

Atlas PBS - Ready Mixed Powder

Cat. No.	Pack Size
BA01701	for 1 L

Storage & Shipping:

Storage and shipping at room temperature.

Applications:

- Immunoassays
- Immuno-histochemical procedures
- Microbiological procedures
- Tissue and cell culture procedures
- Sample dilution

Description:

Among biological buffers, PBS is one of the most commonly used. The buffer is isotonic and non-toxic to cells, has the ability to maintain their osmolarity buffer and helps to maintain a constant pH. This buffer is autoclavable. Thereby the buffer is suitable for washing procedures in cell cultures, for immunoassays such as ELISA and immuno-histochemical procedures. It is often used for sample dilution in molecular biology and as protein diluent in Western blotting.

Specification:

Atlas PBS is ready-mixed Phosphate-Buffered-Saline buffer powder for 1 litre of 10X concentrated aqueous solution. Atlas PBS buffer has to be dissolved in 1 L of distilled water*. On dilution, the resultant 10x PBS solution will have final concentration 1.5 M Sodium Chloride, 0.1 M Phosphate, pH (20°C; H₂O) 7.4 ± 0.2.

It is ready to use in minutes. After dilution filtrate the buffer solution through a 0.22 µm filter into a sterile flask or autoclave for 15 to 20 minutes. Keep the buffer solution at +4°C.

* *Dissolve powder completely! Don't dissolve portions of the powder mixture.*

Safety warnings and precautions:

This product is designed for research purposes and *in vitro* use only. According to common laboratory safety practice, it is recommended to wear protective clothing, gloves and safety glasses. Please refer to www.bioatlas.com for Material Safety Data Sheet of the product.

Some applications this product is used in may require a license which is not provided by the purchase of this product. Users should obtain the license if required.