

QuantiNova Reverse Transcription Kit

Fast cDNA synthesis with the added reliability of built-in controls

Overview

Procedure

Rule out errors

Integrated gDNA removal

Wide input range

Ordering information



Procedure

cDNA in 20 minutes with no gDNA contamination!

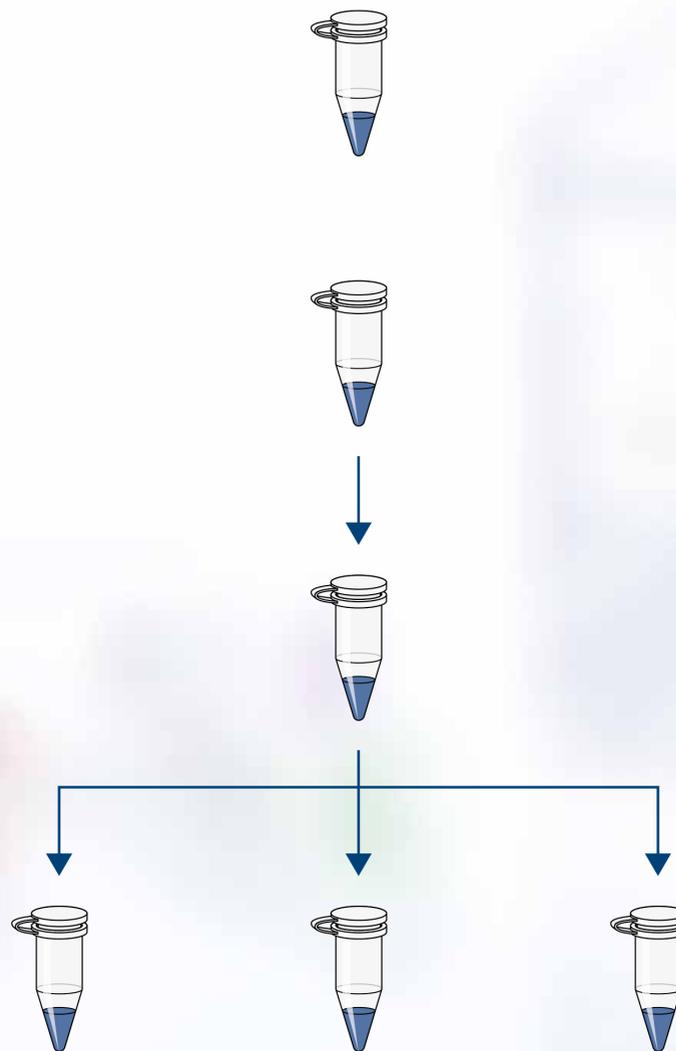


Download Quick-Start Protocol

Overview

Procedure

QuantiNova Reverse Transcription Kit



RNA

- Add gDNA Removal Buffer (incl. RNase Inhibitor)
- Optionally add QN IC RNA

RNA (free of gDNA)

- Add RT-Master Mix
- 3 min at 25°C, 10 min at 45°C, 5 min at 85°C

cDNA ready for downstream applications

Real-time PCR

- QuantiNova Probe PCR
- QuantiNova SYBR Green PCR
- QuantiNova Multiplex PCR

Rule out errors

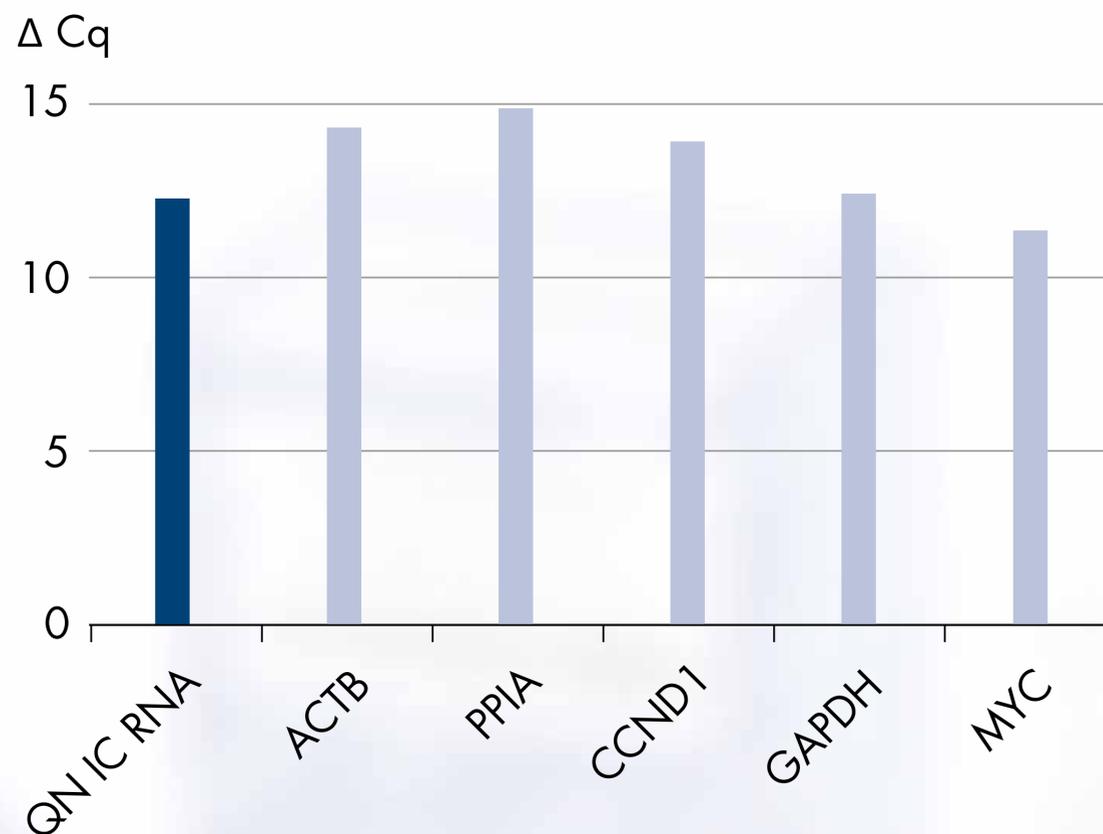
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The QuantiNova IC RNA reports instrument or chemistry failures, set-up errors and inhibitor presence



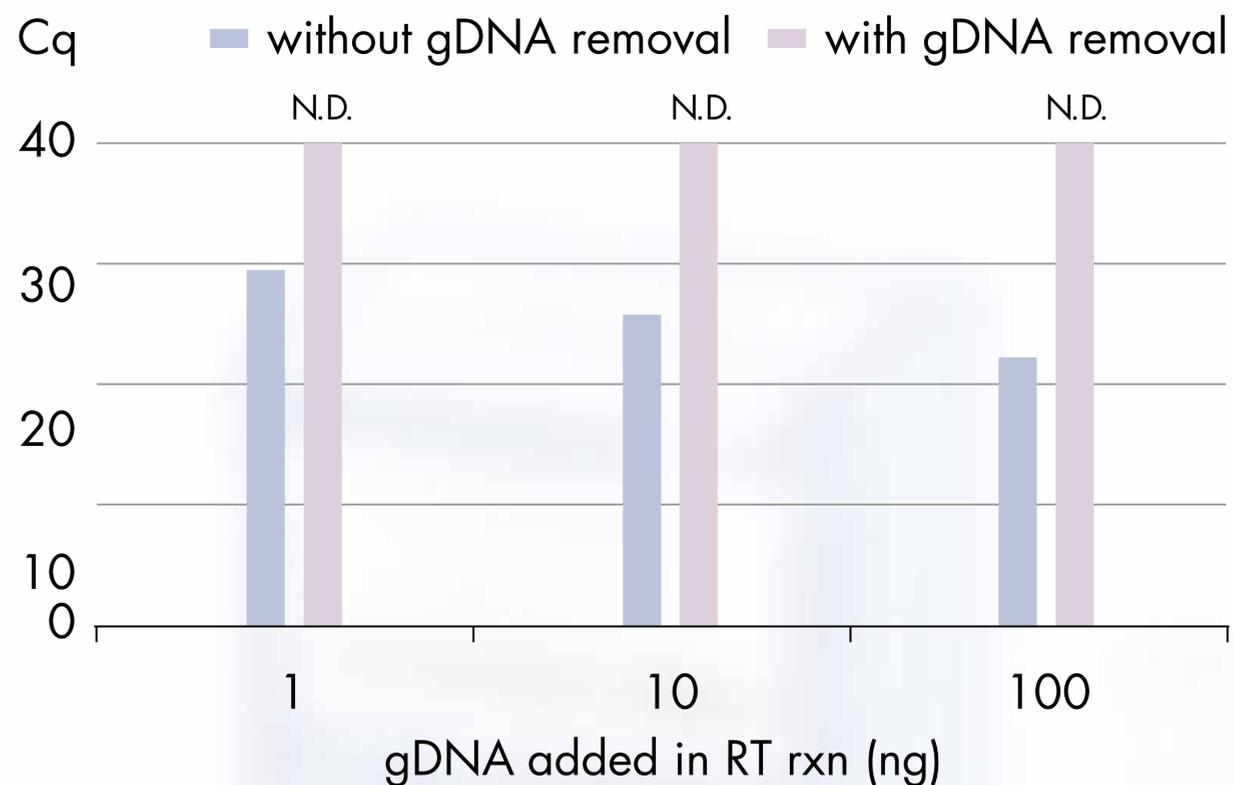
RNA samples, including QuantiNova Internal Control RNA, were tested with and without the addition of inhibitor, using two-step, RT-qPCR.



Internal control reliably detects inhibitor presence

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Effective gDNA removal ensures precise quantitation



(N.D. = not detected)

Two-step, RT-qPCR of ACTB with and without gDNA removal step.



Effective gDNA removal prevents Cq shifts caused by DNA contamination

Precise quantitation from 5 µg – 10 pg RNA

Overview

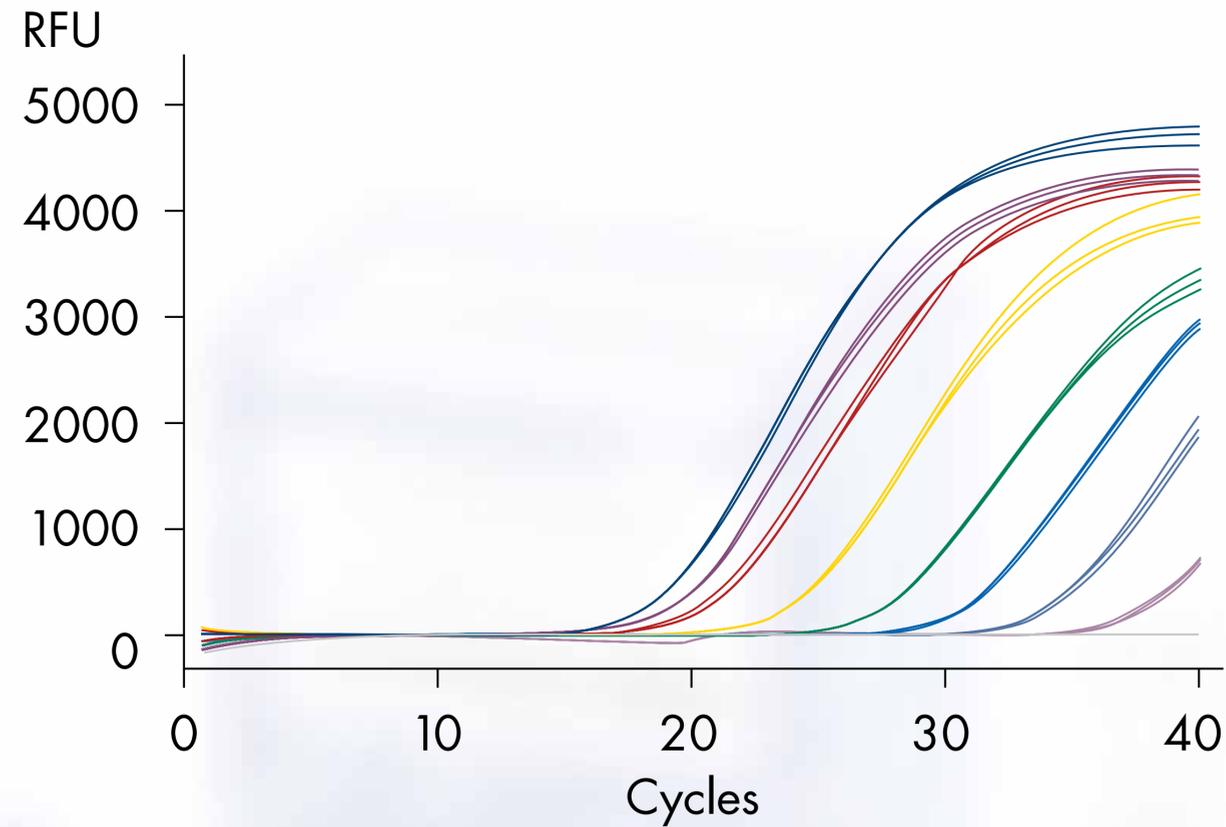
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cDNA was effectively synthesized from the complete range of a RPS27A total RNA serial dilution (5 µg/2.5 µg/1 µg/100 ng/10 ng/1 ng/100 pg/10 pg RNA). Two-step, RT-qPCR was performed.



Precise quantitation over a wide range of input amounts

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Product	Description	Cat. no.
<u>QuantiNova Reverse Transcription Kit (10)</u>	20 µl 8x gNDA Removal Mix, 10 µl Reverse Transcription Enzyme, 40 µl Reverse Transcription Mix (containing RT primers), 20 µl IC RNA, 1.9 ml RNase-Free Water	205410
<u>QuantiNova Reverse Transcription Kit (50)</u>	100 µl 8x gNDA Removal Mix, 50 µl Reverse Transcription Enzyme, 200 µl Reverse Transcription Mix (containing RT primers), 100 µl IC RNA, 1.9 ml RNase-Free Water	205411
<u>QuantiNova Reverse Transcription Kit (200)</u>	4x 100 µl 8x gNDA Removal Mix, 4 x 50 µl Reverse Transcription Enzyme, 4 x 200 µl Reverse Transcription Mix (containing RT primers), 4 x 100 µl IC RNA, 4 x 1.9 ml RNase-Free Water	205413

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at www.qiagen.com or can be requested from QIAGEN Technical Services or your local distributor.

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