

Agar Plates

Timeframe:

- Preparation: 20 minutes
- Wait-time: 20 min
- Overall: 40 min

Materials:

- LB Agar powder (Lennox L agar by Invitrogen)
- dH₂O
- Petri plates
- Desired antibiotic
- X-gal in DMF if needed

Procedure:

1. Mix 25 g of LB Agar powder with 1L dH₂O.
2. Autoclave the bottle.
3. Melt the LB-agar in a microwave at a low setting, ideally in intervals of 5 min.
4. Wait for the agar to cool down to around 35°C.
5. Add the desired antibiotic stock solution to reach the following final concentration
 - Chloramphenicol: 34 µg/ml
 - Ampicillin: 100 µg/ml
 - Kanamycin: 50 µg/ml
6. If required, add X-gal to a final concentration of 20 µg/ml.
7. Quickly pour the agar into petri dishes ensuring the bottom is completely covered.
8. Let the agar set before using the plates.