

2x Fast Sybr Green qPCR Master Mix (TBS4001, Store at -20°C)

Fast Activation within 1min

DESCRIPTION

Tribo™ 2x Fast Sybr Green qPCR Master Mix with different ROX level and package size provides a convenient choice suitable for different qPCR instruments. It is a 2x concentrated premix containing Taq DNA polymerase, dNTPs, Mg²⁺, SYBR Green I dye (detection), ROX reference dye and PCR buffer components. The proprietary chemical modifications of the enzyme make [PCR hot start activation much faster \(less than 1 min\) than standard qPCR](#). It does not need 10 min activation in the standard real-time qPCR amplification, which confers a significant reduction in non-specific PCR amplification ([please see the diagram in the data sheet](#)). As the enzyme buffer system is optimized for real time PCR, the product offers high amplification efficiency and high detection sensitivity in real-time PCR.

KEY FEATURES

- ❖ Fast: [Only 1min](#), Not need 10 or 5 min for Enzyme activation.
- ❖ Multiple choices: 2X Master Mix with different ROX level can be suitable for different instruments.

CATALOG AND KIT SIZE

STORE AT -20 °C

Kit Catalog	Description	Kit Size	qPCR Instrument
TBS4001R-1.25	2x Fast SyBr Green qPCR Master Mix ROX	1 x 1.25 mL	ABI® PRISM® 7000, 7700, 7900HT, ABI® 7300 qPCR Systems, GeneAmp® 5700, StepOne™, and the StepOnePlus™.
TBS4001R-2.5	2x Fast SyBr Green qPCR Master Mix ROX	2 x 1.25 mL	
TBS4001R-5	2x Fast SyBr Green qPCR Master Mix ROX	1 x 5 mL	
TBS4001R-10	2x Fast SyBr Green qPCR Master Mix ROX	2 x 5 mL	
TBS4001R-20	2x Fast SyBr Green qPCR Master Mix ROX	2x10 mL	

Kit Catalog	Description	Size	qPCR Instrument
TBS4001LR-1.25	2x Fast SyBr Green qPCR Master Mix Low ROX	1x1.25 mL	ABI® 7500 qPCR Systems, ViiA™ 7, QuantStudio™ 12K Flex, Agilent Mx3000P™ Mx3005P™ and Mx4000™
TBS4001LR-2.5	2x Fast SyBr Green qPCR Master Mix Low ROX	2x1.25 mL	
TBS4001LR-5	2x Fast SyBr Green qPCR Master Mix Low ROX	1 x 5 mL	
TBS4001LR-10	2x Fast SyBr Green qPCR Master Mix Low ROX	2 x 5 mL	
TBS4001LR-20	2x Fast SyBr Green qPCR Master Mix Low ROX	2 x 10 mL	

Kit Catalog	Description	Size	qPCR Instrument
TBS4001NR-1.25	2x Fast SyBr Green qPCR Master Mix No ROX	1x1.25 mL	BioRad iCycler MiniOpticon, Opticon 2, Chromo 4, iQ5; Roche LightCycler 480; MJ Research DNA Engine Opticon 2, Chromo 4; Corbett Rotogene 3000, 6000
TBS4001NR-2.5	2x Fast SyBr Green qPCR Master Mix No ROX	2x1.25 mL	
TBS4001NR-5	2x Fast SyBr Green qPCR Master Mix No ROX	1 x 5 mL	
TBS4001NR-10	2x Fast SyBr Green qPCR Master Mix No ROX	2 x 5 mL	
TBS4001NR-20	2x Fast SyBr Green qPCR Master Mix No ROX	2 x 10 mL	

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PROTOCOL

1. Set up the reaction Mixture in 20 uL reaction volume:

Components	Volume	Final Concentration
2xFast Sybr Green PCR master Mix	10 µL	1x
Forward Primer (10 uM)	0.6 µL	300 nM
Reverse Primer (10 uM)	0.6 µL	300 nM
Template DNA	Variable	≤ 500 ng /reaction
Nuclease-Free H ₂ O	To 20 µL	

2. PCR amplification condition:

95°C, 1min → (95°C, 10S→60°C, 30S.) for 40 cycles → melting curve.

STORAGE CONDITIONS

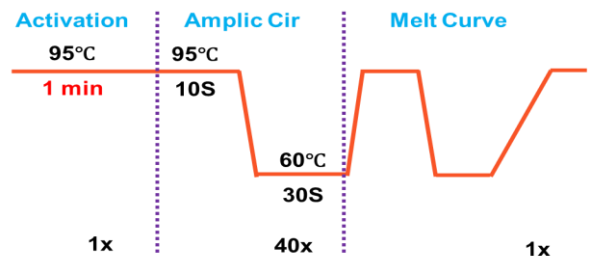
The kit is shipped on ice and should be stored at -20°C for long-term storage. Shelf life of 12 months after receipt.

RELATED PRODUCTS

2x Fast Taqman Probe qPCR Master Mix-ROX (TBS4002R)
 2x Fast Taqman Probe qPCR Master Mix-Low ROX (TBS4002LR)
 2x Fast Taqman Probe qPCR Master Mix-No ROX (TBS4002NR)
 All-in-One Reverse Transcription Reaction Kit (TBS4006)

Research use only

2x Fast Sybr Green qPCR MasterMix Amplification



2x Standard Sybr Green qPCR MasterMix Amplification

