

Antibiotic preparation

Aim:

- Make stock solutions of antibiotics

Timeframe:

- 5 minutes

Materials:

- Ampicillin
- Kanamycin
- Ampicillin
- Weigh boats
- Falcon tubes
- ddH₂O
- Ethanol

Procedure:

Ampicillin:

1. Weight 1 g of sodium ampicillin.
2. Dissolve 1 g of sodium ampicillin in sufficient H₂O to make a final volume of 10 mL.
3. Filter through a 0.22 µm sterile filter to sterilise.
4. Store the ampicillin in aliquots at -20°C.

Kanamycin:

1. Weight 0.2 g of kanamycin.
2. Dissolve 0.2 g of kanamycin into 10 ml of ddH₂O.
3. Filter through a 0.22 µm filter to sterilise.
4. Store at -20°C.

Chloramphenicol:

1. Weight 0.25-0.5 g of Chloramphenicol.
2. Dissolve in 10 ml of 95% EtOH (70% may also be used).
3. Filter through a 0.22 µm filter to sterilise.
4. Stock may be kept at -20°C for 1 year.