



De-Plasma™ PRODUCT DATA SHEET

issue date 01/06/2020

Product Name:	De-Plasma™
Product Number:	D022
CAS Number:	N/A
Molecular Formula:	N/A
Molecular Weight:	N/A
Form:	Powder
Appearance:	Light to beige colored powder
Solubility:	Water: 20 mg/mL
Source:	Mixture
Storage Conditions:	2-8 °C
Description:	<p>De-Plasma™ is a potent and safe anti-<i>Mycoplasma</i> reagent which can be used to eliminate <i>Mycoplasma</i> contamination or can be used prophylactically to prevent contamination. It consists of a proprietary mixture of three antimicrobial compounds with anti-<i>Mycoplasma</i> properties.</p> <p><i>Mycoplasma belong to</i> 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.</p>
Microbiology Applications	DePlasma™ II is a safe, effective anti- <i>Mycoplasma</i> reagent to avoid or eliminate <i>Mycoplasma</i> contamination. Use at 5 µg/ml for primary cells in culture and 2.5 µg/ml for prophylactic use.
References:	<p>References for De-Plasma:</p> <p>Bdarny M et al (2018) The AP-1 complex regulates AXL expression and determines sensitivity to P13Ka inhibition in esophagus and head and neck squamous cell carcinoma. doi: https://doi.org/10.1101/415752</p> <p>Elkabets M et al (2015) AXL mediates resistance to PI3Kalpha inhibition by activating the EGFR/PKC/mTOR axis in head and neck and esophageal squamous cell carcinomas. <i>Cancer Cell</i>. 27(4):533-546</p> <p>Other:</p> <p>Drexler, HG (2002) <i>Mycoplasma</i> contamination of cell cultures: Incidence, sources, effects, detection, elimination, prevention. <i>Cytotechnol</i>. 39(2):75-90</p> <p>Van Kuppeveld, FJM (1994) Detection of <i>Mycoplasma</i> contamination in cell cultures by a <i>Mycoplasma</i> group-specific PCR." <i>Appl. Environ. Microbiol</i>. 60(1): 149-152</p>

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