



# Technical Data Sheet / 技术说明书

## ITS Supplement (100×)

## ITS 液体培养基补充剂 (100×)

Catalog Number / 货号: S004

Regulatory Status: For Research Use Only (仅供科研使用)

### Product Overview / 产品概览

ITS liquid medium supplement (100×) contains important substances such as insulin, transferrin, and sodium selenite, which are suitable for the in vitro growth and differentiation of cells. They can promote cell proliferation and reduce the serum concentration required for the maintenance and low-density adherence of various cells. Insulin can promote glucose and amino acid uptake, fat production, phosphate transport, protein and nucleic acid synthesis; transferrin, as a carrier of iron, helps to reduce the toxicity of oxygen free radicals and hydrogen peroxide; sodium selenite is an auxiliary factor for glutathione peroxidase and other proteins, and is used as an antioxidant in the culture medium. (ITS 液体培养基补充剂 (100×) 包含胰岛素、转铁蛋白和亚硒酸钠等重要物质, 这些物质适用于细胞的体外生长和分化。它们能够促进细胞增殖, 降低多种细胞维持和低密度贴壁所需的血清浓度。胰岛素可以促进葡萄糖和氨基酸摄取、脂肪生成、磷酸盐运输、蛋白质和核酸合成; 转铁蛋白作为铁的载体, 有助于降低氧自由基和过氧化氢的毒性; 亚硒酸盐是谷胱甘肽过氧化物酶和其他蛋白质的辅助因子, 在培养基中用作抗氧化剂。)

### Product Information / 产品信息

Cat	Kit components	Specifications	Usage & Storage
S004	ITS	5 mL	Stored in the dark at 2~8 °C, with a shelf life of 12 months

### Medium Preparation / 培养基的配制

- ITS Supplement is provided as a 100× concentrated solution. Dilute ITS Supplement into the base medium 1:100. (ITS 液体培养基补充剂以 100 倍浓缩)



溶液的形式提供。将 ITS 液体培养基补充剂按 1:100 的比例稀释到基础培养基中。)

2. Add different amino acids or other necessary supplements according to different needs. (根据不同的需求加入不同的氨基酸或其它必须的补充剂成分。)

### Precautions / 注意事项

- The prepared medium can be stored at 4°C for no more than 1 week. (配制好的培养基可置于 4°C 保存, **保存期限不超过 1 周**。)
- This product is for research or further study only, not for diagnosis and treatment. (本产品仅用于科研或进一步研究使用, 不用于诊断和治疗。)

### Contact & Support / 联系方式

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