

MycoXpert, Mycoplasma Removal Reagent (50x)

General information

Mycoplasma, first discovered in 1898, was firstly classified as virus. There are more than 100 known species belonging to the genus Mycoplasma. They are the smallest free-living, self-replicating organisms and lack a cell wall so that antibiotics such as penicillin, which interfere with murein formation, are not effective. If not treated, mycoplasma contaminations can lead to diminished cell growth and to the loss of cultures.

MycoXpert is a high efficient antibiotic active at low concentration for a broad range of mycoplasma subspecies. It acts by interference with the DNA replication machinery and thus inhibiting mycoplasma growth. Mycoplasma Removal Reagent is provided as a 50x concentrate.

Product specifications

pH	4.0 – 4.5
Endotoxin	≤10 EU/ml
Cell Culture	Tested
Sterility	Tested
Storage	Store at ≤-15 °C. Avoid repeated freeze-thaw cycles.

Procedure

Treatment with Mycoplasma Removal Reagent includes three or more cycles (passages). It is recommended to check the culture every week for presence of mycoplasma (e.g. ELISA, fluorescence staining or PCR). Please note, that using PCR for detection may lead to false positive results during treatment with Mycoplasma Removal Reagent since this method cannot distinguish between living and dead mycoplasma. We recommend using PCR as detection method only approx. 2 weeks after treatment with Mycoplasma Removal Reagent in order to avoid false positive results.

Normally mycoplasma will be removed after 2 to 3 weeks.

Precautions and disclaimer

This product is for research use only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Ordering information

Catalogue number	Pack size
LTA _n B-L03	100 ml

Document version: v1.0. Copyright © 2026 LT Biotech, UAB. All rights reserved. Any redistribution or reproduction of part or all the content in any form is prohibited without the express written permission of LT Biotech, UAB.