

### ★ Storage

Store at -20°C.

#### ✈ Contents

- Product Manual
- Antibiotic-Antimycotic(100X), Liquid

ALL PRODUCTS SOLD BY GenDEPOT ARE INTENDED FOR RESEARCH USE ONLY UNLESS OTHERWISE INDICATED. THIS PRODUCT IS NOT INTENDED FOR DIAGNOSTIC OR DRUG PURPOSE

### ★ Shipping Condition

Ship with dry ice.

### ★ Introduction

Antibiotic-Antimycotic is used to prevent bacterial and fungal contamination. The combination of the antibiotics penicillin and streptomycin are used to prevent bacterial contamination of cell cultures due to their effective action against gram-positive and gram-negative bacteria, respectively. Amphotericin B is used to prevent fungal contamination of cell cultures due to its inhibition of multi-cellular fungus and yeast.

Penicillin was originally purified from the fungus *Penicillium* and acts by interfering directly with the turnover of the bacteria cell wall and indirectly by triggering the release of enzymes that further alter the cell wall. Streptomycin was originally purified from *Streptomyces griseus*. Streptomycin acts by binding to the 30S subunit of the bacterial ribosome leading to inhibition of protein synthesis and death in susceptible bacteria. Amphotericin B is an antifungal agent that prevents the growth of fungi and yeast by causing an increase in fungal plasma membrane permeability.

### ★ Formulation

Contains 10,000 units of penicillin (base), 10,000 ug of streptomycin (base), and 25 ug of amphotericin B/ml.

### ★ Related Products

Product Name	Cat No
Albumin	A0100
Ceracryo Cell Freezing Media, Xeno Free	C0667
Cellmaxin, 10mg/ml	C3314
Cellmaxin Plus, 10.5mg/ml	C3319
Dulbecco's Phosphate-Buffered Saline(dPBS)	CA008
Scraptase, Non-animal Original Dissociation Reagent (1X)	CA110
Ceracol Collagen Type I Solution, 1mg/ml	CA081
Fibronectin, Bovine, Stabilized Solution, 1mg/ml	CA082
Fibronectin, Human, Stabilized Solution, 1mg/ml	CA083
Insulin-Transferrin-Selenium Solution I (1,000X), Animal Free	CA200
Fetal Bovine Serum, Premium, US Origin	F0600
FBS, Mouse Embryonic Stem Cell and iPSC Optimized	F0650
FBS Opti-Gold	F0900
FBS OptiGold, Premium, Heat Inactivated	F0910
LIF, Mouse Recombinant, 10 MIU/ml	L4501
WATER, 0.1um Final Filtered, cell culture tested	W0900