

## PBS Buffer, Lyophilized powder

Cat #: C-BSM17208

Size: 1L/pouch\*50

Storage: Store at room temperature for 3 years



### Product Introduction

PBS is a white instant soluble powder. Each packet of PBS instant powder can be reconstituted with 1 liter of 1× PBS buffer, offering a straightforward and convenient operation. The primary components of PBS include sodium chloride, potassium chloride, and phosphate. The concentration of sodium chloride in 1× PBS buffer is 137 mM, potassium chloride is 2.7 mM, and phosphate is 10 mM.

PBS is a widely used buffer in the field of biology, suitable for applications in immunoassay experiments, microbiology experiments, protein biochemistry experiments, and more. The PBS buffer prepared using PBS instant powder can be further processed through a 0.22 µm sterile filter and applied in cell culture, washing, and other related experiments.

\* All related raw materials are of analytical/reagent grade (AR/GR).

### Components

- NaCl : 137 mM
- KCl : 2.7 mM
- Phosphate : 10 mM

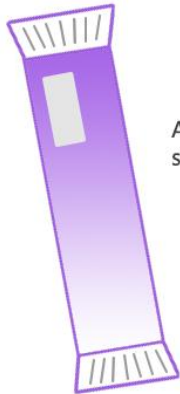
### Instructions for use:

1. Measure approximately 600 ml of distilled water and add it to a beaker. Place a magnetic stir bar in the beaker.
2. Position the beaker on a magnetic stirrer and gradually add the entire content of 1 packet of PBS powder. Stir the solution until it is completely dissolved.
3. Add distilled water to the PBS solution from step 2, bringing it to a final volume of 1 liter, referred to as 1× PBS.

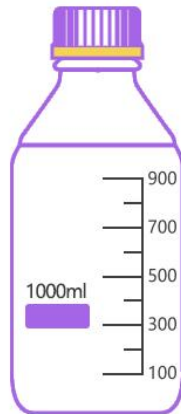
\* Upon reconstitution, the pH of the 1× solution is 7.4±0.2 at a temperature of 25°C

## Illustration for reconstitution:

1 Pouch of lyophilized powder



1 L  
1 x Buffer



Add water and stir to volume

