

EXP. NUMBER	EXPERIMENT/SUBJECT	DATE	57
NAME	LAB PARTNER	LOCKER/DESK NO.	COURSE & SECTION NO.

7-20-12

- Plated  $\rightarrow$  Nitrate Detectors
- No Antibiotic
- perfect growth (all 7)
- Ampicillin
- A, E, G grew
- chlor
- A, C, F, G grew
- Gel

Started:

- K17405, K17601, I13401, K216005, K081014, K238001, K412001, J04456
- liquid cultures of  $\rightarrow$  unknowns
- added chlor

- loaded:
- ladder
  - I13401
  - A
  - B
  - C

Result: Band in I13401, others = nothing

7-23-12

- Growth in
- K17405
- K17601
- I13401
- K216005

- streaked plates that grew
- Plasmid preps of above growth
- 6 of 7 unknowns grew
- streaked 7 on chlor plate

PCR of 4 that grew:

- Buffer	2.5	$\times 4.5 =$	11.25
MgCl <sub>2</sub>	1.5		6.75
dNTPs	1		4.5
VF <sub>2</sub>	1		4.5
VR	1		4.5
Taq	.5		2.25
dH <sub>2</sub> O	16.5		74.25
	24		

(7-24-12) - 8 Nitrate Detectors

Buffer	2.5	$\times 9 =$	22.5
MgCl <sub>2</sub>	1.5		13.5
dNTPs	1		9
VF <sub>2</sub>	1		9
VR	1		9
Taq	.5		4.5
dH <sub>2</sub> O	16.5		148.5
	24		

\* Separate master mix

SIGNATURE	DATE	WITNESS/TA	DATE
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