info@biomat.it www.biomat.it

Quality System ISO 9001:2015
Certificate # 50 100 1842

PRODUCT DATA SHEET

WASH BUFFER

0.01M PBS pH 7.2 20x

1. Description

Phosphate buffered saline (PBS) is a balanced salt solution and is one of the most commonly used buffers for washing in ELISA or Western blotting assays. It's very important to use a good washing buffer because it is able to separate bound and unbound reagents/serum component. It's an isotonic and non-toxic buffer to cells.

The Biomat 0.01M PBS pH 7.2 is offered as pre-weighed powder mix for preparing a stock solution 20x.

Code	Size	Physical state	Solution vol.	Concentration
200-2-1000	1 pouch	powder	1000 ml/pouch	20x

2. Features

Composition: 7.7 mM Na_2HPO_4 2.3 mM $NaH_2PO_4 \cdot H_2O$ 145 mM NaCl
Does not contain preservatives
Stock solution must 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, after dissolution
Colour	White powder
Dissolution time	≤ 5 min

4. Stability and storage

12 months in a dry place at room temperature – **Shipping condition**: Room temperature	
Other information	All lots are tested
	Certificate of Quality is released for every lot

HOW TO USE

Empty one pouch in a beaker. Add:
900 ml of deionized water for pouches in the volume range 1000 ml

Place the beaker on a magnetic stirrer, slightly warm and stir the solution a few minutes, until full dissolution.
When the powder is dissolved, adjust the indicated volume with deionized water in a cylinder and the stock solution 20x is ready to use.
Before use dilute 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 persons 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