

# Insulin-Transferrin-Selenium-Ethanolamine ITS-X, 200X

*Cell Culture Reagents-Growth Supplements*

产品编号: CC123

中文名称: Insulin-Transferrin-Selenium-Ethanolamine (ITS-X), 100X

中文名称: 胰岛素、转铁蛋白、硒、乙醇胺溶液

产品简介: The 100X Insulin-Transferrin-Selenium-Ethanolamine (ITS-X) supplement is a concentrated cell culture additive designed to support cell growth and maintenance in serum-reduced or serum-free media. It provides essential nutrients and factors for cell metabolism and proliferation, including:

- Insulin: A hormone that regulates glucose uptake and promotes cell growth by enhancing nutrient utilization.
- Transferrin: A glycoprotein that facilitates iron transport into cells, crucial for cellular respiration and DNA synthesis.
- Selenium: An essential trace element that acts as an antioxidant, protecting cells from oxidative stress and supporting enzymatic activities.
- Ethanolamine: A precursor for the synthesis of phospholipids, which are key components of cellular membranes.

This supplement is used in various cell culture applications, including the growth of adherent and suspension cells, and is ideal for supporting the proliferation of cells in reduced-serum or serum-free conditions. The recommended working concentration is 1X, achieved by diluting the 100X supplement into the culture medium.

产品成分:	成分	含量 (mg/mL)
	rhInsulin (recombinant human) (重组人胰岛素):	1
	Human transferrin (substantially iron free) (人转铁蛋白):	0.55
	Sodium selenite (硒酸钠):	0.00067
	Ethanolamine (乙醇胺):	0.2

产品类型: Ready-to-use, sterile filtered solution

包装规格: 10 mL, sufficient to prepare 1 liter of medium.

储存条件: -20°C

**FOR RESEARCH USE ONLY, NOT FOR USE IN DIAGNOSTIC AND THERAPEUTIC PROCEDURES**

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