

AzuraQuant™ 4x RT-qPCR Virus Mix

qPCR. Faster. Better.

AzuraQuant™ 4x RT-qPCR Virus Mix is a high-performance 1-Step RT-qPCR master mix comprised of 4x AzuraQuant™ Probe Master Mix and 20x AzuraSprint™ Reverse Transcriptase with RNase inhibitor. The 4x master mix concentration enables higher sample input, maximizing sensitivity to low-copy RNA and DNA targets. The higher-concentration master mix also allows you to set up smaller volume reactions, enabling fast cycling protocols and excellent sensitivity. AzuraQuant™ 4x RT-qPCR Virus Mix is formulated for use with dual-labeled hydrolysis probes and is compatible with a wide range of fast and standard cycling conditions in singleplex and multiplex PCR. The advanced 4x formulation delivers robust performance with GC-rich and AT-rich templates and is resistant to many common PCR inhibitors.

In order to maximize compatibility with higher order multiplexing (>3 targets), AzuraQuant™ 4x RT-qPCR Virus Mix does not contain ROX passive reference dye.

Applications

- Pathogen detection of RNA and DNA viral targets
- Gene Expression Analysis
- Multiplex RT-qPCR and qPCR
- Low-copy number detection from viral and bacterial samples

Flexibility

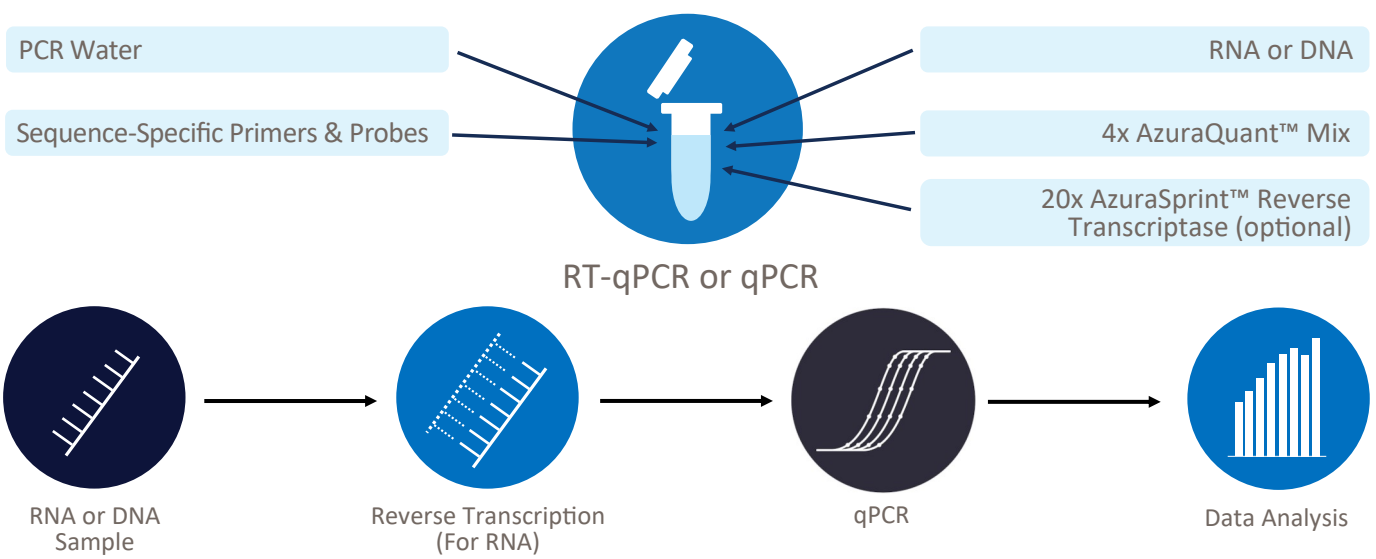
- Compatible with standard and fast cycling instruments
- Two component format allows efficient and cost-effective analysis of DNA or RNA
- 4x formulation provides for low-volume reactions and increased sample input

Accurate Quantification and Specificity

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

Superior Multiplex Capability

Advanced 4x formulation provides unrivaled sensitivity in singleplex and complex multiplex assays



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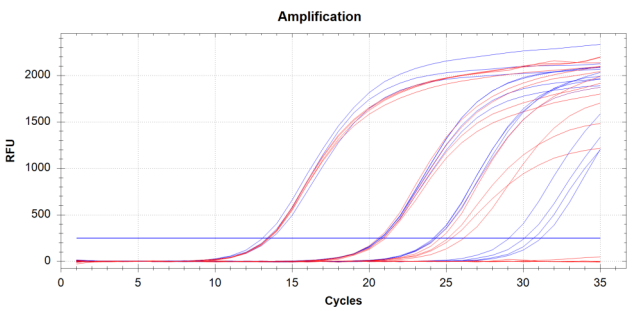


Fig 1. Improved RT-qPCR performance of Flu A Target
Highly sensitive RT-qPCR of Flu A target from 100, 1,000, 10,000 and 100,000 virus particles using AzuraQuant™ 4x RT-qPCR Virus Mix (blue) and competitor TP (red). AzuraQuant™ 4x RT-qPCR Virus Mix exhibits superior performance with higher and lower copy number samples.

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Products	Pack Size	Catalog No.
AzuraQuant™ 4x RT-qPCR Virus Mix	100 x 20 µL reactions	AZ-4601
AzuraQuant™ 4x RT-qPCR Virus Mix	500 x 20 µL reactions	AZ-4605
AzuraQuant™ 4x RT-qPCR Virus Mix	2000 x 20 µL reactions	AZ-4620
AzuraQuant™ 4x RT-qPCR Virus Mix	5000 x 20 µL reactions	AZ-4650

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