

PBS Buffer

Description:

Phosphate Buffered Saline (PBS) is a widely utilized buffer solution in biochemical and cellular biology research, known for its ability to maintain the pH in a stable range. The formulation of PBS as a 10X concentrate provides researchers allowing for dilution to the necessary concentration as required by specific experimental conditions. It is also available in a ready-to-use 1X formulation.

PBS is commonly used for cell washing procedures, helping to remove debris and residual media from cell cultures without disrupting the membrane integrity or physiological conditions that cells require. This is essential during steps such as cell fixation, where cells are treated with fixatives to preserve their structure for microscopy or other analytical techniques. Additionally, PBS is used as a diluent in the preparation of solutions used in experimental assays, ensuring that reaction components are at appropriate concentrations and that pH levels remain consistent throughout experimental procedures. Its buffering capabilities are essential in maintaining the pH stability necessary for enzyme reactions and protein interactions, which are often pH-sensitive.

For Orders:

Catalog Number	Product	Size
NB001511500	PBS Buffer, 1X	500 mL
NB001511102	PBS Buffer, 1X	1 L
NB001510100	PBS Buffer, 10X	100 mL
NB001510500	PBS Buffer, 10X	500 mL
NB001510102	PBS Buffer, 10X	1 L

- **Ready to dilute and ready to use** – 1X and 10X concentrated formulations are available
- **Reduced preparation time** – no reagents to weigh and filter
- **Quality-controlled reagent** – reproducible results