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LB Broth Agar Plates with Antibiotics

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1 Works for me

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FSU iGEM



Bec18

ABSTRACT

The abstract will be added later.

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Preparation For Autoclave

51m

- 1 Add 125 mL of deionized water to a 250 mL Erlenmeyer Flask.

- 2 Add **3.125 g** of LB Broth powder (**25 g** per **1 L** of water) to the water in the Erlenmeyer Flask.
- 3 Add **1.875 g** of agar to the water (1.5% of **125 mL**) in the Erlenmeyer Flask.
- 4 Stir on stirring plate for **00:05:00** . 5m
- 5 Cover the opening of the Erlenmeyer Flask with aluminum foil.
- 6 Place a 10 mm strip of autoclave tape on the aluminum covering the opening of the flask.

Autoclaving

7

Autoclave.

Electronic Table-Top Autoclave
EZ11Plus
Tuttnauer MAN205-0443001EN Rev S







After Autoclaving 46m

- 8 After autoclaving, place the flask in the water bath at 60°C for **00:15:00** . 15m

General Purpose Digital Water Bath

PolyScience WBE20A11B



- 9 Add  **1 μ L** of the antibiotic stock solution per mL of LB agar in the flask.
- 10 Stir on the stirring plate for  **00:01:00** . 1m
- 11 Pipette  **5 mL** of the LB agar mix into 20 60 mm petri dishes.
- 12 Leave the surface of the agar 1/4 uncovered in the laminar flow hood for  **00:30:00** . 30m