



MycoAway™ 1000X Mycoplasma Cocktail

Cat. No. G398

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

Product Description

Mycoplasma contamination is one of the most common and persistent threats to cell culture integrity in laboratories worldwide. Rapid detection and effective elimination are critical to ensuring accurate and reliable research outcomes.

Building on our success as the industry's No. 1 ranked *Mycoplasma* detection provider (J Virol Methods, Feb 2020; 276:113769) and supported by over 1,100 scientific publications, our team has continued to push the boundaries in contamination control.

We are proud to introduce MycoAway™ 1000X Mycoplasma Cocktail—a powerful elimination reagent designed for rapid and efficient clearance of a broad range of *Mycoplasma* species. Developed by our expert scientists, this high-performance formulation offers a fast, effective solution to one of the most pervasive challenges in cell culture.

Cat. No.	Product	Quantity
G398	MycoAway™ 1000X Mycoplasma Cocktail	1.0 ml

Mycoplasma Elimination Protocol

1. Pre-Treatment Wash

Remove residual contaminated media before treatment:

- **Adherent cells:** Rinse thoroughly with serum-free medium directly in the flask or plate.
- **Suspension cells:** Perform multiple centrifugation and wash cycles with serum-free medium.

2. Recommended Culture Setup

Use a T25 flask with a vented cap to facilitate gas exchange and ease of handling.

3. Cell Plating and Treatment Initiation

Plate cells at appropriate density based on growth rate:

- 30% confluency for fast-growing cells
- 40% confluency for slow-growing cells

Add MycoAway™ Cocktail to culture medium at a 1:1000 dilution (e.g. 1 µl MycoAway™ per 1 ml medium).

4. First Media Change (48 Hours)

Due to the 2–6 hour doubling time of *Mycoplasma*, replace medium with fresh MycoAway™-supplemented medium after 48 hours to maintain optimal clearance.

5. Dosage Adjustments Based on Cell Sensitivity

- **Sensitive cells (visible toxicity):** Use a reduced 1:2000 dilution
- **Resistant cells:** Use a stronger 1:500 dilution for faster decontamination

6. Subculturing

When cells reach confluency (typically 3–5 days), subculture into a T75 flask at 30% confluency, continuing treatment with MycoAway™.

7. Ongoing Treatment

Maintain subculturing and regular medium changes with fresh MycoAway™ until *Mycoplasma* is fully eliminated.

8. Verification of Elimination

Most contaminations resolve within 1 week, though severe infections may require extended treatment.

Confirm elimination using abm's Mycoplasma PCR Pro Detection Kit (Cat. No. G239) or Mycoplasma qPCR Detection Kit (Cat. No. G240).

9. Confirmation Criteria

A culture is considered *Mycoplasma*-free only after two consecutive negative results, confirmed by two independent assays conducted at least 5 days apart.

General Notes

- **MycoAway™** is the **fastest-acting mycoplasma clearance agent** available, outperforming MycOut™ 1000X and other competitor products in most standard contamination scenarios.
- For **resistant *Mycoplasma* strains**, an alternative or follow-up treatment with **MycOut™ 1000X** may be recommended to achieve complete elimination.