# General Protocol for Precipitation of DNA with Sodium Acetate and Ethanol

For ethanol precipitation of DNA from solution, the solution needs to have a high salt concentration. usually, this must be added in the form of sodium acetate (Na-Ac, the best salt for this purpose) or NaCl. After the solution has been adjusted with salt, 100% ethanol is added so the final EtOH concentration is 70% and the final salt concentration is 0.3M.

## Protocol

1. Measure volume of DNA solution. Then add appropriate quantities of 3 M Na-Acetate and 100% EtOH added so the final EtOH concentration is 70% and the final salt concentration is 0.3M.

2. [optional] Add 1 ul of 10mg/ml tRNA (this acts as a carrier for small amounts of DNA).

3. After adding the NaAc and EtOH, cap, mix briefly, and centrifuge on high for 10 min.

4. While visualizing the pellet on the bottom of the tube, carefully pour out the supernatant (its OK to leave a little super behind).

5. Wash the pellet by adding 1 ml 70 % EtOH.

6. If pellet comes loose at this step, then re-centrifuge for 2 min.

7. Discard super as before.

8. Remove last traces of 70 % EtOH using a drawn out glass pipette or equalivent.

9. Dry under vacuum dissector for 5 min.

10. Ready for resuspension.