

Myco-Out Mycoplasma Removal Reagent (100×)

Cat #: A-CSH759

Size: 10mL

Storage: Store in dark at -20°C (12 months)

Product Description

Mycoplasma is the smallest and simplest known prokaryotic organism with a diameter ranging from 0.1 to 0.3 μm . It can easily contaminate cell culture systems by passing through filters. Mycoplasma exhibits high pleomorphism, appearing in various forms such as spheres, rods, filaments, and branched structures. It typically attaches to the cell membrane and lacks a rigid cell wall, rendering common antibiotics ineffective against it.

Myco-Out Mycoplasma Removal Reagent (100×) are used to inhibit and remove widespread mycoplasma contamination in cell cultures. These reagents serve the dual purpose of eliminating existing mycoplasma contamination within cells and preventing future contamination. Derived from a screening process, this natural antibiotic exhibits low concentrations that effectively inhibit or clear mycoplasma without causing toxicity to the cells. Similar to commonly used antibiotics like penicillin and streptomycin in cell culture, it does not interfere with various cell assays. This reagent is easy to use, typically requiring the addition to the cell culture medium for approximately one week to effectively inhibit or eliminate mycoplasma. It is recommended to change the culture medium every two days. The product has been sterilized by filtration and can be used directly.

Procedure

1. Prior to use, thaw the product at room temperature, disinfect the external packaging, and place it on a clean bench.
2. After subculturing contaminated cells, add 100 μL of Myco-Out Mycoplasma Removal Reagent (100×) to every 10 mL of culture medium and incubate for 7 days. During this period, when changing the medium, add Myco-Out Mycoplasma Removal Reagent (100×) in the same proportion.
3. After 7 days of cell culture, switch to the medium without Myco-Out Mycoplasma Removal Reagent (100×) and continue culturing for 2 days. Take 10 μL of cell culture supernatant for mycoplasma testing to assess the effectiveness.

of elimination.

Notes

1. The Myco-Out Mycoplasma Removal Reagent (100×) can be irritating to the human body. Please handle with care and take appropriate precautions to avoid direct contact with the body or inhalation.
2. This reagent can effectively inhibit or clear various types of mycoplasma, but it cannot guarantee the inhibition or clearance of every type of mycoplasma encountered in actual experimental procedures.
3. This product is intended for scientific research by professionals only and should not be used for clinical diagnosis or treatment, food or drug purposes, or stored in residential areas.
4. For your safety and health, please wear laboratory attire and disposable gloves while handling the reagent.

Disclaimer

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