

Product Data Sheet

Penicillin/Streptomycin (100x)

Product No. GB-PXS-100A



Packing. 100 ml

Storage. - 20°C

General Information:-

The antibiotics penicillin and streptomycin are used in cell culture to prevent bacterial contamination due to their effective combined action against gram-positive and gram-negative bacteria. Penicillin acts by interfering with the turnover of the bacterial cell wall. Streptomycin acts by binding to the 30S subunit of the bacterial ribosome, leading to inhibition of protein synthesis and death in susceptible bacteria. Penicillin/Streptomycin is provided as a ready to use 100x concentrate.

Applications:-

-  Prevention of cell culture contamination
-  Most common antibiotic solution for the culture of mammalian cells

Product Specifications:-

Appearance	Clear frozen liquid
Thawing	Overnight at +2°C to +8°C. Swirl gently to homogenize.
Working concentration	Recommended final concentration: 10 ml/L
Penicillin G Sodium	10 ⁷ Units/L
Streptomycin Sulfate	10000 mg/L
NaCl	9000 mg/L

This product is for research use only.