

## Nanobacteria Removal Medium (DMEM/F12, with HEPES)

**Cat. No. :** PM150310-HR

**Size:** 500mL/100mL

### General Information

<b>Product Form</b>	Liquid
<b>Concentration</b>	Ready-to-use
<b>Component</b>	DMEM/F12 (HEPES)(PM150310)+Anti-Nanobacteria Treatment Reagent(P-CMR-002)
<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

Nanobacteria and their decomposition complexes are the common contaminant in cell cultures that co-exists with cells. Antibiotics are usually ineffective. Nanobacteria grows competitively with cells, which is unfavorable to cell growth, and in severe cases causes cell death. At present, many cells are contaminated with nanobacteria, which has a great impact on cell culture and subsequent experiments.

The common characteristics of cells contaminated by nanobacteria are as follows: (1) The medium is not turbid, but when the cells are observed under a microscope, there are many "small black spots" around the cells or in the culture medium. With the extension of culture time, the "small black spots" gradually increase, and they cannot be removed by changing the culture medium or washing the cells; (2) the cells contaminated by the "small black spots" consume fast nutrients and require frequent replacement of the culture medium; (3) Nanobacteria - contaminated cells grow slowly, have poor cell states, and are severely vacuolated. They may even cause changes in cell morphology.

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

### Notes

1. This product is for research use only.
2. This product is sterilized by 0.1μm 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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