

Troubleshoot PCR -

5/31

- | | | | | |
|---|------------|------------------------------|---|-------------------------------|
| 1 | K824012 | } plasmid prep w/ Qiagen kit | ✓ | 5x |
| 2 | K824002 | | ✓ | 5x |
| 3 | I13401 (+) | | ✓ | 2.5x + 2.5x dH ₂ O |

Mix

Buffer	2.5	* 3.5	= 8.75	✓
Mg Cl ₂	1.5		= 5.25	✓
dNTPs	1		= 3.5	✓
VF2	.5		= 1.75	
VR	.5		= 1.75	
tag	.5		= 1.75	
dH ₂ O	13.5		= 47.25	✓
	<u>20</u>			

6-3

Buffer	2.5	* 11	= 27.5
Mg Cl ₂	1.5		= 16.5
dNTP	1		= 11
VF2	.5		= 5.5
VR	.5		= 5.5
tag	.5		= 5.5
dH ₂ O	13.5		= 148.5
	<u>20</u>		

- 1 - control - I13401
- 2 - 824002 #2 (black)
- 3 - 824009
- 4 - 824012 (1)
- 5 - 824002 (w/kit) -- green
- 6 - 824002 #2 (green)
- 7 - 824012 (2)
- 8 - ?? 824009 ???
- 9 - ~~824008~~
- 10 - 4009

Positive Ctrl failed

Several tubes opened + evaporated