**Ethanol Precipitation of DNA**

Reagents Needed:

• 3 M sodium acetate pH 7

• DNA

• 100% IPA, 80% EtOH

Protocol

1. Measure the volume of the DNA sample.
2. Add 1/10 volume of sodium acetate, pH 7, (final concentration of 0.3 M) - These amounts assume that the DNA is in TE only; if DNA is in a solution containing salt, adjust salt accordingly to achieve the correct final concentration.
3. Mix well (no vortex).
4. Add 100ul of cold 100% IPA (calculated after salt addition).
5. Mix well.
6. Place at -80 degrees C for 1 hour/O.N
7. Spin a maximum speed in a 4C centrifuge 30 min.
8. Carefully decant supernatant with pipettor.
9. Washing: add 1 ml 80% ethanol. Mix.
10. Spin a maximum speed in a 4C centrifuge 5 min.
11. Washing: add 1 ml 80% ethanol. Mix.
12. Spin a maximum speed in a 4C centrifuge 5 min.
13. Carefully decant supernatant.
14. Resuspend pellet in the appropriate volume of TE or water – place opened in 50 degrees C for 5 minutes.