

Penicillin-Streptomycin Solution Biochemical

Penicillin-Streptomycin Solution, 100x

CATALOG #
AAA174718

PRODUCT SYNONYMS

Penicillin-Streptomycin Solution; 100x; Penicillin-Streptomycin Solution biochemical

PRODUCT SPECIFICATIONS

Form/Format	Liquid
Concentration	100x (varies by lot)
pH	6.1-6.4
Dissolvent	10mM PBS (PH 6.2)
Streptomycin sulfate	10mg/mL
Penicillin G	10kU/mL
Antimicrobial spectrum	Gram-positive bacteria & Gram-negative bacteria
Additional Notes	1:This product is sterilized by 0.1um filtration 2:It is necessary to pay attention to the aseptic operation and avoid the pollution 3:It is not recommended to store this product at room temperature
Preparation and Storage	Store at -5 ~ -20 degrees C, shading light for 12 months.

ADDITIONAL INFORMATION

Related Product Information for Penicillin-Streptomycin Solution biochemical

Background: Penicillin-streptomycin solution mixture is the most commonly used antibiotic to prevent microbial contamination in vitro. Penicillin can interfere with the synthesis of bacterial cell wall, especially for Gram-positive bacteria. Streptomycin could bind to ribosomal ribosome for 30S and inhibit the synthesis of bacterial protein. It was effective for Gram-negative bacteria and Gram-positive bacteria, but especially for Gram-negative bacteria. The combined use of penicillin and streptomycin can prevent most bacterial contamination, but penicillin solution is sensitive to temperature and pH, easy to degrade at room temperature, and needs cryopreservation, the stability of penicillin solution is the most stable when pH is 6.0 - 6.5. Streptomycin was relatively stable, and pH 5.0-7.5 was the most stable.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/biochemical/penicillin-streptomycin-solution/174718>