

Mycoplasma Contamination

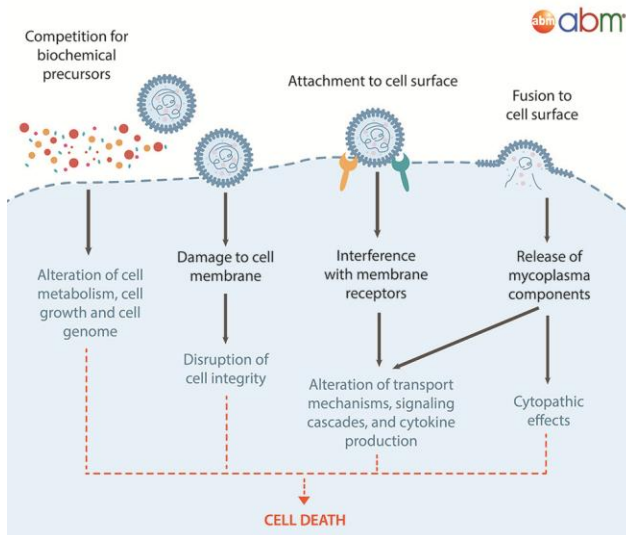


Mycoplasma Contamination: A Critical Issue in Cell Culture

Mycoplasma contamination is a significant concern in cell culture due to its ability to alter cell behavior, affect experimental results, and remain undetected by routine microscopic examination. With mycoplasma being so widespread, proper detection and control are essential to safeguard the integrity of your cell culture practices.

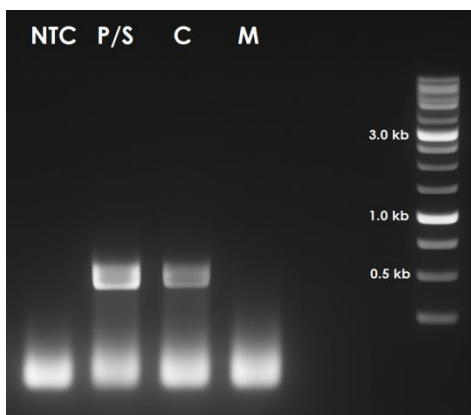
Why Mycoplasma Contamination Control Is Critical:

- **Impact on Cell Growth:** Mycoplasma can inhibit or disrupt growth, leading to inconsistent, unreliable results.
- **Changes in Cell Physiology:** Contaminated cells may exhibit altered gene expression, metabolism, and protein production, skewing experimental outcomes.
- **Misleading Experimental Results:** Mycoplasma can go undetected and yield inaccurate or unreliable data.

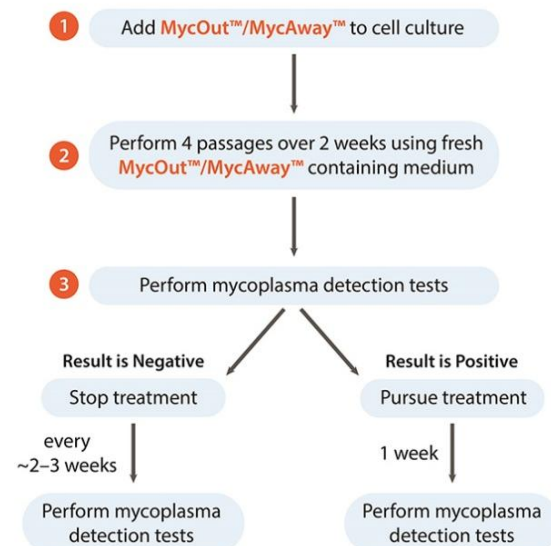


Easy to Use and Ultra Effective in Under 2 Weeks

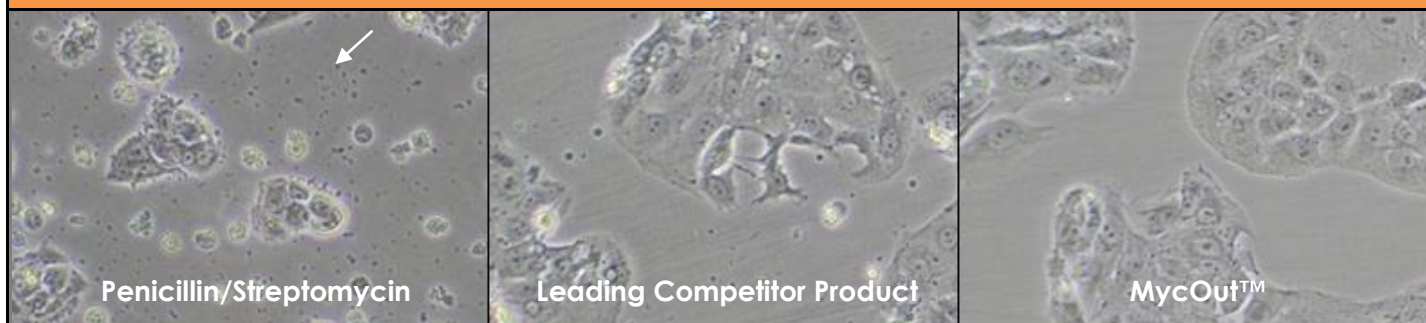
abm's **MycOut™** (M) is simple yet effective against mycoplasma contamination, resulting in better clearance of mycoplasma compared to the leading competitor's product (C) and Penicillin/Streptomycin (P/S), as assessed by microscopy and by the **Mycoplasma PCR Detection Kit** where a 0.5 kb band indicates mycoplasma presence.



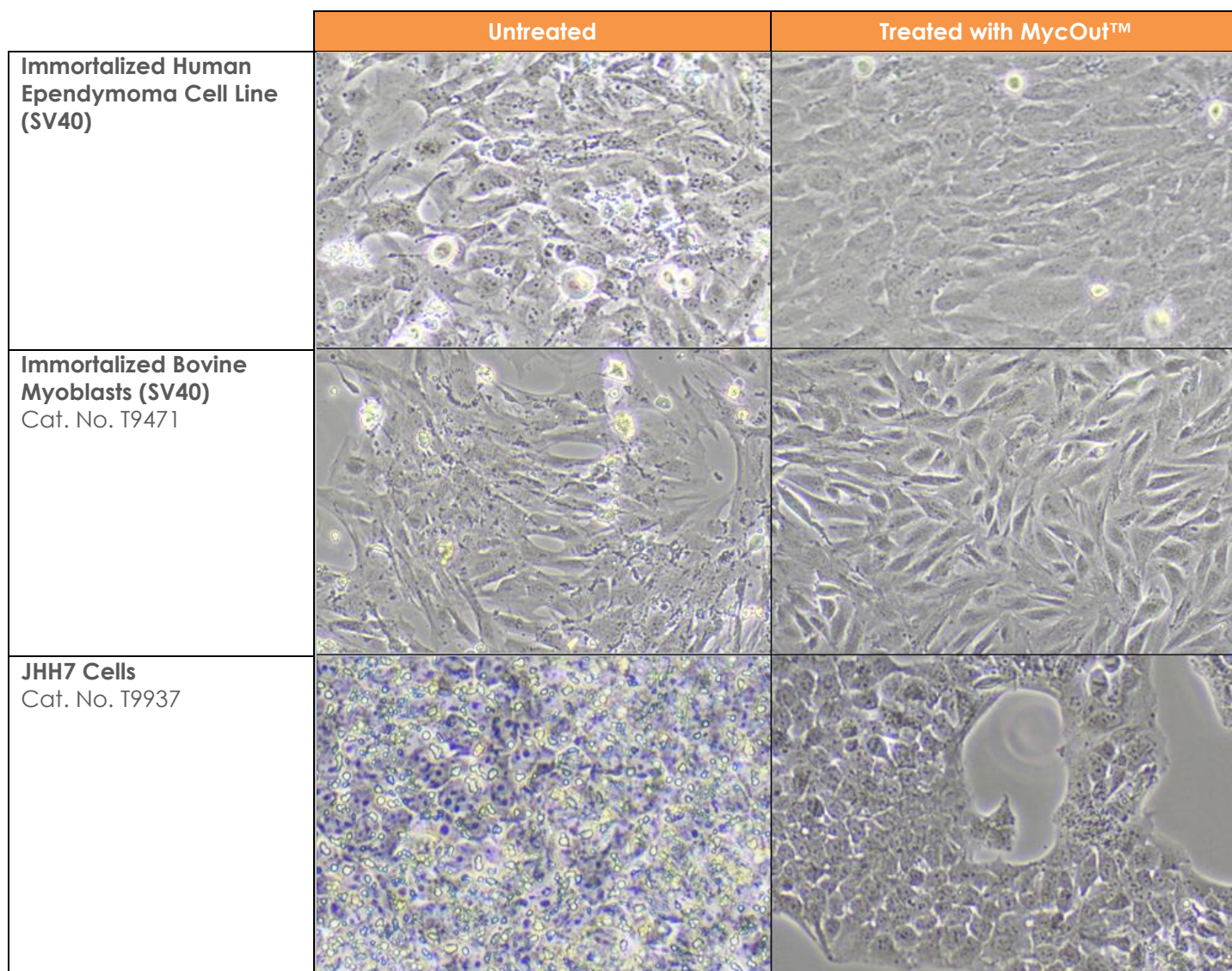
Cell culture treatment using MycOut™/MycAway™



Treatment of Mycoplasma Contamination in BeWo Cells by Various Antimicrobial Agents for 2 Weeks



Mycoplasma Contamination



Following 2 weeks of MycOut™ treatment and passaging, mycoplasma-contaminated cultures displayed improved growth and restored cell morphology compared to untreated cultures.

Application	Product	Cat.No.	Mycoplasma	Bacteria	Quantity
Prevention	MycoAway™	G398	✓	✓	1 x 1 ml (for 2 L culture)
	MycOut™	G7001	✓	✓	2 x 1 ml (for 4 L culture)
Detection	Mycoplasma PCR Detection Kit	G238	✓		1 Kit (100 rxn)
	Mycoplasma Pro PCR Detection Kit	G239	✓		1 Kit (100 rxn)
	Mycoplasma qPCR Detection Kit	G240	✓		1 Kit (100 rxn)
Elimination	MycoAway™	G398	✓	✓	1 x 1 ml (for 1 L culture)
	MycOut™	G7001	✓	✓	2 x 1 ml (for 2 L culture)

abm's antimicrobial agents can be used as a prophylactic and elimination treatment against contamination.