Fixation time should be adjusted depending on the tissue type and the tissue block thickness. After fixation, it is important to wash the sample in several changes of 50% Alcohol for 4 to 6 hours, agitating constantly, to insure proper extraction of the yellow Picric Acid coloration. (The removal of all Picric Acid from tissues is very important to ensure proper staining of tissue sections and to prevent deterioration of tissue specimens, which can continue for a long time if the Picric Acid is incompletely removed.) Store in 70% Alcohol. Consult standard Histology and Pathology tests for more detailed procedures.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Formaldehyde	50-00-0	ACS
Cupric Acetate Monohydrate	6046-93-1	ACS
Methyl Alcohol	67-56-1	ACS
Acetic Acid	64-19-7	ACS
Picric Acid	88-89-1	ACS

Test	Specification	Result
Appearance	Green liquid	N/A

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
3540-1	4 L natural poly	24 months
3540-16	500 mL natural poly	24 months
3540-5	20 L Cubitainer®	24 months
3540-55	55 gal poly drum	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

This document is designed to comply with ISO Guide 31 "Reference Materials --
Contents of Certificates and Labels."

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