

Doc. No.	Rev	Effective Date
PI111	2	20-JUN-2025

Bovine Transferrin

Manufacturing Grade

Synonyms: Serotransferrin, Transferrin, Siderophilin, Beta-1-metal-binding globulin, TF, PRO1557, PRO2086, DKFZp781D0156

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

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.

- **Purity** 995 % (HPLC)
- **Iron content** 1370 µg Fe/ gHTF
- **Endotoxin level** 0,07 EU/mg
- **Physical state** Clear Red Liquid
- **Concentration** 20,13 mg/ml

Applications

- Bovine Transferrin is a crucial component for the cultivation of mammalian cells in vitro.
- Bovine Transferrin is critical for long-term cells growth in vitro.
- Bovine Transferrin is used as detoxificant in media by binding contaminating metal ions.
- Bovine Transferrin is often used as a nutrient in fermentation media for recombinant protein and biopharmaceutical production.
- Additional common uses of Bovine Transferrin are: Molecular weight, Affinity purification of anti-human transferrin antibodies and also as receptor mediated transfection of molecules such as DNA, into cells.

Product Information

Product Code	Product Description	Pack Size
RGF-009-1g	Bovine Transferrin (Pichia)	1 gm

QUALITY - TRACEABILITY - INTEGRITY

Life Science Production

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Usage

FOR RESEARCH USE ONLY

NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

NOT FOR HUMAN USE

Support

To learn more, contact us by telephone at +44 1234 889180 or email at sales@lifesciencegroup.co.uk

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