

# 1,000X Mycoplasma Cleaner (Based)

CAT No. APL-5005-1

## DESCRIPTION

APOLO's 1,000X Mycoplasma Cleaner is a kit for removing Mycoplasma by disrupting membrane structure. Unlike conventional antibiotics, this kit can remove antibiotic-resistant mycoplasma, so as to achieve more effective elimination of mycoplasma rather than inhibiting proliferation. Our results showed that no recontamination was found for 4 months after one treatment with our product. Be used to kill all kinds of mycoplasmas and is relatively less toxic to cells than traditionally-used antibiotics. This kit has been validated in most commonly used cell lines, including mouse and human embryonic stem cells or iPS cells, HEK293, Hela, HepG2, HCT116, COS-7, Vero, Huh-7, MDCK, PANC-1, SW620, and U2OS.

## CONTENT

	APL-5005-1
1,000X Mycoplasma Cleaner (Based)	2 mL

## STORAGE

This product should be stored at 4°C. Protect from light.

## PROTOCOL

1. Dilute the 1,000X Mycoplasma Cleaner with cell culture medium by a ratio of 1:1000.

**NOTE:** *The diluted solution should be freshly prepared and should not be stored.*

2. Discard the cell culture medium and add fresh medium containing Mycoplasma Cleaner prepared in Step 1.

3. Change the cell culture medium or passage cells as normal.

**NOTE:** *Collect the cell culture supernatant when changing medium and use Mycoplasma Detector (APL-5002) to detect the mycoplasma contamination.*

4. Normally, successful removal of mycoplasma can be obtained within 3 to 7 days.

**NOTE:** *Please adjust the treatment times and treatment period according to the extent of contamination.*

5. Use Mycoplasma Detector (APL-5002) to confirm whether the mycoplasma has been removed thoroughly after treatment.

6. After mycoplasma removal is confirmed, replace with fresh culture medium without Mycoplasma Cleaner.

## TROUBLE SHOOTING

1. How to treat the cells with severe mycoplasma contamination?

Under some rare circumstances, mycoplasma contamination may still be detected after 7 days of treatment, especially for severely contaminated cultures. In such cases, it is recommended to extend the treatment for another 7 days.

2. How to prevent toxicity to my cells, or get the cells to grow more quickly?

Under most situations, APOLO's 1,000X Mycoplasma Cleaner is relatively less toxicity to cells as compared to industry standards. However, if Mycoplasma Cleaner shows toxicity or cells growth slows down, please increase the dilution from 1:1000 to 1:5000.

3. Is this product applicable to the primary cell cultures?

Yes, Compared with similar products from other resources, APOLO's 1,000X Mycoplasma Cleaner is much more effective at eliminating mycoplasma from MEF (mouse embryo fibroblast) and other primary cell cultures, which are at high risk of contamination.

## PRODUCT USE LIMITATION

Research use only.