

# Ethanol Precipitation of RNA Oligonucleotides

## Materials for each oligonucleotide sample

### Consumables

1. 2.0 mL microfuge tubes

### Chemicals

1. Ethanol
2. 3 M sodium acetate
3. Molecular Grade Water, RNase-free (Dharmacon Cat# B-003000-WB-100)

## Procedure

1. Split the RNA into 400  $\mu$ L aliquots in 2.0 mL microfuge tubes.
2. Add 50  $\mu$ L of 3 M sodium acetate (final concentration 0.3 M).
3. Add 1.5 mL ethanol per tube.
4. Vortex 10 seconds.
5. Store at  $-20^{\circ}\text{C}$  overnight or at  $-80^{\circ}\text{C}$  for 2 hours.
6. Centrifuge at  $13,000 \times g$  for 20 minutes ( $4^{\circ}\text{C}$ ).
7. Pour the supernatant from the tube.
8. Slowly pipette 200  $\mu$ L of 95% Ethanol onto the pellet.
9. Pour the 95% Ethanol from the tube.
10. Dry the sample under vacuum with a lyophilizer or speed-vac.
11. The dry pellet can be stored at  $-20^{\circ}\text{C}$  until use or resuspended in an appropriately buffered RNase-free solution.

## Reference

R. Griffey, H. Sasmor, personal communications.

### If you have any questions, contact

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