

QIAGEN OneStep *Ahead* RT-PCR Kit

Overview

Fast, easy, highly sensitive and specific RT-PCR

Principle

Procedure

Visual pipetting control

Room-temperature stability

Detect low level RNA

Challenging RNA templates

Ordering information



Overview

Principle

Procedure

Visual pipetting control

Room-temperature stability

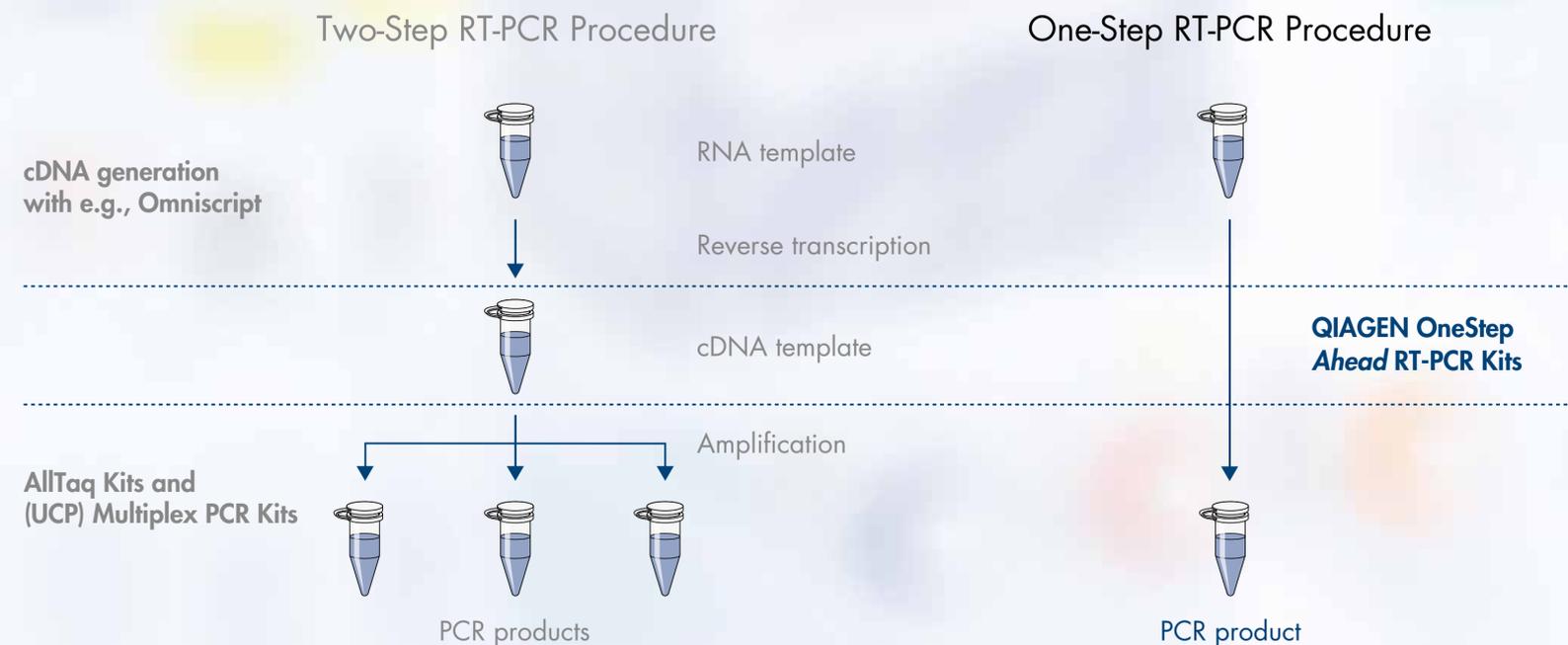
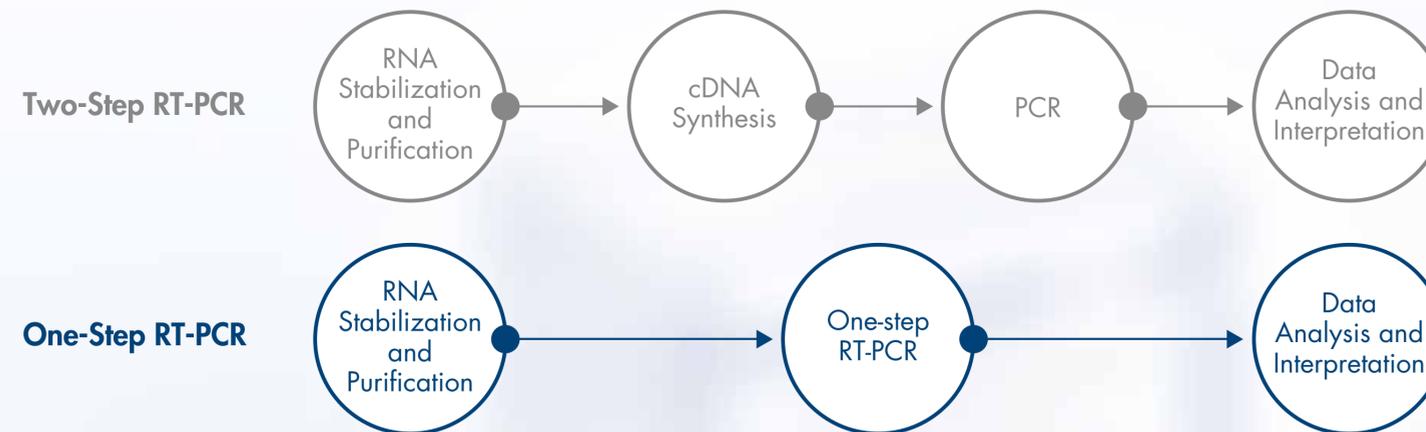
Detect low level RNA

Challenging RNA templates

Ordering information

Principle

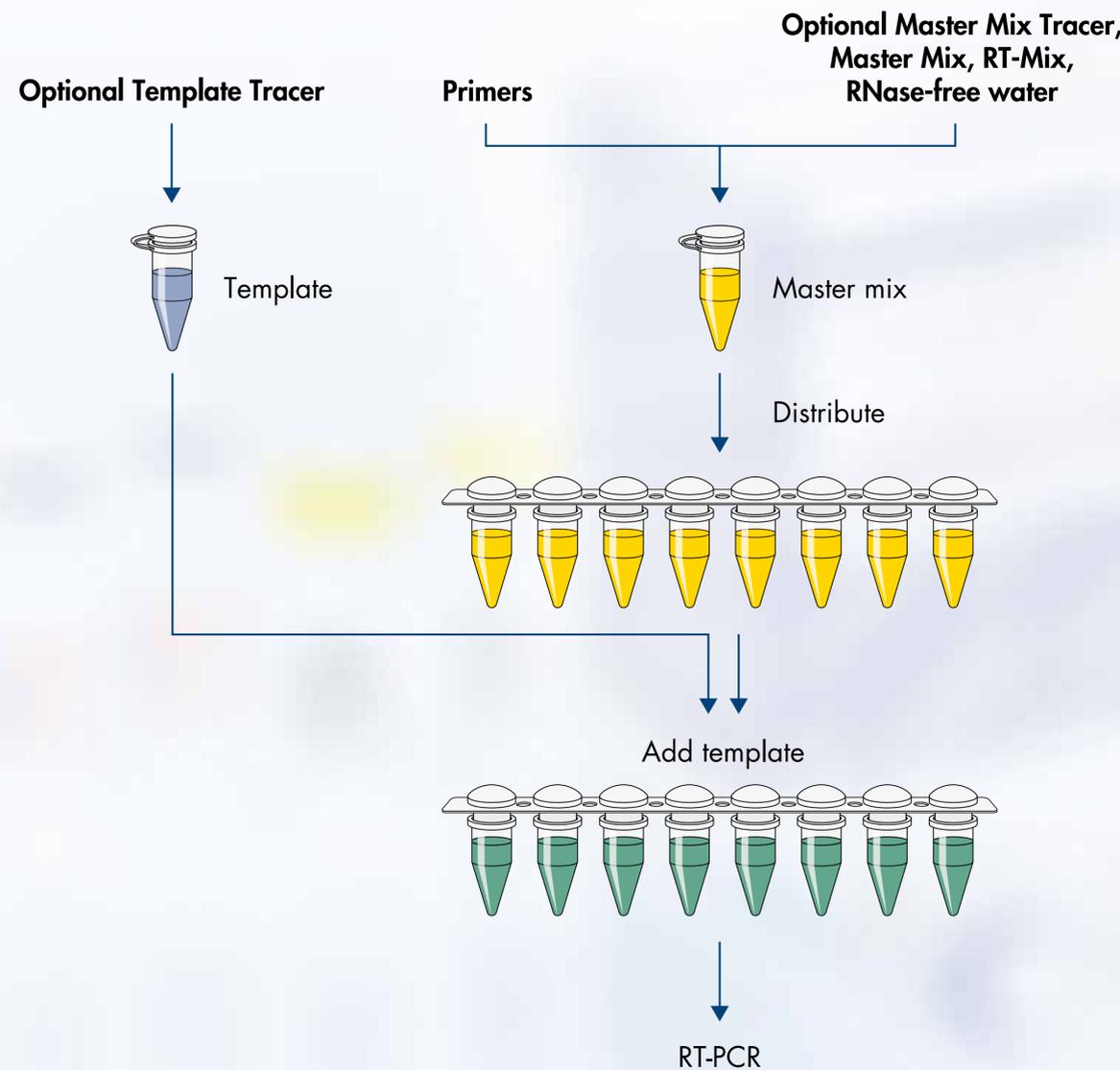
In one-step RT-PCR, cDNA synthesis and PCR take place in the same tube



Procedure

Fast and easy RT-PCR setup: 60 minute total run time!

OneStep *Ahead* RT-PCR Procedure



Download Quick-Start Protocol

The blue Template Tracer dye and the orange Master Mix Tracer dye turn green when combined – allowing tracking of pipetted samples.

Overview

Principle

Procedure

Visual pipetting control

Room-temperature stability

Detect low level RNA

Challenging RNA templates

Ordering information

Pipetting control prevents errors during reaction set-up

Overview

Principle

Procedure

Visual
pipetting
control

Room-
temperature
stability

Detect low
level RNA

Challenging
RNA templates

Ordering
information



The dyes also serve as gel loading and tracking dyes



Simple color change verifies correct pipetting

Overview

Principle

Procedure

Visual pipetting control

Room-temperature stability

Detect low level RNA

Challenging RNA templates

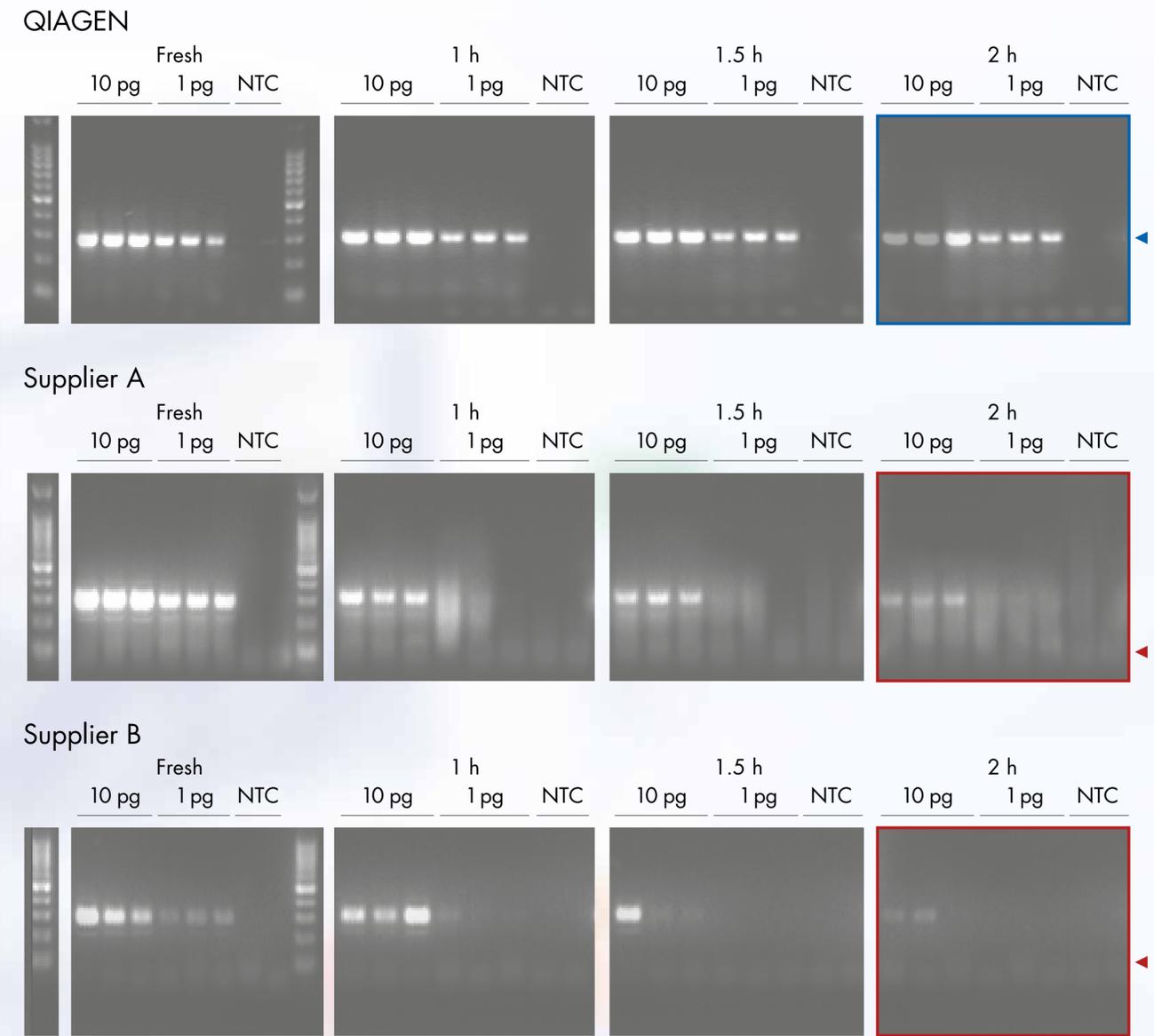
Ordering information

Superior room-temperature stability for convenient reaction setup



Hot-start RT-enzymes inactive at ambient temperatures

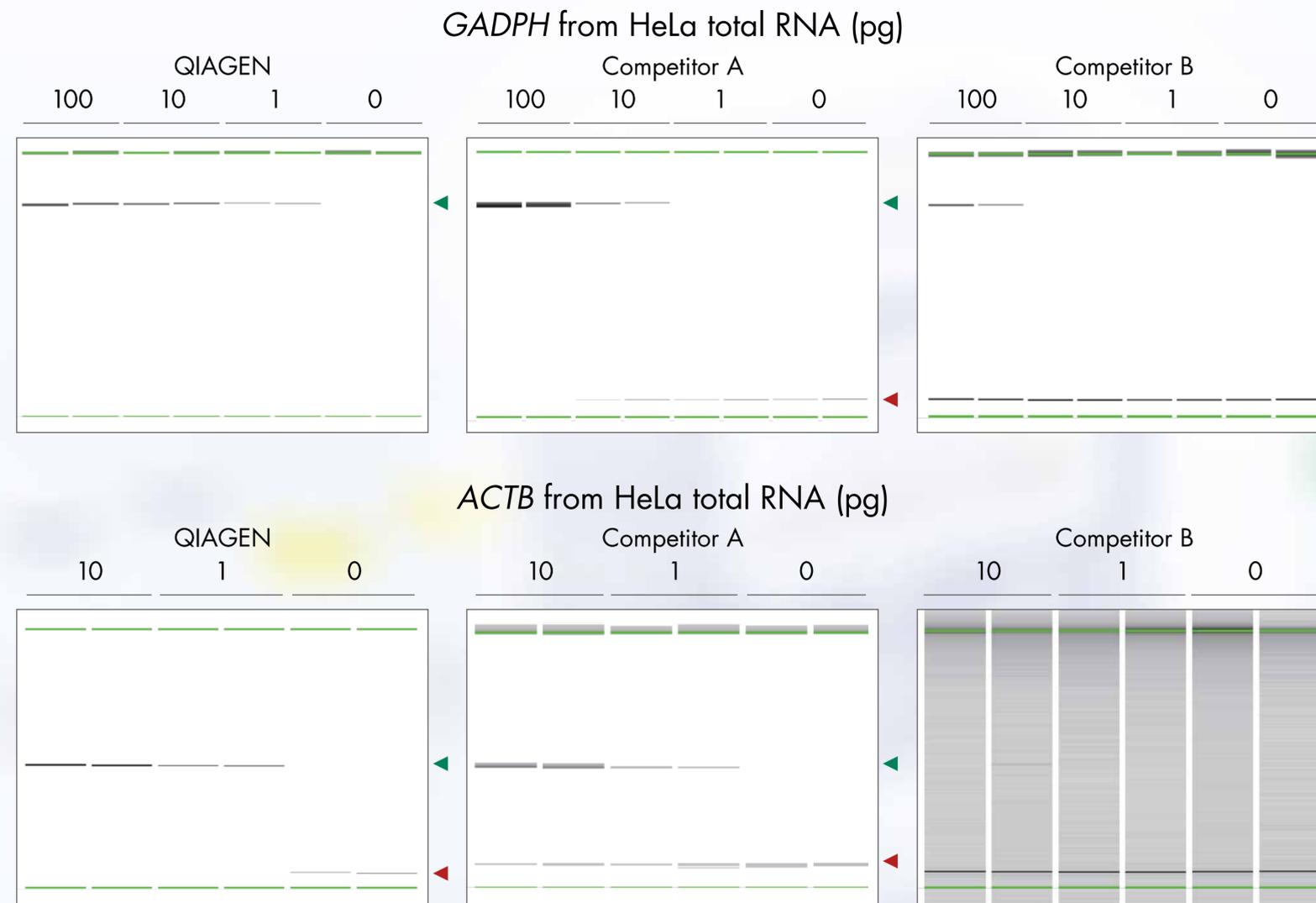
ACTB was amplified from total RNA. Reactions were setup on ice or left at room temperature for up to 2 h.



▶ Blue arrow – specific product
▶ Red arrows – primer dimers

Sensitive and specific detection of low RNA content samples

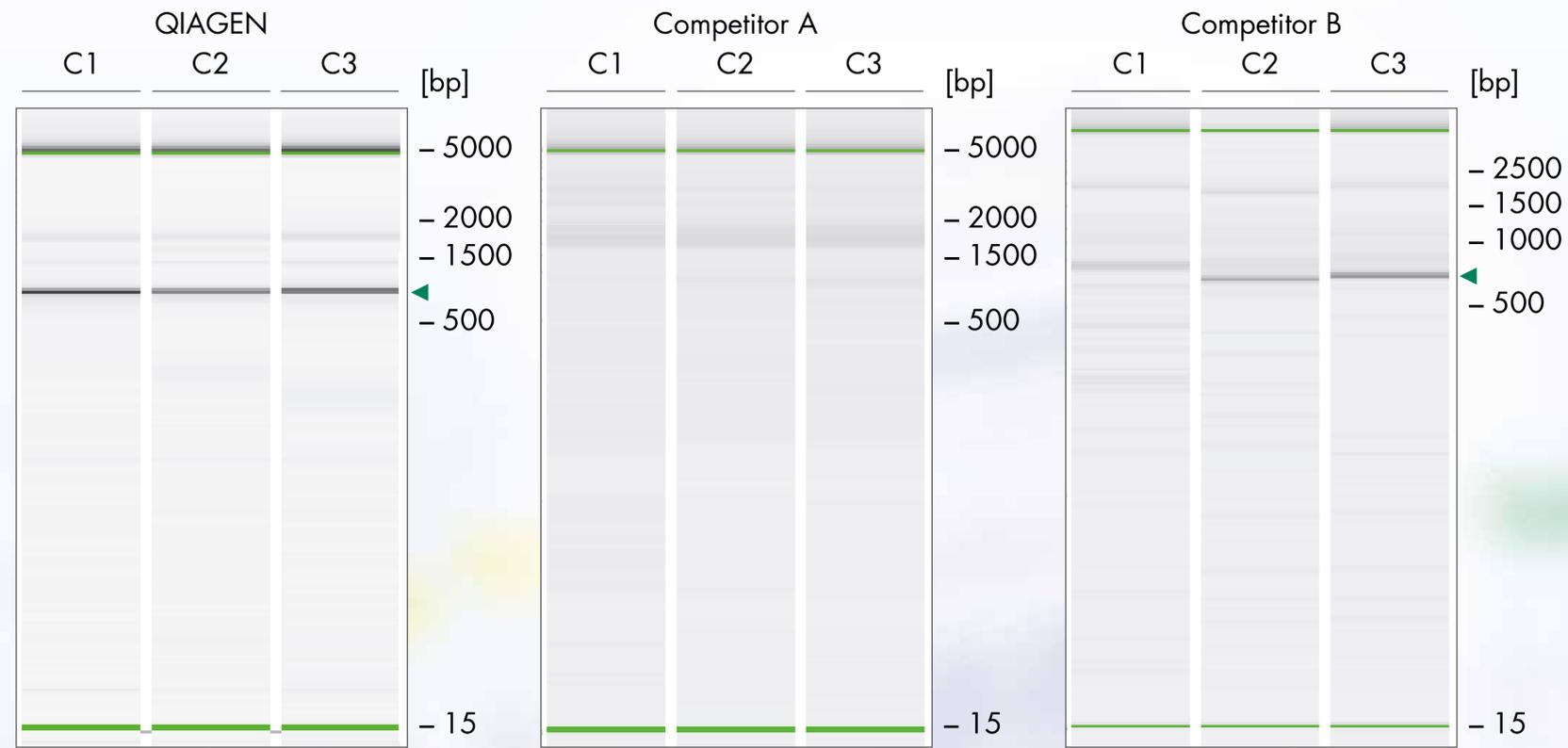
- Overview
- Principle
- Procedure
- Visual pipetting control
- Room-temperature stability
- Detect low level RNA
- Challenging RNA templates
- Ordering information



✓ Superior sensitivity and specificity

- Overview
- Principle
- Procedure
- Visual pipetting control
- Room-temperature stability
- Detect low level RNA

No loss of sensitivity with even the most challenging templates



TNFRI (581 bp) with a GC ratio of 67.1% was amplified from HeLa total RNA (100 ng), in triplicate.



Q-Solution facilitates reliable reverse transcription of GC-rich templates

Ordering Information

Overview
Principle
Procedure
Visual pipetting control
Room-temperature stability
Detect low level RNA
Challenging RNA templates

Product	Description	Cat. no.
<u>QIAGEN OneStep Ahead RT-PCR Kit (50)</u>	6 vials for 50 reactions: 1 x 500 µl OneStep Ahead RT-PCR Master Mix, 1 x 50 µl OneStep Ahead RT Mix, 1 x 200 µl Template Tracer, 1 x 50 µl Master Mix Tracer, 1 x 1.9 ml water, 1 x 400 µl Q-Solution	220211
<u>QIAGEN OneStep Ahead RT-PCR Kit (200)</u>	8 vials for 200 reactions: 2 x 1 ml OneStep Ahead RT-PCR Master Mix, 1 x 200 µl OneStep Ahead RT Mix, 1 x 200 µl Template Tracer, 1 x 50 µl Master Mix Tracer, 2 x 1.9 ml water, 1 x 2 ml Q-Solution	220213
<u>QIAGEN OneStep Ahead RT-PCR Kit (2000)</u>	75 vials for 2000 x 25 µl reactions: 20 x 1 ml OneStep Ahead RT-PCR Master Mix, 10 x 200 µl OneStep Ahead RT Mix, 10 x 200 µl Template Tracer, 10 x 50 µl Master Mix Tracer, 20 x 1.9 ml water, 5 x 2 ml Q-Solution	220216

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.

Trademarks: QIAGEN®, Sample to Insight®, Q-solution® (QIAGEN Group).

© 2018 QIAGEN, all rights reserved.

Ordering www.qiagen.com/contact | Technical Support support.qiagen.com | Website www.qiagen.com

[Visit Webpage](#)