

☆ Storage

Store at -20 °C.

☆ Contents

- Product manual
- G-418, Sulfate

ALL PRODUCTS SOLD BY GenDEPOT ARE INTENDED FOR RESEARCH USE ONLY UNLESS OTHERWISE INDICATED. THIS PRODUCT IS NOT INTENDED FOR DIAGNOSTIC OR DRUG PURPOSE

☆ Description

G-418 inhibits protein elongation by blocking polypeptide synthesis. Eukaryotic cells that are stably transfected with neomycin resistance genes can be selected and maintained using this product. Similar in structure to Gentamicin, Neomycin and Kanamycin.

☆ Physical appearance

Powder

☆ M.W.

692.71 g/mol

☆ Molecular Formula

$C_{20}H_{40}N_4O_{10} \cdot 2H_2SO_4$

☆ Preparation for Stock Solution (100mg/ml)

1. In a laminar flow hood, dissolve 5g of G-418 in 10ml water.
2. Transfer 50ml conical tube.
3. Pipette 10ml of molecular biology grade water into conical tube of G-418 to dissolve any remaining residue, rinsing the sides of the container.
4. Adjust volume of solution to 50ml.
5. Filter by vacuum filtration.
6. Store at 4 °C.

☆ Related Product

Product Name	Cat No
Gentamicin, 50mg/ml	CA003
G-418. Sulfate Solid	CR007
G-418. Sulfate, 100mg/ml, Sterile filtered Solution	CR008
Puromycin Solution, 10mg/ml, cell culture tested, 10mM	CR026
iMFectin DNA Transfection Reagent	I7100
iMFectin Poly DNA Transfection Reagent	I7200
iMFectin 2000	I7500
LucyQ Gaussia Luciferase Assay Kit	L0011
Zeocin. 100mg/ml	Z4500
DMEM, High Glucose, without Sod Bicarbonate	CM001
DMEM, High Glucose, with Sod Bicarbonate	CM002
MEM with Earle's salt	CM041
RPME-1640 with HEPES	CM058
RPME-1640	CM059
Trypsin-EDTA(1X)	CA014
Trypsin-EDTA(10X)	CA015
Scraptase, Non-Animal Origin Dissociation Solution(1X)	CA110
Dispase Solution, 1mg/ml	CA092
Collagenase/Hyaluronidase(10X) in DMEM	CA094

Antibiotics-Antimycotics(100X)

CA094

Penicillin-Streptomycin(100X)

CA002

Dulbecco's Phosphate-Buffered Saline(DPBS)(1X)

CA005

Cellmaxin, 10mg/ml

CA008

Cellmaxin Plus, 10.5mg/ml

C3314

Ceracryo, Xeno-Free Cell Freezing Mediu

C3319

Water, 0.1um Filtered, Cell Culture Tested

C0667

W0900