

Culture E.Coli

Bacterial cultures for plasmid preparation should always be grown from a single colony picked from a freshly streaked selective plate.

Materials:

- Bacterial colony on a plate
- (5ml + 500ml) LB medium
- (5 μ l + 500 μ l) Specific antibiotic

Protocol:

Pre culture:

1. Add 5 ml LB medium and 5 μ l antibiotic to a culture tube
2. Inoculate with the bacterial colony from the agar plate
3. Culture at 37°C, 250 RPM. For ~ 8 hours
4. Measure the OD₆₀₀. With the right amount of cells/ml, continue the culture

Culture:

5. Add 500 ml LB medium and 500 μ l antibiotic to a culture tube
6. Dilute the pre-culture in the tube
7. Culture at 37°C, 250 RPM.
8. Measure the OD₆₀₀. With the right amount of cells/ml, harvest the cells.