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## ITS (Insulin-Transferrin-Selenium 100X)

Product Number: CK002A1L

### Shipping and Storage

Storage conditions: 2-8°C, shelf life: 24 months.

### Components

Component	specifications
ITS (Insulin-Transferrin-Selenium 100X)	10mL
Instructions	1 copy

### Description

ITS (Insulin-Transferrin-Selenium 100X): Containing important substances such as recombinant human insulin (CK10001), recombinant human transferrin (CK04501), and sodium selenite (Sigma Aldrich), these substances are suitable for in vitro cell growth and differentiation, promoting cell proliferation and reducing serum concentrations required for various cell maintenance and low-density adhesion.

### Ingredient

Ingredient	Content	Purpose
Insulin	1.0mg/mL	Insulin can promote glucose and amino acid uptake, fat production, phosphate transport, protein and nucleic acid synthesis.
CellPrime rTransferrin AF (All iron)	0.55mg/mL	Transferrin, as a carrier of iron, helps to reduce the toxicity of oxygen free radicals and hydrogen peroxide.
Sodium selenite	0.5µg/mL	Selenite is a cofactor for glutathione peroxidase and other proteins, used as an antioxidant in culture media.
Earle balanced salt solution (EBSS)	/	Buffer

### Usage

Recommended dilution concentration (1:100), add this product in proportion to low serum concentration medium during cultivation.

In the initial stage of cultivation, adding 2% to 4% fetal bovine serum to the medium containing this product can achieve the same cell growth effect as the same medium containing 10% fetal bovine serum. After the cells adapt, the concentration of fetal bovine serum can be further reduced.

### Note

1. This product is packaged aseptically. Please pay attention to aseptic operation during use to avoid microbial contamination.
2. Do not inhale, swallow or come into direct contact with skin and eyes.
3. This product is for scientific research and production use, used for in vitro culture of tissues and cells.

**For Research Use Only**