

# SOC MEDIUM PREPARATION

ADAPTED FROM THE BONNET TEAM PROTOCOL REPOSITORY

## MATERIALS:

- SOB medium powder
- ddH<sub>2</sub>O
- 50mL graduated cylinder
- Ten 100mL glass bottles
- Glucose powder
- Syringes
- 0.2µm sterile filters
- 50mL sterile tube
- 5mL sterile pipettes
- 1.5mL sterile centrifuge tubes

## PROTOCOL:

### *Prepare SOB medium :*

- Dissolve 14g SOB medium into 500mL (final volume) ddH<sub>2</sub>O (28g/L final concentration).
- Aliquot the solution with the graduated cylinder: 50mL in each 100mL glass bottle.
- Autoclave them the same day and cool down.
- Prepare 2M glucose solution :
- Dissolve 18 g glucose into 50 ml (final volume) ddH<sub>2</sub>O and filter-sterilize into a sterile 50 mL tube under the hood PSM.
- Aliquot 0.5mL per microcentrifuge tube under the hood PSM.
- Store aliquots at -20°C.

### *Prepare SOC medium :*

- Add 0.5mL glucose solution into 50mL SOB medium before use.
- Divide into 10mL aliquots with SOC medium to avoid contamination.