ELIMINATION OF MYCOPLASMA

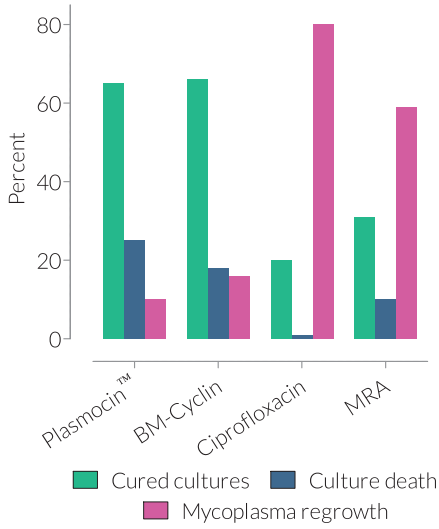
Plasmocin™

For preventive and removal treatments

- Effective: Kills all common mycoplasma strains
- Fast: Rescues cell cultures in 2 weeks
- Safe: No to little toxicity on mammalian cells

Plasmocin™ is a frequently cited mycoplasma removal agent[1-5], that is effective against all common mycoplasma strains, both extracellular and intracellular. For maximum efficiency, Plasmocin™ contains a formulation of two antibiotics: the first one blocks protein synthesis, and the second one stops DNA replication. Another component, which is actively transported into mammalian cells, ensures that following treatment, cell cultures do not become re-infected. Thus, Plasmocin™ is more effective than other reagents on the market in eradicating mycoplasma and preventing resistant strain generation[1].

Plasmocin™ prophylactic is a product at optimal concentration that can be used on a regular basis to prevent mycoplasma contaminations.



Adapted from Molla Kazhemiha V. et al., Cytotechnology (2011).

Plasmocin™ treatment is intended for mycoplasma elimination within 2 weeks. Many infected cell lines have been successfully treated with Plasmocin™, including cancer cell lines[3], virus-producing cells[4], induced pluripotent stem cells[5], and human embryonic stem cells[6] with no permanent alterations.

TOP5 REASONS to use Plasmocin™

1. *Plasmocin™ efficiently eliminates the mycoplasma species responsible for 95% of cell culture contaminations.*
2. *Plasmocin™ is active on both extracellular and intracellular mycoplasma.*
3. *Plasmocin™ does not interfere with common selective antibiotics such as G418, blasticidin, puromycin, hygromycin B, and Zeocin™.*
4. *Plasmocin™ prophylactic can be used routinely in liquid media to prevent mycoplasma, as well as more general bacterial contamination in mammalian cell cultures.*
5. *Plasmocin™ is frequently cited in research articles (> 220 citations in 2018. Google Scholar)*

www.invivogen.com/plasmocin

No single antibiotic can kill 100% of mycoplasma in cell culture.

Plasmocin™ is the sole anti-mycoplasma reagent that combines two antibiotics from distinct families in a single ready-to-use product.

FAQs

Q: Can I use Plasmocin™ prophylactic during the initial culture phase before making my frozen stocks?

A: Yes, it is even recommended. However, it is necessary to check that the cells are not contaminated beforehand using PlasmoTest™.

Q: Is Plasmocin™ suitable for the elimination of mycoplasma in insect cells?

A: Plasmocin™ is suitable for Sf9 cells, and should suit other insect cells.

Q: What to use? Plasmocin™ or Plasmocure™?

A: If your cells tested positive for mycoplasma, we recommend starting a treatment with Plasmocin™. Plasmocure™ should be used in the case of resistance to Plasmocin™, which is extremely rare.