Phenol/chloroform extraction

1. Add an equal volume of phenol/chloroform to the DNA-containing solution.
2. Vortex for 15 seconds.
3. Centrifuge for 3 minutes.
4. Remove upper aqueous layer and place in a fresh eppendorf.
5. If aqueous layer is 200µl or less, add an equal volume of TE or H_2O to the remaining phenol solution and vortex.
6. Centrifuge for 3 minutes and combine aqueous layers.

Ethanol precipitation

1. Add one tenth volume of 3M NaAc, pH 5.2 (and 1µl glycogen if DNA is less than 500bp) to aqueous solution.
2. Add 2.5-3 volumes of cold 100% EtOH.
3. Place at -20°C overnight or at -70°C for 30 mins. [20 mins will be OK]
4. Centrifuge for 15 mins at 4°C then discard s/n.
5. Wash pellet with 1ml cold 70% EtOH and invert to mix.
6. Recentrifuge for 10 mins at 4°C and again discard s/n.
7. Dry pellet under vacuum then resuspend in 50µl/10µl TE. Vortex briefly and spin to bring down suspension. Store at -20°C.

Resuspend fragments in H_2O