DNA mini prep

1. Grow 10 ml of cells till late log phase
2. Harvest cells in 15 ml falcon tube
3. wash once with 5 ml of sterile water
4. Resuspend in 0.5 ml of lysis buffer 1.
5. Add 0.4 ml of glass beads
6. Add 25 µl of 5M NaCl
7. Vortex at high setting for 2-3 min
8. Spin at 2000 RPM for 2 min.
9. Transfer the liquid to an eppendorf tube using P-1000.
10. Add 500 µl of phenol, vortex and spin for one min.
11. Take aqueous layer and extract once with 500 µl of chloroform and isoamyl alcohol.
12. Add 1 ml of 95% alcohol and precipitate for 1 hr in -20^0C.
13. Pellet DNA by spinning down for 5 min at high speed.
14. Wash pellet with 70% alcohol.
15. Resuspend in 250 µl of 1XTE
16. Add 5 µl of proteinase K (10 mg/ml stock) and incubate at 37^0C for 30 min.
17. Add 250 µl of 5M ammonium acetate and repeat step 12-14
18. Resuspend the DNA in 100 µl of 1XTE