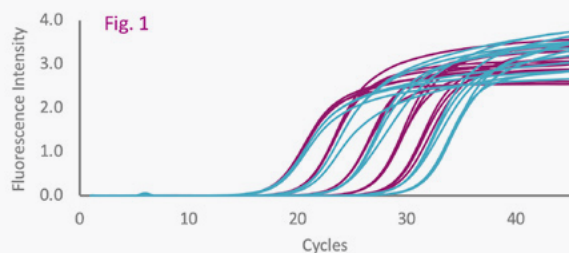


AzuraQuant™ Green 1-Step qPCR Mix

qPCR. Faster. Better.

The AzuraQuant™ Green 1-Step qPCR Mix is a ready-to-use 2x master mix and companion 20x thermostable reverse transcriptase for use in highly sensitive real-time SYBR™ RT-qPCR assays directly from RNA templates.

The AzuraQuant™ Green 1-Step qPCR Mix utilizes a robust 2x master-mix and 20x AzuraScript, 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™ 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 Reagents Compatibility Tool.



Comparison of AzuraQuant Green 1-Step qPCR (purple) against competitor Qiagen (blue)

Applications

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

Flexibility

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

Convenience

One-Tube, One-Step SYBR Green qPCR directly from Total RNA

Sensitivity and Speed

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

Fig 1. Shows amplification traces of the ACTG1 gene from a dilution series of total RNA extracted from rat liver

Total RNA concentration varied from 20pg to 200ng per 20µl PCR reaction

AzuraQuant Green 1-Step qPCR Mix exhibits equal performance at high RNA concentrations and superior performance at lower RNA concentrations

Cycling conditions: 45°C 10 min cDNA synthesis, 95°C 2 min hot start, 45 cycles of 95°C 10 sec, 60°C 10 sec on BioRad CFX96

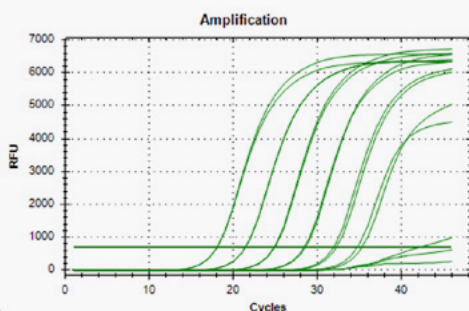
Products	Pack Size	Catalog No.	Price
AzuraQuant™ Green 1-Step qPCR Mix LoRox	100 Reactions / 1 x 1 mL	AZ-3701	\$145
AzuraQuant™ Green 1-Step qPCR Mix LoRox	500 Reactions / 5 x 1 mL	AZ-3705	\$655
AzuraQuant™ Green 1-Step qPCR Mix LoRox	1000 Reactions / 10 x 1 mL	AZ-3710	\$1195
AzuraQuant™ Green 1-Step qPCR Mix LoRox	5000 Reactions / 10 x 5 mL	AZ-3750	\$4895
AzuraQuant™ Green 1-Step qPCR Mix HiRox	100 Reactions / 1 x 1 mL	AZ-3501	\$145
AzuraQuant™ Green 1-Step qPCR Mix HiRox	500 Reactions / 5 x 1 mL	AZ-3505	\$655
AzuraQuant™ Green 1-Step qPCR Mix HiRox	1000 Reactions / 10 x 1 mL	AZ-3510	\$1195
AzuraQuant™ Green 1-Step qPCR Mix HiRox	5000 Reactions / 10 x 5 mL	AZ-3550	\$4895

AzuraQuant™ Probe 1-Step qPCR Mix

qPCR. Faster. Better.

The 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.

The AzuraQuant™ Probe 1-Step qPCR Mix utilizes a robust 2x master-mix and 20x AzuraScript, 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 and low-copy number detection from viral RNA samples
- Gene expression analysis
- 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 unrivalled sensitivity in singleplex as well as complex multiplex assays

LEFT: Highly efficient 1-Step detection of the 18S rRNA fragment in a dilutions series of RNA from 10 pg to 10 µg using AzuraQuant Probe 1-Step qPCR Mix LoRox.

Products	Pack Size	Catalog No.	Price
AzuraQuant™ Probe 1-Step qPCR Mix NoRox	100 Reactions / 1 x 1 mL	AZ-4301	\$145
AzuraQuant™ Probe 1-Step qPCR Mix NoRox	500 Reactions / 5 x 1 mL	AZ-4305	\$655
AzuraQuant™ Probe 1-Step qPCR Mix NoRox	1000 Reactions / 10 x 1 mL	AZ-4310	\$1195
AzuraQuant™ Probe 1-Step qPCR Mix NoRox	5000 Reactions / 10 x 5 mL	AZ-4350	\$4895
AzuraQuant™ Probe 1-Step qPCR Mix LoRox	100 Reactions / 1 x 1 mL	AZ-4101	\$145
AzuraQuant™ Probe 1-Step qPCR Mix LoRox	500 Reactions / 5 x 1 mL	AZ-4105	\$655
AzuraQuant™ Probe 1-Step qPCR Mix LoRox	1000 Reactions / 10 x 1 mL	AZ-4110	\$1195
AzuraQuant™ Probe 1-Step qPCR Mix LoRox	5000 Reactions / 10 x 5 mL	AZ-4150	\$4895
AzuraQuant™ Probe 1-Step qPCR Mix HiRox	100 Reactions / 1 x 1 mL	AZ-3901	\$145
AzuraQuant™ Probe 1-Step qPCR Mix HiRox	500 Reactions / 5 x 1 mL	AZ-3905	\$655
AzuraQuant™ Probe 1-Step qPCR Mix HiRox	1000 Reactions / 10 x 1 mL	AZ-3910	\$1195
AzuraQuant™ Probe 1-Step qPCR Mix HiRox	5000 Reactions / 10 x 5 mL	AZ-3950	\$4895
AzuraQuant™ Probe 1-Step qPCR Virus Mix	100 Reactions / 1 x 1 mL	AZ-4401	\$155
AzuraQuant™ Probe 1-Step qPCR Virus Mix	5000 Reactions / 5 x 1 mL	AZ-4405	\$675
AzuraQuant™ Probe 1-Step qPCR Virus Mix	1000 Reactions / 10 x 1 mL	AZ-4410	\$1295
AzuraQuant™ Probe 1-Step qPCR Virus Mix	5000 Reactions / 10 x 5 mL	AZ-4450	\$4995