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Insulin Transferrin Sodium Selenite Plus Supplement (100X)

Cat. No. TM133

Store at -20°C.

Product Description

Insulin Transferrin Sodium Selenite Plus Supplement (ITS Plus) is a ready-to-use, 100X concentrated formulation designed to support cell growth, viability, and metabolic activity in serum-reduced or serum-free media.

This enhanced formulation, containing recombinant proteins, lipids, and key metabolic components, promotes robust cell growth, improves reproducibility, and ensures consistent performance across a wide range of mammalian cell types, including primary and other sensitive cells.

Each lot is quality-tested for sterility to ensure consistency and reliability in cell culture applications.

Cat. No.	Product	Quantity
TM133	Insulin Transferrin Sodium Selenite Plus Supplement (100X)	10 ml

Application

- Serum-reduced and serum-free cell culture
- Maintenance of mammalian cell lines
- Support of primary and sensitive cell types
- Bioproduction and related cell culture applications

General Notes

- Supplied as a 100X concentrate. One 10 ml unit is sufficient to supplement up to 1 L of basal medium.
- For optimal performance, 0–2% Fetal Bovine Serum (FBS) may be used. Many cell types can be adapted to serum-free conditions with ITS Plus.
- **Important:** Gradual adaptation is recommended when transitioning cells from serum-containing to low- or serum-free conditions.
- The inclusion of albumin, lipids, and metabolic components supports enhanced cell growth, membrane synthesis, and overall culture performance.

Quality Control

- Sterility: Sterile-filtered (0.2 µm)
- Mycoplasma: Not detected
- Performance tested: Supports growth of representative mammalian cell lines

Handling and Storage

- Store at -20 °C. Avoid repeated freeze-thaw cycles.
- Once supplemented, the complete medium should be used promptly or stored at 2–8°C, protected from light, to maintain stability.
- Refer to product label for expiration date.

For research use only. Not intended for therapeutic or diagnostic applications.