



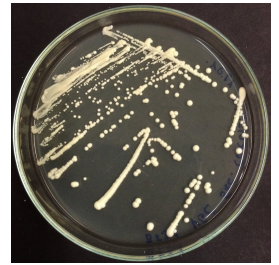
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Version 2

Agar Plate Preparation V.2

DOI

<https://dx.doi.org/10.17504/protocols.io.4c3gsyn>



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Protocol status: Working

We use this protocol and it's working

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Protocol Integer ID: 24699

Keywords: bacterial culture, LB, agar, agar plate preparation default scale, sleeves of plate, plate, default scale, scale, sleeve

Abstract

Default scale - 1 L (makes approx. 2.5 sleeves of plates)

Materials

STEP MATERIALS

⊗ Agar Alfa Aesar Catalog #A10752-0E

⊗ LB Research Products International Corp (RPI) Catalog #L24400-2000.0

⊗ Kanamycin Research Products International Corp (RPI) Catalog #K22000-25.0

⊗ Ampicillin Research Products International Corp (RPI) Catalog #A40040-25.0

⊗ Tryptic Soy Broth Fisher Scientific Catalog #DF0370-07-5

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- 1 Add powdered LB ( 25 g) and agar ( 15 g) to deionized water ( 1 L)

 Agar **Alfa Aesar** Catalog #A10752-0E

 LB **Research Products International Corp (RPI)** Catalog #L24400-2000.0

Note

n.b.

Particulates may remain after addition, but these will dissolve during the autoclave cycle

- 2 Autoclave using liquid cycle  00:15:00

- 3 Allow media to cool to  50 °C

- 4 Select antibiotic from the list below:

STEP CASE

Kanamycin 2 steps

- 5 Add  50 mg kanamycin and mix thoroughly

 Kanamycin **Research Products International Corp (RPI)** Catalog #K22000-25.0



6 Pour into sterile plates and allow to cool