

LB plates

1. Combine 20 g LB Agar (BD REF# 244520) and 500 mL MilliQ water in a 1 L bottle and mix thoroughly.
Note: 500 mL will make approximately one sleeve of plates.
2. Loosely screw on bottle top, cover top with aluminum foil, and place autoclave tape on top of the foil.
3. Autoclave at 121°C for 15 min.
4. Allow to cool briefly on benchtop.
5. Add 500 μ L of desired antibiotic (typically 100 ng/ μ L) and gently swirl to mix evenly throughout warm LB agar.
Note: In order to prevent bubbles from forming, do not mix vigorously.
6. Pour enough warm LB agar to just cover the bottom of each petri dish.
7. Allow agar to solidify in plates on the benchtop (~30 min).
8. Once agar is solidified, label lids with antibiotic used and date plates were made. Then return plates back to the plastic sleeve they came in, and label the plastic sleeve with the same information on the lids. Store the sleeve of plates at 4°C.

Components of LB Agar

- 10 g/L Tryptone
- 5 g/L Yeast Extract
- 10 g/L Sodium Chloride
- 15 g/L Agar