

# Ampicillin

**Cat. No.** GG101

**Concentration:** 100 mg/ml

**Storage:** at -18°C or below for one year

## Description

Ampicillin is a derivative of penicillin, which interferes with bacterial cell-wall synthesis to kill the growing cells. Its resistance relies on the specific expression of periphery  $\beta$ -lactamases by the resistance gene (bla). This enzyme can hydrolyze the  $\beta$ -lactam ring and thus inactivate the antibiotics.

**Working Concentration:** 20  $\mu$ g/ml for stringent plasmids; 60  $\mu$ g/ml for relaxed plasmids.

**For research use only, not for clinical diagnosis.**

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