

Penicillin-Streptomycin-Glutamine (100×), Sterile

1 Packing list

Components	HY-K1010-10 mL	HY-K1010-100 mL
Penicillin-Streptomycin-Glutamine (100×), Sterile	10 mL	100 mL

2 Introduction

MCE Penicillin-Streptomycin-Glutamine (100×), Sterile is a filtered and sterilised antibiotic solution for direct use in cell culture. It has an effective combined antibacterial effect on Gram-positive and Gram-negative bacteria, and can be used to prevent bacterial contamination of cell cultures.

MCE Penicillin-Streptomycin-Glutamine (100×) is a liquid formulation which contains 10,000 units/mL of penicillin, 10 mg/mL of streptomycin, and 29.2 mg/mL of Glutamine in 0.85% NaCl solution. Common working concentration for penicillin is 100 units/mL, for streptomycin is 100 µg/mL, and for Glutamine is 292 µg/mL.

3 General Protocol

The Penicillin-Streptomycin-Glutamine (100×), sterile can be used according to one of the following methods:

1. Add Penicillin-Streptomycin-Glutamine (100×), sterile in proportion (1:100 (v/v)) to the sterile cell solution, mix well before use.
2. Add Penicillin-Streptomycin-Glutamine (100×), sterile in proportion (1:100 (v/v)) to the cell culture solution, filter and sterilize.

4 Storage

-20°C, 1 year

5 Precautions

1. Avoid repetitive freeze-thaw cycles.
2. Always use sterile reagents, tubes and tips to avoid contamination.
3. This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.
4. For your safety and health, please wear a lab coat and disposable gloves to operate.