

## Mycoplasma Removal Medium (MEM)

**Cat. No. :** PM150411-MR

**Size:** 100mL

### General Information

<b>Product Form</b>	Liquid
<b>Concentration</b>	Ready-to-use
<b>Component</b>	MEM (PM150410)+Anti-Mycoplasma Treatment Reagent(P-CMR-001)
<b>Bacterial detection</b>	Negative
<b>Fungal detection</b>	Negative
<b>Mycoplasma detection</b>	Negative
<b>Endotoxin content</b>	< 3 EU/mL
<b>Storage</b>	2-8°C,Shading light
<b>Shipping</b>	Ice bag
<b>Expiration date</b>	6 months

### Introduction

Mycoplasma is the smallest and simplest prokaryote found so far, with a diameter of 0.1-0.3  $\mu\text{m}$ . 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.

### Notes

1. This product is for research use only.
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 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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