

## Treatment (1000×) - Mycoplasma Elimination Reagent

### Product Information

Product Name	Cat#	Specification
Treatment (1000×) - Mycoplasma Elimination Reagent	40607ES03	1 mL
	40607ES08	5×1 mL

### Product Description

In the process of cell culture, regular detection can effectively avoid mycoplasma contamination, but if the cells have been contaminated by mycoplasma, they need to be treated in time. The best treatment principle is to discard the cells after autoclaving to avoid contamination of other clean cells. If contaminated cells are precious, mycoplasma contamination must be removed. Because mycoplasma lacks a cell wall, traditional antibiotics are generally ineffective. This product is an improved mixed preparation specially used for mycoplasma removal. It can achieve a good mycoplasma removal effect by inhibiting the synthesis of DNA and related proteins necessary for the growth of mycoplasma without harm to cells, saving your precious to the greatest extent. cells, reducing losses due to mycoplasma contamination.

### Instructions

- 1) Make sure the cap is sealed before use, thaw to room temperature, vortex gently and wipe the surface of the bottle with 70% ethanol before placing it on a clean bench.
- 2) Treat cells with Treatment solution as follows:
  - a. After contaminated cells are divided, add 10  $\mu$ l of Treatment solution to every 10ml of culture medium for 7 days, and add Treatment solution in the same proportion when the medium needs to be changed.
  - b. After 7 days of cell culture, change to medium without mycoplasma removal solution and culture for 2 days. Take 10  $\mu$ l of cell culture supernatant for mycoplasma detection to check the removal effect.

#### 【Notes】

- 1) Since different cells have different tolerance to this product (in most cases, the cytotoxicity is very small), if the product shows toxicity to cells or slows down cell growth during use, it can be diluted 1:2000 before use.
- 2) If the mycoplasma contamination is serious and the mycoplasma cannot be completely removed by adding the removal reagent for 7 days, the treatment time can be appropriately extended.
- 3) After processing, it is recommended to use Color One-Step Rapid Mycoplasma Detection Kit (Yeasen Cat. No. 40611) or GMyc-PCR Mycoplasma Detection Kit (Yeasen Cat. No. 40601) to detect the removal effect.

### Shipping and Storage

All the components are shipped with ice packs and can be stored at -20°C for 18 months. If it will not be used for a long time, please keep it away from light.

### Cautions

- 1) Please read this manual carefully before using this reagent.
- 2) The entire experiment should be standardized, including the preparation of the reaction system, sample processing and sample addition.
- 3) For your safety and health, please wear a lab coat and disposable gloves for operation.

4) For research use only!