



Product Specifications

KANAMYCIN SULFATE

Catalog #	Size
IB02120	25gm

Physical Specifications

CAS#	25389-94-0
Formula Weight	582.58
Molecular Formula	$C_{18}H_{36}N_4O_{11} H_2SO_4$
Potency	>750mcg/mg
pH (1%, water)	6.5 – 8.5
Moisture	Max. 4.0%

Molecular Biology Specifications

Antibiotic Inhibition/Sensitivity Assay	Pass
Chromatographic Purity	Pass
Crystallinity	Pass

Kanamycin Sulfate is derived via microbial fermentation. No animal products or by-products are used in the manufacturing process or the fermentation media.

Recommended Use

Kanamycin sulfate is used in the following working conditions.

	<u>Stock Solution</u>	<u>Working Concentration</u>	
Kanamycin Sulfate	10mg/mL in H ₂ O	Stringent Plasmids 10µg/mL	Relaxed Plasmids 50µg/mL

NOTE: Stock solutions of antibiotics dissolved in H₂O should be sterilized by filtration through a 0.22 –micron filter.

Storage

Store at +4°C. Warm to room temperature before opening. Keep tightly sealed. Store Kanamycin solution in a light tight container at –20°C.

Warning

Federal law prohibits dispensing without prescription. Not for use in humans. Not for drug use. Sensitizer/Irritant/Suspected Teratogen. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. See Material Safety Data Sheet for additional information.