

1×PBS (0.0067M, pH 7.0-7.2)

Cat #: A-CSH741

Size: 500mL

Storage: Room temperature (12 months)

Product Description

PBS (phosphate-buffered solution) is the most widely used buffering solution that provides a relatively stable ionic environment and pH buffering capacity. It is commonly used in molecular cloning and cell culture. PBS has a pH range of 7.0-7.2, 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 secondary dissociation, allowing for a wide buffering pH range, while NaCl and KCl primarily serve to increase the salt ion concentration. This product is a 1× working solution that is free of calcium and magnesium ions. It has been sterile filtered and can be used directly.

Usage

Use an appropriate amount of PBS according to the specific experimental requirements, taking care to avoid microbial contamination.

Notes

1. PBS may precipitate under low-temperature conditions. If precipitation occurs, it can generally be dissolved by placing it in a warm water bath. However, if significant precipitation occurs, the solution should be discarded.
2. 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.
3. For your safety and health, please wear appropriate laboratory attire and disposable gloves while handling.

Disclaimer

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