

Catalog Number:	Size:
B20192	20 mL

PRODUCT DESCRIPTION

Gentamicin is supplied as an anti-bacterial agent produced by *Micromonospora*. It binds to the 30S subunit of the bacterial 70S ribosome and blocks the initiation complex of protein synthesis. The antimicrobial spectrum for this antibiotic includes gram-positive and gram-negative bacteria, and mycoplasma. Gentamicin is available as a 10 mg/mL solution of gentamicin sulfate in deionized water.

The recommended use concentration for Gentamicin in culture media is 5 mL/L for the 10 mg/mL solution. Individual cell lines may react differently to the toxic effects of this product; therefore, the optimal use dosage must be determined empirically for each cell line used. Gentamicin should be tested on the target cell line at multiple concentrations in order to evaluate cell line tolerance to the product. Cells should be observed daily for signs of toxicity such as rounding, loss of confluency, or vacuole formation.

STORAGE AND HANDLING

Gentamicin is supplied in gamma irradiated, sterile PETG or PETE bottles. We recommend that the Gentamicin be stored refrigerated at a temperature of 2-8 °C, protected from strong light exposure. Always use aseptic techniques when handling Gentamicin.

PRECAUTION

This antibiotic solution is hazardous. Review the Safety Data Sheet for additional information before handling this product.

When handling bio-hazardous materials such as human cells, safe laboratory procedures should be followed, and personal protective equipment should be worn.

LIMITATIONS

- FOR LABORATORY RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
- The safety and efficacy of this product in diagnostic or other clinical uses has not been established.
- Results may vary due to variations among tissue/cells derived from different donors or sources.