

LB Media

To make 1L of media:

1. Weigh out 10 g of Tryptone, 5 g of yeast extract and 10 g of table salt.
2. Dissolve in approximately 900 mL of ddH₂O.
3. Adjust pH to 7.0 with NaOH
4. Adjust volume to 1 L
5. Add autoclave tape
6. Leave lid a bit open to avoid overpressure in bottle
7. Autoclave
8. Store at 4°C

For agar plates:

1. Add 7.5 g of agar to 500 mL of LB media. For autoclaving, fill 1L bottle with 500ml of Agar+LB solution to avoid overflow

To prepare agar plates:

1. Open lid a bit to avoid overpressure and heat LB agar until liquid
2. Stir and let cool down until hand warm (about 60°C)
3. Add antibiotic to desired concentration under sterile conditions (open flame)
4. In biosafety cabinet pour LB agar into petri dishes
5. Leave dried plates half-open for ½ hour
6. Fill in plastic bag, label bag properly and store at 4°C