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Product Specifications

Product: Fluorescein (FITC)-conjugated ChromPure Human Transferrin

Code Number: 009-090-050

Lot Number: 102353

Physical State: Freeze-dried solid

Size: 1.0 mg (This product has been overfilled to ensure total recovery of stated quantity.)

Transferrin Concentration: 2.0 mg/ml

Fluorophore: Fluorescein-5-isothiocyanate (FITC-isomer 1)
A_{max} = 492 nm; E_{max} = 520 nm

Fluorophore/Protein: 11.3 µg/mg; 2.1 moles FITC per mole Transferrin

Buffer: 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6

Stabilizer: 15 mg/ml Bovine Serum Albumin (IgG-Free, Protease-Free)

Preservative: 0.05% Sodium Azide

Reconstitution and Storage: Store freeze-dried powder at 2-8°C. When ready to use, rehydrate with 0.55 ml dH₂O and centrifuge if not clear. Product is stable for about 6 weeks at 2-8°C as an undiluted liquid. Prepare working dilution fresh each day. For extended storage after rehydration, aliquot and freeze at -70°C or below. Avoid repeated freezing and thawing. Alternatively, add an equal volume of glycerol (ACS grade or better) for a final concentration of 50%, and store at -20°C as a liquid. Note: adding glycerol reduces the stated protein concentration and dilution range by one-half. ***Expiration date:*** one year from date of rehydration. The expiration date may be extended if test results are acceptable for the intended use.

Purity: Based on immunoelectrophoresis at an antigen concentration of 20 mg/ml, the pattern of precipitation against anti-human whole serum is the same as that against anti-human transferrin. No precipitin line was detected against anti-human IgG (H+L).

Country of Origin: USA

Note: For *in vitro* research use only, not for diagnostic or therapeutic use. This product is not a medical device.