

Certificate of Analysis

Gold Chloride, 1% (w/v)**100 mL = 1 g HAuCl₄·3H₂O, 1 mL = 5 mg Au, Toner for Gomori Methenamine Silver Nitrate Stain****Lot Number: 4401K12****Product Number: 3295****Manufacture Date: JAN 15, 2024****Expiration Date: JAN 2026**

For In Vitro Diagnostic Use.

Gomori Methenamine Silver Nitrate protocol for fungi in tissues: Deparaffinize sections. Oxidize: 5% Chromic Acid, 1 hr. Wash: running tap water, few sec. Remove excess Chromic Acid: 1% Sodium Bisulfite, 1 min. Wash: tap water, 5-10 min. Rinse: DI water, 3-4 changes. Stain: Methenamine Silver Nitrate working solution, oven (58-60°C), 30-60 min until yellowish brown. Remove slide with paraffin-coated forceps and dip in DI water. Check microscopically for adequate Silver impregnation. Rinse: DI water, 6 changes. Tone: 0.1% Gold Chloride (dilute this product 1:10 in DI Water), 2-5 min. Rinse: DI water. Remove excess Silver: 2% Sodium Thiosulfate, 2-5 min. Wash: tap water (thoroughly). Counterstain: Light Green, 30-45 sec. Dehydrate: 95% alcohol plus absolute alcohol, 2 changes. Clear: Xylene, 2-3 changes. Mount: Permount.

Fungi - sharply delineated in black; Mucin - taupe/dark gray; Inner parts of mycelia / hyphae - old rose; Background - pale green.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Gold Chloride Trihydrate	16961-25-4	ACS

Test	Specification	Result
Appearance	Yellow liquid	Passed
Refractive Index	To Pass Test	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)
3295-4	120 mL amber glass	24 months

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

Paul Brandon (01/15/2024)

Production Manager

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

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.