



Bovine Holo Transferrin (BHTF)

Catalog #MB9118

Description

Transferrin is the iron-transport protein of vertebrate serum and donates iron to cells through interaction with a specific membrane receptor, CD71. Transferrin appears to be indispensable for most cells growing in tissue culture. It is referred to frequently as a growth factor because, in analogy to other growth factor-receptor interactions, proliferating cells express high numbers of transferrin receptors, and the binding of transferrin to their receptors is needed for cells to initiate and maintain their DNA synthesis. Apart from its role as an iron transport protein, transferrin acts as a cytokine and has functions that may not be related to its iron-carrying capacity.

Specifications

Synonyms:	Holo Bovine Transferrin, HTF
Source:	Bovine Serum
Molecular Weight:	Approximately 76 kDa.
Physical Appearance:	Pink to red lyophilized powder.

Formulation

Lyophilized from a solution in water.

Reconstitution

Reconstitute in sterile distilled water containing 0.1% BSA to a concentration of 0.1-10.0 mg/mL.

Shipping and Storage

Gel pack. Upon receipt, store at -20°C after receiving. Upon reconstitution, store at 2-8 °C for up to one week. For maximal stability, aliquot and store at -20 °C. Avoid repeated freeze/ thaw cycles.

Usage

BHTF is for research use only. It is not approved for human or animal use, or for application in clinical or *in vitro* diagnostic procedures.