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 We use this protocol and it's working

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🌐 Removal of genomic DNA from RNA preparations (Thermo Scientific)- (M4455 Version)

🔗 Forked from [Removal of genomic DNA from RNA preparations \(Thermo Scientific \)](#)

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ABSTRACT

Removal of genomic DNA from RNA preparations

GUIDELINES

allways waer gloves and work on ice

1

Add to an RNase free tube:

RNA	1 µg
10X reaction buffer with MgCl ₂	1 µl
DNase I, RNase-free	1 µl (1U)
Water	to 10 µl

2 Incubate at 37 °C for 30 min

🌡 37 °C

🕒 00:30:00

3 Add EDTA, Water and PCI and vortex thoroughly.

🧴 1 µL EDTA

🧴 80 µL Water

🧴 100 µL PCI (phenol chloroform isoamyl alcohol)

4 Centrifuge for 10 min at 10000 rpm and 4 °C

5 transfer the upper phase into a fresh tube and add 3 volumen EtOH/ 3M Natrumacetat (30:1, ph 5.2)

6 precipitate RNA over night at -20 °C

7 Centrifuge 30 min at 13000 rpm and 4 °C

🌡 4 °C

🕒 00:30:00

8 Discard supernatant and wash pellet with 75% EtOH (do not resuspend the pellet)

9 Centrifuge 10 min at 13000 rpm and 4 °C

4 °C

00:10:00

10 repeat washing step

Centrifuge

11 Discard supernatant and dry pellet for 10 - 15 min

12 resuspend pellet with 30 µl H₂O