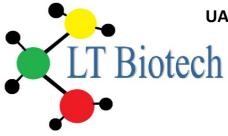
UAB "LT Biotech"



Į.K. 302303586, PVM kodas LT 100004741118, Rugių 21-24, LT-08419, Vilnius Reg. Nr. 127918, V.Į. Registrų centras Vilniaus filialas Tel/fax +370 5 216 02 27

Penicillin/Streptomycin (100x), with L-Glutamine LTAnB-L05

General Information

With a convenient one-step supplementation Penicillin/Streptomycin with L-Glutamine helps researchers to save time while reducing risks for contamination caused by multiple invasive supplementation schedules. The antibiotics penicillin and streptomycin are used in cell culture to prevent bacterial contamination due to their effective combined action against grampositive 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. L-glutamine is an essential amino acid that is a crucial component of culture media that serves as a major energy source for cells in culture. Penicil- lin/Streptomycin with L-Glutamine is provided as a ready to use 100 x concentrate.

Applications

- Convenient one-step supplementation
- Reduces contamination risks

Appearance	Clearfrozenliquid	
Storage and shelf life	Storeat≤-15°C. Avoidrepeatedfreeze-thawcycles.Preparationofaliquots recommended. Onceopened,storeat+4°Candusewithin4-6weeks.	
Shipping conditions	Frozen(Dryice)	
Thawing	Overnightat+2°Cto+8°C.Swirlgentlytohomogenize.	
Working concentration	Recommendedfinalconcentration:10ml/l	

Formulation

Components	Concentration
L-Glutamine	200mM
PenicillinG Sodium	10 ⁷ Units/l
Streptomycin Sulfat	10000mg/l
NaCl	9000 mg/l

Precautions and Disclaimer

This product is for research use only.