

Myco-Prevent Mycoplasma Inhibitor (100×)

Cat #: A-CSH760

Size: 1mL, 5mL

Storage: Room temperature, shelf life of 12 months.

Product Description

Mycoplasma, also known as mollicutes, is the smallest and simplest known prokaryotic organism with a diameter ranging from 0.1 to 0.3 μ m. It can easily pass through filters and contaminate the culture system. Mycoplasma exhibits high pleomorphism, with various forms such as spherical, rod-shaped, filamentous, and branched. It typically attaches to the cell membrane and lacks a rigid cell wall, rendering common antibiotics ineffective against it.

Mycoplasma contamination can severely impact the cellular state, causing alterations in gene expression and metabolic characteristics, resulting in slowed cell growth, abnormal differentiation, and cell death, ultimately affecting cell function. These factors significantly compromise the reliability and reproducibility of experimental results, making the prevention and removal of mycoplasma contamination crucial.

The Mycoplasma Prevention Reagent is used to prevent widespread mycoplasma contamination in cell cultures. It can inhibit existing mycoplasma contamination in cells and prevent new contamination. This reagent is a naturally derived antibiotic selected for its lack of toxicity to cells. Similar to penicillin and streptomycin commonly used in cell culture, it does not interfere with various cell assays. The product has been sterilized by filtration and can be used directly.

Usage

Before use, thaw the product at room temperature, disinfect the external packaging, and place it on a laminar flow hood.

Notes

1. This product is irritating to the human body. Handle with care and take appropriate precautions to avoid direct contact or inhalation.

2. This reagent can effectively inhibit or eliminate various types of mycoplasma, but it cannot guarantee inhibition or elimination of all types encountered in actual experimental operations.
3. This product is intended for scientific research use by professionals only and should not be used for clinical diagnosis or treatment, or for food or drugs. It should not be stored in residential areas.
4. For your safety and health, please wear lab attire and disposable gloves during operation.

Disclaimer

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.