

RPMI-1640, with MOPS

Cat. No. : PM150147

Size: 500mL

General Information

Product Form	Liquid
Concentration	1 ×
pH	7.0-7.6
D-Glucose	2000 mg/L
Sodium Bicarbonate (NaHCO₃)	2000 mg/L
L-Glutamine	2 mM
HEPES	Negative
Phenol Red	5 mg/L
Sodium Pyruvate	Negative
MOPS	34530 mg/L
Storage	2-8°C, Shading Light
Shipping	Room Temperature
Expiration date	24 months

Background

RPMI-1640 is an improved McCoy's 5A medium, which uses bicarbonate buffer system. RPMI-1640 medium was originally designed for lymphocyte culture. Nowadays, it has been widely used in the culture of normal cells and cancer cells, especially suspension cells, which is one of the most widely used media. RPMI-1640 medium contains many kinds of amino acids, vitamins, inorganic salts and other ingredients for cell culture, but does not contain protein, lipids or any growth factors. Therefore, the product should be used serum or serum-free additives.

Guidelines for use

Pricella's cell culture media undergoes strict quality control to ensure sterility, but may get contaminated during use. Follow these guidelines for sterile handling to avoid contamination.

1. Always wipe your gloved hands and work area with 70% ethanol.
2. Wipe the outside of the containers, flasks, plates, and dishes with 70% ethanol before placing them in the cell culture hood.
3. Use sterile pipette tips and pipettes to work with liquids, and use each pipette tip only once to avoid cross-contamination. Do not unwrap sterile pipettes until they are ready to be used. Keep pipettes and tips within the clean work area.
4. Do not talk while performing sterile procedures and perform your cell culture as efficiently and carefully as possible to minimize contamination.

Quality control

Standard evaluations for cell culture media are pH, osmolality, endotoxins and sterility testing for liquid

products, cell growth experiments .

Notes

1. This product is for research use only.
2. This product is sterilized by 0.1 µm filtration.
3. It is necessary to pay attention to the aseptic operation and avoid the contamination during the culture.

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