

Product Information

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

Cat. No.: P0100-800 Volume: 100 ml

Product Description

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 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.

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.

Penicillin/Streptomycin with L-Glutamine is provided as a ready to use 100x concentrate.

Applications

- Convenient one-step supplementation
- Reduces contamination risks

Product Specifications

pH	6.0 – 7.0
Osmolality	300 – 600 mOsm/kg
Endotoxin	≤10 EU/ml
Sterility	Tested
Storage	Store at ≤-15°C. Avoid repeated freeze/thaw cycles.
Working concentration	Recommended final concentration: 10 ml/l

Formulation

Component	Concentration
L-Glutamine	200 mM
Penicillin	10000 Units/ml
Streptomycin	10.00 mg/ml
Sodium chloride	9.00 mg/ml

Precautions and Disclaimer

This product is for research use only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.