

9/11/13

Cadmium Test Results p. 76

Sample	Concentration	OD600	Fluorescence	Dilution Factor	Ratio
A (Control-DH5α)	1. 0	1.291	.511	10	
	2. 1	.262	.870		
	3. 5	.953	.441	10	
	4. 10	1.186	.574	10	
	5. 50	1.779	.197	100	
B (positive - K924008 slant)	"	1.321	.652	10	
	"	1.066	.430	10	
	"	0.840	.387	10	
	"	1.181	.445	10	
	"	1.738	.093	100	
C (K1042002)	"	1.282	.316		
	"	0.966	.262	10	
	"	0.807	.182	10	
	"	0.254	.462		
	"	1.753	.168	100	
D (K1042005)	"	1.226	.607	10	
	"	0.935	.393	10	
	"	1.090	.423	10	
	"	1.756	.657	10	
	"	1.730	.088	100	

- Also made plasmid prep using QIAGEN miniprep kit
 - K1042002 (2 samples)
 - K1042005 (2 samples)
- Also grew liquid cultures of same samples

- PCR OF RIAGEN plasmid PREPS (p. 45)

- K1042002-1 → 1
- K1042002-2 → 2
- K1042005-1 → ~~1~~ 3
- K1042008-2 → 4

Buffer	2.5 μ	* 4.5 =	11.25
dNTPs	1		4.5
MgCl ₂	1.5		6.75
VF ₂	.5		2.25
UR	.5		2.25
Taq	.5		2.25
dH ₂ O	17.5		78.75
DNA	1 μ		-
	<u>25 μ</u>		<u>-</u>

- Digests
- Same #s as above

Buffer	1 μ	* 4.5 =	4.5
BsA	.5		2.25
EcoRI	.5		2.25
Pst	.5		2.25
plasmid	5		-
dH ₂ O	2.5		11.25
	<u>10 μ</u>		

bet:
- PCR = top
- Digest = bottom