



## SMARTBUFFERS

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



#### Features

- 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 non-specific binding and protein-protein interactions 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.

Medicago's PBS-T buffer is supplied as exactly pre-weighed 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.

#### 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.

#### Specifications

Chemicals	Analytical grade
Format	Exactly pre-weighed tablets
Composition	0.14 M NaCl 0.0027 M KCl 0.05% Tween™ 20 0.010 M PO <sub>4</sub> <sup>3-</sup>
Volume	100 ml, 500 ml and 1000 ml
pH	7.4 ± 0.05 at 25°C
Shelf life	Three years after production date

#### 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 are ISO 9001:2008 and ISO 13485:2003 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.



#### Ordering information

Article no.	Product name	Pack size	Solution vol.
A09-8903-100	PBS-T pH 7.4	100 tablets	100 ml/tablet
A09-8902-100	PBS-T pH 7.4	100 tablets	500 ml/tablet
A09-8902-12	PBS-T pH 7.4	12 tablets*	500 ml/tablet
A09-9410-100	PBS-T pH 7.4	100 tablets	1000 ml/tablet
A09-9410-10	PBS-T pH 7.4	10 tablets*	1000 ml/bottle

\*Blister pack