

# TOKU-E Protocol: De-Plasma™ II

(For primary cell lines and prophylactic use)



## PRODUCT INFORMATION

<b>Product name</b>	De-Plasma™ II
<b>Item #</b>	D030
<b>Format</b>	10 mg/vial
<b>Storage temp.</b>	4°C
<b>Shelf life</b>	1 year

## General Application

De-Plasma™ II is designed to eliminate *Mycoplasma* contamination from cultured cell lines. It can also be used prophylactically to protect cultured cells from future *Mycoplasma* contamination.

## Description

De-Plasma II is a cell culture treatment that consists of a proprietary mixture of five unique antimicrobial compounds with three separate anti-*Mycoplasma* targets. 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. De-Plasma II is non-toxic to most cell lines with an ED<sub>50</sub> 10x larger than the treatment concentration.

## Method

De-Plasma II can be added directly to the bottle of culture medium or to the flask containing the cells. It is recommended that a stock solution of 10 mg/ml be made of De-Plasma II. Sonicate De-Plasma II solutions for 2-5 minutes to ensure complete dissolution.

*Decontamination period:* four passages (ie media changes). This will take a duration of 2-3 weeks of treatment depending on your cell growth.

## Working concentrations:

*Working conc. for primary cell lines:* 20 µg/ml

*Working conc. for prophylactic use:* 10 µg/ml

Usage Note: Based on your cell line sensitivity, you may need to use a higher concentration of treatment media to achieve *Mycoplasma*-free cultures.