ClearLine	Technical data sheet	Ref : 509021
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Antibiotic-Antimycotic 100X

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

Shelf life: 24 months

Composition: meet special formulation sheet

Colour: Yellow

pH: 8.5 ± 1

Osmolality: 300 - 450 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 bacteria (gram positive and gram negative), yeast and fungi.
Penicillin acts by inhibiting bacterial cell wall synthesis.
Streptomycin inhibits prokaryote protein synthesis by preventing the transition from initiation complex to chain-elongating ribosome and causes miscoding.

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Amphotericin B interferes with fungal membrane permeability by forming channels in the membranes and causing small molecules to leak out.

Uses:
Potency of the penicillin in solution: 10 000 000 U/l
Use at 10ml/l

Signs of Deterioration: Not applicable

Remarks: Not applicable

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