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DATA SHEET

Version: 3
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1. Identification

Product name **Tris Buffered Saline (TBS) (pH 7.4), Sterile**

Cat. No

BR0034	1L (1X)
BR0033	1L (10X)
BR0038	5L (10X)

2. Description

Tris buffered saline (TBS) is a buffer to maintain the pH without large variations. TBS is isotonic and nontoxic to cells thereby emulating the physiological conditions. It is used to dilute samples and wash buffer in immunoassays as ELISA or immuno-histochemistry when the background is high. In Western blot is used for diluting phosphatase or peroxidase-conjugated antibodies.

3. Specifications

Chemicals: Analytical grade.
Format: Liquid
Composition (1X): 0.050 M Tris-HCl, 0.15 M NaCl.
Direction of use (1x): Ready-to-use solution; **(10X):** Dilute 10x solutions 10:1 to make a 1x working solution.
Sterilization: purified using a 0.22 µm filtration process [aseptically filled]

The pH should be 7.4 ± 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 TBS buffer is shipped at room temperature. Store the product in a dry place at room temperature.

5. Applications

- Used to dilute substances
- Wash buffer in ELISA.
- Used to dilute phosphatase and peroxidase conjugated antibodies in Western blot.
- Used in immuno-histochemistry staining, to clean the background.
- Wash buffer *in situ* hybridization.

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 suitable for administration to humans or animals.

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