SOP: M007

Preparation of Middlebrook 7H9-Dextrose broth protocol

Materials and Reagents:
1. Milli-Q water
2. Beaker, 1 liter
3. Magnetic stir bar
4. Magnetic stir plate
5. Middlebrook 7H9 broth (VWR 90003-876)
6. Dextrose (VWR 90000-908)
7. Glycerol (VWR IC800689)
8. Graduated cylinder, 1 liter
9. Autoclave

Protocol:
1. _____ Pour 700 ml of Milli-Q water into a 1 liter beaker.
2. _____ Add magnetic stir bar to beaker and place on magnetic stir plate.
3. _____ Add 4.7 g of Middlebrook 7H9 dehydrated broth.
4. _____ Add 2.0 g of Dextrose to make a final concentration of 2% (note 1).
4. _____ Make sure all components are completely in solution.
5. _____ Add 2 ml of glycerol.
6. _____ Make sure the glycerol is fully dispersed.
7. _____ Pour medium into 1 liter graduated cylinder.
8. _____ Bring volume to 900 ml with Milli-Q water.
9. _____ Transfer/aliquot to desired container(s).
10. _____ Autoclave on liquid cycle (slow exhaust) at 121°C for 15 minutes.

Notes:
1. This is the amount of dextrose present when OADC is added to the medium at a final concentration of 10%. Therefore, OADC does not need to be added.

Reference: