ClearLine	Technical data sheet	Ref : 509019
		Version date : 20/06/22

Amphotericin B 100X

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

Shelf life: 24 months

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

Colour: Yellow

pH: 10 – 11.5

Osmolality: 25 mOsm/kg ± 25 mOsm/kg

Endotoxin: <10 EU/ml

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

Cell Growth test: Not applicable

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

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 for research or further manufacturing only and not for use as an Active Pharmaceutical Ingredient or food or animal feed.

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.

Uses:
Use at 2.5 µg/ml

Signs of Deterioration: Not applicable

DOMINIQUE DUTSCHER SAS

Remarks:
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.

DOMINIQUE DUTSCHER SAS