

Inoculating Cultures in Liquid Media

Goal	To isolate and grow individual colonies of <i>E. coli</i> in a nutrient-rich media
Materials	<ul style="list-style-type: none">• Test tubes/Shake flask• Media (Lysogeny Broth)• Petri dishes containing <i>E. coli</i> culture• Pipettes• Antibiotics (if required)• Bunsen burner
Procedure	<ol style="list-style-type: none">1. Ignite the Bunsen burner to maintain a sterile environment2. Obtain a shake flask/test tube and transfer the desired amount of media into the flask/tube. If required, add the appropriate amount of antibiotics3. Open the petri dishes containing the <i>E. coli</i> cultures. Use a pipette tip and carefully pick a single colony from the plate4. Transfer the colony on the pipette tip to the media in the flask/tube5. Label the flask/tube and incubate in a shaker at an appropriate temperature