Transformation of E. coli with G1 and Control

Participants: Brianna Branson, Rori Hoover, Patrick Jiang

Date: Friday, April 28, 2023

Protocol:

1. Thawed NEB 10-beta Competent E. coli cells on ice for 10 minutes
2. Added 25 µL E. coli cells to # microfuge tubes
3. **Added 2 µL G3 to one tube and 2 µL DNA from the control reaction to the other**
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 30 seconds
7. Placed tubes on ice for 5 minutes
8. Added 475 µL outgrowth medium to each tube
9. Incubated E. coli at 37 °C and shook at 400 rpm for 1 hour

Results: N/A

Conclusion: N/A

Plating G1 Transformed E. coli

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Protocol:

1. Warmed **2 LB-agar kanamycin plates** in a 37 °C incubator
2. Pipetted 50 µL E. coli cells from each microfuge tube onto their respective plate
3. **Spread cells across plate using 3 glass beads for each one**
4. Incubated at 37 °C overnight

Results: ??

Conclusion: ??

We did a preliminary test of the anaerobic jar, and it appears to be working. However, we do need to use Vaseline

When did you do this? And what exactly was your procedure for the preliminary test?