
Technical Information

Products for Molecular Biology

100mg/ml Ampicillin Ready-Made Solution (Molecular Biology Grade)

Catalog #: 351-344-731 10 x 1ml

Store at: -20°C

Shipped at: Dry Ice

DESCRIPTION

Quality Biological's (QBI) Ampicillin Ready-Made Solution is prepared from USP grade Ampicillin Sodium Salt using Quality Biological's Molecular Biology Grade (MBG) Water. The final product is sterile filtered through a 0.2 µm filter.

APPLICATIONS

Ampicillin is a β-lactam antibiotic with an amino group side chain attached to the penicillin structure. Ampicillin, which is a semi-synthetic derivative of penicillin, inhibits cell wall synthesis (peptidoglycan crosslinking) by inactivating transpeptidases on the inner surface of the bacterial cell membrane in Gram-negative and Gram-positive bacteria. Cleavage of the β-lactam ring of ampicillin by β-lactamase results in bacterial resistance to this antibiotic.

All products sold by Quality Biological are intended for research use only. This product has not been approved for diagnostic or IVD use.

3/30/987

QUALITY CONTROL

General

All QBI products for Molecular Biology are prepared according to standard published protocols^{1, 2} or to formulations provided by customers. In addition, all products are subjected to a variety of quality control procedures, including pH and conductivity determinations, in order to validate that the *Procedures*

This product can be added to an agar or culture medium, which has been autoclaved and cooled to 45 – 50°C. Culture plates with ampicillin can be stored at 2 – 8°C for up to two months.

The recommended concentration for use in ampicillin resistance studies is 20 – 125 µg/ml.

RELATED PRODUCTS

LB Broth (Luria-Bertani)

340-004-101	500ml
340-004-101CS	10x500ml
340-004-131	1000ml
340-004-131CS	10x1000ml
340-004-761	2L
340-004-761CS	10x2L

ShakeNGrow LB Broth+100ug/ml Ampicillin

340-337-195	60ml in Shaker Flask
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ShakeNGrow LB Broth+50ug/ml Ampicillin

340-339-195	60ml in Shaker Flask
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ShakeNGrow LB Broth+100ug/ml Carbenicillin

340-338-195	60ml in Shaker Flask
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