

# 5/25/17

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Thursday, May 25, 2017 10:18 AM

**Who was in lab today:** Jeff, Ayesha, Qingxi, Ana, Salma

**10% Glycerol Solution (made w/ Tyler)**

1. Add 100 mL glycerol to 1L graduated cylinder
2. Add 300 mL dl water to same cylinder, pour water and glycerol into 1L Bottle
3. Repeat step 2 twice so that a total of 900 mL of water is added to the 100 mL of glycerol
  - a. 100mL glycerol
  - b. 900mL dl water
4. Autoclave the 1L of 10% glycerol for 20 min @ 250°F

1 Liter of LB media was made and autoclaved. No antibiotic was added to the media

**Making E. Coli Competent Cells Media**

1. Start with 2 500mL bottles of LB Broth w/ an OD of ~0.05
2. Make a 1/100th dilution by adding 5mL E. Coli inoculum to each 500mL LB Broth stock (one is DH5A and other is BL21)
3. Incubate for 1.5 hour @ 37°C, shaking (220 rpm)
4. Aliquot both E. Coli bottles into 50 mL fragments (so that they fit into centrifuge)
5. Spin down cells in centrifuge

No results were seen in the agar plates that were streaked with plasmids for Cyan Fluorescent Protein and Blue Fluorescent Protein. Results showed for the second agar plate for PET28B when the cells were spinned down.