

Product Information

ITS (100x), Insulin, Transferrin, Selenium

Cat. No.: K0010-650 Volume: 10 ml

Product Description

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

pH	6.4 – 7.8
Sterility	Tested
Storage	+2°C to +8°C

Formulation

Component	µg/ml
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 only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.