

## RPMI 1640 w/o L-Glutamine w/o Folic Acid

**CAT N°:** LM-R1642

**Storage conditions:** +2°C to +8°C, protected from light

**Shelf life:** 24 months

**Composition:** Displayed on website; also available on request

**Colour:** Clear red - orange solution

**pH:** 7.3 ± 0.3

**Osmolality:** 278 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 (BioSera CAT N° : XC-T17150) per liter of RPMI 1640 and 0.001g/l of folic acid.

**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