

## Mycoplasma Scavenger

**Cat:** CA1090

**Size:** 200 $\mu$ L

**Storage:** -20°C, valid for 1 year

**Note:** Please centrifuge the reagent tube instantaneously after receiving the goods.

### Product description:

Mycoplasma is a size of only 0.2~0.3 $\mu$ m, no cell wall, can pass through the general filter membrane (0.22~0.45 $\mu$ m) prokaryotes, in the process of cell culture, mycoplasma infection rate reached 63%, so the cell culture process by mycoplasma pollution is a worldwide problem. Multiple literature studies have shown that when the cells (especially the passage cells) are contaminated by mycoplasma, the expression of DNA, RNA and protein in the cells is changed, and the growth rate of the cells is generally not significantly affected, so the cell is generally difficult to detect mycoplasma pollution.

This product is mainly used to remove mycoplasma from cells, serum and medium, and also has a certain effect on the removal of common bacteria.

Principle of action: This product can effectively kill the mycoplasma and common bacteria outside the cell, and can also enter the cell to remove the mycoplasma in the cell body, so that the cell completely get rid of the trouble of mycoplasma pollution, to ensure the reliability of the experimental results of researchers.

### Protocols:

1. When using mycoplasma scavenger treatment, it is recommended to maintain the cell density of 50-60%.
2. Rinse the cells with the culture solution 3-5 times, each time flushing away from one direction.
3. Dilute with mycoplasma scavenger and complete culture medium at 1:1000-2000 ratio, and add cells for normal culture.
4. Follow step 3 to treat the cells 3-6 times.

### Advantages:

1. Effective removal of mycoplasma pollution, removal efficiency of 100%.
2. It only takes 2-3 days to remove mycoplasma contamination inside and outside cells.
3. Directly added to the serum, culture medium, does not affect cell growth.
4. With a broad spectrum, can replace double antibiotics, kill common bacteria.
5. Almost non-toxic to cells, mycoplasma will not develop resistance to it.
6. Safe and reliable, hundreds of cell verification.
7. No secondary pollution, the product can be degraded into amino acids to be used by cells.

### Notes:

1. Packaging storage, be sure to use now.
2. This product should not be mixed with other antibiotics except for the double resistance of cyanomycin.
3. The product precipitation is normal phenomenon, before packaging or use must be dissolved at room temperature shock to clear transparent, does not affect the use of the product effect.

4. This reagent is for research use only.

