

Chloramphenicol Solution(50mg/ml)

Cat: L1311

Specification: 1mL /10mL

Storage: Store at -20°C, and it is valid for 1 year.

Introduction

This product is a chloramphenicol solution with a concentration of 50mg/ml, which can be added to bacterial liquid or solid media to cultivate bacteria containing chloramphenicol resistance genes.

Chloramphenicol is a broad-spectrum antibiotic that inhibits the translation of mRNA on the 50S ribosome during the formation of peptide bonds catalyzed by peptide transferase, thereby inhibiting the growth of both Gram-negative and Gram-positive bacteria. In addition, chloramphenicol also has resistance to microorganisms of the genus Rickettsia and resistance to Chlamydia psittaci in the psittacosis-lymphogranuloma group, making it useful for bacterial screening.

Acetylation of the chloramphenicol acetyltransferase gene, or CAT gene, can resist chloramphenicol resistance. Based on this principle, chloramphenicol can be used as a screening drug in molecular biology experiments to screen transformed cells containing chloramphenicol resistance genes.

Protocols (for reference only):

According to the specific requirements of the experiment, the recommended effective working concentration is 5-50µg/ml.

Note

1. For cell experiments, disposable needle filters must be used for sterilization.
2. Pay attention to aseptic operation during operation to avoid contamination
3. Once dissolved, please store the solution in separate containers to avoid product degradation caused by repeated freezing and thawing.
4. The product information is for reference only. If you have any questions, please call 400-968-6088 for consultation.
5. The products are all for scientific research use only. Do not use it for medical, clinical diagnosis or treatment, food and cosmetics, etc. Do not store them in ordinary residential areas.
6. For your safety and health, please wear laboratory clothes, disposable gloves and masks to operate.