

Mynox® – the most effective reagent against mycoplasma

Free of antibiotics!

Mynox® is the first biological reagent that eliminates mycoplasma by killing them, and not just by inhibiting growth. Mynox® is the only anti-my-

coplasma agent that can be used to clean virus stocks and most eukaryotic cell cultures directly. The cytotoxicity of Mynox® is extremely low.

Product	Cat. No.	Treatments
Mynox®	W 10-0200	2
Storage temperature: +2 – +8 °C	W 10-0500	5
	W 10-1000	10

Benefits of Mynox®

- **Highly effective**

Mynox® is effective against *M. orale*, *M. hyorhinis*, *M. hominis*, *Acholeplasma laidlawii*, *M. arginini*, *M. fermentans*, and other mycoplasma species usually encountered as contaminants in cell cultures.

- **Non-antibiotic solution**

Mynox® is not an antibiotic; its activity is based on a biophysical mechanism, thus there is no development of resistant strains.

- **Ease of use**

Mynox® has been shown to be effective with only one treatment, where mycoplasma are permanently destroyed within 2 – 3 hours.

- **Universal**

Mynox® is applicable for most cell lines (e.g. Vero, BHK21, GBK, ML, Hep2, 293, CRFK, H9, Molt4, MT-4, Jurkat) as well as virus stocks (e.g. SHV-1, BHV-1, HSV-1, VSV, SFV, FCV, MEV).

- **Temperature stable, ready-to-use solution**

No additional dosing during the treatment necessary.

- **Kills mycoplasma, but safe for cells**

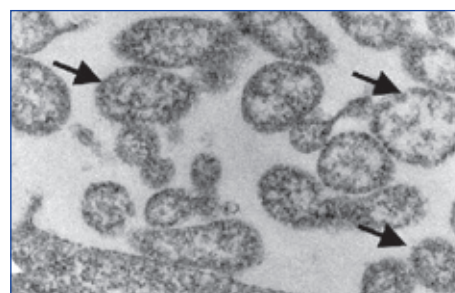
Mynox® is the first biological reagent that eliminates mycoplasmas by killing them, and not just by inhibiting growth. The cytotoxicity of Mynox® is comparably low.

Background

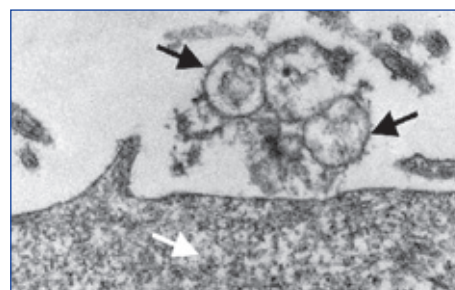
For both biological and economical reasons, it is important to eliminate mycoplasma from cell cultures used for basic research, diagnosis, quality testing, and biotechnological production. The most commonly used method for elimination, inactivation, or suppression of mycoplasma in cell cultures is treatment with antibiotics. In general, antibiotic therapies do not result in long-lasting, successful elimination. Also, the cytotoxic properties of antibiotics can cause undesirable side effects on eukaryotic cells and can facilitate the development of resistant mycoplasma strains. The new Mynox® method for mycoplasma elimination overcomes all of these drawbacks with its unique features as compared to other methods and products.

Fig. 7: Effect of Mynox® on mycoplasma

Electron micrographs of mink lung cells (ML cells), contaminated with *Mycoplasma hyorhinis*



control



optimal dose