

Ver.24071

## 2X Real-Time PCR Master Mix

(Including SYBR Green in the mix)

Cat.No. ODQ383-01

### Description:

2X Real-Time PCR Master mix provides optimized system for accurate and easy real-time PCR using an intercalating reagent. Mixed *h-Taq* DNA polymerase enables high specific DNA amplification due to its capability of Hot Start and multiplex PCR amplification.

### Product contents:

2X Real-Time PCR Master Mix (Including SYBR Green in the mixture): 4×1mL

### Storage

- Store at –20°C in dark
- Stable for 1 year

### Features

Features	Real Time PCR Master Mix (2X)
Application	<ul style="list-style-type: none"> <li>• Quantification of target DNA using Real-Time PCR</li> <li>• Quantification of target RNA using RT-PCR</li> </ul>

### Recommended PCR mixture and cycling condition

PCR mixture	20μL
2X Real-Time PCR Master Mix	10μL
Forward primer (10pmol/μL)	1μL
Reverse primer (10pmol/μL)	1μL
Template DNA (<300ng)	-μL
Add D.W to	20μL

2-Step Cycling		
Pre-denaturation	Denaturation	Annealing/Extension
1 Cycle	35 – 45 Cycles	
95°C	95°C	60°C
10 min	10 – 20 seconds	20 – 60 seconds

3-Step Cycling			
Pre-denaturation	Denaturation	Annealing	Extension
1 Cycle	35 – 45 Cycles		
95°C	95°C	56 – 64°C	72°C
10 min	10 – 20 seconds	10 – 30 seconds	10 – 60 seconds

**Note**

- If the amplicon size is  $\geq 200\text{bp}$ , or the annealing temperature is lower, follow the 3-step cycling.
- The amount of template, extension time, annealing temperature, and the number of PCR cycles may be modified according to the target size, primer's  $T_m$ , and the type of templates for amplification.