

Gentamicin-Amphotericin B Solution 1000X

With 30 mg/ml Gentamicin and 25 µg/ml Amphotericin B in sterile tissue culture grade water

Product Code: A031

Product Description :

Gentamicin is a broad spectrum bactericidal agent of aminoglycoside group and is effective against gram positive bacteria and gram negative bacteria.

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.

The use of Gentamicin-Amphotericin B (GA) is recommended to inhibit potential fungal or bacterial contamination of eukaryotic cell cultures.

A031 is a sterile solution of 30 mg/ml Gentamicin and 25 µg/ml Amphotericin B in sterile tissue culture grade water.

Directions

Recommended concentration for use is 1ml/L. Sensitive cell lines may react differently to this product. Hence it is recommended to determine optimum usage dose empirically for individual cell line.

Quality Control:

Appearance

Yellow Colour Solution

pH

5.00 -6.00

Osmolality in mOsm/Kg H₂O

50.00 -100.00

Sterility

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

Gentamicin Concentration

30 mg/ml

Amphotericin Concentration

25 µg/ml

Cultural Response

1. No toxicity to cells
2. Antibiotic Susceptibility Test

Endotoxin Content

NMT 0.5 EU/ml

Storage and Shelf Life:

Store at -20°C. Stable at 2-8°C for approximately 2-3 weeks.

Shelf life of the product is 18 months. Precipitate in this product is normal due to presence of Amphotericin. 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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