MIC (Minimum Inhibitory Cincentration)

- Background :

  unknown chloramphenicol MIC

- Purpose :

  know the MIC of chloramphenicol succinate (equivalent chloramphenicol)

- Tools and material :

  1. LB agar
  2. petri dish
  3. Micropipette
  4. Chloramphenicol 1 gr
  5. Aquades nuclase free 10ml

- Procedure (calculation)

  Tabel

	Control OA OB	25	50	75	100	125	150	175
Medium (ml)	20	20	20	20	20	20	20	
Antibiotic (µL)	0	5	10	15	20	25	30	35

  PS : dilute 1gr/10ml = 100 mg/ml ; 0,1 mg/ml ; 100 µg/ µL
  25 mg/ml 20 ml = 500mg ; 500 µg/(100 µg/ µL) = 5 µL
  PS : single treatment to 25 µg/ml because of agar excess

- Procedure

  1. Mix 1 gr chloram with aquades nuclease free 10 ml in antibiotic tube
  2. Make adequte, take1 1,7 mL tube, and save the excess in the refrigerator
  3. Mix with appropriate concentration the we want to the falcon when make the LB agar