

ATCC Medium: 1227 LB Medium, Miller w/Ampicillin 50ug/ml

Agar Medium

LB Agar (BD 244520)..... 40g
DI Water..... 950.0 ml
Adjust pH to 7.0 +/- 0.2 and autoclave at 121°C

Broth Medium

LB Broth (BD 244620)..... 25g
DI Water..... 950.0 ml
Adjust pH to 7.0 +/- 0.2 and autoclave at 121°C

Ampicillin Solution

Ampicillin Sodium Salt (Sigma A9518)..... 50mg
DI Water..... 50.0 ml
Filter Sterilize with a 0.2 µm filter

Add the Ampicillin Solution to the cooled base media ($\leq 48^{\circ}\text{C}$) at a concentration of 50ug/ml.
Check that final pH is at 7.0 +/- 0.2.

Complete media may be stored at 2-8°C for up to 2 months. Ampicillin tends to lose potency rapidly. If labs experience issues with an older media, it is recommended you order a fresh lot.

Note: While this media has been proven to support growth for most organisms, the commercially prepared media from Tecknova (Cat. L8100 and L1002) yields better results and should be used if this internal formulation is not working for the organism being grown.