

# Data sheet

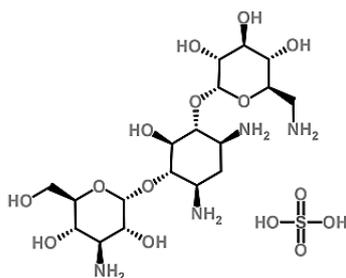
## Kanamycin Sulphate

Cat. No: AB005

Cat. No: AB006

### Introduction

Kanamycin Sulfate is a water-soluble antibiotic, originally purified from *Streptomyces kanamyceticus*, with broad antibacterial spectrum, including mycobacteria, many gram-positive and most gram-negative bacteria. Kanamycin inhibits bacterial protein synthesis by binding 70S ribosomes resulting in dysfunctional translation of mRNA. It is commonly used as a selective agent to select for resistant mammalian, fungal, or bacterial cells that contain the kanamycin resistance genes and is also used for the prevention of bacterial contamination of cell cultures.



### Technical specification

- ✓ CAS No: 25389-94-0
- ✓ Molecular Formula:  $C_{18}H_{36}N_4O_{11} \cdot H_2O_4S$
- ✓ Molecular Weight: 582.58
- ✓ Solubility: Soluble in water (50 mg/mL)
- ✓ Formulation: A crystalline solid

### PRODUCT USE LIMITATION

This product is developed, designed and sold exclusively for research purposes and in vitro use only. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals. Please refer to [www.canvaxbiotech.com](http://www.canvaxbiotech.com) for Material Safety Data Sheet of the product.

### Product Size

	AB005	AB006
Kanamycin Sulphate	5g	25g

### Storage conditions

Store at **-20° C**

### Application

- ✓ Used to select for kanMX transformed cells or other kanamycin resistance genes.
- ✓ Used for the prevention of bacterial contamination of cell cultures.

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## Notes

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