

SPECIFICATION SHEET

Product Name transferrin, TRF, siderophilin **Catalog #:** LS2A006

Description: Transferrins are iron-binding blood plasma glycoproteins that control the level of free iron (Fe) in biological fluids. Human transferrin is encoded by the TF gene. Transferrin glycoproteins bind iron tightly, but reversibly. Although iron bound to transferrin is less than 0.1% (4 mg) of total body iron, it forms the most vital iron pool with the highest rate of turnover (25 mg/24 h). Transferrin has a molecular weight of around 80 kDa and contains two specific high-affinity Fe(III) binding sites. The affinity of transferrin for Fe(III) is extremely high (association constant is 10^{20} M^{-1} at pH 7.4) but decreases progressively with decreasing pH below neutrality. When not bound to iron, transferrin is known as "apotransferrin"

Source: Native, Human

Format: Purified

Purification: >90% pure.

Concentration: 5.23mg/ml **Lot #:** L190501

Buffer: 0.01M PBS, pH 7.4

Preservative: None

Storage: Store at -20°C. Avoid multiple freeze/thaw cycles.

Warnings: All cultures have tested negative for HBsAg, HCV, HIV-1 and HIV-2. No test guarantees a product to be non-infectious. Therefore, all material should be considered as potentially infectious.

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.