

## Technical Information

### Amphotericin B Solution 250µg/ml

**Product Code: A01011**

**Application:-**

**Molecular formula:** C<sub>47</sub>H<sub>73</sub>NO<sub>17</sub>

**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.

A01011 is a sterile solution formulated to contain 250µg Amphotericin B per ml of cell culture grade water.

### Methodology

A01011 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 A01011 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 H<sub>2</sub>O**

10.00 -30.00

**Sterility**

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

**Cultural Response**

No toxicity to cells.

**Endotoxin Content**

NMT 0.5EU/ml

### Storage and Shelf Life

Store at -20°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 :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
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