

Catalog	Unit Size
TBS8114-100	100 ml
TBS8114-500	500 ml

Description

Tribio Sucrose Solution, Sterile is a ready-to-use 30% sucrose solution prepared with high-purity sucrose and molecular biology grade water. This solution is free from preservatives, proteases, nucleases, and endotoxins. The solution is suitable for applications in cell culture, density gradient separations, and molecular biology experiments where osmotic balance or density control is required.

Application

- **Competent Cell Handling:** Protects *Escherichia coli* during preparation, washing, and electroporation.
- **Organelle Isolation:** Aids separation of nuclei, mitochondria, and lysosomes.
- **Polysome and Ribosome Profiling:** Stabilizes ribosomes and polysomes during extraction.
- **Membrane Vesicle Isolation:** Supports extraction of bacterial outer membrane vesicles and exosomes.
- **Density Gradient Centrifugation:** Separates viruses, organelles, and macromolecular complexes.
- **Sucrose Cushion Ultracentrifugation:** Concentrates and purifies viral particles (e.g., AAV, lentivirus, influenza) and ribosomes.
- **Immunohistochemistry (IHC):** Serves as a cryoprotective agent to prevent ice crystal artifact formation in frozen tissue sections, preserving cellular morphology and antigen integrity.

Main Features

- **Ready-to-Use:** No further preparation required.
- **High Purity:** Suitable for molecular biology and cell culture.

Procedure

General usage guidelines. Optimize according to specific experimental requirements.

1. Work under sterile conditions.
2. Calculate the required volume for your application.
3. Use a sterile pipette to transfer the solution.
4. Add directly to culture media or buffers and mix gently.

5. For density gradient applications, dilute or layer according to experimental needs.

Storage

Storage at Room Temperature.

Relative Products

TBS2005	Protein Assay Kit
TBS5001	Protein Lysis Buffer
TBS5003-0	1xPBS
TBS5011-10	10 x PBST
TBS5008	TBS
TBS5008T	TBST
TBS5037	Urea Solution (8M)
TBS5038	Ammonium Sulfate Solution
TBS5040	0.5M EDTA Solution
TBS5041	MOPS Buffer
TBS5048	2% BSA in PBS
TBS5049-2	2% BSA in TBST
TBS5049-5	5% BSA in TBST
TBS5057	0.1% BSA ELISA Assay Buffer
TBS5077	Antigen retrieval Citrate Solution-pH6.0
TBS8024	MCF10 Cell Complete Medium
TBS8027	EMEM with L-Glutamine
TBS8030	McCoy's 5A Medium
TBS8031	30% BSA Solution in DPBS
TBS8047	MCF-7 Cell Complete Medium
TBS8056	LB Medium
TBS8057	SOB Medium
TBS8058	SOC Medium
TBS8059	2x YT Medium
TBS8060	Terrific Broth (TB) Medium
TBS8061	DMEM-high Glucose Medium

This product is for research use only.