

CERTIFICATE OF CONTENT

G-418 Solution **C20H40N4O10.2H2SO4 = 692.7**
Batch Number: **21/MFM/2810**
Expiry date: **October 2023**

G-418 is a member of the large family of Aminoglycoside antibiotics and has a molecular structure almost like Gentamycin. The antibiotic is an irreversible inhibitor of protein synthesis. Due to its structure is capable of binding to both prokaryotic and eukaryotic ribosomes and inhibiting protein synthesis and generating errors in the transcription of the genetic code.

1 Bottle contains 20 ml G-418 Solution 50 mg/ml.

Specifications G-418 sulphate

Solubility	Freely soluble in water
Specific Optical Rotation	+104 ~ +121
Water	<6%
Absorbance 570 nm	<0.10
Absorbance 280 nm	<0.015
NH4+	< 1.0%
pH	5.5
Thin Layer Chromatogram	One Spot
Potency	>780 µ/mg
Water Purity Used	
Resistivity at 25°C.	18.2 M
Bacterial endotoxin	<0.001 EU/ml
TOC	1-3 ppb
Bacteria	< 0.1 CFU/ml
Bacterial endotoxin	< 0.001/ml
RNase and DNase	Removed

- This material is supplied for laboratory use only

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 15th October 2021