

Mycoplasma Elimination Cocktail

Cat. No.	Product Name	Quantity
G398	Mycoplasma Elimination Cocktail	1.0 ml (3.5 mg/ml)

Description

abm's **Mycoplasma Elimination Cocktail** is a specially formulated agent to effectively clear cells from *Mycoplasma* contamination in both adherent and suspension cells. *Mycoplasma* contamination is currently the most prevalent contamination in all cell culture facilities around the world.

Storage Condition

Store at -20°C for long term storage. 4°C for short term use.

Protocol

1. Wash cells thoroughly before treatment to remove contaminated media. For adherent cells, wash with serum free medium in flasks or plates. For suspension cells, conduct a few centrifuge-wash cycles.
2. It is recommended to treat cells in a T75 flask with vent cap for easy manipulation.
3. Plate cells at 30-40% density (fast growing cells at 30% and 40% for slow growing cells), then add medium with elimination agent at 1:1000 dilution (i.e. 1 µl G398 in 1 ml culture medium).
4. As *Mycoplasma* doubling time is 2-3 hours, it is best to wash cells daily and add new medium with G398 during the first 3 days of treatment.
5. For cells sensitive to the treatment, the elimination agent can be used at 1:2000 dilution, and under this situation, daily washing is highly recommended for effective decontamination for a total of 5 days.
6. For cells less sensitive to the treatment, 1:500 dilution can be used for faster results.
7. Normally the treatment will take 2-3 weeks to decontaminate cells, but severe contamination may take longer. Confirm elimination of *Mycoplasma* using a quick and easy Mycoplasma PCR Detection Kit (Cat. No. **G238**).
8. Cells can only be confirmed to be *Mycoplasma*-free after two sets of negative results from two independent assays, conducted 5 days apart.

General Notes

- Recommend making the fresh dilutions and use within 5 days. Do not leave the diluted reagent longer than 5 days as it may lead to loss of potency.