Ethanol Precipitation of DNA

is a method used to purify and concentrate DNA

Protocol:

1. Add 1/10 volume of sodium acetate (3 M, pH 5.2) to the sample
2. Add 2.5–3.0 X volume (calculated after addition of sodium acetate) of at least 95% ethanol
3. Incubate min. 1,5 hour at -20°C
4. Centrifuge at 4°C, 12000 g, 15 min
5. Discard supernatant being careful not to throw out DNA pellet which may or may not be visible.
6. Rinse with 1ml 70% ethanol (-20°C)
7. Centrifuge at 4°C, 12000 g, 5 min
8. Discard supernatant,dry the pellet totally by leaving it open for 5'
9. Dissolve pellet in TE buffer or nuclease-free water (50-100μl)