



MycoXpert

Efficient Mycoplasma Elimination with Maximum Cell Preservation

Mycoplasma contamination is a critical issue in many cell cultures. Due to their small size and lack of a cell wall, mycoplasmas often go undetected while altering gene expression, cellular signaling, and overall cell physiology. Capricorn Scientific's MycoXpert efficiently removes mycoplasmas from cell cultures without affecting cell viability and growth.

KEY BENEFITS OF MycoXpert?

» Broad-Spectrum Activity

Effective against over 100 known mycoplasma species, including antibiotic-resistant and commonly encountered strains (e.g., *M. hyorhinitis*, *M. orale*, *A. laidlawii*)

» Rapid Effectiveness

PCR-based testing typically confirms complete mycoplasma clearance after only 2–3 passages

» Low Cytotoxicity

Well tolerated by a wide range of eukaryotic cell lines, including sensitive primary cells

» Proven Performance and Support

Extensively validated in research and bioproduction; backed by technical support from Capricorn Scientific

» Ready To Use

Sterile 50× concentrate: just dilute and apply. No prep needed

MYCOPLASMA CONTAMINATION IN CELL CULTURES: A PERSISTENT AND UNDERESTIMATED RISK

Mycoplasma contamination can originate from raw materials, cell lines, or media, compromising data integrity and product safety. Early detection is key to protecting culture quality and ensuring regulatory compliance.

MycoXpert efficiently removes multiple mycoplasma strains from cell cultures:



Fig. 1 Mycoplasma detection via PCR in a HeLa cell line.

Control: A single control band at 200 bp, indicating absence of mycoplasma. Two bands at 200 bp and 450 bp, indicating mycoplasma presence.

Before MycoXpert treatment: 200 bp and 450 bp bands, indicating mycoplasma successhell.

After MycoXpert treatment: only the 200 bp band, suggesting mycoplasma reduction or elimination.

**Mycoplasma-free cell culture begins with consistent prevention – start with MycoXpert.
MycoXpert – 50× concentrate for targeted Mycoplasma elimination in cell cultures.**

ORDER INFORMATION

PRODUCT

MycoXpert

Mycoplasma Removal Reagent (50x)

VOL. CAT.NO.

100 ml MYX-B



SCAN FOR MORE
INFORMATION

For further support, feel free to contact our experts at techservice@capricorn-scientific.com or phone (+49 6424 944 64 0).

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