



# Small Culture

*Amplification of the bacteria with the desired inserted plasmid.*

Estimated bench time: 30 min

Estimated total time: 17 hours

## MATERIALS

- Antibiotic stock(s)
- Bunsen Burner
- LB-agar plates with bacteria
- Autoclaved LB medium
- Pipetboy & pipettes
- Pipettes & tips
- Shaking incubator
- Sterile culture tubes
- Parafilm

## SETUP & PROTOCOL

1. Make a picture of all LB agar plates with the bacteria colonies.
2. Work near the Bunsen flame.
3. Fill the sterile culture tubes with 8 mL autoclaved LB medium.
4. Add 8  $\mu$ L antibiotic stock to the sterile culture tubes to dilute to the right concentration of antibiotics.
5. Choose different colonies from the LB agar plates and label them.
6. Make a picture of the labeled LB agar plates with the selected bacteria colonies.
7. Touch the labeled colony with the smallest pipet tip and make sure not to rupture the agar.
8. Shoot the pipet tip into the culture tubes.
9. Incubate the small cultures at 250 rpm at 37 °C.
10. Seal the LB agar plates with parafilm and store them in the fridge upside down.