

Transferrin (human plasma)

Cell Culture Reagents-Growth Supplements

Catalogue Number: See table below

Description: All cells require iron for the proper uptake of oxygen from their environment. Transferrin, a protein isolated from serum, causes the uptake and transport of iron from culture medium to the cells. This allows proper oxygen uptake and also stimulates growth-related enzyme activity. Iron-saturated transferrin (holo transferrin) is continually recycled after releasing iron and becomes iron-deficient transferrin (apo-transferrin). Choosing which form to use depends upon the culture conditions. In media such as Dulbecco's Modified Eagle's Medium/Ham's Nutrient Mixture F12 (DMEM/F12) that contain high levels of iron salt, using apo-transferrin is preferred.

Synonyms: Human transferrin, Siderophilin.

Molecular Weight: 76-81 kDa.

CAS Number: 11096-37-0

Formulation: 10mg/mL water solution.

Source: Human blood plasma.

Physical Appearance: Sterile filtered clear or pink solution.

Purity: Greater than 97.0% as determined by agarose gel electrophoresis.

Endotoxin: tested

Iron Concentration: See table below

Pack Size: See table below

Storage & Stability: Transferrin in solution should be stored at -20°C. Please avoid freeze-thaw cycles.

Suitability: Cell culture tested.

Others: Non-reactive for HbsAG, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2

<i>Catalogue Number</i>	<i>Description</i>	<i>Protein Conc.</i>	<i>Iron Conc./ g Protein</i>	<i>Pack Size</i>
CC109-10MG	apo-Transferring	10 mg/mL	≤ 10 µg	1 mL
CC109-100MG	apo-Transferring	10 mg/mL	≤ 10 µg	10 mL
CC109-1G	apo-Transferring	10 mg/mL	≤ 10 µg	100 mL
CC110-10MG	holo-Transferring	10 mg/mL	1100-1600 µg	1 mL
CC110-100MG	holo-Transferring	10 mg/mL	1100-1600 µg	10 mL
CC110-1G	holo-Transferring	10 mg/mL	1100-1600 µg	100 mL

FOR RESEARCH USE ONLY, NOT FOR USE IN DIAGNOSTIC AND THERAPEUTIC PROCEDURES



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