



The **BEST** for
Life Science

TransSafe™ Mycoplasma Prevention Reagent

Highly effective reagent to remove mycoplasma with low cytotoxicity

Cat. No. FM501

Storage at -20°C in dark for 18 months.

Description

TransSafe™ Mycoplasma Prevention Reagent are ready-to-use concentrated stock solutions composed of three mycoplasma antibiotics, including macrolide, fluoroquinolone and tetracycline antibiotics, which can effectively interfere with DNA replication and protein expression of mycoplasma. This product can effectively prevent mycoplasma contamination during cell culture process, and also has a good effect on the prevention of common gram-positive and gram-negative bacteria. In the daily cell culture, it can be used as the substitute of common penicillin and streptomycin antibiotics. It has the advantage of low active working concentration and low cytotoxicity.

Feature and advantages

- Prevent mycoplasma contamination effectively.
- Active at low working concentration and low cytotoxicity, suitable for a wide range of cell types.
- Ready to use. Add to the culture medium directly.
- An alternative with wide range of effects to the prevention of common gram-positive and gram-negative bacteria.

Kit Contents

Component	FM501-01	FM501-02
TransMycoPre (1000×)	1 ml	5×1 ml

Procedures

After thawing and mixing well, add TransMycoPre (1000×) into the culture medium without penicillin and streptomycin antibiotics with the ratio of 1:1000. When performing cell passage or cell medium replacement, replace the original medium with medium containing TransMycoPre. During the culture process, the cells can be tested for mycoplasma contamination to obtain the preventive effect. It's highly recommended to use the *TransDetect*® Luciferase Mycoplasma Detection Kit (Cat. No. : FM301) or *TransDetect*® PCR Mycoplasma Detection Kit (Cat. No. : FM311) for the detection of mycoplasma.

Notes

- It is suggested that the *TransSafe*™ Mycoplasma Prevention Reagent is used to replace the penicillin and streptomycin antibiotics when the mycoplasma-free cells are cultured.
- *TransSafe*™ Mycoplasma Prevention Reagent has been shown to be a good way to prevent the contamination of mycoplasma in a variety of cell lines, including HepG2, HEK-293T, HEK-293, HeLa, N2a, A549, MCF-7, CHO, K562, NIH/3T3, Sp2/0, BHK-21, Vero, U937, SH-SY5Y etc. It also has good effect on the primary culture of the cells with low cytotoxicity.
- Prior to use, ensure that the bottle cap is sealed. Thaw it to room temperature. Mix gently and use 70% ethanol to wipe the bottle surface, and then put on the super clean bench.
- Small aliquots stored at -20°C is recommended. Avoid repeated freezing and thawing. It should be added to the culture medium fresh. It can be stored at 4°C within a week for the short term storage.

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