Antibiotic-Antimycotic Solution (100X)

Cat. No. CAA001

With Penicillin G
With Streptomycin
With Amphotericin B
In 0.85% NaCl Solution

1. Product Description

Antibiotic-Antimycotic Solution inhibits gram-positive bacteria with penicillin, gram-negative bacteria with streptomycin, and fungi and yeast with amphotericin B, protecting cell culture experiments from various contaminants. This product is a 100X concentrated solution and can be diluted 1/100 into the culture medium (e.g., 10 ml per 1 L of medium) to reach the working concentration, which can be adjusted as needed.

2. Composition

Concentration: As specified below

Components	Concentration	unit	Target
Penicillin G	10,000	unit/ml	Gram Positive Bacteria
Streptomycin	10,000	μg/ml	Gram Positive Bacteria & Gram Negative Bacteria
Amphotericin B	25	μg/ml	Fungi and Yeasts
NaCl	0.85	%	

3. Product Quality Specifications

Appearance	pH	Osmolality	Sterility
Pale yellow clear liquid	pH 5.2 – 7.0	305 – 350 mOsm/kg H_2O	Sterile

4. Storage Conditions and Precautions

Protect from direct light and store frozen (-10°C or lower). The expiry date is stated on the product label; do not use after expiration. Do not use if signs of deterioration appear, including precipitate, floating particles, or color change. Repeated freezing and thawing may cause degradation, and additional substances added to the product may also affect stability.

5. Usage Instructions and Precautions

This product is a sterile solution. Open the cap only in a sterile environment (e.g., a clean bench) using aseptic technique. Slight turbidity may occur during thawing, but shaking thoroughly will restore clarity without affecting quality. It is recommended to use the entire contents after opening; otherwise, aliquot into a suitable sterile container for storage.