

Data Sheet

Optiferrin®



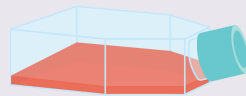
Recombinant Human Transferrin (rhTransferrin)

Recombinant Transferrin for Biomanufacturing

Optiferrin is a high-purity recombinant human transferrin (rhTransferrin), a chemically defined, human- & animal-origin-free alternative to holo transferrin. It ensures controlled iron delivery, reducing oxidative stress while enhancing cell viability, proliferation, and productivity in cell culture, stem cell expansion, and bioproduction. Optiferrin is manufactured in a cGMP-compliant, ISO 9001-certified facility.

Applications

- Animal-Origin Free Cell Culture
- Antibody Production
- Stem Cell Expansion
- Diagnostics & Reagents
- Tissue & Cell Storage
- Gene Therapy
- Viral Vector Production



Specifications

Purity	≥ 95% recombinant human transferrin
Format	Lyophilized powder
Shelf Life	3 years
Regulatory Compliance	cGMP, ISO 9001
Packaging	1 g, 10 g, 100 g, & 1 Kg bottles
Storage	-20°C

- ✓ **Superior performance** – Exceeds the iron transport efficiency of serum-derived transferrin and iron chelators, optimizing cell growth and productivity.
- ✓ **Iron homeostasis** – Maintains optimal iron balance without toxicity risks from iron chelators.
- ✓ **High structural fidelity** – Structurally identical to native human transferrin, ensuring functional equivalence.
- ✓ **Broad compatibility** – Effective across T, NK, HEK, CHO, Hybridoma, iPSC, MSC, HSC, Fibroblast, and other culture systems.
- ✓ **Regulatory advantage** – Fully recombinant, pathogen-free, and chemically defined for clinical applications.

Optiferrin



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Try Optiferrin Today!



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Recombinant Human Transferrin (rhTf)

InVitria's Commitment to Quality & Innovation



Recombinant, chemically defined solutions – Enhances consistency, purity, and performance in biomanufacturing.



Animal-origin-free – Eliminates plasma-derived risks for safer, more reliable formulations.



Lot-to-lot consistency – Ensures reproducibility and reliability by minimizing variability between production batches.



Scalable, reliable supply chain – Ensures secure global availability with high-volume production capacity.



ISO 9001 & cGMP compliant – Manufactured under strict quality and regulatory standards for consistency and safety.



Regulatory-friendly – Designed to meet pharmaceutical, biotech, and global regulatory requirements.



- ✓ Replaces iron chelators/salts in culture media
- ✓ Low endotoxin levels
- ✓ More cost-effective than other alternatives
- ✓ Universal iron carrier
- ✓ No additives or preservatives

Product	Size	SKU
Optiferrin	1 g	777TRF029-1g
Optiferrin	10 g	777TRF029-10g
Optiferrin	100 g	777TRF029-100g
Optiferrin	1 Kg	777TRF029-1Kg

*Request a quote for bulk & large-scale format options.

Secure Your Supply Now!



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