

## Product Name

Name: EastFerrin™ Recombinant Human Transferrin (dry powder)

Cat. No.: C6510-0100, C6510-0500, C6510-1000, C6510-5000

Size: 100 mg, 500 mg, 1000 mg, 5000 mg

## Product Description

Transferrin is the main iron-containing protein in plasma. It is responsible for carrying iron ions absorbed by the digestive tube and iron ions released by the degradation of red blood cells in the bone marrow as a complex form for the formation of mature red blood cells. Transferrin is essential for the growth of most cell lines in serum-free media. Iron-saturated transferrin is the form of transferrin bound to iron ions, which is the most effective form for promoting cell growth. This product is expressed in *Pichia pastoris*, which does not contain any animal-derived components, and therefore the risk of blood-borne pathogens contaminations can be avoided.

The main features of the product include:

1. Pink powder
2. clear and transparent, orange to pink
3. Low endotoxin
4. High purity
5. Molecular weight: 75.2 kD  $\pm$  7.5 kD
6. Water solubility: 50 mg/mL

## Procedure

1. Generally, PBS or other suitable solvents is used to dissolve transferrin dry powder into stock solution at room temperature, at the concentration of 0.5 - 2.0 mg/mL.
2. Use a 0.22  $\mu$ m aseptic membrane filter for filtration, the filtrate can be stored at 2 - 8°C for 30 days.
3. For hybridoma, adherent cells and suspension cell lines, the concentration of transferrin in the medium should be maintained at 0.5 - 100  $\mu$ g/mL during cell culture, and the most appropriate concentration should be explored for different cell types.

## Quality Control

Recombinant Human Transferrin is tested for the appearance, pH, endotoxin, and purity and molecular weight.

## Storage and Stability

The product should be kept at **2 - 8°C**.

The product is **light-sensitive** and therefore should avoid exposure to light.

Shelf life: 24 months

## Issue Date



June 2023

**Precaution and Disclaimer**

For research use only, not for clinical diagnosis, and treatment.

