

Ampicillin Solution (100mg/mL)

Cat #: A-CSH431

Size: 10mL

Storage: -20°C, protected from light (12 months)

Product Description

Ampicillin (Amp), also known as ampicillin sodium or ampicillin benzylpenicillin, is a β -lactam antibiotic that interferes with the cross-linking of peptidoglycans, thereby inhibiting cell wall synthesis. It belongs to the aminopenicillin class of antibiotics. Ampicillin is commonly used in clinical practice to treat various bacterial infections and is considered a classic antibiotic. In molecular biology experiments, Ampicillin is frequently used for preparing LB culture medium or LB agar plates containing ampicillin.

Ampicillin Solution (Ampicillin, 100mg/mL) is sterile filtered. The typical working concentration is 50-100 μ g/mL, with strict plasmids often used at 20 μ g/mL and relaxed plasmids at 60 μ g/mL.

Usage

1. Thaw the solution completely and mix thoroughly before use.
2. This solution is typically used at a concentration of 100 μ g/mL. Add 100 μ L (one-thousandth) of the solution to 100mL of culture medium and mix well. If pouring onto agar plates, ensure the medium is not too hot before adding.

Notes

1. Pay attention to aseptic techniques to avoid contamination.
2. Avoid repeated freezing and thawing to prevent loss of efficacy or decreased efficiency.
3. For your safety and health, wear laboratory attire and disposable gloves when handling this reagent.

Disclaimer

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