

Author: Peter D Pioli
Last Edited: 09/13/2019

Protocol: Luria-Bertani (LB) Agar Plates with Ampicillin (Amp)

Application:

Making LB agar plates for bacterial transformation/cloning with Amp selection.

Procedure:

1. Add 1 L of LB broth into 2 L Erlenmeyer flask.
2. Add 15 g Agar.
3. Autoclave using liquid cycle.
4. Cool to 50 °C in H₂O bath.
5. Add 0.5 mL Amp stock (100 mg/mL)
6. Pour plates near hot flame for sterilization.
7. Once solidified, wrap plates with parafilm and store at 4 °C.

Note: Plates are good for ~30 days stored at 4 °C.