LB Agar Selection Media Plate Generation

2017 Protocols

Adapted from Addgene “Pouring LB Agar Plates” (2016)

Purpose:

Purpose of this protocol is to generate solid growth media containing LB and an antibiotic of choice for selective growth of successful clones following transformation.

Required Materials for 1 500 mL bottle:

- 100mm x 15mm clear and sterile petri plates
- 17.5 g premixed powder consisting of:
  - 5 g peptone
  - 10 g peptone from casein
  - 10 g sodium chloride
  - 12 g agar-agar
- Antibiotic of choice at 1000X concentration dissolved in appropriate solvent.
- 500 mL distilled water

Procedure:

1. Fill 500 mL bottle with distilled water and add 17.5 g LB powder, shaking to dissolve.
2. Autoclave media until sterile. Refer to your lab safety protocols regarding autoclaving.
3. Let cool to ~55°C before adding antibiotic of choice (ie. Kanamycin) at 1:1000 concentration (ie. 500 uL for 500 mLs). Pour onto petri plates.
4. Let plates cool completely before drying. To dry place petri plates media side up in a 37°C incubator overnight.