

Instant PBS Buffer

Catalog Number: EXBR052



info@exreprotein.com

For Research Use Only. Not Intended for Diagnostic or Therapeutic Use.

Product Description

Instant PBS Buffer simplifies preparation of Phosphate-Buffered Saline (PBS) with easy to dissolve powder granules to prepare a 1 Liter, 1X working solution. It does not require additional calculations or pH adjustments to help reduce errors and maintain consistent buffer preparation.

The 1X solution is 137 mM NaCl, 2.7 mM KCl and 10 mM phosphate (pH 7.4±0.2 at 25°C). PBS is used in a wide variety of immunoassay, microbiology, and biochemistry applications. It is recommended to sterile filter the buffer solution with a 0.2 um filter for cell culture and other applications requiring sterile conditions.

Available sizes: 20 Pack or 100 Pack.

Limitations

- For Research Use Only. Not Intended for Diagnostic or Therapeutic Use.

Precautions

- Always wear appropriate protective clothing and follow safe laboratory procedures.

Storage

Store unopened packs at 10-30°C for up to 36 months.

Preparation of Reagents

1. Transfer instant powder granules from 1 packet of Instant PBS Buffer to a beaker.
2. Pre-dissolve the granules by slowly adding 500 mL distilled or deionized water to the beaker, allowing the 1-5 minutes for the granules to completely dissolve while gently stirring with a stirring rod or magnetic stir bar.
3. Transfer the dissolved solution to a volumetric flask and bring up the volume to 1000 mL by adding distilled or deionized water, which is a 1X working solution.