

8/5/13

- started cultures of mutagenic cadmium detectors and one normal cadmium detector

- |  |                    |                     |
|--|--------------------|---------------------|
| successful<br>batch<br>from<br>previous<br>CA test | - K824008          | - mK824008 AB New-1 |
|  | - mK824008A old-1  | - mK824008 AB New-2 |
|  | - mK824008A old-2  | - mK824008 BA New-1 |
|  | - mK824008A old-3  | - mK824008 BA New-2 |
|  | - mK824008 A old-4 | - Trans. 3-1        |
|  | - mK824008 A old-5 |                     |
|  | - mK824008 A old-6 |                     |

8/6/13

- Started Cadmium Tests

- 4 mL LB + chlor in each tube
- Add 100  $\lambda$  of cells (control + DHS  $\alpha$ , samples - Cd detector)
- Make 3 tubes per sample

Tube 1: 0mM of Cadmium - 0  $\lambda$

Tube 2: 5mM of Cadmium - 20.5  $\lambda$

Tube 3: 50mM of Cadmium chloride 20.5  $\lambda$

- using cultures from yesterday

\* note: mK824008A old-1, 5, 6, mK824008A-New 1, 2, Trans 3-1 were grown in tubes not flask.

A - competent cells

B - K824008

C - mK824008A old-1

D - (same order as above)

M - Trans. 3-1

1 - 0mM

2 - 5mM

3 - 50mM

Label ex: A1 is  
competent cells, 0mM

- Digest of Cadmium Promoter, Ogr Activator (I746350), PO Promoter (I246361), phi R73 delta activator (I746352)

Upstream Part

Plasmid - 5 $\lambda$   
Eco-R1 - 1 $\lambda$   
Spe-1 - 1 $\lambda$   
NE Buffer 2 - 5 $\lambda$   
dH<sub>2</sub>O - 50 $\lambda$

Samples

- Cd Promoter
- ~~Ogr Acti~~ PO Promoter
- ~~phi R73 delta activator~~  
(questionable  $\rightarrow$  re-check)

Downstream Part

Plasmid - 5 $\lambda$   
Xba-1 - 1 $\lambda$   
Pst-1 - 1 $\lambda$   
NE Buffer 2 - 5 $\lambda$   
dH<sub>2</sub>O - 50 $\lambda$

- Ogr Activator
- phi R73 delta activator

- Transformation of ~~GFP~~ GFP (I13401)

- 2011 kit plate - 2 samples
- 2012 kit plate - 2 samples