

6-19-13

GE - JENS Started Cadmium test with culture from 6-18-13

- ✓ Added 4 ml of LB + Chlor
- ✓ Added 100  $\lambda$  Cadmium detector cells

Tubes	1	2	3	4	5	6
Molarity	0	.001	.005	.01	.05	.1
Cadmium $\mu$ l	0	4	20	40	200	400

- Incubate

sample M (cd)	OD600	Emission Florescence	Fluor / OD
1 0	0.880	0.428 (1 to 10)	4.86363636364
2 .001	0.912	0.630 (1 to 10)	6.90789473684
3 .005	0.315	0.125 (1 to 10)	3.96825396825
4 .01	0.512	0.185 (1 to 10)	3.61328125
5 .05	1.005	0.051 (1 to 100)	5.07462686567
6 .1	1.371	0.062 (1 to 100)	4.52224653538

### Duplicate Cadmium Experiment (Claire Lamzinid)

- ✓ Added 4 ml of LB + Chlor
- ✓ Added 100  $\lambda$  of Cadmium Detector Cells
- ✓ Added Cadmium according to this chart:

Tubes	1	2	3	4	5	6
Molarity	0	.001	.005	.01	.05	.1
Cadmium ( $\mu$ l)	0	4	20	40	200	400

Incubate sample M (cd)	OD600	Emission Florescence	Fluor / OD
1 0	0.805	0.373 (1 to 10)	4.63354037267
2 .001	0.775	0.298 (1 to 10)	3.84516129032
3 .005	0.202	0.853 (1 to 10)	4.2277227723
4 .01	0.147	0.732	4.97959183673
5 .05	1.312	0.053 (1 to 100)	4.03963414634
6 .1	0.780	0.094 (1 to 100)	12.5333333333

6 → spilled and is not accurate.



6-19-13

Started Plasmid preps of K176012, K299009, K824008, and K824008

Restriction Digest of:

Use 10 $\lambda$  DNA

- 1 K824008
- 2 K824008
- 3 K176012
- 4 K299009
- 5 K412001
- 6 J04450
- 7 K176012
- 8 K299009
- 9 J04450 Unk
- 10 J04450 1
- 11 J04450 2
- 12 J04450 3

Mix:

Buffer 2 - 2 $\mu$ l

EcoRI - .5 $\lambda$

Pst I - .5 $\lambda$

dH<sub>2</sub>O - 7 $\lambda$

10

