ETHANOL PRECIPITATION OF NUCLEIC ACIDS IN AQUEOUS SOLUTION

1. Determine approximate volume of solution
2. Add either 1/2 volume of 7.5 M ammonium acetate
   -or-
   1/10 volume of 3 M sodium acetate pH 5.3
3. Add 2.5 to 3 (original) volumes of cold ethanol
4. Mix, and incubate on ice (or at -20°C) 15 minutes to overnight
5. Centrifuge 15-20 minutes at high speed (in microfuge for small volumes, or in SS34 at 8 000 rpm)
6. Discard supernatant
7. Wash pellet by adding one original volume cold 70% ethanol
8. Recentrifuge if pellet has become dislodged
9. Discard supernantant
10. Dry pellet either by air drying at room temperature or with Speed-Vac