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DATA SHEET

Version: 4
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1. Identification

Product name **Tris-Glycine SDS (pH 8.3), Sterile**

Cat. No
BR0053 1000 mL (1X solution)
BR0062 1000 mL (10X solution)

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: Liquid
Sterilization: purified using a 0.22 µm filtration process [aseptically filled]
Composition (1X): 0.025 M Tris, 0.192 M glycine, 0.10% SDS
Direction of use: Ready-to-use solution

The pH should be 8.3 ± 0.2 at 25°C.
- The pH of the solution may require slight adjustment.
- Adjust pH with 1N HCl (if pH is high) or 1N NaOH (if pH is low)

4. Shipping and Storage specifications

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

5. Applications

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

6. Quality

Manufactured in an **ISO 13485:2016 and GMP-certified facility**, located in Boecillo, Valladolid (Spain), under ISO9001:2016 procedures to ensure the highest quality standards.

7. Further information

Product Use Limitations 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 suitablefor administration to humans or animals.

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