

## Product Information

Penicillin/Streptomycin (100x)

Cat. No.: P0100-790      Volume: 100 ml

### Product Description

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.

Penicillin/Streptomycin is provided as a ready to use 100x concentrate.

### Applications

- Broad range antibiotic effective against gram-positive and gram-negative bacteria
- Recommended as prophylaxis

### Product Specifications

pH	6.0 – 7.0
Osmolality	280 – 400 mOsm/kg
Endotoxin	≤10 EU/ml
Sterility	Tested
Storage	Store at ≤-15°C.
Working concentration	Recommended final concentration: 10 ml/l

### Formulation

Component	Concentration
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.