

Kanamycin Sulfate

PRODUCT SUMMARY

Cat. No: M150025

Quantity: 25 g

Description: Kanamycin Sulfate is an aminoglycosidic antibiotic that inhibits growth of gram-positive and gram-negative bacteria, as well as mycoplasmas in cell culture. It is used most commonly for selection of transformed bacteria. Many common vectors carry genes encoding resistance to kanamycin sulfate, and are identified by the ability of the host bacteria to grow in the presence of this antibiotic.

Please note: This product is intended FOR RESEARCH USE ONLY.

Shipping and Storage: Kanamycin Sulfate is shipped at room temperature. For maximum stability and long-term use, store at room temperature upon receipt. Protect from moisture.

Molecular Formula: $C_{18}H_{36}N_4O_{11} \cdot H_2SO_4$

Molecular Weight: 582.58

Appearance: Fine white to off-white powder

METHODS AND PROCEDURES

Antibiotic solutions are usually added to freshly autoclaved media (after they have cooled to about 50°C). These antibiotic solutions can also be plated directly on the surface of an agar plate and spread evenly. Liquid media or agar plates containing antibiotics should be stored at 4°C for no longer than 30 days to maintain the drug's effectiveness. All antibiotic solutions should be prepared in sterile distilled water and then stored at -20°C.

Suggested Stock Concentration: 15 mg/mL

Suggested Working Concentration: 30 µg/mL

RELATED PRODUCTS

Product	Cat. No.
<i>For 3-minute E. coli transformation</i>	
TurboCells™ Competent <i>E. coli</i> 20 x 50 µl	C300020
TurboCells™ F' Competent <i>E. coli</i> 20 x 50 µl	C301020
<i>High Quality Antibiotics</i>	
Ampicillin, Sodium Salt 25 g	M100025
Carbenicillin, Disodium Salt 1 g	M111000
Chloramphenicol 100 g	M120100
G418 Sulfate 100 mg	M130100
	M131000
Hygromycin B 100 mg	M140100
Kanamycin Sulfate 10 g	M150010
Tetracycline Hydrochloride 25 g	M160025
	M160100

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