

## Mycoplasma Removal Reagent (50x)

#GTC11.0100  
(for research only)

If untreated, mycoplasma contamination can lead to reduced cell growth and to loss of cell cultures. Mycoplasma Removal Reagent is a highly efficient antibiotic that at low concentration exhibits toxicity towards a broad range of mycoplasma subspecies, by interference with the DNA replication machinery. This product is for the treatment of mycoplasma contaminated cell cultures and is provided as a ready-to-use 50x concentrate.

### Specifications

<b>Quantity:</b>	100 ml
<b>Appearance:</b>	transparent solution
<b>Sterility:</b>	tested
<b>Cell Culture:</b>	tested in Vero Cells
<b>Endotoxin:</b>	≤ 10EU/ml
<b>Storage:</b>	-20°C. Once defrosted, store at +2°C-8°C for up to 4 weeks. If needed, one can freeze the solution again, promptly after using. For this, aseptically prepare aliquots of convenient volume, as repeated freeze/thaw cycles should be avoided.

### Protocol:

Remove culture medium from vessels, wash cells and detach cells using Trypsin/EDTA (#GTC02.0100) or Accutase® (#GTC01.0100). Count cells and cultivate in fresh medium supplemented with Mycoplasma Removal Reagent (1ml per 50ml of culture medium) and cultivate for 2 to 3 days according to normal procedure. Mycoplasma Removal includes 3 or more passages. It is highly recommended to check cultures weekly for mycoplasma contamination (e.g. by ELISA, cultivation, or Fluorescence staining). Normally, mycoplasma contamination should be removed after 2 or 3 weeks. If required, repeat treatment with increased Mycoplasma Removal Reagent (1ml per 40ml, 1ml per 30ml, 1ml per 25ml).

### Note:

Presence of Mycoplasma can also be detected by PCR. However, it should be taken into account that PCR cannot distinguish between living and dead cells, and thus that one might obtain false positive results.

### GRISP Research Solutions

Rua Alfredo Allen, 455  
4200-135 Porto  
Portugal  
[www.grisp.pt](http://www.grisp.pt) | [info@grisp.pt](mailto:info@grisp.pt)