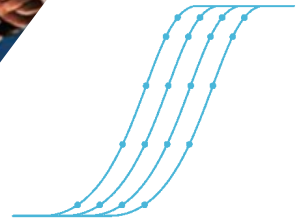


# AzuraQuant™ Green 1-Step qPCR Mix



## qPCR. Faster. Better.

AzuraQuant™ Green 1-Step qPCR Mix is comprised of a robust, ready-to-use 2x master mix with companion 20x AzuraSprint™, a thermostable reverse transcriptase and RNase inhibitor blend for use in highly sensitive real-time SYBR® RT-qPCR directly from RNA templates. This extremely efficient complex of enzymes provides for reproducible first-strand cDNA synthesis and real-time PCR in a single tube.

AzuraQuant™ Green 1-Step qPCR Mix also contains a non-inhibitory intercalating dye and incorporates dUTP, which provides for the optional use of uracil DNA glycosylase to control carry-over contamination. 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.

In order to determine instrument compatibility and the most appropriate formulation, please refer to our qPCR Reagent Compatibility Tool.

### Applications

- Fluorescent SYBR® Green detection directly from RNA
- Gene expression analysis
- Pathogen detection
- Detection of sequence variants

### Flexibility

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

### Convenience

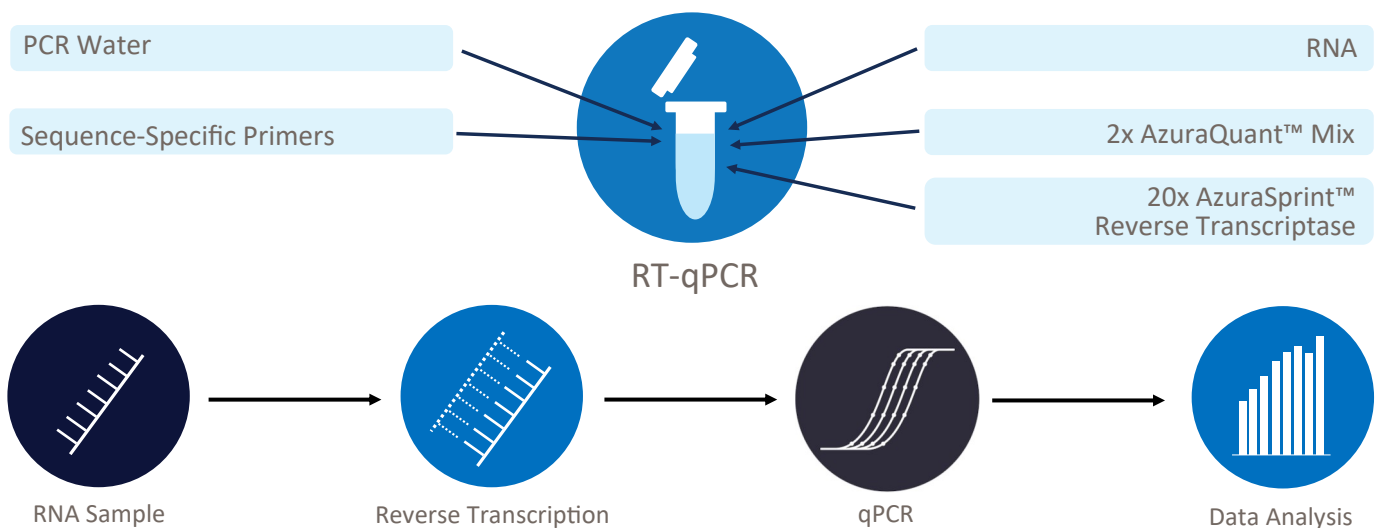
One-Tube, One-Step SYBR® Green RT-qPCR directly from RNA

### Sensitivity and Speed

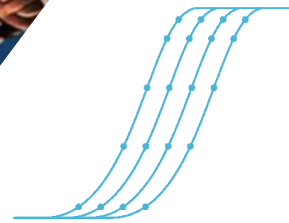
A non-inhibitory intercalating dye and optimized buffer chemistry provide an increased limit of detection

### Excellent Stability

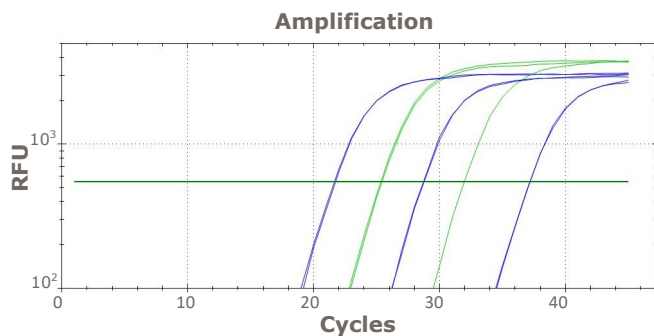
Increased resistance to ambient temperatures and up to 40 freeze-thaw cycles



# AzuraQuant™ Green 1-Step qPCR Mix

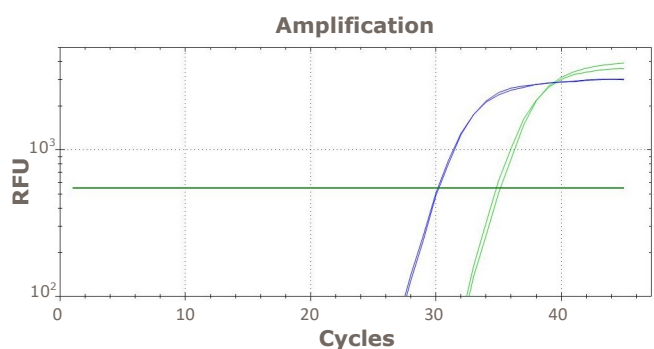


## qPCR. Faster. Better.



**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™ Green 1-Step qPCR Mix LoRox (purple) against competitor Qiagen RT-qPCR master mix (green). AzuraQuant™ Green 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™ Green 1-Step qPCR Mix LoRox (purple) against competitor Qiagen RT-qPCR master mix (green). AzuraQuant™ Green 1-Step qPCR Mix LoRox exhibits improved sensitivity with this complex viral RNA target.

### Applications

- Fluorescent SYBR® Green detection directly from RNA
- Gene expression analysis
- Pathogen detection
- Detection of sequence variants

### Flexibility

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

### Convenience

One-Tube, One-Step SYBR® Green RT-qPCR directly from RNA

### Sensitivity and Speed

A non-inhibitory intercalating dye and optimized buffer chemistry provide an increased limit of detection

### Excellent Stability

Increased resistance to ambient temperatures and up to 40 freeze-thaw cycles

Products	Pack Size	Catalog No.
AzuraQuant™ Green 1-Step qPCR Mix LoRox	100 Reactions / 1 x 1 mL	AZ-3701
AzuraQuant™ Green 1-Step qPCR Mix LoRox	500 Reactions / 5 x 1 mL	AZ-3705
AzuraQuant™ Green 1-Step qPCR Mix LoRox	1,000 Reactions / 10 x 1 mL	AZ-3710
AzuraQuant™ Green 1-Step qPCR Mix LoRox	5,000 Reactions / 10 x 5 mL	AZ-3750
AzuraQuant™ Green 1-Step qPCR Mix HiRox	100 Reactions / 1 x 1 mL	AZ-3501
AzuraQuant™ Green 1-Step qPCR Mix HiRox	500 Reactions / 5 x 1 mL	AZ-3505
AzuraQuant™ Green 1-Step qPCR Mix HiRox	1,000 Reactions / 10 x 1 mL	AZ-3510
AzuraQuant™ Green 1-Step qPCR Mix HiRox	5,000 Reactions / 10 x 5 mL	AZ-3550

Email: [info@azuragenomics.com](mailto:info@azuragenomics.com) | Orders: [sales@azuragenomics.com](mailto:sales@azuragenomics.com) | Toll Free: 888-333-3895

[azuragenomics.com](http://azuragenomics.com)

