

PBS buffer (1L, powder)

Introduction

PBS is a widely used buffer in biology, applicable in immunoassays, microbiology experiments, protein biochemistry experiments, and more. PBS buffer prepared from PBS instant granules can be treated with a 0.22 μm sterile filter and then used in cell culture, washing, and related experiments.

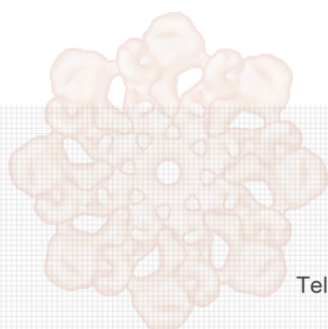
This product consists of white instant granules. Each bag of PBS instant granules can be used to prepare 1 L of 1 \times PBS buffer, offering easy operation and convenient use. The main components of PBS are sodium chloride, potassium chloride, and phosphate. In 1 \times PBS buffer, the concentration of sodium chloride is 137 mM, the concentration of potassium chloride is 2.7 mM, and the concentration of phosphate is 10 mM.

Protocol

1. Measure approximately 600 mL of distilled water into a beaker, and place a magnetic stir bar in the beaker.
2. Place the beaker on a magnetic stirrer, slowly add the entire contents of one bag of PBS instant granules, and stir the solution until completely dissolved.
3. Add distilled water to the PBS solution from step 2 to a final volume of 1 L, resulting in 1 \times PBS buffer.

Note

1. The pH value after formulating 1 \times solution is 7.4 ± 0.2 @25°C.
2. All relevant raw materials are of AR/GR grade.
3. This product is for scientific use only.



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