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DNase I treatment in solution (after RNA extraction)

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1 Works for me dx.doi.org/10.17504/protocols.io.75ghq3w

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ABSTRACT

This is a protocol used for the Dnase treatment after RNA isolation with the RNeasy mini kit. Protocol is based on the RNase-Free DNase Set and the RNeasy Mini Handbook 10/2013, Qiagen 'Appenix E: DNase Digestion of RNA before RNA Cleanup'.

EXTERNAL LINK

https://www.qiagen.com/ie/products/discovery-and-translational-research/dna-rna-purification/rna-purification/total-rna/rneasy-mini-kit/#resources

1 Check the concentrations of DNA and RNA with Qubit.

2 DNase I Stock solution was made from the Promega Maxwell 16 LEV SimplyRNA kit DNase by adding 275 µL nuclease free water to the lyophilized DNase I.

3 Prepare a mastermix of 5 µL Buffer RDD (RNase-Free DNase Set) + 1.25 µL DNase I stock (Promega Maxwell 16 LEV simplyRNA kit) + eluted sample. Make the volume up to 50 µL with RNase-free water (RNase-Free DNase Set).

4 Incubate the mixture on room temperature for 60 minutes.

5 Check the concentrations of DNA and RNA with Qubit again.