



RNA re-precipitation protocol

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Working



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ABSTRACT

If the RNA you have extracted is not pure and contains some residual contamination, as shown by poor Nanodrop ratios, you can reprecipitate the RNA, wash it and re-dissolve it to purify it.

MATERIALS

| NAME ▾ | CATALOG # ▾ | VENDOR ▾ |
|---------------------------|-------------|-------------------|
| ethanol | | |
| Sodium Acetate 3M, pH 5.2 | R1181 | Thermo Scientific |

- 1 Add 10% volume 3M sodium acetate pH 5.2 and 250% volume ethanol. So if your RNA solution is 100 ul, add 10 ul NaAc solution and 250 ul ethanol.
- 2 Mix well and put on dry ice for 30 min or -20 overnight
- 3 Centrifuge max speed 30 min at 4 C, remove supernatant
- 4 3 washes with 75% ethanol kept on dry ice. For example, add 900 ul 75% ethanol, centrifuge 5 min at max speed (~ 21,000 g), remove ethanol, three times.
- 5 10 min RT in hood drying
- 6 flick tubes for 1 minute
- 7 1 min at 80 C in heat-block
- 8 Resuspend in DEPC water

9 Assess the quality of the RNA using Nanodrop and Qubit.



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