

1×PBS (0.01M, pH 7.2-7.4)

Cat #: A-CSH733

Size: 500mL

Storage: Room temperature (12 months)

Product Description

PBS (phosphate buffered solution) is a widely used buffering solution that provides a relatively stable ion environment and pH buffering capacity. It is commonly utilized in molecular cloning and cell culture applications. PBS has a pH range of 7.2-7.4, which is isotonic with human blood. Its main components include KH_2PO_4 , Na_2HPO_4 , NaCl , and KCl . KH_2PO_4 and Na_2HPO_4 undergo second-stage dissociation, allowing for a broad buffering pH range, while NaCl and KCl primarily serve to increase the salt ion concentration. This product is a 1 × working solution, free of calcium and magnesium ions. It has been sterilized by filtration and can be used directly.

Notes

1. Take an appropriate amount of PBS based on your specific experimental requirements. Special attention should be given to avoiding microbial contamination when using PBS solution.
2. PBS may precipitate under low temperature conditions. If precipitation occurs, it can generally be dissolved by placing the solution in a water bath. If significant precipitation occurs, the solution should be discarded.
3. This product is intended for scientific research purposes by professionals only and should not be used for clinical diagnosis or treatment, or for food or drug purposes.
4. For your safety and health, please wear laboratory attire and disposable gloves when handling the solution.

Disclaimer

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.