



Product Information

Penicillin/Streptomycin (100x), with L-Glutamine

Catalog no: GBPS02/02F

General Information

Penicillin/Streptomycin with L-Glutamine is a convenient one-step supplement that saves time for researchers and reduces contamination issues brought on by many invasive supplementation regimens. In order to prevent bacterial contamination in cell culture, the drugs penicillin and streptomycin are used together due to their effective combination action against both gram-positive and gram-negative bacteria. Penicillin prevents the bacterial cell wall from properly dividing, which is how it functions. Streptomycin kills susceptible bacteria by binding to the 30S component of the bacterial ribosome, which halts protein synthesis. L-glutamine is an essential amino acid and a crucial component of culture media that gives cultured cells a sizable quantity of energy. A 100x concentration of penicillin/streptomycin with L-glutamine is available and is ready for use.

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
L-Glutamine	200 mM
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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