

Transformation of E. coli with G4.4

Participants: Brianna Branson, Rori Hoover, Patrick Jiang

Date: Monday, July 10, 2023

Protocol:

1. Thawed BL21 competent E. coli cells on ice for 10 minutes
2. Added ?? μL E. coli cells to a microfuge tube
3. Added 5 μL G4.4 plasmid to the tube
4. Flicked tube to mix and briefly centrifuged the samples down
5. Placed tubes on ice for 30 minutes
6. Heat shocked E. coli in a 42 °C water bath for 10 seconds
7. Placed tubes on ice for 5 minutes
8. Added 950 μL outgrowth medium to each tube
9. Incubated E. coli at 37 °C and shook at 250 rpm for 1 hour

Results: N/A

Conclusion: N/A

No control?

Plating G4.4 Transformed E. coli

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Protocol:

1. Warmed a LB-agar kanamycin plate in a 37 °C incubator (ampicillin)
2. Pipetted 50 µL E. coli cells onto a plate
3. Spread cells across plate using the “serial streak” technique
4. Incubated at 37 °C overnight

Results: ??

Conclusion: Was successful – picked 3 colonies to make glycerol stocks out of