

Penicillin-Streptomycin Solution (100×)

Cat #: A-CSH748

Size: 500mL

Storage: -20°C (12 months)

Product Description

Penicillin-Streptomycin Solution (100×) is a combination of antibiotics specifically designed for cell culture. It is sterile-filtered and can be directly added to the cell culture medium.

In the Penicillin-Streptomycin Solution (100×), the concentration of penicillin is 10 kU/ml, and the concentration of streptomycin is 10 mg/mL. This solution is prepared in 0.9% NaCl or PBS. The recommended working concentration for penicillin in the cell culture medium is 100U/ml. And for streptomycin, it is 0.1 mg/mL, which corresponds to a 100-fold dilution. One package (100 mL) of the Penicillin-Streptomycin Solution (100×) can be used to prepare 10 L of cell culture medium.

Procedure

The Penicillin-Streptomycin Solution (100×) can be used in one of the following two methods:

1. Add directly to the sterile cell culture medium: Add the Penicillin-Streptomycin Solution (100 ×) to the cell culture medium at a ratio of 5 mL per 500 mL of medium. Mix well before use.
2. Add during cell culture medium preparation then sterile filtration: During the preparation of the cell culture medium, add the Penicillin-Streptomycin Solution (100 ×) at a ratio of 10 mL per 1 L of medium. After the medium is prepared, sterilize it by filtration before use.

Notes

1. It is advisable to minimize the freeze-thaw cycles to prevent a decrease in efficiency.
2. Pay attention to aseptic techniques and try to avoid contamination as much as possible.

Disclaimer

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.