

September 9, 2014

- Testing estrogen biosensor (estrogen in ethanol)
 - cells only
 - 115 (empty plasmid)
 - RFP
 - WT
 - DEAD
- 1 hour time points:
 - 10:30 AM
 - 11:30 AM
 - 12:30 PM
 - 1:30 PM
 - 2:20 PM

September 10, 2014

Continue Estrogen Biosensor Testing

- Time points every hour up to 5 hours (last one at 4:30 PM)
 - Estrogen precipitated out and cell death from ethanol
 - Decrease at 4 hours - cell death
 - Estrogen in ethanol - 0, 20 and 200 μM
- Set up overnights for further testing tomorrow

September 11, 2014

Continue Estrogen Biosensor Testing

- Measured overnights in LB and resuspended in PBS
 - increase due to estrogen seen in overnights not resuspended
 - RFP may be in solution due to cell lysis
 - lower concentration estrogen (20 μM) more sensitive than 200 μM
- Start testing of solvent (Ethanol)
 - Time points every hour
 - Start: 12:00
 - Ethanol only - 0, 2 and 10 μl
 - Estrogen in ethanol - 0, 2 and 10 μl
- PCR to add His tags to T7 RNAP and sensors

September 12, 2014

Continue Estrogen Biosensor Testing

- Testing different dilutions of sample
 - Time points every hour
 - Start: 11:00
 - 0.5 and 0.2 dilutions of cultures
 - Added 20 μ M of ethanol or ethanol/estrogen