



Product Information

Penicillin/Streptomycin (100x)

Catalog no: GBPS01/01F

General Information

Penicillin and streptomycin, two medicines that work well together to kill both gram-positive and gram-negative bacteria, are employed in cell culture to prevent bacterial contamination. Penicillin works by obstructing bacterial cell wall synthesis. When streptomycin binds to the bacterial ribosome's 30S subunit, it inhibits protein synthesis and kills sensitive bacteria. A ready-to-use 100x concentration of penicillin/streptomycin is offered.

Specification

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

Formulation

Component	Concentration
Penicillin G Sodium	10 ⁷ Units/L
Streptomycin Sulfate	10000 mg/L
NaCl	9000 mg/L

Need Help?

If you have any further queries, please feel free to email our cell culture specialists at info@genexisbiotech.com

Disclaimer:

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