

8/2/13

## Cadmium Test Results

Sample	Concentration of Cd	OD600	Fluorescence	Ratio
Control (DH5 $\alpha$ )	0 mM	.787	.021	.027
	1 mM	.158	.020	.127
	10 mM	.055	.021	.381
* Trans. 2-old-2 (K824008 A)	0 mM	.288	.021	.073
	1 mM	.040	.020	.560
	10 mM	.049	.018	.450
* Trans. 2-old-1 (K824008 A)	0 mM	.662	.022	.033
	1 mM	.027	.022	.815
	10 mM	.056	.020	.357
Trans 2-New-1 (K824008 A)	0 mM	.267	.020	.075
	1 mM	.073	.020	.274
	10 mM	.128	.022	.172
Trans. 2-New-2 (K824008 A)	0 mM	.727	.020	.028
	1 mM	.076	.019	.250
	10 mM	.116	.018	.155
Trans 3-old-1 (K824008 B)	0 mM	.808	.019	.024
	10 mM	.124	.020	.161
Trans 3-New-1 (K824008 B)	0 mM	.751	.021	.028
	10 mM	.096	.021	.219
Trans 3-New-2 (K824008 B)	0 mM	.562	.022	.039
	10 mM	.102	.021	.206

Conclusion: All samples showed little to no improvement and very little difference to the control. Exceptions: Trans 2-old-2 and Trans. 2-old-1 are slightly more fluorescent based off ratio and should be grown.