

Save 20% on Select Contamination Control Antimicrobials!



ABOUT TOKU-E COMPANY

TOKU-E Company is an ISO 9001:2008 certified company with over 25 years of experience and expertise in antimicrobial fermentation, manufacturing, and purification technologies. TOKU-E Company is a primary manufacturer of research antimicrobials for use in numerous *in vitro* applications including eukaryotic cell culture, microbiology, plant biology, virology, and cancer research. As a global supplier to scientists and notable life science companies, TOKU-E Company is committed to manufacturing antimicrobials of the highest quality and consistency to facilitate reproducible and meaningful research around the world.

CELL CULTURE CONTAMINATION

Contamination of cell cultures is a very common but serious issue in cell culture laboratories around the world. Contamination may arise from impurities in contaminated reagents, poor aseptic technique, and cross contamination by other cells used in the lab. Biological contaminants include bacteria and fungi (yeasts and molds) which thrive in nutrient rich cell culture media. The most common biological contaminant is the highly contagious and ubiquitous organism, Mycoplasma. Many studies have shown that a high percentage of cell cultures around the world are contaminated with Mycoplasma which is capable of altering cellular metabolism, protein synthesis, morphology, and most importantly, experimental data.

Click any product name below for pricing and more information.

*Offer valid until 4/30/17

CONTAMINATION CONTROL



Amphotericin B EP & USP

Amphotericin B is a polyene antimycotic compound used in culture media to prevent and inhibit fungal growth. Amphotericin B should be used at a concentration range from 0.25 - 2.50 µg/mL

- [Amphotericin B, USP](#)
- [Amphotericin B, EP](#)



DePlasma II™

DePlasma™ II is an anti-*Mycoplasma* cell culture treatment that consists of a proprietary mixture of five unique antimicrobial compounds with three separate anti-*Mycoplasma* targets. DePlasma™ II is non-toxic to most cell lines with an ED50 ten times larger than the treatment concentration.

- [DePlasma II™](#)



Antibiotic-Antimycotic Solution (100X)

This solution has a broad spectrum of activity against bacteria and fungi in cell culture. Antibiotic-antimycotic solution contains penicillin (10,000 units/mL), streptomycin (10,000 µg/mL), and amphotericin B (25 µg/mL) in 0.9% NaCl, and should be used at ≤10 mL/L in cell culture media.

- [Antibiotic-Antimycotic Solution \(100X\)](#)



Gentamicin sulfate (50 mg/mL)

Gentamicin sulfate solution (50 mg/mL) is an aminoglycoside antibiotic solution suitable for use in cell culture to prevent and control bacterial cell culture contamination. This solution should be used in culture media at concentrations from 0.5 - 50 µg/mL.

- [Gentamicin sulfate \(50 mg/mL\)](#)



Chloramphenicol

Chloramphenicol is a bacteriostatic antibiotic that inhibits bacterial protein synthesis, and can be used in cell culture media to prevent or eliminate bacterial contamination. Chloramphenicol should be used at a concentration of 5 µg/mL in eukaryotic cell culture.

- [Chloramphenicol, USP](#)



Kanamycin sulfate, USP

Kanamycin sulfate is an aminoglycoside antibiotic with a broad spectrum of activity, and can be used to control bacterial contamination in cell culture.

- [Kanamycin sulfate, USP](#)



Ciprofloxacin

Ciprofloxacin is a broad-spectrum fluoroquinolone antibiotic with a broad spectrum of activity.

Ciprofloxacin can be used to clear or prevent bacterial contamination including *Mycoplasma* in cell culture. Ciprofloxacin should be used at a concentration of 10 µg/mL.

- [Ciprofloxacin](#)
- [Ciprofloxacin HCl](#)



Nystatin

Nystatin is a fungicidal and fungistatic polyene antimycotic compound and can be used in mammalian and plant cell cultures to eliminate fungal contamination.

- [Nystatin](#)



Penicillin-Streptomycin (100X)

Penicillin-streptomycin (Pen/Strep) is an antibacterial solution comprised of penicillin and streptomycin in 0.9% NaCl. Penicillin-streptomycin solution is routinely used in eukaryotic cell culture to prevent or control contamination caused by Gram-positive or Gram-negative bacteria.

- [Penicillin-Streptomycin \(100X\)](#)



DePlasma™

DePlasma™ consists of a proprietary mixture of three antimicrobial compounds with anti-*Mycoplasma* properties. DePlasma™ is a potent, safe, and low cell-toxicity anti-*Mycoplasma* reagent which can be used to prevent and eliminate *Mycoplasma* contamination.

- [DePlasma™](#)



Penicillin-Streptomycin-Glutamine (100X)

Penicillin-streptomycin-glutamine contains 200 mM L-alanyl-L-glutamine which is an essential energy source for many mammalian cells. L-alanyl-L-glutamine, a more stable form of L-glutamine, to prevent cytotoxic degradation.

- [Penicillin-Streptomycin-Glutamine \(100X\)](#)