# Removal of genomic DNA from RNA preparations (Thermo Scientific ) Version 2

**Maximilian Dietsch**

## Abstract

Removal of genomic DNA from RNA preparations

**Citation:** Maximilian Dietsch Removal of genomic DNA from RNA preparations (Thermo Scientific ). **protocols.io** dx.doi.org/10.17504/protocols.io.kzzcx76
**Published:** 27 Nov 2017

## Guidelines

allways waer gloves and work on ice

## Protocol

### Step 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 |

### Step 2.

Incubate at 37 °C for 30 min

TEMPERATURE
37 °C Additional info:

### Step 3.

Add EDTA, Water and PCI and vortex thoroughly.

AMOUNT
1 µl Additional info: EDTA
AMOUNT
80 µl Additional info: Water

AMOUNT

100 µl Additional info: PCI (phenol chloroform isoamyl alcohol)

**Step 4.**

Centrifuge for 10 min at 10000 rpm and 4 °C

**Step 5.**

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

**Step 6.**

precipitate RNA over night at -20 °C

**Step 7.**

Centrifuge 30 min at 13000 rpm and 4 ° C

TEMPERATURE

4 °C Additional info:

**Step 8.**

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

**Step 9.**

Centrifuge 10 min at 13000 rpm and 4 °C

TEMPERATURE

4 °C Additional info:

**Step 10.**

GOTO

Centrifuge -> go to step #9

**Step 11.**

Discard supernatant and dry pellet for 10 - 15 min

**Step 12.**

resupend pellet with 30 µl $H_20$