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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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M4455 - Synthetische B...



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**Protocol status:** Working

We use this protocol and it's working

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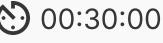
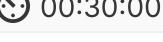
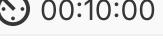
## Abstract

Removal of genomic DNA from RNA preparations

## Guidelines

allways waer gloves and work on ice

- 1 

<b>Add to an RNase free tube:</b>	
RNA	1 µg
10X reaction buffer with MgCl <sub>2</sub>	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  go to step #8 repeat washing step

 [go to step #9 Centrifuge](#)

11 Discard supernatant and dry pellet for 10 - 15 min

12 resuspend pellet with 30 µl H<sub>2</sub>O