

Amphotericin B Solution 250µg/ml

Cell Culture Tested

Product Code: A011

Product Description:

Molecular formula: $C_{47}H_{73}NO_{17}$

Molecular weight: 924.1

CAS No: 1397-89-3

Amphotericin B (also referred as Fungizone™) is an antimycotic agent which is effective against fungi and yeasts. Amphotericin B binds with ergosterol and interferes with the cell membrane permeability of sensitive fungi and yeasts. The channels in the cell membrane cause leakage of cytoplasmic content leading to fungal death.

A011 is a sterile solution formulated to contain 250µg Amphotericin B per ml of cell culture grade water.

Directions:

A011 is used at a concentration of 2.5mg/L i.e. 10ml/L along with penicillin and streptomycin. When used alone without penicillin and streptomycin, it is recommended to use A011 at 2-4 times the normal concentration. 20-40ml/L for 2-3 subcultures will effectively eliminate yeasts and fungi. After 2-3 subcultures, the cells can be cultured in normal medium conditions.

Sensitive cell lines may react differently to this product. Hence it is recommended to determine the optimum usage dose empirically for individual cell line.

Quality Control:

Appearance

Yellow suspension.

pH

10.00 - 12.00

Osmolality in mOsm/Kg H₂O

10.00 - 30.00

Amphotericin concentration

250ug/ml

Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

Cultural Response

1. No toxicity to cells.
2. Antibiotic sensitivity test

Endotoxin Content

NMT 0.5EU/ml

Storage and Shelf Life:

Store at -10°C to -30°C.

Solution is stable for 3 days at 37°C and for approximately 2-3 weeks at 2-8°C.

Shelf life of the product is 18 months.

Precipitate in this product is normal.

Slight precipitate may be visible if the bottles are not adequately warmed. However, the precipitate gets fully dissolved again on warming the solution at room temperature.

Many times the precipitate redissolves on thoroughly mixing the solution.

In case the precipitate does not fully resolubilize, the solution is still suitable for use.

Use before expiry date given on the product label.

Disclaimer :

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