

# EPi - Procedure

## ✓ 1. Dilute wash buff

$$\begin{array}{r} 15 \text{ mL GU1} \\ 135 \text{ mL H}_2\text{O} \\ \hline 150 \text{ mL diluted GU1} \end{array}$$

## ✓ 2. Prep curve

①	②	③	④	⑤
4 $\mu\text{L}$ neat GU3 36 $\mu\text{L}$ GU2 40 $\mu\text{L}$ @ 10 ng/mL	20 $\mu\text{L}$ 20 $\mu\text{L}$ GU2 40 $\mu\text{L}$ @ 5 ng/mL	20 $\mu\text{L}$ 20 $\mu\text{L}$ GU2 40 $\mu\text{L}$ @ 2.5 ng/mL	16 $\mu\text{L}$ 24 $\mu\text{L}$ GU2 40 $\mu\text{L}$ @ 1 ng/mL	20 $\mu\text{L}$ ⑥ 36 $\mu\text{L}$ 20 $\mu\text{L}$ GU2 40 $\mu\text{L}$ @ 0.5 ng/mL 40 $\mu\text{L}$ @ 0.4 $\mu\text{g}$

## ✓ 3. Load samples + stds

28  $\mu\text{L}$  GU2  
2  $\mu\text{L}$  sample or std

• Load neg control  
30  $\mu\text{L}$  GU2

✓ → 4. Incubate:  
37°C - 40 min  
60°C - 40 min

✓ 5. GU 4, 37°C - 30 min

✓ 6. Wash x3

✓ 7. GU 5

• dilute

1 $\mu\text{L}$ GU5	2.5 $\mu\text{L}$ GU5
999 $\mu\text{L}$ GU1 diluted	2497.5 $\mu\text{L}$ GU1
1000 $\mu\text{L}$ @ 1:1000	2500 $\mu\text{L}$ @ 1:1000

• 50  $\mu\text{L}$  @ RT - 60 min

✓ 8. wash x4

✓ 9. GU 6

• dilute

1 $\mu\text{L}$ GU6	2.5 $\mu\text{L}$ GU6
999 $\mu\text{L}$ GU1	2497.5 $\mu\text{L}$ GU1
1 $\mu\text{L}$ @ 1:1000	2500 $\mu\text{L}$ GU1

• 50  $\mu\text{L}$  @ RT - 30 min

10. wash 5x

11. GU 7

• dilute:

250 $\mu\text{L}$	250 $\mu\text{L}$ GU1
2250 $\mu\text{L}$	2500 $\mu\text{L}$ @ 1:1000
1 $\mu\text{L}$ GU7	100 $\mu\text{L}$
999 GU1	900 $\mu\text{L}$ GU1
1:1000	1 $\mu\text{L}$ @ 1:10,000

• 50  $\mu\text{L}$  @ RT - 30 min

12. Wash 5x

13. 100  $\mu\text{L}$  GU 8 1-5 min  
\*away from light

14. 50  $\mu\text{L}$  GU 9 to stop  
• Read @ 450