

DATA SHEET

Version: 2
Revision date: 17/02/23

1. Identification

Product name	Tris-Glycine-SDS Buffer pH 8.3 5L (5 pouch)
Cat. No	BR0052-XL

2. Description

Tris-glycine-SDS buffer (TG-SDS) contains the denaturing agent sodium dodecyl sulphate (SDS). Protein electrophoresis under denaturing conditions (SDS-PAGE) involves separating proteins based on their size. By treating the sample under denaturing and reducing conditions with SDS, proteins unfold and become coated with SDS detergent molecules.

3. Specifications

Chemicals: Analytical grade.
Format: Exactly pre-weighed powder.
Volume: 1000 ml/pouch.
Concentration: 0.025 M Tris, 0.192 M glycine, 0.10% SDS
pH: 8.3 ± 0.2 at 25°C

4. Shipping and Storage specifications

The TG-SDS buffer is shipped at room temperature.
Store the pouches in a dry place at room temperature.

5. Applications

- Protein electrophoresis
- Denatured protein electrophoresis
- Polyacrylamide gel electrophoresis
- Western blotting

6. Directions for use

Empty one pouch of the TG-SDS buffer in a laboratory flask or beaker placed on a magnetic stirrer. Add deionized water and stir the solution for a few minutes. Adjust the volume up to 1000 ml, stir until full dissolution and the buffer solution is ready to use.

7. Further information

Product Use Limitation	This product is developed, designed and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.
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