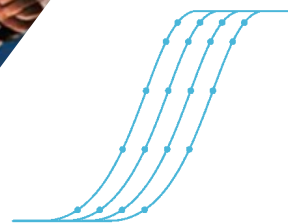


AzuraQuant™ Probe 1-Step qPCR Mix



qPCR. Faster. Better.

AzuraQuant™ Probe 1-Step qPCR Mix is a ready-to-use 2x master mix and companion 20x thermostable reverse transcriptase for use in highly sensitive RT-qPCR and has been formulated for probe-detection technology, including TaqMan®, Scorpions® and molecular beacon probes. AzuraQuant™ Probe 1-Step qPCR Mix utilizes a robust 2x master-mix and 20x AzuraSprint™, a thermostable Reverse Transcriptase and RNase inhibitor blend.

This highly efficient complex of enzymes provides for reproducible first-strand cDNA synthesis and real-time PCR in a single tube directly from RNA. AzuraQuant™ Probe 1-Step qPCR Mix delivers earlier quantification cycle values (Ct) and broad range detection for increased sensitivity, speed, reliability and reproducibility. The 2x master-mix can be used to quantify a specific target RNA from either total RNA or mRNA while reducing the number of pipetting steps and time to result.

Applications

- TaqMan gene expression analysis directly from RNA
- Low-copy number detection from viral RNA samples
- Gene Expression analysis
- Pathogen detection
- Detection of Sequence variants

Flexibility

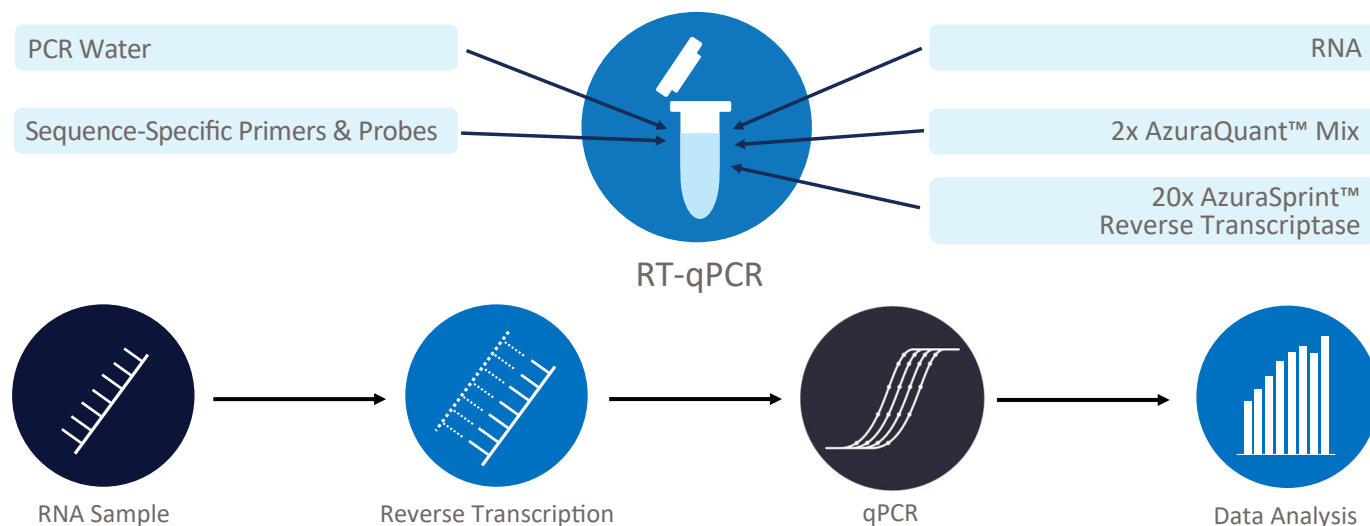
Compatible with standard and fast cycling instruments and a wide range of cycling parameters

Accurate Quantification

Hot-Start chemistry reduces primer-dimer formation and allows room-temperature assembly

Superior Multiplex Capability

Advanced formulation provides unrivaled sensitivity in singleplex as well as complex multiplex assays



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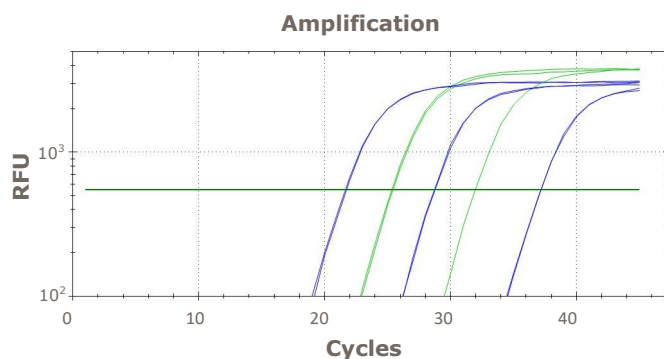


Fig 1. Improved Sensitivity in RT-qPCR of Flu B target.

Fast and highly sensitive RT-qPCR of Flu B target from 10, 1,000 and 100,000 virus particles per reaction using AzuraQuant™ Probe 1-Step qPCR Mix LoRox (purple) against competitor QiaGen RT-qPCR master mix (green) using the FAM channel. AzuraQuant™ Probe 1-Step qPCR Mix LoRox exhibits superior performance with higher and lower copy number samples.

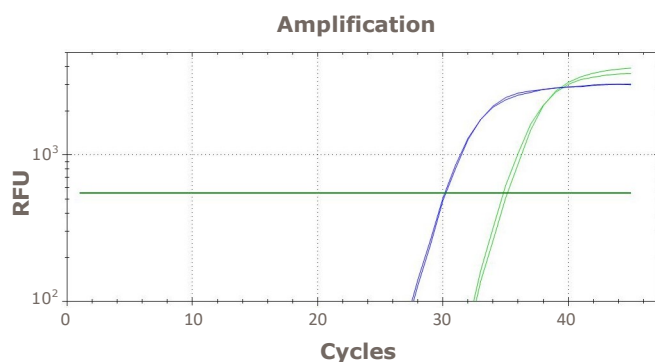


Fig 2. Improved Sensitivity in RT-qPCR of complex RSV target.

Fast RT-qPCR on complex viral RNA. Amplification of RSV target from 100 virus particles per reaction using AzuraQuant™ Probe 1-Step qPCR Mix LoRox (purple) against competitor QiaGen RT-qPCR master mix (green). AzuraQuant™ Probe 1-Step qPCR Mix LoRox exhibits improved sensitivity with this complex viral RNA target.

Products	Pack Size	Catalog No.
AzuraQuant™ Probe 1-Step qPCR Mix NoRox	100 Reactions / 1 x 1 mL	AZ-4301
AzuraQuant™ Probe 1-Step qPCR Mix NoRox	500 Reactions / 5 x 1 mL	AZ-4305
AzuraQuant™ Probe 1-Step qPCR Mix NoRox	2000 Reactions / 10 x 1 mL	AZ-4310
AzuraQuant™ Probe 1-Step qPCR Mix NoRox	5000 Reactions / 10 x 5 mL	AZ-4350
AzuraQuant™ Probe 1-Step qPCR Mix LoRox	100 Reactions / 1 x 1 mL	AZ-4101
AzuraQuant™ Probe 1-Step qPCR Mix LoRox	500 Reactions / 5 x 1 mL	AZ-4105
AzuraQuant™ Probe 1-Step qPCR Mix LoRox	2000 Reactions / 10 x 1 mL	AZ-4110
AzuraQuant™ Probe 1-Step qPCR Mix LoRox	5000 Reactions / 10 x 5 mL	AZ-4150
AzuraQuant™ Probe 1-Step qPCR Mix HiRox	100 Reactions / 1 x 1 mL	AZ-3901
AzuraQuant™ Probe 1-Step qPCR Mix HiRox	500 Reactions / 5 x 1 mL	AZ-3905
AzuraQuant™ Probe 1-Step qPCR Mix HiRox	2000 Reactions / 10 x 1 mL	AZ-3910
AzuraQuant™ Probe 1-Step qPCR Mix HiRox	5000 Reactions / 10 x 5 mL	AZ-3950

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