

# Data sheet



## Phosphate Buffered Saline (PBS), pH 7.2

- **BR0021:** 8 L (8 Tablets)
- **BR0022:** 16 L (16 Tablets)
- **BR0023:** 50 L (50 Tablets)
- **BR0024:** 100 L (100 Tablets)

### Introduction

Phosphate-buffered Saline (PBS) is a water-based salt solution containing sodium phosphate, sodium chloride, potassium chloride and potassium phosphate. PBS is used in cell biology to maintain the osmolarity. Furthermore, PBS is usually used to immunoassays (ELISA, immuno-histochemical).

Otherwise, to maintain the protein pH, to dissolve proteins and peptides samples are used PBS. Thereby, the buffer can equilibrate the gel filter columns.

### Applications

- Dilute substances.
- Used to immobilize a substance, as a protein, in a solid surface.
- Immuno-histochemical, ELISA and Western blot assays.
- Cell cultures procedures.
- Microbiological procedures.

### Specifications

Chemicals: Analytical grade.

Format: Exactly pre-weighed tablets.

Composition: 0.14 M NaCl; 0.0027 M KCl; 0.010 M  $\text{PO}_4^{3-}$ .

Volume: 1000 ml/Tablets

pH:  $7.2 \pm 0.05$  at 25 °C

### Shipping and storage

PBS buffer is shipped at room temperature. Store the product in a dry place at room temperature. PBS solution is stable for one year at +4°C

### Directions for use

Dissolve one tablet in 1L of water. Stir until complete dissolution.

### PRODUCT USE LIMITATION

This product is developed, designed and sold exclusively for research purposes and in vitro use only. Please refer to [www.canvaxbiotech.com](http://www.canvaxbiotech.com) for Material Safety Data Sheet of the product.

