

Product Information

MycoXpert, Mycoplasma Removal Reagent (50x)
Cat. No. MYX-B (100 ml)

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 bacteria 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 highly 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. MycoXpert is provided as a 50x concentrate.

Product Specifications

Appearance	Clear frozen liquid
Storage and shelf life	Store at $\leq -15^{\circ}\text{C}$. Avoid repeated freeze-thaw cycles. Preparation of aliquots recommended. Once opened, store at $+4^{\circ}\text{C}$ and use within 4-6 weeks.
Shipping conditions	Frozen (Dry ice)
Thawing	Overnight at $+2^{\circ}\text{C}$ to $+8^{\circ}\text{C}$. Swirl gently to homogenize.
Working concentration	Recommended final concentration: 1x

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Therefore dilute the stock solution 1 : 50 (Dilution 1)

Example: Add 10 ml MycoXpert to 500 ml base medium.

If required increase MycoXpert concentrations as follows in different subsequent steps:

Dilution 2: 1 : 40

Dilution 3: 1 : 30

Dilution 4: 1 : 25

Instructions for Use

Dilution 1 (1 : 50):

1. Remove culture medium from culture vessels, wash cells with PBS and detach cells using Trypsin or Accutase.
2. Count cells and plate in fresh medium (with MycoXpert).
3. Cultivate cells for 2 to 3 days in the usual way.
4. Repeat the passaging cycle at least twice.
5. Check for mycoplasma contamination (Staining method, cultivation or ELISA).
6. If mycoplasma positive, check methods (positive and negative controls and evaluate).
7. If required repeat treatment with increased MycoXpert concentrations (Dilution 2, Dilution 3 or Dilution 4).

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Precautions and Disclaimer

The product is for research and further manufacturing only.

Help Needed?

If you have any further questions regarding this product, please do not hesitate to contact our cell culture experts by email (techservice@capricorn-scientific.com) or phone (+49 6424 944640).