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RNA re-precipitation protocol

Version 2

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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 Anhydrous Certified AR for Analysis Fisher Chemical	S/2120/53	Fisher Scientific

1 Make Sodium Acetate 3M, pH 5.2.

2 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.

3 Mix well and put on dry ice for 30 min or -20 overnight

4 Centrifuge max speed 30 min at 4 C, remove supernatant

5 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.

6 10 min RT in hood drying

7 flick tubes for 1 minute

8 1 min at 80 C in heat-block

9 Resuspend in DEPC water

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