

# Certificate of Analysis

## Bouin's Fixative Solution, Picric Acid-Formalin-Acetic Acid Mixture

**Lot Number:** 4402R27

**Product Number:** 1120

**Manufacture Date:** FEB 29, 2024

**Expiration Date:** AUG 2025

For In Vitro Diagnostic Use. May be suitable for other laboratory applications.

This fixative solution is very stable and causes only slight shrinkage of most tissues, and is compatible with most staining techniques. Immediately immerse tissue blocks, no more than 4 mm in thickness, in at least 10 times their volume of fixative. Fix for 4 to 12 hours, depending on the block size. Wash in several changes of 50% Alcohol for 4 to 6 hours, agitating constantly to ensure proper extraction of the yellow Picric Acid coloration. (The removal of all Picric Acid from tissues is very important in order to ensure proper staining of tissue sections and to prevent deterioration of tissue specimens, which can continue for a long time when Picric Acid is not completely removed.) Store in 70% Alcohol. Fixation time may be increased or decreased as required, depending on tissue type and block thickness.

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

Test	Specification	Result
Appearance	Yellow liquid	Passed

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)
1120-1	4 L natural poly	18 months
1120-16	500 mL natural poly	18 months
1120-32	1 L natural poly	18 months

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



Paul Brandon (02/29/2024)

Production Manager

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

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