

Excellent RNA should have A260/A280 ~ 2.0, and A260/A230 > 2.0

If you are unsatisfied with the quality indicating ratios (A260/A280, but especially A260/A230), follow the CSH protocol by Rio et al. (2010)

<http://cshprotocols.cshlp.org/content/2010/6/pdb.prot5439.full>

<http://cshprotocols.cshlp.org/content/2010/6/pdb.prot5438.full>

<http://cshprotocols.cshlp.org/content/2010/6/pdb.prot5440.full>

After their ethanol precipitation, we wash the pellet by 70% ethanol before dissolve the pellet by DEPC-treated H₂O. Note that although the quality indicating ratios will be significantly improved, the yield can be reduced to a half comparing with conventional Trizol purification procedure.