



# Product Specifications

## STREPTOMYCIN SULFATE

<b><u>Catalog #</u></b>	<b><u>Size</u></b>
IB02180	25gm

### **Physical Specifications**

CAS#	3810-74-0
Formula Weight	1457.38
Molecular Formula	$(C_{21}H_{39}N_7O_{12})_2 \cdot 3H_2SO_4$
Potency	>650mcg/mg
pH (20%, water)	4.5 – 7.0
Moisture	≤4.0%

### **Molecular Biology Specifications**

Antibiotic Inhibition/Sensitivity Assay	Pass
Chromatographic Purity	Pass
Crystallinity	Pass

### **Recommended Use**

Streptomycin sulfate is used in the following working conditions.

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

**NOTE:** Stock solutions of antibiotics dissolved in H<sub>2</sub>O should be sterilized by filtration through a 0.22 –micron filter.

### **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.

### **Warning**

Federal law prohibits dispensing without prescription. Not for use in humans. Not for drug use. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. See Material Safety Data Sheet for additional information.