

PERFORMANCE DATA SHEET

1818

Streptavidin/FITC*

CATALOG#: 254-040

QUANTITY: 120 tests

VOLUME IN VIAL: 240 µl

RECOMMENDED WORKING DILUTION: 1:10 (or use 2 µl of concentrated stock per 5×10^5 -cell test)

INFORMATION: Streptavidin/FITC can be used in conjunction with biotinylated antibodies as an avidin/biotin labeling system for flow cytometry.

STORAGE CONDITIONS: *Store at 2 - 5°C. Do not freeze! Protect from light.*

PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Purified streptavidin was covalently conjugated to FITC and the conjugate isolated by size exclusion chromatography. Product is at **100 µg/ml** with a FITC to protein molar ratio of 9.0.

PERFORMANCE: When used as a second step reagent in Flow cytometry, optimum resolution between signal and background with Ancell biotinylated antibodies was obtained using **20 µl of a 1:10** dilution of product to stain 5×10^5 cells.

Cells types tested: Ficoll prepared human peripheral blood lymphocytes, CEM, HPB-MLT, Nalm-6, Jurkat, U-937, Molt-4, Raji, Daudi and KG-1 (cells expressing Fc receptors were pre-blocked with human IgG).

**This Product is intended for Laboratory Research use only.* R-Phycoerythrin (R-PE) is covered under patents: U.S. 4,520,110; European 76,695 and Canadian 1,179,942.

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