

TF

Native Bovine Transferrin Holo, US Origin

Catalog No.	CNP001	Quantity:	1 g
Alternate Names:	Serotransferrin, Siderophilin, iron-saturated transferrin, diferric-transferrin		
Description:	Native bovine Holo Transferrin (Fe ³⁺ , diferric-transferrin), the iron saturated form of Transferrin, is manufactured by a chromatographic process that ensures the transferrin is always kept at low temperatures and neutral pH, thus preventing denaturation or loss of biological activity, and ensures excellent solubility.		
UniProt ID:	Q29443		
Source:	Blood from healthy US origin, USDA-inspected cattle. Product is manufactured in the USA.		
Formulation:	Lyophilized		
Protein Content:	> 96%, typically 98%		
Purity:	> 95%, typically 99% as determined by cellulose acetate electrophoresis		
Endotoxin Level:	<1 EU/mg by LAL analysis		
Iron:	1200-1600 µg/g		
pH (2% solution):	7.4		
Viral Testing:	Absent for bovine diarrhea virus, reovirus, rabies, bluetongue, bovine adenovirus, bovine parvovirus, bovine RSV, cytopathogenic agents (IBR), and hemadsorbing agents (PI3).		
Mycoplasma:	Negative for mycoplasma		
Moisture:	< 5%, by loss on drying		
Reconstitution:	Centrifuge vial prior to opening. Soluble in PBS or media. Can be added to media and sterilized by membrane filtration.		
Storage & Stability:	Store lyophilized protein at -20°C for at least 1 year. Store reconstituted protein in working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		
Applications:	Cell culture media Growth factor in cell culture Scavenge harmful polyvalent cations from solutions Serum free media		

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