

Kanamycin sulfate (100x), Sterile

1 Contents

Components	HY-K1055
Kanamycin sulfate, Sterile (100x, 10 mg/mL)	100 mL

2 Introduction

Kanamycin sulfate is an aminoglycoside antibiotic purified from *Streptomyces kanamyceticus*. It acts by binding to the 30S subunit of the bacterial ribosome and inhibiting protein synthesis in susceptible bacteria. Kanamycin is effective against a wide variety of gram-negative and some gram-positive bacteria, and is used for the prevention of bacterial contamination of cell cultures.

This product is formulated with 0.85% NaCl. The recommended working concentration is 100 µg/mL.

3 General Protocol

The Kanamycin sulfate solution can be used according to the following methods:

1. Add Kanamycin sulfate solution in proportion to the sterile cell culture solution, mix well before use.
2. Add Kanamycin sulfate 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.