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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)  
Amax = 492 nm; Emax = 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 dH<sub>2</sub>O 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.