



Imp.

12/17/14

Since some of the clones in Lib2, Plate 1 didn't grow well on cephalothin, and most of clones didn't grow on ceftazidime, I will reinoculate cultures and repeats exp.

MIC of WT P99 on ~~Ceftazidime~~ ceftazidime is  $\approx 3 \mu\text{g/ml}$ .

(between ~~3~~ 3-6  $\mu\text{g/ml}$ )

Lib2, Plate 1

A1, A3, A4, A5, A8, A10, A11  
B2, B4, B7, B2, B11, B9, B10,  
C3, C4, C7, C9, C10, C11, C12  
D4, D8, D11, D12, E1, E3, E4, E5  
E8, E10, E11,  
F1, F3, F4, F6,  
G2, G3, G9, G10, G11,  
H2, H3, H4, H5, ~~H9~~, H10

47 clones  
IPTG(+)ve.

Exp.

12/22/14

- ①    ②    ③    ④ ⑤ ⑥ ⑦ ⑧
- # 1 WT, A1, A3 A4, A5, A8 A10, A11
- # 2 WT, B2, B4, B7, B12, B11, B9, B10,
- # 3 WT, C3, C4, C7, C9, C10, C11, C12
- # 4 WT, D4, D8, D11, D12, E1, E3, E4
- # 5 WT, E5, E8, E10, E11, F1, F3, F4
- # 6 WT, G6, G2, G3, G9, WT#2\*

20 ml LB + Kan + IPTG.

3rd in 4 ml

~~1 x 20~~  
5

≠

1 ml → 5 μl

20 ml × 5 = 100 μl

↓

Ceftazidime

(of 5 μg/μl)

↙

500 μg / 20 ml

= 25 μg/ml

=

200 ml LB.

+ 200 μl Kanamycin

+ 2 ml IPTG (of 100 mg/ml)

\* \_\_\_\_\_

100 mg/ml v = 1 × 200 ml

v =  $\frac{1 \times 200}{100} = 2 \text{ ml}$