

Product Information

ITS (100x), Insulin, Transferrin, Selenium
Cat. No. ITS-H (10 ml)

General Information

ITS (Insulin, Transferrin, Selenium) is a chemically defined supplement for a variety of cell culture applications. ITS supplement contains components which are required for optimal performance of serum-free media. Supplementation of ITS to different conventional nutrient media substantially reduces the FBS requirement for routine maintenance of many cell lines. ITS is provided as a 100x concentrate.

Applications:

- Serum-free cultivation
- Reduction of FBS requirements
- Cultivation of e.g. CHO, Hybridoma, MDCK and Vero cells
- Supplement in murine embryonic stem cell culture

Product Specifications

Appearance	Clear frozen liquid
Storage and shelf life	Store at $\leq -15^{\circ}\text{C}$. Avoid repeated freeze-thaw cycles. Preparation of aliquots recommended. Once opened, store at 4°C and use within 2-4 weeks.
Shipping conditions	Frozen (Dry ice)
Thawing	$+37^{\circ}\text{C}$ water bath or overnight at $+2^{\circ}\text{C}$ to $+8^{\circ}\text{C}$. Swirl gently to homogenize.
Working Concentrations	Recommended final concentration: 10 ml/L

Formulation

Components	Concentration mg/L
Human Recombinant Insulin	1000.00
Human Transferrin (holo)	550.00
Sodium Selenite	0.68

Reference: Bottenstein et al. (1979), Methods in Enzymology; 58: 94–109.

Precautions and Disclaimer

This product is for research use and further manufacturing only.

Help Needed?

If you have any further questions regarding this product, please do not hesitate to contact our cell culture experts by email (techservice@capricorn-scientific.com) or phone (+49 6424 944640).