

PRODUCT DATA SHEET

WASH BUFFER

0.01M PBS pH 7.2 with Tween® 20 20x

1. Description

Phosphate buffered saline (PBS) solution with the detergent Tween® 20 is a balanced salt solution and is one of the most commonly used buffers as a wash solution for Western blot membranes and microplate wells ELISA assays. The Biomat wash buffer with Tween® 20 is an optimal formulation of pH stabilizer, salts and detergents designed to remove excess material from wells of microplate or membranes without disrupting the binding reaction. It's very important to use a good washing buffer because it is able to separate bound and unbound reagents/serum component.

The Biomat 0.01M PBS pH 7.2 with Tween® 20 is offered as a 20x concentrated stock solution.

Code	Size	Physical state	Concentration
200-3-100	100 ml	liquid	20x
200-3-500	500 ml	liquid	20x
200-3-1000	1000 ml	liquid	20x

2. Features

Composition: 7.7 mM Na ₂ HPO ₄ 2.3 mM NaH ₂ PO ₄ • H ₂ O 145 mM NaCl 0.05% Tween® 20
Does not contain preservatives
Stock solution has to be diluted 1:20 with deionized water to get the working solution
Negligible differences lot to lot

3. Specifications

pH	7.2 ± 0.2 at 25°C
Colour	Colourless o slightly yellow

4. Stability and storage

12 months at 2-8 °C (tolerates repeated freezing and thawing cycles) – Shipping condition: Room temperature	
Other information	After storage at 2-8°C or after freezing crystals of salt can precipitate. Therefore the buffer must be warmed up to room temperature and should be mixed thoroughly before use. This leads to dissolve salts after shaking.
	All lots are tested
	Certificate of Quality is released for every lot

HOW TO USE

The Biomat wash buffer 0.01M PBS pH 7.2 with Tween® 20 20x has to be warmed up to room temperature and mixed thoroughly before preparing the working solution.

Before use dilute the stock solution 1:20 with deionized water to get the working solution. The working solution so prepared is stable at least 1 week at 2-8 °C.

After the coating or an ELISA step, empty the wells of the microplate and immediately dispense the wash buffer into the wells. Repeat this process 3-6 times for every well.

At the end of wash, empty properly and proceed as usual.

Generally, the mechanical action of flooding wells with a solution is enough to wash wells of unbound reagents. Some users leave washing solution for a short time (soak time) after each addition (1-5 minutes).

Product Data Sheet subject to change without notice.

For detailed technical information visit www.biomat.it