

Ampicillin Ready-Made Solution (100mg/mL) (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 ultra-pure reverse osmosis water. The final product is sterile filtered through a 0.2µm 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 (peptideoglycan 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.

Quality Control

General

All QBI products for Molecular Biology are prepared according to standard published protocols. All products are subject to a variety of quality control procedures, including pH and conductivity determinations, in order to validate that the test product is within its specifications.

Test results of individual lots of Ampicillin Ready-Made Solution are available on the Quality Biological website.

Directions:

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

The recommended concentration for use in ampicillin resistance studies is 20-125µg/mL.

Related Products

LB Broth (Luria-Bertani)

Catalog #	340-004-721EA	100mL
	340-004-721	Pack 4 x 100mL
	340-004-101	500mL
	340-004-101CS	10 x 500mL
	340-004-131	1000mL
	340-004-131CS	10 x 1000mL

LB Broth (Lennox)

Catalog #	340-016-101	500mL
	340-016-101CS	10 x 500mL

Super Broth

Catalog #	340-018-131	1000mL
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Terrific Broth

Catalog #	340-071-101	500mL
	351-071-101CS	10 x 500mL
	351-071-131	1000mL
	351-071-131CS	10 x 1000mL

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