



Jun 28, 2022

E. coli Culture

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FSU iGEM



Bec18

ABSTRACT

The abstract will be added later.

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MATERIALS TEXT



-  **3 mL** LB medium
- Appropriate Antibiotic
- 15 mL tube
- Thermomixer
- Agar plate with bacteria colonies
- 1 µL inoculation loop

BEFORE STARTING

A video if unfamiliar: <https://youtu.be/TWt62pgAEh0>

Medium and Antibiotic Preparation

5m

- 1 Add  **2 mL** ( **3 mL** also acceptable) of LB medium and the appropriate antibiotic that selects for the target strain into a 15 mL tube.



Kanamycin 50 mg/mL Stock Solution
by Bec18

PREVIEW

RUN



- 2 Place the 15mL tube in the ThermoMixer at 37°C, 300 rpm, for  **00:05:00** .

5m

ThermoMixer® C

Eppendorf Catalog No. 2231000680 



Retrieving Cells

- 3 Gather cells.

3.1 Swab a single colony on the agar plate with a sterile 1µL inoculation loop.



3.2 OR Dip a sterile 10 µL inoculation loop in a preexisting culture tube.

Innoculation

- 4 Innoculate the 15 mL tube with the loop.
- 5 Place the 15 mL tube in the thermomixer for 16 hours at 37°C and 300 rpm.