

# Certificate of Analysis

## Turk Blood Diluting Fluid, for Leukocyte Count

**Lot Number:** 4401D43**Product Number:** 8850**Manufacture Date:** JAN 02, 2024**Expiration Date:** 2025-12-17

For In Vitro Diagnostic Use. Suitable for use as a diluting fluid for Leukocyte (white blood cell) counting. Typical Procedure: Draw well-mixed anticoagulated blood (EDTA recommended) or blood from a free-flowing capillary puncture to the 0.5 mark in a white-cell diluting pipet. Wipe off the outside of the pipet, then add Turk's Diluting Fluid to the 11 mark (1:20 dilution). Shake the pipet well for 3 minutes. Expel the first few drops from the pipet, then fill both sides of the hemocytometer. (Or prepare two pipets and use each to fill one side of the hemocytometer.) Count cells according to instructions supplied with the hemocytometer. Because this method also counts nucleated red blood cells, it may be necessary to apply a correction to the white-cell count. To determine the correction factor, count the number of nucleated red blood cells (NRBC) per 100 white blood cells; divide the total count by (100 + the number of NRBC) and multiply by 100 to obtain the white-cell count.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Acetic Acid	64-19-7	ACS
Gentian Violet	548-62-9	Certified

Test	Specification	Result
Appearance	Dark purple liquid	Passed
UV/Visible Spectrum	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)
8850-16	500 mL natural poly	24 months

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

Paul Brandon (01/02/2024)

Production Manager

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

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