

Product Specifications



SCIENTIFIC

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STREPTOMYCIN Sulfate

Product Number

IB02180

Size

25gm

CAS NO.

CAS#

3810-74-0

PHYSICAL SPECIFICATIONS

Molecular Formula	$(C_{21}H_{39}N_7O_{12})_2 \cdot 3H_2SO_4$
Molecular Weight	1457.38
pH (20%, water)	4.5 - 7.0
Potency	> 650mcg/mg
Moisture	≤ 4.0%
Antibiotic Inhibition/Sensitivity Assay	Pass
Chromatographic Purity	Pass
Crystallinity	Pass

STORAGE

Store at +4°C. Warm to room temperature before opening. Keep tightly sealed. Store Streptomycin Solution in a light tight container at -20°C.

RECOMMENDED USE

IBI Streptomycin used in the following working conditions:

		<u>Working Concentration</u>	
		Stringent	Relaxed
		Plasmids	Plasmids
Streptomycin	<u>Stock Solution</u> 10mg/ml in H ₂ O	10µg/ml	50µg/ml

Note: Stock solution of antibiotics dissolved in H₂O should be sterilized by filtration through a 0.22 micron filter.

WARNING

Classification: Acute Toxicity - Oral - 4
Skin Corrosion/Irritation - 1
Reproductive Toxicity - 2
Specific Target Organ Toxicity (Single Exposure) - 3

Hazard Statements: H302-Harmful if swallowed • H317-May cause an allergic skin reaction • H361-Suspected of damaging fertility or the unborn child

Precautionary Statements: P201-Obtain special instructions before use • P202-Do not handle until all safety precautions have been read and understood • P260-Do not breathe dust/fume/gas/mist/vapors/spray • P261-Avoid breathing dust/fume/gas/mist/vapors/spray • P264-Wash face, hands, and any exposed skin thoroughly after handling • P270-Do not eat, drink, or smoke when using this product • P271-Use only outdoors or in a well-ventilated area • P280-Wear protective gloves/protective clothing/eye protection/face protection • P281-Use personal protective equipment as required • P301+P312-IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell • P301+P330+P331-IF SWALLOWED: Rinse mouth. Do NOT induce vomiting • P303+P361+P353-IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower • P304+P340-IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing • P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue to rinsing • P308+P313-If exposed or concerned: Get medical advice/attention • P310-Immediately call a POISON CENTER or doctor/physician • P312-Call a POISON CENTER or doctor if you feel unwell • P321-Specific treatment (see supplemental first aid instructions on this label) • P330-Rinse mouth • P363-Wash contaminated clothing before reuse • P403+P233-Store in a well-ventilated place Keep container tightly closed • P405-Store locked up • P501-Dispose of contents/container to an approved waste disposal plant.



DANGER!

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

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02/07/2019