

Datasheet

**Streptomycin Sulfate**

Antibiotic Drug

Product	Description	Catalogue-No.	Size
Streptomycin sulfate	Antibiotic drug, powder	P06-11025P	25 g
		P06-11050P	50 g
		P06-11100P	100 g

**Product description**

Streptomycin was isolated from *Streptomyces griseus*. It acts bacteriostatic at low concentrations and bactericidal at higher concentrations against mycobacteria and gram negative bacteria. It is less active against gram positive bacteria. Like other antibiotics, streptomycin does not act on non-proliferating microorganism. Streptomycin leads to reading errors during translation due to the interaction with the 30S subunit of the ribosome.

**Storage conditions**

Storage conditions: RT  
 Stability: 5 years from date of production  
 Filling: 25 mg, 50 mg, other sizes on request

**Composition**

Name: Streptomycin sulfate  
 Formula:  $C_{21}H_{39}N_7O_{12})_2 \times 3H_2SO_4$   
 CAS No.: 3810-74-0  
 Molecular weight: 1457.38 g/mol

**Special Advantages**

Streptomycin sulfate is used to study mechanisms of streptomycin resistance. Furthermore streptomycin sulfate, often together with penicillin, is used to prevent bacterial contamination in cell culture applications.

**Instructions for use**

The working concentration of Streptomycin sulfate is normally in the range of 10 - 100 µg/ml. Stock solutions are set up in a range of 10 - 50 mg/ml in water and stored at -20°C.

**Technical support**

For technical support, questions or remarks please contact your local PAN-Biotech partner or the technical department of PAN-Biotech via email ([info@pan-biotech.com](mailto:info@pan-biotech.com)) or phone +49-8543-601630.

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