

# Myco-Off Mycoplasma Cleaner

D103

Version 22.1



## Product Description

Myco-Off Mycoplasma Cleaner is the latest generation of mycoplasma elimination reagent, mainly used to eliminate mycoplasma in cells, serum and culture medium. Different from conventional antibiotics, its elimination principle is to destroy the membrane structure of mycoplasma, causing mycoplasma to rupture and die. It can effectively eliminate antibiotic-resistant mycoplasma without developing drug resistance. For common Gram-negative and Gram-positive bacteria, It also has a certain inhibitory effect. Use this product for 3 - 7 days, then the intracellular and extracellular mycoplasma can be completely eliminated. Myco-Off Mycoplasma Cleaner can eliminate most types of mycoplasma without toxicity to the cells themselves.

## Components

Components	D103-01	D103-02	D103-03
Myco-Off Mycoplasma Cleaner	100 $\mu$ l	5 $\times$ 100 $\mu$ l	10 $\times$ 100 $\mu$ l

## Storage

Store at -30 ~ -15°C and transport at  $\leq$ 0°C.

## Applications

It is applicable for conventional cell lines such as mouse embryonic stem cells or iPS cells, human embryonic stem cells or iPS cells, HEK293, HeLa, HepG2, HCT116, COS-7, Vero, Huh-7, MDCK, PANC-1, SW620 and U2OS.

## Notes

For research use only. Not for use in diagnostic procedures.

High concentrations of monovalent and divalent cations, polyanions and proteases may inhibit the mycoplasma clearance effect of this product.

## Experiment Process

1. Dilution of Myco-Off Mycoplasma Cleaner: Dilute this product with fresh cell culture medium at a ratio of 1:1,000. It is prepared freshly and cannot be stored.
2. Discard the cell culture medium, then add diluted Myco-Off Mycoplasma Cleaner.
  - ▲ For each treatment of changing medium, the fresh medium is necessary.
  - ▲ When changing the medium, MycoBlue Mycoplasma Detector (Vazyme #D101) can be used to detect the presence of mycoplasma.
3. Under normal conditions, mycoplasma can be successfully eliminated within three days.
  - ▲ According to the normal operation of changing the medium once a day, mycoplasma can be successfully eliminated after continuous treatment for three days.
  - ▲ It is recommended to adjust the time and cycle of treatment according to the severity of mycoplasma contamination.
4. Use MycoBlue Mycoplasma Detector (Vazyme #D101) to confirm whether the mycoplasma has been completely eliminated after treatment.
5. When the mycoplasma is completely eliminated, the cells should be cultured in the medium without the elimination reagent.

## FAQ & Troubleshooting

### ◇ How to treat the cells with severe mycoplasma contamination?

For these cells severely polluted by mycoplasma, if the mycoplasma cannot be eliminated within seven days, it is recommended to extend the treatment time.

### ◇ How to decrease the toxicity of mycoplasma elimination reagents to cells?

This product has been proven to be virtually non-toxic to cells in most cases. For some sensitive cells, if the cells grow slowly, the reagent can be diluted 1:2,000 or lower.

### ◇ Is this product applicable to the primary cell cultures?

This product can be used. Compared with similar products from other sources, this product has a higher elimination efficiency in the treatment of mycoplasma-susceptible cell lines such as MEF (mouse embryo fibroblast).



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