

Antibiotic-Antifungal (100 ×), Sterile

1 Contents

Components	HY-K1058
Antibiotic-Antifungal (100×), Sterile	100 mL

2 Introduction

Antibiotic-antimycotic is used to prevent bacterial and fungal contamination. The antibiotics penicillin and streptomycin prevent bacterial contamination of cell cultures due to their effective combined action against gram-positive and gram-negative bacteria. Amphotericin B prevents fungal contamination of cell cultures due to its inhibition of multi-cellular fungus and yeast.

Antibiotic-antimycotic (100×) contains 10 KU/mL of penicillin, 10 mg/mL of streptomycin, and 25 µg/mL of Amphotericin B. This product is formulated with 0.85% NaCl. The recommended working concentration in the cell culture medium is 100 U/mL of penicillin, 0.1 mg/mL of streptomycin, and 0.25 µg/mL of Amphotericin B.

3 General Protocol

The Antibiotic-Antifungal solution can be used according to the following methods:

1. Add Antibiotic-Antifungal solution in proportion to the sterile cell culture solution, mix well before use.
2. Add Antibiotic-Antifungal solution in proportion to the cell culture solution, filter and sterilize.

4 Storage

-20°C 2 years

5 Precautions

1. Minimize repeated freeze-thaw cycles.
2. Pay attention to aseptic operation to avoid contamination.
3. The working concentration of this product is set for the serum-containing basal medium. When used in a serum-free medium, the dosage should be appropriately reduced to avoid cytotoxicity.
4. This product is for R&D use only, not for drug, household, or other uses.
5. For your safety and health, please wear a lab coat and disposable gloves to operate.