

Data sheet

Neomycin sulfate

Cat. No: AB018

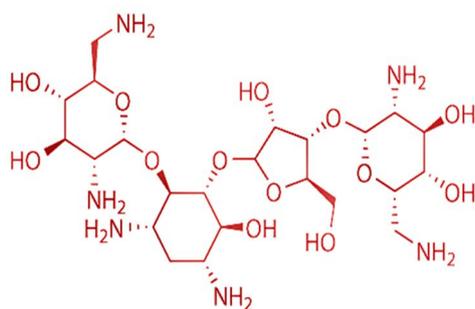
Cat. No: AB019

Cat. No: AB021

Cat. No: AB022

Introduction

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.



Technical specification

- ✓ Formula: $C_{23}H_{46}N_6O_{13} \cdot xH_2SO_4$
- ✓ 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

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 for Material Safety Data Sheet of the product.

Product Size

	AB018	AB019
Neomycin sulfate(powder)	1g	5g
	AB021	AB022
Neomycin sulfate(solution)	10 ml	50 ml

Storage conditions

Store at **-20° C**

Application

- ✓ Cell culture
- ✓ Plasmid selection
- ✓ Gene regulation

Distributed by:

Lab Unlimited
CARL STUART GROUP

Tallaght Business Park
Whitestown, Dublin 24,
Ireland
D24 RFK3

Tel: (01) 4523432
Fax: (01) 4523967
E-mail: info@labunlimited.com
Web: www.labunlimited.com

Quatro House, Frimley Road,
Camberley,
United Kingdom
GU16 7ER

Tel: 08452 30 40 30
Fax: 08452 30 50 30
E-mail: info@labunlimited.co.uk
Web: www.labunlimited.co.uk

 **canvax**

Notes

Distributed by:

Lab Unlimited
CARL STUART GROUP

Tallaght Business Park
Whitestown, Dublin 24,
Ireland
D24 RFK3

Tel: (01) 4523432
Fax: (01) 4523967
E-mail: info@labunlimited.com
Web: www.labunlimited.com

Quatro House, Frimley Road,
Camberley,
United Kingdom
GU16 7ER

Tel: 08452 30 40 30
Fax: 08452 30 50 30
E-mail: info@labunlimited.co.uk
Web: www.labunlimited.co.uk