

Gentamicin, Sterile

1 Contents

Components	HY-K1050-10 mL	HY-K1050-50 mL
Gentamicin, Sterile (10 mg/mL)	10 mL	50 mL

2 Introduction

Gentamicin solution has been used as an antibiotic component in eukaryotic cell culture and bacterial culture. Gentamicin acts by binding to the 30S subunit of the bacterial ribosome leading to inhibition of protein synthesis and death in susceptible bacteria, mainly for gram-negative and gram-positive bacteria. This antibiotic is stable at room temperature.

The recommended working concentration of Gentamicin ranges from 0.5 to 50 µg/mL.

3 General Protocol

The Gentamicin solution can be used according to the following methods:

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

4 Storage

Store at 4°C for 2 years

5 Precautions

1. Pay attention to aseptic operation to avoid contamination.
2. 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.
3. This product is for R&D use only, not for drug, household, or other uses.
4. For your safety and health, please wear a lab coat and disposable gloves to operate.