

Penicillin/Streptomycin 100X Solution

Cat. No.	Pack Size
MTE0352	100 ml

For *in vitro* use only

Reagent Composition:

10 000 units of penicillin (base) and 10 000 µg of streptomycin (base) / ml utilising penicillin G (sodium salt) and streptomycin sulphate in water.

Description:

Penicillin/Streptomycin is a broad spectrum bacteriostatic with activity against Gram-negative and Gram-positive organisms. **Penicillin/Streptomycin** is used as an antibacterial or antimycobacterial.

Penicillin interferes with the final stage of synthesis of the bacterial cell wall.

Streptomycin, through protein synthesis inhibits elongation at transpeptidation step as it binds to 30S subunit causing misreading.

Recommended Concentration:

50 to 100 Units of penicillin, 50 to 100 µg of streptomycin. Most commonly used by diluting 1:100 in cell culture media.

Storage: -5°C to -20°C, the product is stable at 37°C for approximately three days.

Cell culture: Tested

Sterility: Tested

Safety warnings and precautions:

Only persons trained in laboratory techniques should handle this product and its components. It is advisable to wear suitable protective clothing, such as laboratory overalls, gloves and safety glasses. Care should be taken to avoid contact with skin or eyes. In case of contact with skin or eyes, wash immediately with water.

Some applications this product is used in may require a license, which is not provided by the purchase of this product. Users should obtain the license if required.

Related products:

Cat. No.	Product	Pack Size
MTE0347	IMDM, (wo L-Glutamine, w 25mM HEPES, wo sodium hydrogen pyruvate)	500 ml
MTE0348	DMEM, (w 4,5g/L Glucose, wo L-Glutamine, wo sodium pyruvate, wo sodium hydrogen pyruvate)	500 ml
MTE0349	Ham's F12, (w L-Glutamine, wo sodium hydrogen pyruvate)	500 ml
MTE0350	Glasgow-MEM, (w L-Glutamine, wo Tryptose/Phosphate-Boullion, wo sodium hydrogen pyruvate)	500 ml
MTE0353	L-Glutamine 200mM	100 ml
MTE0354	Cell freezing mix (FCS/DMSO)	50 ml
MTE0355	NEA (Non-essential amino acids)	100 ml
MTE0356	Sodium Pyruvate 100mM	100 ml
MTE0357	1X PBS (without Ca ⁺² , Mg ⁺²)	500 ml
MTE0358	Trypsin/EDTA (0.05% / 0.02% in PBS)	100 ml