



MycOut™ 1000X – Culture Guard

Your cell culture's first line of defense against *Mycoplasma*—treat and protect in one easy step.

Forgot to use it? Uh-oh.

Mycoplasma doesn't knock before crashing your experiment.

Stay one step ahead—use MycOut™ and keep your cultures drama-free.

Cat. No. G7001

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

Product Description

abm's MycOut™ 1000X is a newly developed, broad-spectrum antibiotic cocktail designed to **eliminate and prevent *Mycoplasma* contamination** in both adherent and suspension cell cultures. Utilizing a powerful **dual-action mechanism**, MycOut™ targets two critical processes essential for *Mycoplasma* survival:

- **Protein synthesis:** blocks *Mycoplasma* ribosomal activity
- **DNA replication:** inhibits bacterial DNA gyrase and topoisomerase
- **Broad-spectrum action:** intracellular and wall-less forms
- **Built-in prevention:** Use at 1:2000 dilution for long-term prevention
- **Low toxicity:** Non-toxic to most mammalian cells, even at 10–100X working concentration

Cat. No.	Product	Quantity
G7001	MycOut™ 1000X	2 x 1.0 ml

MycOut™ 1000X – Mycoplasma Elimination Protocol

1. Pre-Treatment Washing

Thoroughly wash cells to remove contaminated media.

- **For adherent cells:** rinse with serum-free medium directly in the culture flask or plate.
- **For suspension cells:** perform multiple centrifugation-wash

2. Recommended Setup

Treat cells in a T25 flask with a vent cap to allow gas exchange and ease of handling.

3. Plating and Treatment Initiation

Plate cells at 30-40% confluency:

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

Add MycOut™ to the medium at 1:1000 dilution (e.g., add 1µl MycOut™ per 1 ml of culture medium).

4. First Media Change

Since *Mycoplasma* have doubling time of 2–6 hours, replace the medium with fresh MycOut™-containing medium after 48 hours to maximize clearance.

5. Adjusting Dosage Based on Cell Sensitivity

- **For sensitive cell lines:** use a reduced 1:2000 dilution.
- **For resistant cells:** a stronger 1:500 dilution can be applied for quicker decontamination.

6. Subculture as Needed

Once the T25 flask is confluent (typically in 3–5 days), subculture into a T75 flask at 30% density, continuing MycOut™ treatment.

7. Ongoing Treatment

Continue subculturing at 30% confluency, maintaining fresh MycOut™-supplemented medium until *Mycoplasma* is eliminated.

8. Verification of Elimination

Most contaminations are cleared in 2–3 weeks, though severe cases may take longer.

Use abm's *Mycoplasma* PCR Pro Detection Kit (Cat. No. G239) or qPCR kit (Cat. No. G240) for confirmation.

9. Confirmation Criteria

Cells are considered *Mycoplasma*-free only after two consecutive negative results, using two independent assays performed at least 5 days apart.

General Notes

- *Mycoplasma* contamination is common in cell culture; using **MycOut™ 1000X** as a preventive measure is highly recommended.
- While **MycOut™ 1000X** may take slightly longer to eliminate contamination compared to **MycoAway™** (Cat. No. G398), it offers **broader-spectrum coverage** against a wider range of *Mycoplasma* species.