

## MEM/F12, with P/S

Cat. No. : PM151220A

Size : 500mL

### General Information

<b>Product Form</b>	Liquid
<b>Concentration</b>	1 ×
<b>pH</b>	7.2-7.4 <sup>®</sup>
<b>D-Glucose</b>	1401 mg/L
<b>Sodium Bicarbonate (NaHCO<sub>3</sub>)</b>	1688 mg/L
<b>L-Glutamine</b>	1.5 mM
<b>HEPES</b>	Negative
<b>Phenol red</b>	5.6 mg/L
<b>Sodium Pyruvate</b>	0.5 mM
<b>NEAA</b>	Positive
<b>Penicillin G</b>	100 kU/L
<b>Streptomycin Sulfate</b>	100 mg/L
<b>Storage</b>	2-8°C, Shading Light
<b>Shipping</b>	Room Temperature
<b>Expiration date</b>	24 months

### Background

MEM/F12 medium is based on MEM medium with more abundant nutrients in F12 medium and contains a variety of trace elements. It is widely used in the cultivation of a variety of mammalian cells. At the same time, MEM/F12 medium is often used as the basis for the development of serum-free medium, and it is also suitable for the cultivation of mammalian cells with low serum content. 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 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.