Technical Data Sheet

Version date: 16/07/2015

Amphotericin B 100X

CAT n°: LM-A4109

Theoretical pH : 10 – 11.5

Osmolality : 25 mOsm/kg ± 25 mOsm/kg

Colour : Yellow

Storage conditions : Frozen / Freeze again after using at –20°C

Shelf life : 24 month

Sterility tests : - bacteria aerobic-anaerobic - bacteria strictly anaerobic - fungi

Endotoxin : <10 EU/ml

Composition : 250 mg/l amphotericin B + 205 mg/l sodium deoxycholate in water

Recommended use : Dilute with adequate buffer or cell culture medium 1:100

The product is intended to be used in vitro, in laboratory only. Do not use it in therapy, human or veterinary applications.

Toxicity : Toxic effects will appear at 30 µg/ml for mammalian cells

Application: For tissue culture to prevent growth of yeasts and fungi. Changes the function and integrity of eucaryotic cell membranes by forming complexes with sterols (cholesterol) hence having no effect on bacteria. Cause leakage of glucose.

Utilisation:
Use at 2.5 µg/ml

NB : Amphotericin B is insoluble at pH 6 to 7, it is soluble at pH 2 or 11 for a concentration lower than 0.1 mg/ml in water.
It is not unusual for this material to form a precipitate in aqueous solutions. Mixing the solution will redissolve most of the precipitate but, if it does not fully resolubilize, the Amphotericin B will still be suitable for use.