

Neomycin Solution

Shipping: On Dry/Blue Ice

Catalog numbers

Exp. Date: See vial

BIO-87029 : 1 x 10ml

Batch No.: See vial



A Meridian Life Science® Company

Store at -20°C

Storage and stability:

Neomycin Solution is shipped on Dry/Blue Ice and can be stored at -20°C for 12 months.

Concentration:

50mg/ml in water

CAS Number: 1405-10-3

Safety precautions:

This product is for R&D use only, not for human use, or any other use. Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation and skin contact. Please refer to the material safety data sheet for information regarding hazards and safe handling practice.



Xn: HARMFUL

Notes

This certificate is a declaration of analysis at the time of manufacture Research Use Only.

Description

Neomycin causes cell death by blocking protein synthesis. High concentrations of neomycin can cause toxicity in eukaryotic cells by interacting with mitochondrial ribosomes and, with reduced affinity, other eukaryotic ribosomes. Neomycin resistance is mediated by aminoglycoside phosphotransferase (*aptII* gene), which inactivates neomycin by phosphorylation.

Features

- Cost effective ready-to-use solutions
- Time saving
- Stable at -20°C
- Avoids handling of toxic or harmful substances
- No sterile filtration required

Applications

- Cell culture
- Plasmid selection
- Gene regulation

Product Citations :

1. Lança, A.S. *et al. Exp. Parasitol.* **127(1)**, 18-24 (2011).
2. Dassanayake, R.P., *et al. Vet. Microbiol.* **133(4)**, 366-371 (2009).
3. Silva, M.S., *et al. Parasitol. Res.* **105(5)**, 1223-1229 (2009).

Associated Products

Product Name	Pack Size	Catalog No.
α-Select Gold Efficiency	1ml (20 x 50µl)	BIO-85027
α-Select Electrocompetent	1ml (10 x 100µl)	BIO-85028
CH ₃ - Blue Competent Cells	1ml (10 x 100µl)	BIO-85039
SOC Medium	10 x 10ml	BIO-86033

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