

1X PBS Solution

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
1X PBS Solution	ML116-100ML	100 ml
	ML116-500ML	500 ml

Introduction:

Phosphate Buffered Saline (PBS) is a common buffer extensively used in molecular biology and biochemistry as it can maintain pH and Osmolarity. 1X PBS Solution is supplied as a ready to use form for convenience.

Description:

1X PBS is a water-based salt solution containing Sodium chloride, Sodium phosphate and Potassium phosphate. This solution is extensively used for dilution and washing during various biological applications as it maintains the physiological pH and osmolarity. The phosphate groups of this buffer help to maintain a constant pH.

Application:

1X PBS Solution is widely used in molecular biology and tissue culture as dilution and wash buffer as it is isotonic and non-toxic to living cells. It is also used as a wash solution and for diluting antibodies during western blotting and immunohistochemical staining. While preparing wash solutions sometimes Tween20 is also added.

Composition:

1X PBS is composed of 137 mM Sodium chloride, 10 mM Disodium hydrogen phosphate, 2 mM Potassium dihydrogen phosphate and the pH is adjusted to 7.4.

Properties:

Appearance	: Colorless solution
Clarity	: Clear and free of particles
pH	: 7.3 – 7.5
DNase	: None detected
Sterility	: No Bacterial or Fungal growth observed after 14 days of incubation as per USP Specifications
Suitability Test	: This reagent has been tested and is suitable for use in various Molecular biology assays.

Please refer disclaimer Overleaf.

Storage conditions:

1X PBS Solution has to be stored at room temperature (15 - 25 °C). Under recommended condition, the reagent is stable for 48 months.

Note: After opening the bottle, store at 2-8 °C

Warning and Precautions

Not for Medicinal Use. Read the SDS carefully before beginning the protocol. Wear protective gloves/protective clothing/eye protection/face protection. Follow good clinical laboratory practices while handling clinical samples. Standard precautions should be followed as per established guidelines. Safety guidelines may be referred in safety data sheets of the product.

Performance and Evaluation

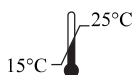
Performance of the solution is expected when the solution is stored at recommended temperature and within the expiry period.

Safety Information

The 1X PBS Solution is for laboratory use only, not for drug, household or other uses. Take appropriate laboratory safety measures and wear gloves and safety goggles when handling. Not compatible with disinfecting agents containing bleach. Please refer the Safety Data Sheet (SDS) for information regarding hazards and safe handling practices.

Technical Assistance

At HiMedia we pride ourselves on the quality and availability of our technical support. For any kind of technical assistance, mail at mb@himedialabs.com.



Storage temperature



Do not use if package is damaged



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ML116-02

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