

Ethanol precipitation

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Add sodium acetate (3 M, pH 5.2; final 0.3 M) to DNA solution and mix well.

Add exactly 2 volumes of ice-cold ethanol, vortex briefly, and store at – 20 °C for 30 min.

Spin at maximum speed at 4 °C for 20 min.

Remove S/N and fill the microfuge tube with 1 ml of 70% ethanol. It is not necessary to break the pellet.

Spin at maximum speed at 4 °C for 2 min.

Remove S/N.

N. B. Do not try to remove the last drop of ethanol at this step.

Briefly spin and remove residual ethanol using pipettor.

Air-dry until the last traces of fluid have evaporated. It usually takes 10-15 min.

Add the desired volume of 10 mM Tris (pH 8.0) or H₂O and vortex vigorously.

Spin briefly and measure DNA concentration.