

Certificate of Analysis

Hayem Diluting Fluid, for Erythrocyte (Red Cell) Count

Lot Number: 4302G14**Product Number:** 3500**Manufacture Date:** FEB 15, 2023**Expiration Date:** 2025-02-02

For In Vitro Diagnostic Use. Suitable for use in Erythrocyte counting (typically 1:200 dilution). Typical Erythrocyte Counting Procedure: Use venous blood collected in a dry anticoagulant (EDTA recommended) or capillary blood from a fingertip and drawn directly into a diluting pipet. Prepare 2 pipets: Draw well-mixed blood to the 0.5 mark in a red cell diluting pipet. Wipe the outside of the pipet. Draw the Hayem Diluting Fluid to the 101 mark (1:200 dilution). Shake the pipets for 3 minutes immediately before filling the hemocytometer. Expel the first 4 to 6 drops from each pipet and fill one side of the blood counting chamber from each pipet. Allow the cells to settle for a few minutes, then count the cells under highpower magnification, averaging the counts from the two chambers.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Sulfate Anhydrous	7757-82-6	ACS
Sodium Chloride	7647-14-5	ACS
Mercuric Chloride	7487-94-7	ACS

Test	Specification	Result
Appearance	Colorless 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)
3500-16	500 mL amber glass	24 months
3500-32	1 L amber glass	24 months

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

Paul Brandon (02/15/2023)

Production Manager

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

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