

Mycoplasma Removal Agent (100×)

Cat. No.: M752153 | Pack size: 1 mL, 5×1 mL | Storage: Store at -20°C, Avoid repeated freezing and thawing

Overview

Mycoplasma Elimination Reagent is designed to inhibit and eradicate prevalent mycoplasma contamination in cell culture, and can eliminate existing mycoplasma contamination in cells. This reagent effectively suppresses and removes multiple mycoplasma species, including *Mycoplasma orale*, *M. arginini*, *M. hyorhinis* and *Acholeplasma laidlawii*. The reagent contains two bactericidal components: macrolide and quinolone antibiotics. It targets the protein synthesis and DNA replication stages of mycoplasma replication. Mycoplasma contamination can be eliminated within only two weeks, with minimal impacts on cellular metabolism. The reagent works efficiently against both intracellular mycoplasma and extracellular free mycoplasma. It also exhibits certain eliminating effects on a variety of Gram-positive and Gram-negative bacteria. The effective concentration for mycoplasma eradication ranges from 12.5–37.5 µg/mL, with a typical working concentration of 25 µg/mL. The exact working concentration varies depending on mycoplasma species. Appropriate working concentrations should be optimized empirically for practical mycoplasma decontamination procedures.

Instructions for Use:

This product has been sterile-filtered and ready for direct use. Dilute it at an appropriate ratio according to experimental requirements; a 100-fold dilution is commonly adopted.

Precautions:

1. This product is for research use only. It shall not be used for clinical treatment, food or pharmaceutical applications, and must not be stored in residential premises.
2. Wear a lab coat and disposable gloves during operation for personal safety and health protection.
3. Although this reagent can inhibit or eliminate many mycoplasma species, it cannot guarantee efficacy against all mycoplasma strains encountered in practical experiments. In addition, long-term use may lead to the development of mycoplasma resistance.

Specifications

Item	Information
Specifications & Purity	Sterile-filtered, BioReagent, Mycoplasma free, for Cell culture, 100×

Stability And Storage	Stored at 4 °C, valid for one year. After preparing the solution, store it at -20 °C.
Storage	Store at -20°C, Avoid repeated freezing and thawing
Shipped In	Ice chest + Ice pads This product requires cold chain shipping. Ground and other economy services are not available.

Contact & Global Offices

Whether you have a technical question, need help with a quotation, or want to inquire about an order, our regional teams are ready to assist. Please contact the office for your region; for general inquiries, the North American office is the corporate primary.

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Limitations & Disclaimer

- ☐ For Research Use Only (RUO). Not for use in human or animal diagnostics, therapeutics, or in vivo applications. Not for food, cosmetic, or household use.
- ☐ This product is not a CE-marked in vitro diagnostic device under IVDR (EU) 2017/746 and is not an FDA-cleared device under 21 CFR. Use is restricted to verified businesses, institutions, and qualified professionals for research and development purposes.
- ☐ Where any kit component is classified as hazardous under CLP (EC) 1272/2008 or OSHA HCS (29 CFR 1910.1200), the product Safety Data Sheet (SDS) takes precedence over this document for handling, storage, and disposal information.
- ☐ Performance depends on sample type, sample condition, handling, and operator technique. Users are responsible for validating the kit for their specific application.
- ☐ Aladdin product labels, SDS, COA, and approved specifications take precedence over this document. If product formulation, label, SDS, storage conditions, pack size, or quality specifications change, this document would be reviewed and reissued.