

6/07/17

Wednesday, June 7, 2017 9:44 AM

Who was in lab today: Jeff, Ayesha, Qingxi, Salma, Martin

Experiment DEETS:

- Used digested pet28 and cjBlue to run gel (added 40 uL of sample to each well)
- While the gel was running, we made a 300 mL overnight culture, + Kanamycin—the colony we used to inoculate was pet28+cjBlue ligation transformed into DH5a E. Coli

Protocols:

1. See protocol for **Making Agarose Gel**. Performed Gel Electrophoresis on digested pet28 and cjBlue to run gel (added 40 uL of sample to each well)
2. We performed Gel purification to isolate DNA. See protocol for **Gel Extraction**. After measuring DNA concentrations of the isolated DNA, we found the concentrations to be zero ng/uL. Hence, we did not perform the DNA ligation step as planned.
3. While the gel was running, we made a 300 mL overnight culture, + Kanamycin—the colony we used to inoculate was pet28+cjBlue ligation transformed into DH5a E. Coli. See protocol for **Overnight culture**.