

MEM (ATCC modified)

Cat. No. : PM150467

Size : 500mL

General Information

Product Form	Liquid
Concentration	1 ×
pH	7.0-7.6
D-Glucose	1000 mg/L
HEPES	Negative
L-Glutamine	2 mM
NaHCO₃	1500 mg/L
Phenol red	10 mg/L
NEAA	Positive
Sodium pyruvate	1 mM
Balanced salt	Earle's salt
Storage	2-8°C, Shading Light
Shipping	Room Temperature
Expiration date	24 months

Background

MEM medium (Minimum Essential Medium) was developed on the basis of Eagle basic medium. It is one of the most basic and widely used culture medium, and one of the most commonly used culture medium in animal cell culture. MEM medium contains 12 kinds of essential amino acids, glutamine and 8 vitamins, which is simple, mainly used in the culture of adherent cells. It can also be used for other types of cell culture after the formula is modified. ATCC's modified MEM medium contains non-essential amino acids, sodium pyruvate, and reduces the amount of sodium bicarbonate.

This product 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 with serum or serum-free additives.

Guidelines for use

Procell'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 crosscontamination. 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 only used for scientific research or further research, not for diagnosis and treatment.
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.