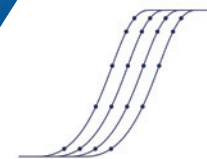


# AzuraView™ Green Fast qPCR Blue Mix



## The Ultra-Stable, Best-in-Class SYBR™ Mix

The AzuraView™ Green Fast qPCR Blue Mix is an ultra-stable 2x master-mix comprised of a non-inhibitory intercalating dye, Azura HS Taq DNA Polymerase and a highly optimized reaction buffer containing a blue tracer dye for use in SYBR™ real-time quantitative PCR assays. The AzuraView™ Green Fast qPCR Blue Mix reliably quantifies cDNA and genomic DNA and is formulated for room temperature stability and increased resistance to freeze-thaw cycles. The ready-to-use 2x master mix delivers an increased limit of detection with best-in-class sensitivity, and the inert blue dye provides an easy-to-see, easy-to-pipette format. In order to determine instrument compatibility and the most appropriate formulation, please refer to AzuraQuant™ Selection Table.

### Applications

- Fluorescent SYBR™ Green detection of cDNA and genomic DNA
- Gene expression analysis
- Detection of sequence variants

### Flexibility

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

### Easy-to-See and Easy-to-Pipette

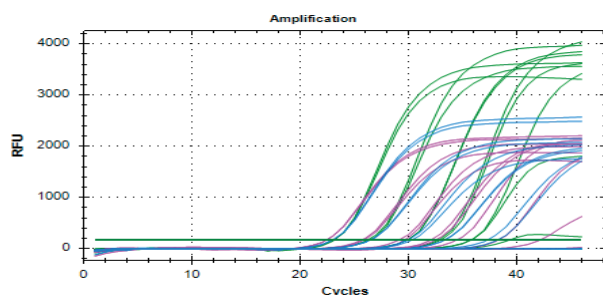
Contains inert blue tracer dye to simplify the set-up of PCR Plates

### Excellent Stability

Room temperature stable for up to 30 days and increased resistance to freeze-thaw cycles

### Sensitivity and Speed

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

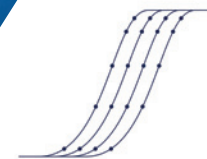


**Fig 1: Comparison of AzuraView Green Fast qPCR Blue Mix LR (green) with competitors BioRad (blue) and Applied Biosystems (pink) using multiple dilutions of cDNA (PGK-1 gene target).**

Cycling conditions: 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.	Price
AzuraView™ Green Fast qPCR Blue Mix LR	100 Reactions / 1 x 1 mL	AZ-2301	\$45
AzuraView™ Green Fast qPCR Blue Mix LR	500 Reactions / 5 x 1 mL	AZ-2305	\$235
AzuraView™ Green Fast qPCR Blue Mix LR	2000 Reactions / 20 x 1 mL	AZ-2320	\$795
AzuraView™ Green Fast qPCR Blue Mix LR	5000 Reactions / 1 x 50 mL	AZ-2350	\$1495
AzuraView™ Green Fast qPCR Blue Mix HR	100 Reactions / 1 x 1 mL	AZ-2401	\$45
AzuraView™ Green Fast qPCR Blue Mix HR	500 Reactions / 5 x 1 mL	AZ-2405	\$235
AzuraView™ Green Fast qPCR Blue Mix HR	2000 Reactions / 20 x 1 mL	AZ-2420	\$795
AzuraView™ Green Fast qPCR Blue Mix HR	5000 Reactions / 1 x 50 mL	AZ-2450	\$1495

# AzuraView™ Green 1-Step qPCR Blue Mix



## The Ultra-Stable, Best-in-Class SYBR™ Mix

The AzuraView Green 1-Step qPCR Blue Mix LR is a ready-to-use 2x master mix and companion thermostable enzyme blend for use in highly sensitive real-time SYBR™ RT-qPCR assays directly from RNA templates. The AzuraView™ Green 1-Step qPCR Blue Mix utilizes an advanced 2x buffer chemistry and a 1-Step enzyme blend of Azura™ HS Taq Polymerase, thermostable Reverse Transcriptase and RNase inhibitor.

The complex of enzymes coupled with our 2x Blue Mix buffer provides robust first-strand cDNA synthesis and real-time PCR in a single tube directly from RNA. The AzuraView™ Green 1-Step qPCR Blue Mix also contains a non-inhibitory intercalating dye and an inert blue tracer dye to simplify pipetting and facilitate the preparation of PCR plates. 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 AzuraQuant™ Selection Table.

### 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.

### Easy-to-See and Easy-to-Pipette

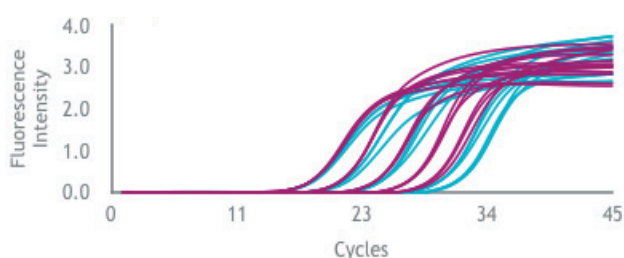
Contains inert blue tracer dye to simplify the set-up of PCR Plates

### Convenience

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

### Sensitivity and Speed

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



**Fig. 2: Comparison of AzuraView 1-Step qPCR Blue (purple) against competitor Qiagen (blue)**

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. AzuraView Green 1-Step qPCR Blue 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
AzuraView™ Green 1-Step qPCR Blue Mix LR	100 Reactions / 1 x 1 mL	AZ-2501	\$135
AzuraView™ Green 1-Step qPCR Blue Mix LR	500 Reactions / 5 x 1 mL	AZ-2505	\$595
AzuraView™ Green 1-Step qPCR Blue Mix LR	1000 Reactions / 10 x 1 mL	AZ-2510	\$1055
AzuraView™ Green 1-Step qPCR Blue Mix HR	100 Reactions / 1 x 1 mL	AZ-2601	\$135
AzuraView™ Green 1-Step qPCR Blue Mix HR	500 Reactions / 5 x 1 mL	AZ-2605	\$595
AzuraView™ Green 1-Step qPCR Blue Mix HR	1000 Reactions / 10 x 1 mL	AZ-2610	\$1055