

Product Data Sheet

Product Name: Mycoplasma Removal Agent

Cat. No.: GC20270

Chemical Properties

Cas. No.

Formula

M.Wt

Solubility

Storage Store at 2-8°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

The Mycoplasma Removal Agent is a reagent designed for the suppression and elimination of mycoplasma contamination, which is commonly found in cultured cells. Mycoplasma removal agent

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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serves the dual purpose of removing existing mycoplasma contamination in cells and preventing new infections.

This reagent is effective against a variety of mycoplasmas, including *Mycoplasma orale*, *M. arginini*, *M. hyorhinis*, and *Acholeplasma laidlawii*. Mycoplasma removal agent is a natural antibiotic obtained through screening and works at relatively low concentrations to inhibit or eliminate mycoplasma, without being toxic to the cells. Like penicillin and streptomycin used in cell culture, mycoplasma removal agent does not interfere with various cell tests.

The mycoplasma removal agent is user-friendly, adding it to the cell culture medium for about a week is usually sufficient to effectively inhibit or eliminate mycoplasma. This agent is also cost-effective; the additional cost of adding this reagent per liter of culture medium is negligible compared to the cost of serum used for preventing or inhibiting mycoplasma growth.

The mycoplasma removal agent is light yellow and soluble in water, with a solubility of about 15mg/ml in water. The effective inhibitory concentration of this reagent is 0.01-0.5µg/ml, and the effective concentration for mycoplasma elimination is 0.5-250µg/ml. The most commonly used concentration is between 1-50µg/ml. The specific working concentration may vary depending on the type of mycoplasma and needs to be determined based on the specific situation in practice. A 20mg package of this reagent can prepare 40 liters of working solution at 0.5µg/ml, 1000ml at 20µg/ml, or 400ml at 50µg/ml. A 100mg package can prepare 200 liters at 0.5µg/ml, 5000ml at 20µg/ml, or 2000ml at 50µg/ml.

Mycoplasma Removal Agent is irritating to humans; careful handling is required, along with appropriate protective measures to avoid direct contact with the body or inhalation.

While this reagent can effectively inhibit or eliminate many types of mycoplasma, it cannot guarantee to inhibit or eliminate every type encountered in actual experimental operations. Long-term use of this reagent may lead to the development of resistance in mycoplasma. If the reagent is not effective, consider using Glpbio's Mycoplasma Removal Agent Plus (GC20269).

This mycoplasma removal agent product is exclusively for scientific research by professionals and is not to be used for clinical diagnosis or treatment, nor in food or pharmaceuticals, and should not be stored in residential areas.

For safety and health, please wear a lab coat and disposable gloves during use.

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