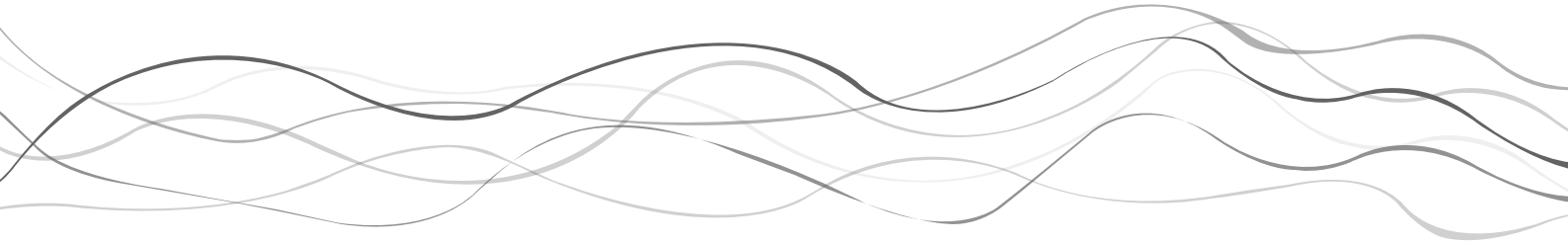


# **Axen<sup>™</sup>**

## **One-step RT-qPCR Master Mix (SYBR Green)**



# Axen™ One-step RT-qPCR Master Mix (SYBR Green with low ROX)

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

## 1. Product description

Axen™ One-step RT-qPCR Master Mix (with SYBR Green) is designed to perform a real-time quantification of target RNA 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

- Quantification of RNA
- Analysis of gene expression

## 4. Kit components

Product	Quantity (Size)	Cat. No.
One-step RT-qPCR Master Mix (SYBR Green)	300 reactions	MG-E-015-300

## 5. Protocol

### 1) PCR mixture

One-step RT-qPCR Enzyme Mix	1 $\mu$ L
One-step RT-qPCR Reaction Mix (with low ROX)	10 $\mu$ L
Forward primer (5~10 pmol/ $\mu$ L)	1 $\mu$ L
Reverse primer (5~10 pmol/ $\mu$ L)	1 $\mu$ L
Template RNA	1 $\mu$ L
Water, nuclease free	add to 20 $\mu$ L

### 2) PCR cycle

cDNA synthesis	50°C	30 min	1 cycle
Inactivation	95°C	10 min	1 cycle
Denaturation	95°C	10 sec	40 cycles
Annealing & Extension	60°C	30 sec	

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