EtOH Precipitation of DNA

- Primarily used to clean-up DNA that has been stored in phenol

1. In the 2ml epi tube containing the DNA sample to clean, add 1ml of COLD 100% ethanol and 100ul sodium acetate (NaOAc) pH 5.2
    a. Mix by inverting
2. Place in -20C freezer for at least 3 hours, overnight is fine
3. Spin at 14,000rpm in a chilled centrifuge at 4C for 10-15min
    a. Room temp centrifugation may not lower yield (I suspect)
4. Discard supernatant
    a. Careful not to disturb pellet!
    b. Pellet may be invisible
5. Re-suspend in 1ml fresh 70% ethanol, centrifuge for 5min at 14,000rpm
6. Discard supernatant
7. Dry pellet in SpeedVac for up to 10min at low or medium heat
8. Re-suspend pellet in 1xTE or Qiagen AE buffer
    a. Generally use 50-200ul depending on amount of DNA present
    b. Thermomixer is probably ideal at RT