



Ethanol precipitation of DNA

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🏷️ Tags	→ Purification
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Reagents Needed:

- 3 M sodium acetate, pH 5.2
- DNA
- 100% ethanol (molecular biology grade)

Protocol

1. Measure the volume of the DNA sample.
2. Add 1/10 volume of sodium acetate, pH 5.2 (final concentration of 0.3 M).
3. Mix well.
4. Add 2 to 2.5 volumes of cold 100% ethanol (calculated after sodium acetate addition).
5. Mix well.
6. Place at -80°C for >20 minutes.
7. Spin at maximum speed in a microcentrifuge for 10 min at 4°C

8. Carefully decant supernatant.
9. Add 1 ml 70% ethanol. Mix. Spin at maximum speed in a microcentrifuge for 5 min at 4°C.
10. Carefully decant supernatant. Air dry to dry pellet.
11. Resuspend pellet in the appropriate volume of nuclease-free water