

## MEM Complete Medium (20)

Cat. No. : PM150411C

Size : 125mL×4

### General Information

|                              |  |
|------------------------------|--|
| <b>Product Form</b>          | Liquid                                   |
| <b>Concentration</b>         | Ready-to-use                             |
| <b>Components</b>            | MEM[PM150411]+20% Nutrient+1% Supplement |
| <b>Bacterial detection</b>   | Negative                                 |
| <b>Fungal detection</b>      | Negative                                 |
| <b>Mycoplasmal detection</b> | Negative                                 |
| <b>Endotoxin level</b>       | < 3 EU/mL                                |
| <b>Shipping</b>              | Ice bag                                  |
| <b>Storage</b>               | 2-8°C, Shading Light                     |
| <b>Expiry date</b>           | 6 months                                 |

### Product Introduction

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.

MEM, with NEAA medium is added L-alanine, L-glutamic acid, L-asparagine, L-aspartic acid, L-proline, L-serine and glycine on the basis of MEM medium. These 7 kinds of NEAA, can reduce the side effects of producing non-essential amino acids during cell culture and promote cell proliferation and metabolism.

### Guidelines for use

1. 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.
2. Always wipe your gloved hands and work area with 70% ethanol.
3. Wipe the outside of the containers, flasks, plates, and dishes with 70% ethanol before placing them in the cell culture hood.
4. 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.
5. 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 during the culture.
4. It is not suitable for long time storage at room temperature.
5. This product is a ready-to-use medium. If there is no special need, don't add serum, penicillin and streptomycin. It can be used directly.

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