

Agar Plates

Payam Amiri

Abstract

Citation: Payam Amiri Agar Plates. **protocols.io**

dx.doi.org/10.17504/protocols.io.hpab5ie

Published: 16 Apr 2017

Protocol

Step 1.

Fill the container with 900 mL MQ water.

Step 2.

Add in order while stirring on a heated stir plate:

1. 10 g Peptone
2. 10 g NaCl
3. 5 g Yeast Extract
4. 15 g Agar

Stir until solids are dissolved.

Step 3.

Bring total volume up to 1 L.

Step 4.

Aliquot media into 5, 200 mL volumes in different Erlenmeyer flasks.

Step 5.

Attach lid and cover with aluminum. Place a piece of autoclave tape on the container.

Step 6.

Autoclave on liquid cycle for 45 minutes.

Step 7.

Remove and let cool to 37°C

Step 8.

If necessary, add antibiotic.

Amp: 1 μ L/mL

Step 9.

Pour plates using aseptic technique.

This step should be done near a burning flame. The flame may be used to disrupt any bubbles that may appear.