

Tris-Glycine-SDS Electrophoresis Buffer, 1X, Powder, 10 L – Instruction Manual

Catalogue Information

Catalogue No.	Product Name	Pack Size
BL603C	Tris-Glycine-SDS Electrophoresis Buffer, 1X, Powder, 10 L	10 x 1 L sachet

Product Description

Tris-Glycine-SDS Running Buffer is a powdered reagent designed for use in denaturing polyacrylamide gel electrophoresis (SDS-PAGE). It provides consistent ionic strength and buffering capacity to ensure reliable protein migration and separation. The buffer is supplied as powder; dissolve it in double-distilled water to a final volume of 1 L before use.

Composition

Component	Final Concentration (1×)
Tris Base	25 mM
Glycine	250 mM
SDS	0.1%

Instructions for Use

1. Add the entire contents of one pouch to double-distilled water and make up to a final volume of 1,000 mL.
2. Mix thoroughly until completely dissolved.
3. Use the prepared 1× buffer immediately after preparation.
4. The buffer is suitable for use as the running buffer in SDS-PAGE electrophoresis

Notes

1. For protein denaturation, heating at 95 °C for 5 minutes is recommended. Excessively high temperatures (e.g. 100 °C) or prolonged heating (over 15 minutes) may cause protein degradation or abnormal color of the loading buffer's tracking dye.
2. This buffer (5X, containing TCEP) is free from toxic β-mercaptoethanol and odorous DTT, while providing equivalent reducing power and electrophoresis performance.
3. 5× buffer (with TCEP) must be fully dissolved before use. It is advised to aliquot and freeze based on usage needs to avoid repeated freeze-thaw cycles.
4. This product is for research use only by professionals. Not for clinical diagnostic, therapeutic, food, or drug use.
5. For safety and health, wear lab coat and disposable gloves when using.

Storage and Stability

1. Store at –20 °C.
2. Valid for 1 year when stored under recommended conditions.

Notice

For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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