

## LB agar plates preparation

1. **Work under sterile conditions (clean bench, fire, sterile tips).**
2. For each plate, weigh 1 gr LB agar and dissolve well in 25 mL DW.
3. Label the tube with [your name].
4. Autoclave.
5. If antibiotics necessary (for selection) – wait until the LB agar cooled down to under 50°C and add the antibiotics in the appropriate dilution.  
*For 25 mL LB agar add 25 µL of antibiotic from the x1000 stock solution.*
6. Mix gently to avoid air bubbles.
7. Mark plates bottom part with [Antibiotic concentration, date, your name].
8. Using a pipette, add 25 mL of LB agar to each plate and close the plate lid.  
To avoid air bubbles – raise 27 mL but lower only 25 mL.  
**Do not move the plates until solidifying (20-30 min).**
9. If plates are not used on the same day, close them with parafilm and store at 4°C (stock the plates when the lid is downwards). Plates will be good for ~1 month.