

Penicillin/Streptomycin (100x)

General information

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

Product specifications

Appearance	Clear frozen liquid
Storage and shelf life	Store at ≤ -15 °C. Avoid repeated freeze-thaw cycles. Preparation of aliquots recommended. Once opened, store at +4 °C and use within 4-6 weeks.
Shipping conditions	Frozen (Dry ice)
Thawing	Overnight at +2 °C to +8 °C. Swirl gently to homogenize.
Working concentration	Recommended final concentration: 10 ml/l

Formulation

Components	Concentration
Penicillin G Sodium	107 Units/l
Streptomycin Sulfat	10000 mg/l
NaCl	9000 mg/l

Precautions and disclaimer

This product is for research use only.

Ordering information

Catalogue number	Pack size
LTA _n B-L04	100 ml

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