

PCR Check of Plasmid Preps from 6/10

6/11

- 1 K824002 (+)
- 2 I 13401A
- 3 B
- 4 C
- 5 F721002 A
- 6 B
- 7 C
- 8 K824008-1
- 9 -2
- 10 K8240012

} used 2.5 μ DNA
2.5 μ dH₂O in repeat

} older preps

Mix:

Buffer	2.5	*11 μ	27.5	✓
MgCl ₂	1.5	=	16.5	✓
dNTPs	1	=	11	✓
VFA	.5	=	5.5	✓
VR	.5	=	5.5	✓
tag	.5	=	5.5	✓
dH ₂ O	13.5	=	148.5	✓
	20			

new dilution

Results - + ctrl did not work - Good DNA in wells 2-8 but no specific bands

Repeat PCR w/ new dilution of prems + less DNA

6/11

- started growing liquid cultures of
 - C2R1-A
 - ~~C2R2~~ C2R1-B
 - K081014 #1
 - I13401
- * - No growth
- * - Arsenic Detector - 1
Single Colony
- * - Arsenic Detector - 2
Single Colony
- Cadmium Detector
- * - Lead Detector

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- made a gel (was ran on previous page)
- ran another ~~set~~ gel of yesterday's sample

Top	1kb ladder	1	2	3	4	5	6	7
Bottom	1kb ladder	8	9	10				

- made plasmid preps of
 - I13401 #1
 - Arsenic Detector 2 (Single Colony)
 - Arsenic Detector 1 (Single Colony)
 - C2R1-A
 - C2R1-B
 - K081014 #1
 - Cadmium Detector

* note: 1st set was resuspended with TE before 70% EtOH was allowed to dry
2nd set was created

- made liquid cultures of DH5 α - grew
 - * also made liquid cultures of
 - Arsenic Promoter + GFP (K824009)
 - Cadmium Promoter + GFP (K824008)
 - Lead Promoter + GFP (K824012)
- (see next page)