Mycoplasma Removal Reagent (50X solution)

#GTC11.0100 (100ml)
(FOR RESEARCH ONLY)

Product: 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.

Quantity: #GTC11.0100 comprises 100ml of a 50X concentrated ready-to-use mycoplasma removal reagent.

Applications: Antibiotic(s) for Cell Culture.

Appearance: Clear colourless solution.

Specifications:

Cell Culture:	tested in Vero Cells
Endotoxin:	≤10 EU/ml
sterility:	sterile

Storage: Store at -20°C for up to 2 years. Once defrosted, store at 2°C to 8°C for up to 4 weeks. If needed, once can freeze the solution again, promptly after using. For this, aseptically prepare aliquots of convenient volume, as repeated freeze/thaw cycles should be avoided.

Usage:

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.