



Antibiotic / Antimycotic Solution (ABAMS)

Catalog Number: 0533

Product Description

Antimycotic / Antimycotic Solution is a 50mL 100x solution designed to aid researchers in reducing risks of contamination. It consists of 10,000 units/mL of Penicillin, 10,000 µg/mL of Streptomycin and 25µg/ml amphotericin B in saline solution. The penicillin serves as interference in the final stages of synthesis of the bacterial cell wall, while streptomycin binds to the 30S subunit causing a misread. The amphotericin serves to make the fungal cell wall more permeable, making it susceptible to the leakage of its inner contents. 1mL of the Antibiotic / Antimycotic Solution is to be used for every 99mL of medium. The solution is sterile filtered through a 0.2µm membrane filter.

Formulation

Penicillin G Sodium Salt	1 x 10 ⁷ units / L
Streptomycin	10 g/L
Amphotericin B	0.025 g/L
NaCl	8.5 g/L

Specifications

Cell Culture Test	Pass
Endotoxin (EU/ml)	<0.5
Sterility	Pass
Storage	-20°C

Product Use Statement

THESE PRODUCTS ARE FOR RESEARCH USE ONLY. Not approved for human or veterinary use, for application to humans or animals, or for use in clinical or in vitro procedures.

Caution: If handled improperly, some components of this product may present a health hazard. Take appropriate precautions when handling this product, including the wearing of protective clothing and eyewear. Dispose of properly.