ClearLine	Technical data sheet Media Liquid	Ref : 509094

RPMI 1640
w/o L-Glutamine w/o Phenol Red

Storage +2°C to +8°C, protected from light

Shelf life: 24 months

Composition: Displayed on website; also available on request

Colour: Clear pale yellow solution

pH: 7.3 ± 0.3

Osmolality: 280 mOsm/kg ± 10 %

Endotoxin: < 1 EU/ml

Sterility tests:
- Bacteria in aerobic and anaerobic conditions
- Fungi and yeasts

Cell Growth test: Medium tested for the ability to support SP2/0-Ag14 cell growth

Other tests: Not applicable

Recommended use:
- Respect storage conditions of the product
- Do not use the product after its expiry date
- Store product in an area protected from light (not necessary for saline solutions).
- 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…)

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:
RPMI 1640 medium has a broad spectrum of mammalian and hybridoma cell applications. It was developed by Moore and his co-workers at Roswell Park Memorial Institute in 1966 for the growth of human leukemia cells in monolayer or suspension cultures. It is typically supplemented with serum or serum substitutes.

Uses:
Supplements, such as antibiotics and L-Glutamine, should be added as sterile supplements to the medium. Storage conditions and shelf-life of supplemented product will be affected by the nature of the supplements.
Add 10.25 ml of 200mM L-Glutamine solution (CAT N° : X0550) per litre of RPMI 1640

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Signs of Deterioration:
Medium should be clear and free of particulate and flocculent material. Do not use if medium is cloudy or contains precipitate.
Other evidence of deterioration may include colour change or degradation of physical or performance characteristics.

Remarks: Not applicable

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