AzuraQuant™ Probe Fast qPCR Mix

qPCR. Faster. Better.

AzuraQuant™ Probe Fast qPCR Mix is a ready-to-use 2x master mix for use in real-time quantitative PCR assays and has been formulated for probe-detection technology, including TaqMan®, Scorpions® and molecular beacon probes.

AzuraQuant™ Probe Fast qPCR Mix is comprised of Azura HS Taq DNA Polymerase and an optimized buffer chemistry providing robust real-time PCR and broad range detection for increased sensitivity, speed and reproducibility. In addition, the 2x master mix exhibits excellent sensitivity in complex multiplex reactions, in which multiple amplicons can be detected without a loss in efficiency. AzuraQuant™ Probe Fast qPCR Mix requires little if any optimization and can be used to quantify DNA templates including cDNA, genomic DNA and low copy number viral sequences, while providing resistance to many PCR inhibitors.

AzuraQuant™ Probe Fast qPCR Mix also combines rapid antibody-mediated hot-start activation and processive enzyme chemistry, making it compatible with both standard and fast instrument cycling programs. In order to determine instrument compatibility and the most appropriate formulation, please refer to our qPCR Reagent Compatibility Tool.

Applications

- Probe-based detection of DNA and cDNA
- Gene Expression analysis
- 2-Step RT-qPCR
- Multiplex qPCR

Flexibility

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

Accurate Quantification and Specificity

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

Broad Compatibility

High-performance amplification from any DNA template including complex GC-rich sequences

Superior Multiplex Capability

Advanced formulation provides unrivaled sensitivity in single-plex as well as complex multiplex assays

Email: info@azuragenomics.com | Orders: sales@azuragenomics.com | Toll Free: 888-333-3895
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azura genomics™

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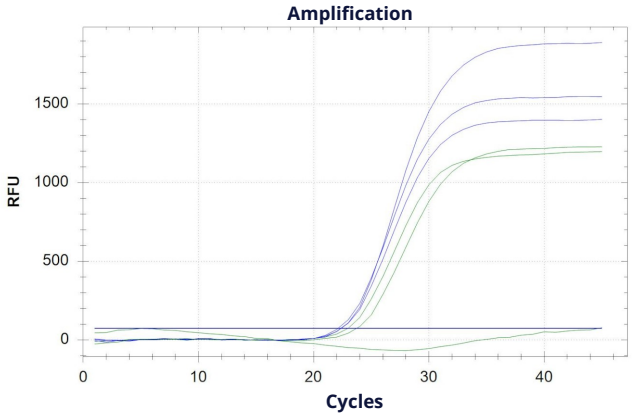

Fig 1. Improved Overall Performance in 2-Step RT-qPCR of VZV target
AzuraQuant™ Probe Fast qPCR Mix (purple) single-plex comparison data against competitor M (green) with 10^5 Varicella zoster virus (VZV particles) as DNA template.
2-Step Fast cycling conditions as follows: 95°C 2 min hot start, 45 cycles of 95°C 10 sec, 60°C 15 sec on BioRad CFX96

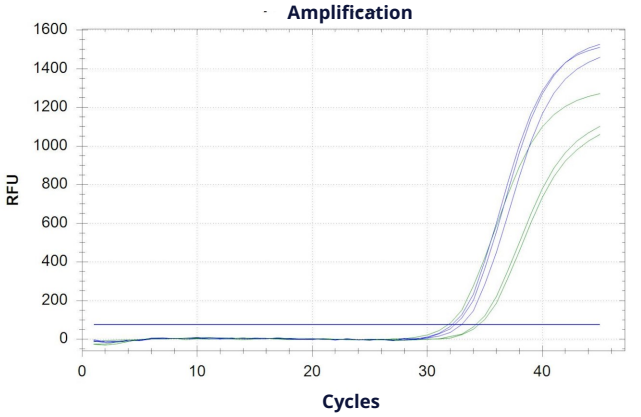

Fig 2. Improved Overall Performance in 2-Step RT-qPCR of low copy number VZV Target:
AzuraQuant™ Probe Fast qPCR Mix single-plex comparison data against competitor M (green) with 10^2 Varicella zoster virus (VZV particles) as DNA template.
2-Step Fast cycling conditions as follows: 95°C 2 min hot start, 45 cycles of 95°C 10 sec, 60°C 15 sec on BioRad CFX96

Products	Pack Size	Catalog No.
AzuraQuant™ Probe Fast qPCR Mix HiRox	100 Reactions / 1 x 1 mL	AZ-2701
AzuraQuant™ Probe Fast qPCR Mix HiRox	500 Reactions / 5 x 1 mL	AZ-2705
AzuraQuant™ Probe Fast qPCR Mix HiRox	2,000 Reactions / 20 x 1 mL	AZ-2720
AzuraQuant™ Probe Fast qPCR Mix HiRox	5,000 Reactions / 10 x 5 mL	AZ-2750
AzuraQuant™ Probe Fast qPCR Mix LoRox	100 Reactions / 1 x 1 mL	AZ-2801
AzuraQuant™ Probe Fast qPCR Mix LoRox	500 Reactions / 5 x 1 mL	AZ-2805
AzuraQuant™ Probe Fast qPCR Mix LoRox	2,000 Reactions / 20 x 1 mL	AZ-2820
AzuraQuant™ Probe Fast qPCR Mix LoRox	5,000 Reactions/ 10 x 5 mL	AZ-2850
AzuraQuant™ Probe Fast qPCR Mix NoRox	100 Reactions / 1 x 1 mL	AZ-2901
AzuraQuant™ Probe Fast qPCR Mix NoRox	500 Reactions / 5 x 1 mL	AZ-2905
AzuraQuant™ Probe Fast qPCR Mix NoRox	2,000 Reactions / 20 x 1 mL	AZ-2920
AzuraQuant™ Probe Fast qPCR Mix NoRox	5,000 Reactions / 10 x 5 mL	AZ-2950

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