

Product Specification

Zenker's Fixative Solution

Mercuric Chloride-Potassium Dichromate-Sodium Sulfate Mixture

Lot Number: SAMPLE**Product Number:** 9410**Manufacture Date:** N/A**Expiration Date:** N/A

For In Vitro Diagnostic Use.

For use as a tissue fixative, add 5 mL of Glacial Acetic Acid to 95 mL of this solution immediately before use. (This solution does not keep well after the addition of the Acetic Acid. If the solution becomes brown and turbid, change it immediately.) After fixation, especially for thick specimens, it is recommended that the tissues be post fixed in a 2.5% aqueous solution of Potassium Dichromate for 2 hours, then washed in running water for 12 hours. Tissues preserved with this fixative stain well with many techniques. The Mercury pigment resulting from the use of this fixative is an important artifact and should be removed before staining as follows: (1) Deparaffinize sections. (2) Place in alcoholic Iodine (1 g Iodine and 100 mL 80% Alcohol). (3) Rinse in tap water. (4) Place in 5% aqueous Sodium Thiosulfate solution for 5 minutes. (5) Wash in running tap water 10-20 minutes and rinse in distilled water.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Mercuric Chloride	7487-94-7	ACS
Sodium Sulfate Anhydrous	7757-82-6	ACS
Potassium Dichromate	7778-50-9	ACS

Test	Specification	Result
Appearance	Orange 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)
9410-32	1 L natural poly	24 months
9410-1	4 L natural poly	24 months

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

Katie Schnur
Quality Control Manager

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