



Yeastern Biotech Co., Ltd

Product Use Limitation & Warranty

This product is intended to be used for life science research only. It has not been approved for drug or diagnostic purpose. YEASTERN's products should not be resold, modified for resale, or used to manufacture commercial products without written approval by YEASTERN. YEASTERN guarantees the performance of all products in the manner described in our protocol. The purchaser must determine the suitability of the product for its particular use. Should any product fail to perform satisfactorily due to any reason other than misuse, YEASTERN will replace it free of charge.

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EZtime™ 

Fast Real-Time
PCR Premix

(2X, For SYBR® Green, ROX)

Cat. No.
FYT108-100P
FYT108-400P

EZtime™ Fast Real-Time PCR Premix (2X, For SYBR® Green, ROX)

Description

EZtime™ Fast Real-Time PCR Premix for SYBR® Green is a ready-to-use, 2X concentrated premix reagent, containing all components except primers and template. It is formulated with a novel hot-start Taq DNA polymerase, which is capable of catalyzing DNA amplification in a fast PCR mode. This special blend greatly shortens the running time of real-time quantitative PCR by around 1 hour when compared to traditional qPCR. In addition, it precisely meets current researchers' needs for performing gene detection (qPCR) and quantification of gene expression (2-step qRT-PCR) in a high speed and/or high-throughput manner in addition to those basic requirements of high sensitivity, wide dynamic range, and good reproducibility.

Applications

- Quantitative real-time PCR for **DNA template below 300 bp**.
- Gene expression analysis
- Low copy gene detection
- Genotyping in a single or high-throughput manner
- Validation of microarray data

Content

FYT108-100P EZtime™ Fast Real-Time PCR 2X Premix with SYBR® Green 1 ml*1 vial

FYT108-400P EZtime™ Fast Real-Time PCR 2X Premix with SYBR® Green 1 ml*4 vials

Storage

- -20°C
- Protected from light
- Avoid repeated freezing and thawing

Note

For research only. Not for use in diagnostic or therapeutic procedures.

Procedure

A. Preparing the reaction mixture on ice

1. Thaw all reagents including EZtime™ Fast Real-Time PCR Premix, primers and DNA template.
2. Prepare a PCR master mixture according to Table 1.
3. Mix carefully by pipetting up and down.

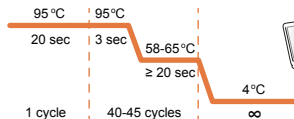


Table 1

Component	Volume (μl)	Final conc.
EZtime™ Fast Real-Time PCR 2x Premix for SYBR® Green	10	1x
10 μM Forward Primer	0.6-1.2	0.3-0.6 μM
10 μM Reverse Primer	0.6-1.2	0.3-0.6 μM
Template DNA	2	
ddH ₂ O	variable	
Total volume	20 μl	

B. Performing Real-time PCR

1. Program your instrument according to Figure 1.
2. Place the PCR tubes or PCR plates in the thermo cycler and start the cycling program.



3. Perform a melting curve analysis of the PCR product.
4. Perform data analysis.



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EZtime™ 

**Fast Real-Time
PCR Premix**

(2X, For TaqMan® Probe, ROX)

Cat. No.
FYT110-100P
FYT110-400P

EZtime™ Fast Real-Time PCR Premix (2X, For TaqMan® Probe, ROX)

Description

EZtime™ Fast Real-Time PCR Premix for TaqMan® Probe is a ready-to-use, 2X concentrated premix reagent, containing all components except primers, probe, and template. It is formulated with a novel hot-start Taq DNA polymerase, which is capable of catalyzing DNA amplification in a fast PCR mode. This special blend greatly shortens the running time of real-time quantitative PCR by around 1 hour when compared to traditional qPCR. In addition, it precisely meets current researchers' needs for performing gene detection (qPCR) and quantification of gene expression (2-step qRT-PCR) in a high speed and/or high-throughput manner in addition to those basic requirements of high sensitivity, wide dynamic range, and good reproducibility.

Applications

- Quantitative real-time PCR for DNA template below 300 bp.
- Gene expression analysis
- Low copy gene detection
- Genotyping in a single or high-throughput manner
- Validation of microarray data

Content

FYT110-100P EZtime™ Fast Real-Time PCR 2X Premix with TaqMan® Probe 1 ml * 1 vial

FYT110-400P EZtime™ Fast Real-Time PCR 2X Premix with TaqMan® Probe 1 ml * 4 vials

Storage

- -20°C
- Protected from light
- Avoid repeated freezing and thawing

Note

For research only. Not for use in diagnostic or therapeutic procedures.

Procedure

A. Preparing the reaction mixture on ice

1. Thaw all reagents including EZtime™ Fast Real-Time PCR Premix, primers, probe and DNA template.
2. Prepare a PCR master mixture according to Table 1.
3. Mix carefully by pipetting up and down.



Table 1

Component	Volume (µl)	Final conc.
EZtime™ Fast Real-Time PCR 2x Premix for TaqMan® Probe	10	1x
10 µM Forward Primer	0.6-1.2	0.3-0.6 µM
10 µM Reverse Primer	0.6-1.2	0.3-0.6 µM
10 µM Probe	0.4-0.8	0.2-0.4 µM
Template DNA	2	
ddH ₂ O	variable	
Total volume	20 µl	

B. Performing Real-time PCR

1. Program your instrument according to Figure 1.
2. Place the PCR tubes or PCR plates in the thermo cycler and start the cycling program.

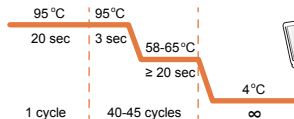


Figure 1

3. Perform data analysis.