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DATA SHEET

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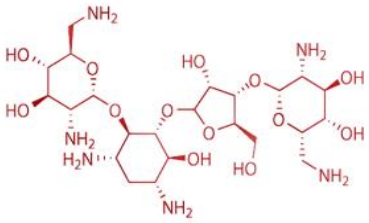
1. Identification

Product name **Neomycin Sulfate (Solution)**
10 ml

Cat. No **AB021**

2. Description

Neomycin sulfate (NS) is an aminoglycoside antibiotic that is active against Gram-negative and many Gram-positive bacteria as well as some protozoa. NS inhibits translation by binding to the small subunit of prokaryotic ribosomes and is a calcium channel protein inhibitor.



3. Specifications

- Formula: $C_{23}H_{46}N_6O_{13}.xH_2SO_4$
- CAS: 1405-10-3
- Molecular weight: 614.7 (Base)
- Appearance: White to off-white solid.
- Potency: min. 680
- pH (1% in H2O): 5.0 – 7.5
- Sulfate (%): 27.0 – 31.0
- Sulfated ash: <1.0
- Solubility: Soluble in water

4. Storage specifications

Store at 4˚ C

5. Applications

✓ Cell culture
✓ Plasmid selection
✓ Gene regulation

6. Further information

Product Use Limitation This product is developed, designed and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

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