



## Product Insert

**Catalog# YST0017, 2X SYBR Green Real-Time 1-Step RT-qPCR Master Mix. Mix. Check our website for the various product sizes available.**

SYBR Green Real-Time 1-Step RT-PCR Master is a convenient SYBR Green dye-based RT-PCR reagent for RNA detection in a single-tube format. This Master Mix contains SYBR Green I dye, Thermo-stable reverse transcriptase, DNA Polymerase, dNTPs, and optimized buffer to convert and amplify single-stranded RNA template yielding double-stranded DNA product for Real-Time RNA quantification. It minimizes the possibility of introducing contaminants into reactions between the RT and PCR steps, since both steps are carried out sequentially without opening the reaction tubes/plates between the steps.

Product Features :

1. Reproducible, consistent results while maintaining precision and efficiency
2. Multiple platform compatibility with all real-time master mixes
3. One-step, sequential reaction format for minimum hands on time
4. Pre-mixed format reduces potential contamination

Applications: RNA quantification by Real-Time PCR without using fluorescent probe

Test Method for 20uL Reaction Volume:

Component	Volume, uL
2X SYBR Green Real-Time 1-Step RT-PCR Master Mix	10
20X Primer Mix	1
RNA Sample	2
Water	7
<b>Total</b>	<b>20</b>

Thermal Cycling Protocol with Dissociation Curve:

