Nanobacteria Removal Complete Medium (10) (DMEM (High glucose))

Cat. No. : PM150210B-HR

Size: 100mL

General Information

Product Form	Liquid
Concentration	Ready-to-use
Component	DMEM (High glucose)(PM150210);Nutrients;Anti-Nanobacteria Treatment Reagent(P-CMR-002)
Bacterial detection	Negative
Fungal detection	Negative
Mycoplasma detection	Negative
Endotoxin content	＜ 3 EU/mL
Storage	2-8℃, Shading light
Shipping	Ice bag
Expiration date	3 months

Introduction

DMEM (Dulbecco's Modified Eagle Medium) was developed on the basis of MEM medium. Compared with MEM medium, the content of amino acid increased by 2 times, the content of vitamin increased by 4 times, and the content of non-essential amino acid, trace iron ion and sodium pyruvate were increased by 4 times.

The glucose content of DMEM medium was originally designed as 1000 mg/L (low Glucose type), and then developed into 4500mg/L (high Glucose type), which has been widely used in cell culture.

DMEM (High glucose) was widely used in fast growth, low adhesion cells, hybridoma myeloma cells, clone cells, DNA transfected transformation cells, various primary virus host cells, single cell culture and vaccine production.

DMEM (High glucose) contains many kinds of amino acids, vitamins, inorganic salts and other ingredients for cell culture, but does not contain protein, lipids or any growth factors, so the product should be used with serum or serum-free additives.

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 for research use only.
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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