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: |
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| 1 Poi | ur 700 ml of Milli-Q water into a 1liter beaker. |
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| 2 Ad | ld magnetic stir bar to beaker and place on magnetic stir plate. |
| 3 Ad | ld 4.7 g of Middlebrook 7H9 dehydrated broth. |
| 4 Ad | ld 2.0 g of Dextrose to make a final concentration of 2% (note 1). |
| 4 Ma | ake sure all components are completely in solution. |
| 5 Ad | ld 2 ml of glycerol. |
| 6 Ma | ake sure the glycerol is fully dispersed. |
| 7 Poi | ur medium into 1 liter graduated cylinder. |
| 8 Bri | ing volume to 900 ml with Milli-Q water. |
| 9 Tra | ansfer/aliquot to desired container(s). |
| 10 A | utoclave 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:

Diffco manual, 10th edition. 1984 Difco Lab, Inc. Detroit, MI 48232.