Myco-OFF (Spray)

Laboratory Contamination Control

Catalogue # LS103

Description Mycoplasmas are the most serious and widespread of all the biological contaminants, due to their low detection rates and their effect on mammalian cells. Given their unique characteristics such as much smaller size than most bacteria (<0.3 μm) and lack of a cell wall, so they can grow to high densities without causing attention even in the presence of common antibiotics. Mycoplasmas are extremely detrimental to cell culture by affecting the metabolism and morphology of host cells, by causing chromosomal aberrations and damage, and by provoking responses to experimental treatments. Worldwidely, mycoplasma contamination levels have been found to be between 30% and 80% and >75% in China according to our recent survey.

A solution for cleaning and elimination of mycoplasma contamination from laboratory surfaces and apparatus, including clean benches, incubators, work benches, cell storage boxes, and liquid nitrogen containers.

Properties Alkaline solution

Pack Size 500 ml

Stability Store at room temp., stable for one year from the date of shipment.

Application Mycoplasma disinfection from glass, plastic, metal, bench-top surfaces, cell culture hood and incubator

Safty Prolonged exposure to this product may cause skin irritation, eye/nasal irritation, dizziness.
Keep this product from fire.
Proper protections (gloves, goggle and lab coat) are strongly recommended.

References:

1. Lincoln, C.K. and M.G. Gabridge, "Cell Culture Contamination: Sources, Consequences, Prevention, and Elimination," Methods in Cell Biology. 1998, Vol. 57, p. 49.
2. Drexler, H.G. and C.C. Uphoff, "Mycoplasma Contamination of Cell Cultures: Incidence, Sources, Effects, Detection, Elimination, Prevention," Cytotechnology. 2002, Vol. 39, p. 75.
3. Nardone, R.M., "Eradication of Cross-Contaminated Cell Lines: A Call for Action," Cell Biology and Toxicology. 2007, Vol. 23, p. 367.
4. Armstrong, S.E., J.A. Mariano and D.J. Lundin, "The Scope of Mycoplasma Contamination within the Biopharmaceutical Industry," Biologicals. 2010, Vol. 38, p. 211.