



Appendix D: Genomic DNA Cleanup

If a gDNA preparation is suspected of containing inhibitors or if the DNA sample is too dilute, the following cleanup procedure can be used:

1. Add 0.5 volumes of 7.5 M NH₄OAc, 2.5 volumes of absolute ethanol (stored at -20 °C) and 1µl Glycogen (5 mg/mL) to gDNA
2. Vortex and incubate at -20 °C for at least 1 hr (or overnight incubation at -20 °C)
3. Centrifuge at 12,000 x g in a microcentrifuge at 4°C for 20 min.
4. Remove supernatant and wash pellet with 500µl of 80% ethanol.
5. Centrifuge at 12,000 x g at 4°C for 5 min.
6. Remove the 80% ethanol and repeat the 80% ethanol wash one more time.
7. Resuspend the pellet in reduced EDTA TE Buffer (10 mM Tris-HCl pH 8.0, 0.1 mM EDTA) using the volume required for the intended concentration