Amphotericin B 100X

Product code : 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

- Respect storage conditions of the product
- Do not use the product after its expiry date
- Store product in an area protected from light
- Manipulate the product in aseptic conditions (e.g. : under laminar air flow)
- Wear clothes adapted to the manipulation of the product to avoid contamination (e.g. : gloves, mask, hygiene cap, overall…)
- In order to preserve all product qualities, it is recommended to thaw out the flask, to aliquote, then to re-freeze the produced flasks rather than to thaw out and re-freeze the flask at each use.
- It is recommended to use the product immediately after its thaw out.

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 unsoluble 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.