Insulin, Transferrin, Selenium Solution (ITS)，100X

Insulin, Transferrin, Selenium-A Solution (ITS-A)，100X

Insulin, Transferrin, Selenium-X Solution (ITS-X)，100X

(For Research Use Only. Not for use in diagnostic procedures)

Description

Insulin-Transferrin-Selenium (ITS) Supplement contains Insulin, Transferrin, and Sodium Selenite, prepared in Earle's Balanced Salt Solution (EBSS) without Phenol Red. In addition, ITS-A and ITS-X contain Sodium Pyruvate and Ethanolamine, respectively. ITS supplementation of many conventional synthetic nutrient media permits substantial reduction in the Fetal Bovine Serum (FBS) requirement for routine maintenance and low-density attachment of many adherent cell types.

Safety information

Wear appropriate protective eyewear, clothing, and gloves.
Caution: Handle in accordance with established bio-safety practices.

Use

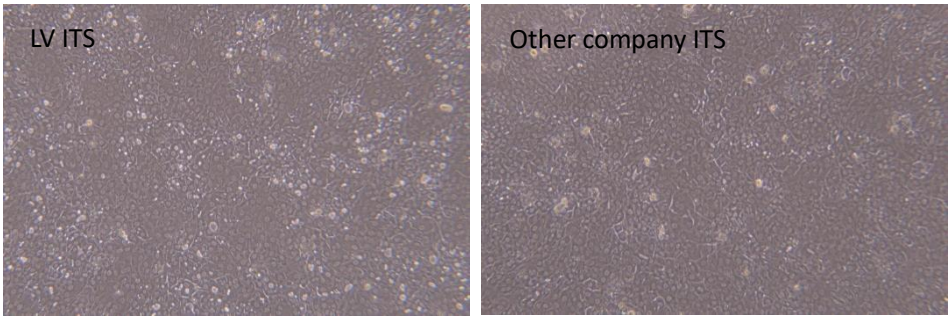
• Each 10 mL vial of Insulin-Transferrin-Selenium 100X Supplement is sufficient for up to one liter of medium.
• In general, it is necessary to add 2–4% FBS to achieve optimal growth, although some adherent cultures may require less serum supplementation following initial adaptation.
• Store Insulin-Transferrin-Selenium supplemented medium in the dark at 2°C to 8°C.

Product	Catalog no.	Amount	Storage	Shelf life
Insulin, Transferrin, Selenium Solution (ITS), 100X	LV-ITS001	10ml	2-8℃	12months
Insulin, Transferrin, Selenium-A Solution (ITS-A), 100X	LV-ITS001A			
Insulin, Transferrin, Selenium-X Solution (ITS-X), 100X	LV-ITS001X			

Contents

Components	Concentration (g/L)		
	ITS	ITS-A	ITS-X
Insulin	1.00	1.00	1.00
Transferrin	0.55	0.55	0.55
Sodium Selenite	0.00067	0.00067	0.00067
Sodium Pyruvate	-----	11.00	-----
Ethanolamine	-----	-----	0.20

QC TEST



The results showed that there was no significant difference in the morphology of the primary pig hepatocytes, and the hepatocytes cultured by LV ITS formed a more prominent structure of bile duct.

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