

SMART BUFFERS

Phosphate Buffered Saline with Tween™ 20 (PBS-T), pH 7.4



Benefits

- Formulated from analytical grade reagents
- PBS with non-ionic detergent
- Specifically developed for immunoassays
- Exactly pre-weighed tablets
- Dissolve and go for greater convenience

Product description

PBS-T buffer contains the non-ionic detergent Tween™ 20, which acts through blocking. It has the ability to reduce nonspecific binding and protein-protein interactions during the wash step in protein and immunoassay procedures such as ELISA and Western blotting. Decreasing the nonspecific binding and staining makes ELISA results and blots easier to interpret.

Medicago's PBS-T buffer is supplied as exactly preweighed tablets in bottles and in convenient blister packs. Final buffer volumes range from 100 ml to 1000 ml. One tablet dissolved in deionized water yields a 0.14 M sodium chloride 0.0027 M potassium chloride, 0.05 % Tween™ 20, 0.01 M phosphate buffer with pH 7.4 at 25°C.

Applications

- Wash buffer in immunolabelling techniques, such as ELISA and Western blotting
- Blocking buffer for plate based assays
- Protein-plate coating

Directions for use

Deposit one tablet in a laboratory flask or beaker placed on a magnetic stirrer. Add 50 ml to 300 ml of deionized water and stir for a couple minutes. Adjust up to the given buffer volume, stir until full dissolution and the buffer is ready to use.

Specifications	PBS-Tween
Chemicals	Analytical grade
Format	Exactly pre-weighed tablets
Concentration	0.14 M NaCl 0.0027 M KCl 0.05% Tween™ 20 0.010 M PO ₄ ³⁻
pH	7.4 ± 0.05 at 25°C
Shelf life	Three years after production date

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Shipping and storage

PBS-T buffer is shipped at room temperature. Store the product in a dry place at room temperature. Shelf life is three years.

Tips and hints

If the tablet is not properly dissolved, make sure:

- the water temperature is 25°C (do not exceed this temperature)
- the buffer solution is properly stirred.

Sterilization can be performed by filtration. Filter the buffer into a sterile flask through a 0.22 µm filter and keep at +4°C.

Certifications

Medicago's laboratories and manufacturing site in Uppsala is ISO 9001:2015 certified. Each stage of the manufacturing process is controlled and monitored by stringent quality control procedures to guarantee the highest possible quality and lot-to-lot reproducibility.



Intertek

Ordering information

Article no.	Product name	Pack size	Solution vol.
09-8903-100	PBS-T pH 7.4	100 tablets	100 ml/tablet
09-8902-100	PBS-T pH 7.4	100 tablets	500 ml/tablet
09-8902-12	PBS-T pH 7.4	12 tablets*	500 ml/tablet
09-9410-100	PBS-T pH 7.4	100 tablets	1000 ml/tablet
09-9410-10	PBS-T pH 7.4	10 tablets*	1000 ml/tablet

*Blister pack