

PEG PRECIPITATION (plasmid DNA isolation)

Prepared by Ms Alex Aitken

1. Resuspend DNA in 500 μ l TE
2. Add 500 μ l 1.6M NaCl containing 13%(w/v) PEG 8000
3. Mix well
4. Centrifuge max speed 10min 4C
5. Discard supernatant
6. Resuspend pellet in 400 μ l TE
7. Add 1/20th volume 3M NaAce (ie 20 μ l)
8. Add 1.8 volumes of ethanol (ie 756 μ l)
9. Cool for 5min at -20
10. Centrifuge max speed 15min 4C
11. Discard supernatant
12. Add 200 μ l 70%ethanol
13. Centrifuge max speed 15min 4C
14. Discard supernatant
15. Air dry 10min
16. Resuspend in a suitable volume of TE or dH₂O
17. Store at -20C