

7-31-13

tests of cadmium detector  
started

### Procedure

- ① Add 4 ml LB + chlor to each tube  
    Just LB for control
- ② add 0  $\lambda$ , 4.1  $\lambda$ , or 41  $\lambda$  of cadmium depending  
    on the necessary concentration
- ③ add 100 x cells
- ④ incubate overnight

### Labeling

Trans 2 old-2 → 1-A (2+2)  
K824008 A  
B  
C

Trans 2 old-1 → 1-A (2A1)  
K824008 A  
B  
C

Trans 2 new-1 → 2-A (2A1)  
K824008 A  
B  
C

Trans 2 new-2 → 2-A (2A2)  
K824008 A  
B  
C

Trans 3 old-1 → 1-A (3A1)  
K824008 A  
B  
C

Trans 3 new-1 → 2-A (3B1)  
K824008 B  
B  
C

Trans 3 new-2 → 2-A (3B2)  
K824008 B  
B  
C

DHS x (control) → 3-A  
A  
C

7/31 (cont)  
- Also grew

Trans 5-2, Trans 4-1, Trans 3-1,  
Trans 8-1, Trans 1 New-1, Trans 1 New  
2

8/1

• Made original stock of

- Sensitivity  
Turners
- I721003 (Lead Binding Protein + Promoter) - Amp
  - I13401 (GFP) - Chlor
  - I746350 (P2 ovr activator) - Amp
  - I746351 (P0 promoter) - Amp
  - I746352 (phi R73 delta activator) - Amp

• Also made transformations with new DH5 $\alpha$  competent cells

I721003 - Trans 1 High (2x DNA)  
low (1x DNA)

I13401 - Trans 2 High  
low

I746350 - Trans 3 High  
low

I746351 - Trans 4 High  
low

I746352 - Trans 5 High  
low