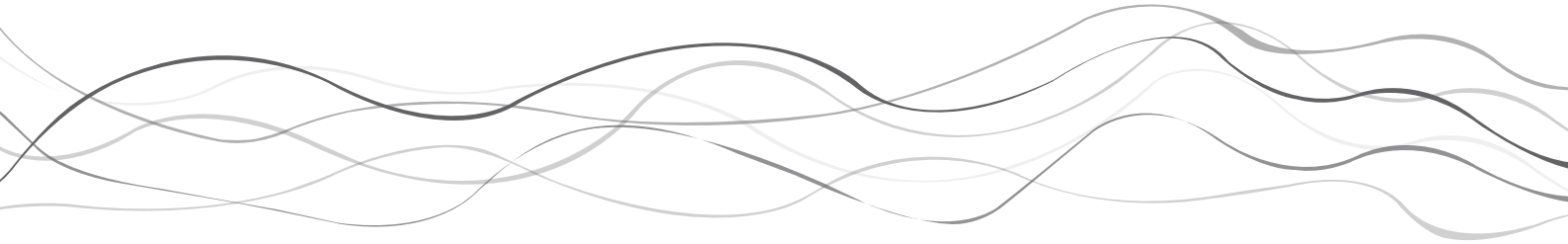


Axen[™]

qPCR Master Mix

(2X, SYBR Green)



Axen™ qPCR Master Mix (2X, SYBR Green with low ROX)

Storage 1 year at -20°C
For research use only

1. Product description

Axen™ qPCR Master Mix (with SYBR Green) is designed to perform a rapid real-time quantification of target DNA using a double strand DNA-binding SYBR Green dye.

2. Characteristics

- Easy of use: Premix contains everything needed except for primers, template
- High specificity: Enhanced specificity by the use of Hot start PCR polymerase
- High reproducibility is ensured by rigorous quality control
- ROX reference dye for normalization of fluorescence signals (Low ROX)

3. Applications

- Real-time quantification of gDNA and cDNA targets
- Gene expression profiling
- Detection of microbial & viral pathogens

4. Kit components

Product	Quantity	Cat. No.
qPCR Master Mix (2X, SYBR Green)	6 x 0.5 mL	MG-E-013-3

5. Protocol

1) PCR mixture

qPCR Master Mix (2X, SYBR Green)	10 μ L
Forward primer (5~10 pmol/ μ L)	1 μ L
Reverse primer (5~10 pmol/ μ L)	1 μ L
Template DNA	1 μ L
Water, nuclease free	add to 20 μ L

2) PCR cycle

Initial denaturation	95°C	10 min	1 cycle
Denaturation	95°C	10 sec	
Annealing	60°C	15 sec	40 cycles
Extension	72°C	15~30 sec	

※ 'Standard protocol' is only a general recommendation.
The experimental conditions should be adjusted according to the purpose and sample.