

PBS (pH 7.4, Sterile)

Cat. No.: P1509552 | Pack size: 500 mL | Storage: Room temperature

Overview

PBS (pH 7.4, Sterile) is a phosphate-buffered saline solution that has undergone filtration sterilization and endotoxin testing, suitable for routine applications such as cell culture.

This product contains 155.2 mM NaCl, 1.059 mM KH_2PO_4 , and 2.967 mM Na_2HPO_4 , with a pH value of 7.4 ± 0.1 and an endotoxin content of less than 1 EU/ml. Its formulation is basically consistent with that of the 10010 series PBS from Gibco, a brand of Thermo Fisher Scientific. This reagent is for research use only and not intended for clinical diagnosis or any other purposes.

Operating Procedures (for reference only)

Ready-to-use, no preparation required.

Precautions

1. When washing cells during cell culture, ensure aseptic operation to avoid microbial contamination.
2. The PBS buffer does not contain calcium ions and is less prone to precipitation. If precipitation occurs, incubate the solution in a warm bath until the precipitate dissolves. Discard the solution if a large amount of precipitate forms.
3. Please use the reagent as soon as possible after opening to avoid affecting the results of subsequent experiments.
4. For your safety and health, wear a lab coat and disposable gloves during operation.

Specifications

Property	Value
Synonyms	PBS Phosphate-Buffered Saline
Specifications & Purity	BioReagent, Low Endotoxin, sterile-filtered, for cell culture
Stability And Storage	Store at room temperature long term (12 months).
Storage Conditions	Room temperature

Property	Value
Shipped In	Normal
Grade	BioReagent, for cell culture, Low Endotoxin, sterile-filtered
pH	7.4±0.1

Contact & Global Offices

Whether you have a technical question, need help with a quotation, or want to inquire about an order, our regional teams are ready to assist. Please contact the office for your region; for general inquiries, the North American office is the corporate primary.

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Limitations & Disclaimer

- For Research Use Only (RUO). Not for use in human or animal diagnostics, therapeutics, or in vivo applications. Not for food, cosmetic, or household use.
- This product is not a CE-marked in vitro diagnostic device under IVDR (EU) 2017/746 and is not an FDA-cleared device under 21 CFR. Use is restricted to verified businesses, institutions, and qualified professionals for research and development purposes.
- Where any kit component is classified as hazardous under CLP (EC) 1272/2008 or OSHA HCS (29 CFR 1910.1200), the product Safety Data Sheet (SDS) takes precedence over this document for handling, storage, and disposal information.
- Performance depends on sample type, sample condition, handling, and operator technique. Users are responsible for validating the product for their specific application.
- Aladdin product labels, SDS, COA, and approved specifications take precedence over this document. If product formulation, label, SDS, storage conditions, pack size, or quality specifications change, this document would be reviewed and reissued.