

Product Specifications



SCIENTIFIC

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G418 DISULFATE SOLUTION

Product Number

IB02060

Size

20ml

CAS NO.

CAS#

108321-42-2

PHYSICAL SPECIFICATIONS

Molecular Formula	$C_{20}H_{40}N_4O_{10} \cdot 2H_2SO_4$
Molecular Weight	692.71g/mol
pH (@25°C)	4.6 - 6.0
Appearance	Clear, colorless solution
Concentration	50mg/ml
Specific Rotation	104° - 121°

STORAGE

Store at +4°C. Keep tightly sealed.

RECOMMENDED USE

IBI's G418 DiSulfate Solution is routinely used as a selection antibiotic in cell culture gene selection applications. G418 is an aminoglycoside antibiotic isolated from *Micromonospora rhodorangea* and is closely related to the gentamicins; most notably, Gentamicin B1. G418 is a generic name of Geneticin®. IBI G418 disulfate is prepared as a solution at a concentration of 50mg/ml in water for quick and easy dilution factor calculations. G418 is NOT for human or animal use!

WARNING

Classification: Respiratory Sensitization - 1
Skin Sensitization - 1

Hazard Statements: H317-May cause an allergic skin reaction • H334-May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary Statements: P261-Avoid breathing dust/fume/gas/mist/vapors/spray • P280-Wear protective gloves/protective clothing/eye protection/face protection • P342+P311-If experiencing respiratory symptoms, call a Poison Center or doctor/physician.



DANGER!

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

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02/07/2019