

POTASSIUM SORBATE SOLUTION

in phosphate buffered saline (PBS)

0.05% (w/v), pH6.5

Catalog No.: CO019

Description

This is a ready-to-use solution of potassium sorbate at a concentration of 0.05% (w/v) dissolved in phosphate buffered saline (PBS). It is intended for laboratory applications where mild antifungal and anti-yeast preservation is required.

Features

- Contains 0.05% (w/v) potassium sorbate, equivalent to 0.5 g/L.
- Prepared in sterile PBS buffer to maintain isotonic conditions.
- Filter sterilized through a 0.22 μ m membrane.

Specifications

- Concentration: 0.05% (w/v) potassium sorbate (0.5 g/L)
- Solvent: PBS buffer (pH 6.5)
- Volume: 500 mL
- Appearance: clear, colorless solution

Recommended Applications

- Useful for short-term preservation against yeasts and molds in laboratory buffer systems.
- Not recommended for mammalian cell culture systems.

Precautions

- The antifungal effectiveness of potassium sorbate depends strongly on pH, being optimal at $\text{pH} \leq 6.5$.
- Store at 2-8°C. Avoid repeated opening to prevent contamination.

Storage & Shelf Life

- Store at 2~8°C in a tightly closed container.
- Shelf life: 24 months under recommended storage conditions.

FOR RESEARCH USE ONLY, NOT FOR USE IN DIAGNOSTIC AND THERAPEUTIC PROCEDURES

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