



# De-Plasma™ II

## PRODUCT DATA SHEET

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**Product Name:** De-Plasma™ II

**Product Number:** D030

**CAS Number:** N/A

**Molecular Formula:** N/A

**Molecular Weight:** N/A

**Description:** De-Plasma™ II is a potent and safe anti-*Mycoplasma* reagent which can be used to eliminate *Mycoplasma* contamination or can be used prophylactically to prevent contamination. It consists of a proprietary mixture of five antimicrobial compounds with three separate anti-*Mycoplasma* targets. It is non-toxic to most cell lines with an ED<sub>50</sub> ten times larger than the treatment concentration.

*Mycoplasma* belong to a unique genus of bacteria that lack cell walls. Their small size and ubiquitous distribution account for their ability to go undetected in seemingly sterile cell cultures, but ultimately cause alterations in cell characteristics and processes, leading to inaccurate experimental conclusions.

**References:** Drexler, HG (2002) *Mycoplasma* contamination of cell cultures: Incidence, sources, effects, detection, elimination, prevention. Cytotechnol. 39(2):75-90

Van Kuppeveld, FJM (1994) Detection of *Mycoplasma* contamination in cell cultures by a *Mycoplasma* group-specific PCR." Appl. Environ. Microbiol. 60(1): 149-152

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