

DATA SHEET

Version: 3
Revision date: 02/06/2025

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1. Identification

Product name	PBS with Tween™ 20, pH 7.6 (20X), Sterile 1000mL (20X solution)
Cat. No	BR02-XL

2. Description

Phosphate-buffered Saline with Tween™-20 (PBS-T) is a water-based salt solution ideal for use in sample preparation and as a wash buffer in general immunoassay applications. It contains Tween 20, a nonionic detergent additive that reduces non-specific binding and protein-protein interaction during the wash step in protein and immunoassay procedures such as ELISA and Western blotting. Decreasing the non-specific binding and staining makes ELISA results and blots easier to interpret.

3. Specifications

Format: Liquid, 20x concentrated

Sterilization: purified using a 0.22 µm filtration process [aseptically filled]

Composition (1X): 0.01 M PBS, 0.138 M NaCl, 0.0027 M KCl and 0.05% Tween™ 20

Direction of use: Dilute 20x solutions 20:1 to make a 1x working solution.

The pH should be 7.6 ± 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

20X PBS-T buffer is shipped at room temperature. Store the product in a dry place at room temperature. In order to provide this product at 20x, the salts in solution are at a very high concentration. It has been found that at temperatures below 10°C, the salts fall out of solution. If this occurs during your shipment conditions, please stir the product to get the salts back into solution.

5. Applications

- Wash buffer in immunolabelling techniques, such as ELISA and Western blotting
- Blocking buffer for plate-based assays (it may require additional items).
- Protein-plate coating

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 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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