

## Mycoplasma Removal Medium (DMEM/F12)

Cat. No. : PM150312-MR

Size : 125mL×4

### General Information

<b>Product Form</b>	Liquid
<b>Components</b>	DMEM/F12[PM150312] Anti-Mycoplasma Treatment Reagent[P-CMR-001]
<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

Mycoplasma is the smallest and simplest prokaryote found so far, with a diameter of 0.1-0.3 µm. It can easily pass through the filter membrane and enter the cell culture system. It has various forms such as sphere, rod, filamentous and branching. Usually attached to the surface of the cell membrane, there is no cell wall, so ordinary antibiotics have no effect on it.

Mycoplasma contamination is widespread and often underestimated in cell cultures. Mycoplasma contamination can cause many problems, such as changes in cell growth rate, cell morphology, chromosome aberrations, cell membrane antigenicity changes, cell metabolism changes, reduced survival rate after cell resuscitation, and so on, which ultimately leads to inaccurate or incorrect experimental results.

Therefore, it is of great significance to clean up mycoplasma contamination in cell culture.

### 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  $\mu\text{m}$  filtration.
3. It is necessary to pay attention to the aseptic operation and avoid the contamination.

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