# Nanobacteria Removal Medium (DMEM (High glucose) )

**Cat. No.: PM150210-HR**
**Size: 100mL**

## General Information

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| **Product Form** | Liquid |
| **Components** | DMEM (High glucose)[PM150210]+<br>Anti-Nanobacteria Treatment Reagent[P-CMR-002] |
| **Bacterial detection** | Negative |
| **Fungal detection** | Negative |
| **Mycoplasmal detection** | Negative |
| **Endotoxin level** | < 3 EU/mL |
| **Shipping** | Ice bag |
| **Storage** | 2-8°C, Shading Light |
| **Expiry date** | 6 months |

## Background

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.
Anti-Nanobacteria media is a new generation product developed by our team on the basis of Biomocin products. It contains special ingredients to remove nanobacteria. This product has been tested on hundreds of cells and verified by long-term experiments. It is harmless to cells and has a significant effect on removing and inhibiting nanobacteria.

## 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.