

ANTIBIOTIC-ANTIMYCOTIC SOLUTION, 100 X

10 000 UNITS/ML PENICILLIN G, 25 µG/ML AMPHOTERICIN B AND 10 000 µG/ML STREPTOMYCIN, STERILE

Catalogue no.: 450-115-**

MSDS: Available upon request

Lot no.: 450115206

Shipping: Frozen on dry ice

Expiration date: 05/2026

Storage: Store frozen at -20°C

TEST	SPECIFICATION	UNITS	RESULTS
Appearance	Light Yellow Liquid	NA	Light Yellow Liquid
pH	4.50 – 7.00	NA	5.86
Osmolality	INFO	mOsm	328
Endotoxin:			
1 :100 dilution	≤ 0.5	EU/ml	Conform
Antimicrobial Activity	Inhibition of <i>S.aureus</i> , <i>E.coli</i> & <i>C.albicans</i>	NA	Pass
1:100 dilution			
Sterility by USP	Pass	NA	Pass

ADDITIONAL INFORMATION:

MODE OF ACTION: Penicillin inhibits bacterial cell-wall synthesis. Streptomycin act by inhibiting prokaryote protein synthesis by preventing the transition from initiation complex to chain-elongation ribosome and cause miscoding. Amphotericin B act by interfering with fungal membranes permeability by forming channels in the membranes and causing small molecules to leak out.

STABILITY: This liquid media has a data supporting a shelf life of 24 months when properly stored. It may cause precipitation upon thawing.

PREPARATION: Suggested working concentration: 10mL/L. Solution stability at 37°C: 3 days. Add the appropriate amount of antibiotic to sterile media in order to obtain the required working concentration. Mix well and sterile filter (optional, reduces chances of contamination). Working concentration: selection of the proper working concentration is a balance between strong antibiotic effect and the concern for negative effects to the cells of importance. The working concentration should be varied above or below the suggested value to optimize for the cells.

ADDITIONAL INFORMATION: This material does not contain, nor is derived from Specified Risk materials as defined in Commission decision 97/534/EC.

THIS PRODUCT IS INTENDED FOR RESEARCH USE ONLY. IT IS NOT INTENDED FOR HUMAN OR THERAPEUTIC USE.