

9-3-12

Cl Test for Defector

6 Tubes w/ LB + Chlor
- 4 mL in each tube

Add the following amounts of $\text{Cl}(\text{NO}_3)_2$

- 1 - .1M - 400 μ
- 2 - .05M - 200 μ
- 3 - .01M - 40 μ
- 4 - .005M - 20 μ
- 5 - .001M - 4 μ
- 6 - Control - 0 μ

Add 100 μ of cells

Shake

Place in Incubator

Check growth / Fluorescence

Abs. : Fluo. Test From 8-2-12's results:

- Protocol on page 53

- Results top right of page 7

OD 600 0 + 0

Flu, 405 x y

$F(y-x)$

op(b)

Results:

Absorbance at 600 nm

#	Negatives	Positives
5A	1.098	1.596
7B	.359	1.515
4	.192	1.494
3B	.713	1.572
5B	1.088	1.578
7C	.889	1.514
3D	.842	1.339 1.367
7A	.098 (var little)	1.290
3A	.644	1.538
3C	1.137	1.352
7R	.444	1.654

	Fluorescence @ 405 nm		Fluor/O.D.
	Negatives	Positives	
5A	.022	.023	.000627
7B	.019	.023	.00264
4	.019	.021	.00138
3B	.020	.022	.00127
5B	.020	.022	.00127
7C	.021	.022	.000661
3D	.021	.026	-.000732
7A	.017	.021	.00310
3A	.021	.020	-.000650
3C	.021	.023	.00148
7R	.020	.023	.00181