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QIAGEN OneStep *Ahead* RT-PCR Kit

Fast, easy, highly sensitive and specific RT-PCR

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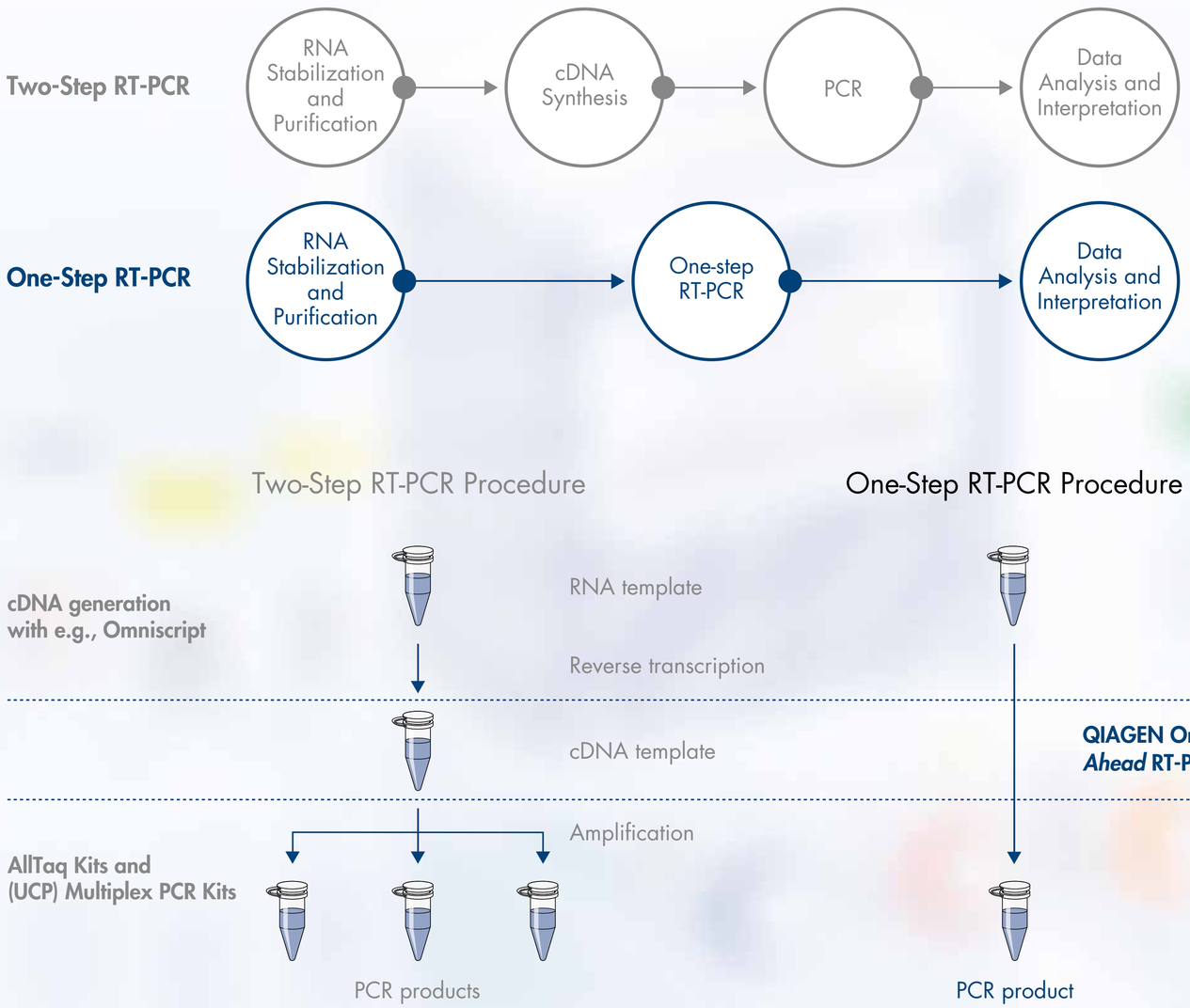
Principle

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



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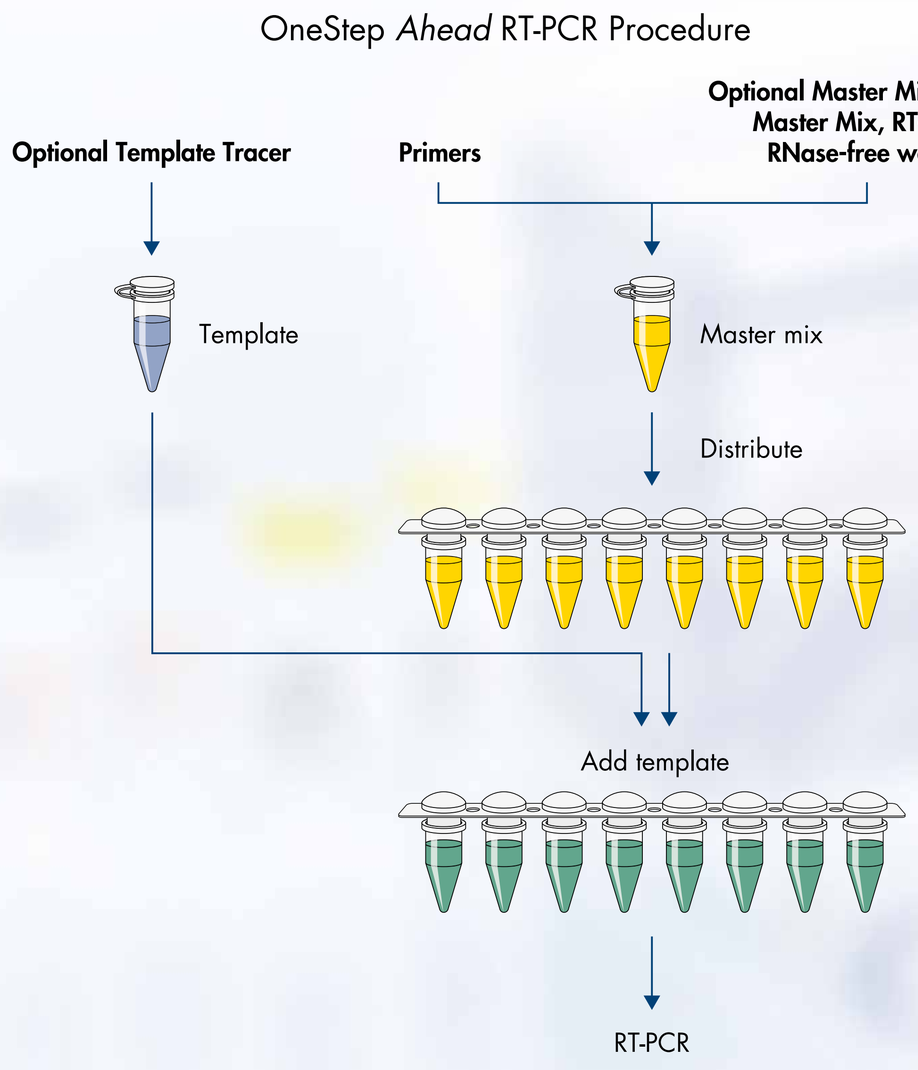
Procedure

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



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.

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Pipetting control prevents errors during reaction set-up

The dyes also serve as gel loading and tracking dyes

Simple color change verifies correct pipetting

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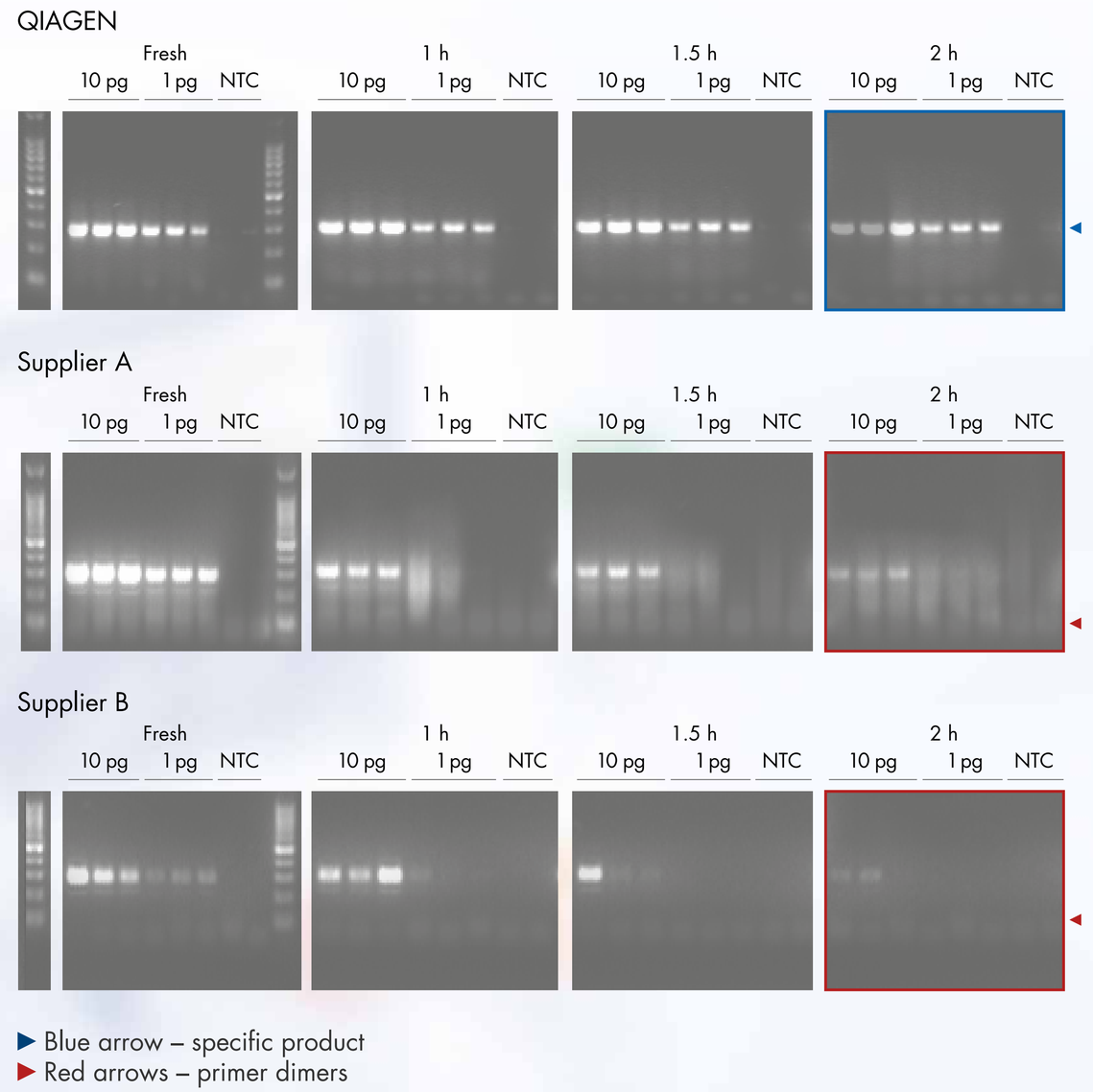
Superior room-temperature stability for convenient reaction setup

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.

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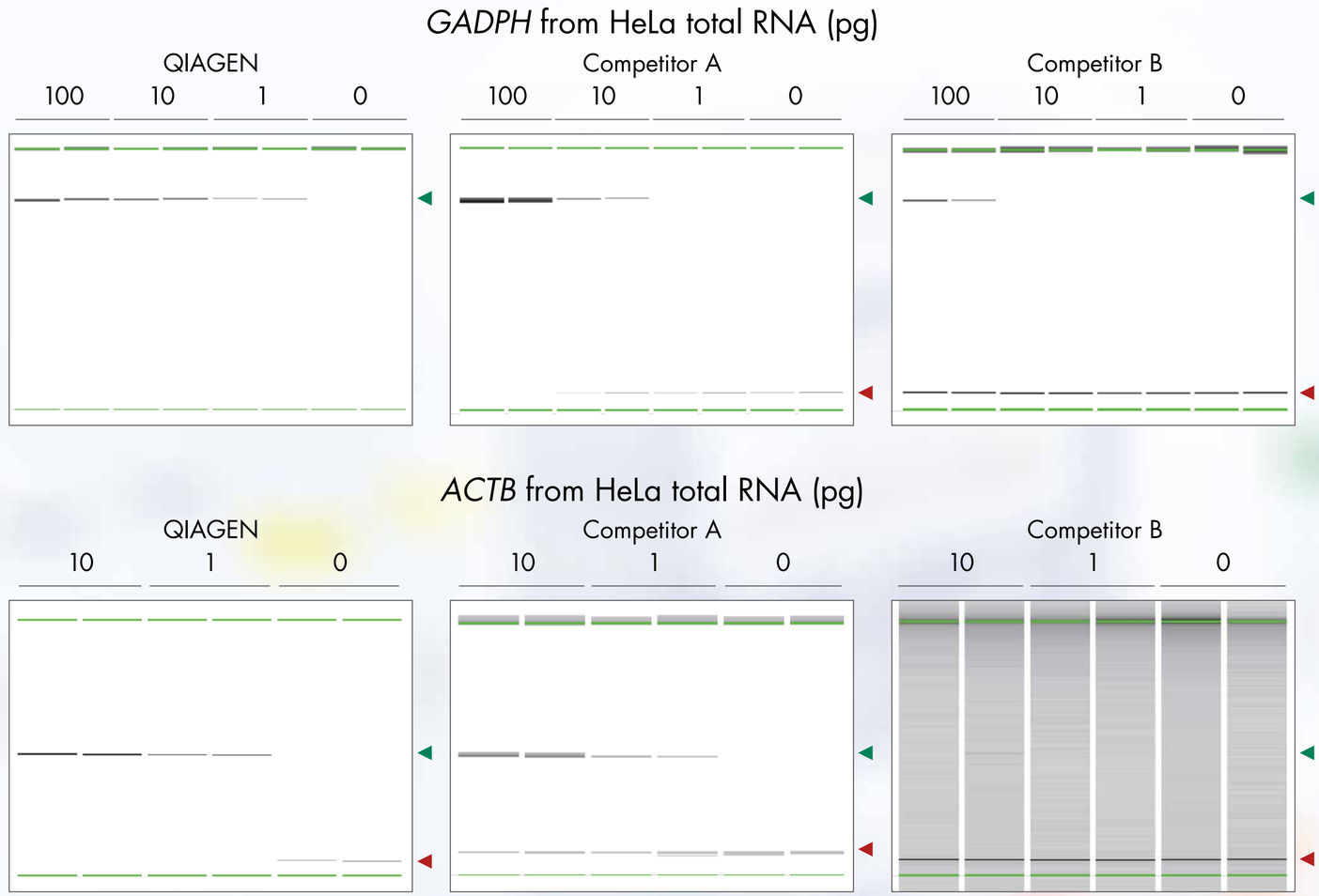
Sensitive and specific detection of low RNA content samples



Superior sensitivity and specificity

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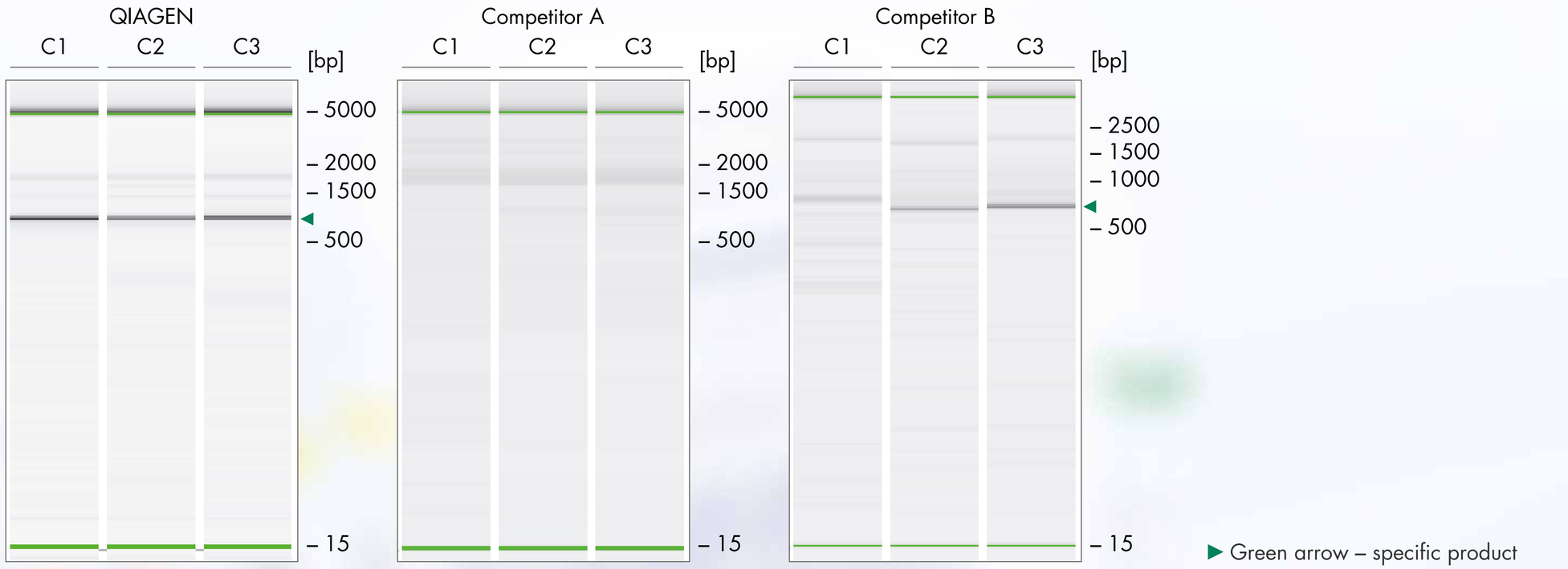
No loss of sensitivity with even the most challenging templates



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

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Product	Description	Cat. no.
QIAGEN OneStep *Ahead* RT-PCR Kit (50)	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
QIAGEN OneStep *Ahead* RT-PCR Kit (200)	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
QIAGEN OneStep *Ahead* RT-PCR Kit (2000)	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

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