



BioMycoX[®]

Mycoplasma Prevention Spray

Version:2.0

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Instruction Manual

Cat. No. P-500, P-1000

Research Use Only. Not for Use in Diagnostic Procedures.

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1. Product Information

Introduction

When mycoplasma contamination occurs during cell culture, various negative effects may arise, including slow cell growth and changes in cell morphology or functionality. These alterations can impact both cell survival and function, ultimately compromising the accuracy of experimental results. While mycoplasma contamination typically occurs at a low probability, once it takes place, it can easily spread throughout the entire cell culture system in the laboratory.

Contamination is primarily attributed to negligence in handling experimental equipment, laboratory tables, and other factors, underscoring the critical importance of managing the laboratory environment. Therefore, a crucial preventive measure against mycoplasma contamination is the periodic cleaning and disinfection of experimental equipment, instruments, and laboratory tables.

BioMycoX[®] Mycoplasma Prevention Spray is a dedicated disinfectant designed for mycoplasma prevention. This product effectively prevents mycoplasma contamination and safely preserves cells during cell culture.

Description

- BioMycoX[®] Mycoplasma Prevention Spray contains BioMyco-X, a substance that inhibits not only mycoplasma but also viruses, bacteria, fungi, and yeast. BioMyco-X is a natural material that is safe for the human body, allowing for the secure prevention of cell lines from contamination by microorganisms.
- BioMycoX[®] Mycoplasma Prevention Spray contains alcohol and is generally suitable for use as a disinfectant or cleaner in the laboratory. Its excellent mycoplasma antibacterial properties make it highly effective in preventing mycoplasma contamination.
- BioMycoX[®] Mycoplasma Prevention Spray can be used to disinfect the surfaces of laboratory equipment, including clean benches, incubators, workbenches, cell storage boxes, and liquid nitrogen containers.

Instructions for Use

- Spray the Mycoplasma Prevention Spray on laboratory equipment and instruments, then wipe them clean with a paper towel.
- For hard-to-reach areas, apply the product onto a paper towel and use it to wipe the contaminated surfaces.
- Avoid using this product on equipment or instruments sensitive to alcohol, as it contains alcohol.

Precautions for Use

- Avoid eye contact during use.
- Use gloves, a mask, safety glasses, or other personal protective equipment.
- For research use only, not for medical purposes.
- Avoid prolonged use in enclosed spaces.
- Store in a well-ventilated, cool place at room temperature.
- Keep away from open flames.

Hazardous/Risk classification



For detailed information, refer to the MSDS.

2. Contents and Storage

Materials Provided

Label	P-500	P-1000
BioMycoX® Mycoplasma Prevention Spray	500 ml	1000 ml

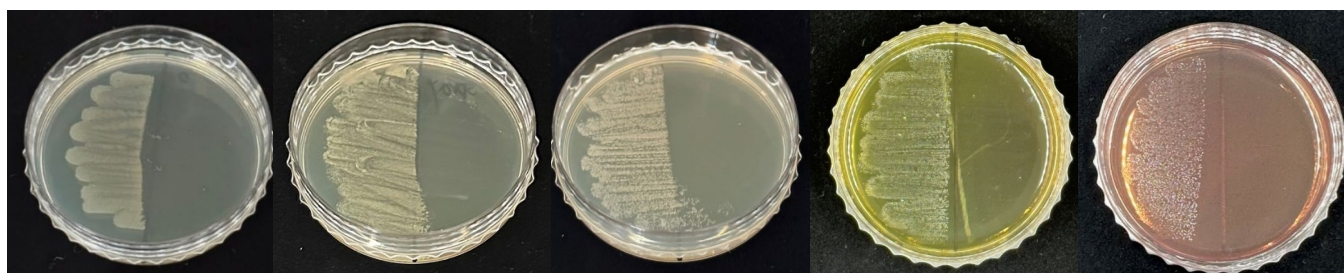
Storage

Upon receipt, store at room temperature.

3. Results

Antibacterial Test

To test the antibacterial efficacy of BioMycoX® Mycoplasma Prevention Spray against not only six species of mycoplasma but also bacteria and yeast, each strain was streaked onto solid media. The surface of the solid media was divided in half, and the spray was applied to only one side for cultivation. The portion treated with the spray showed no microbial growth, while the untreated portion exhibited robust microbial growth. This observation confirmed the antibacterial effectiveness of BioMycoX® Mycoplasma Prevention Spray.



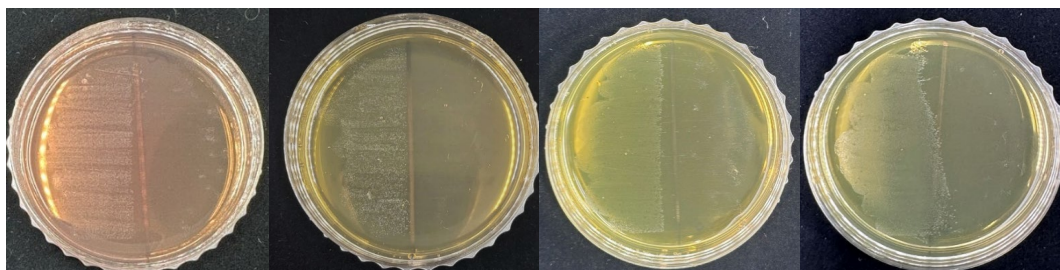
Gram-positive bacteria
(*Escherichia coli*)

Gram-negative bacteria
(*Micrococcus luteus*)

Yeast
(*Candida albicans*)

Acholeplasma
laidlawii

Mycoplasma
arginini



Mycoplasma
orale

Mycoplasma
pneumoniae

Mycoplasma
fermentans

Mycoplasma
hyorhinis