MINI PREP PROTOCOL USING QIAGEN CHEMICAL SOLUTIONS

Overnight Cultures

1. Add 5ml of LB broth to a 15ml conical tube.
2. Add 20ul ampicillin [stock 25mg/ml] [final 100ug/ml]
3. Pick a colony from the plate with loop and shake loop in LB amp broth.
4. Repeat for all plates that DNA will be obtained from.
5. Place all the tubes in the warm room and shake at 250rpm's overnight.

Protocol

1. Transfer 1mL of culture to a 1.5ml microfuge Tube
2. Centrifuge 10K rpm for 3min
3. Pour off supernatant
4. Add 100ul P1 Qiagen solution to resuspend pellet with gentle mixing
5. Add 100ul P2 Qiagen solution
6. Incubate at room temp for 5 minutes
7. Add 100ul P3 Qiagen solution
8. Incubate on ice for 20 minutes
9. Centrifuge 13K rpm for 5 min
10. Transfer supernatant to a clean tube
11. Add 800ul isopropanol and invert tube to mix
12. Centrifuge 13K rpm for 5 minutes
13. Aspirate off supernatant, be careful of loose pellet
14. Resuspend pellet in 40uL TE or dH_2O. If small pellet, then resuspend in small volume.
15. Incubate at Room temp for 20 minutes
16. Spec sample with Nano Drop