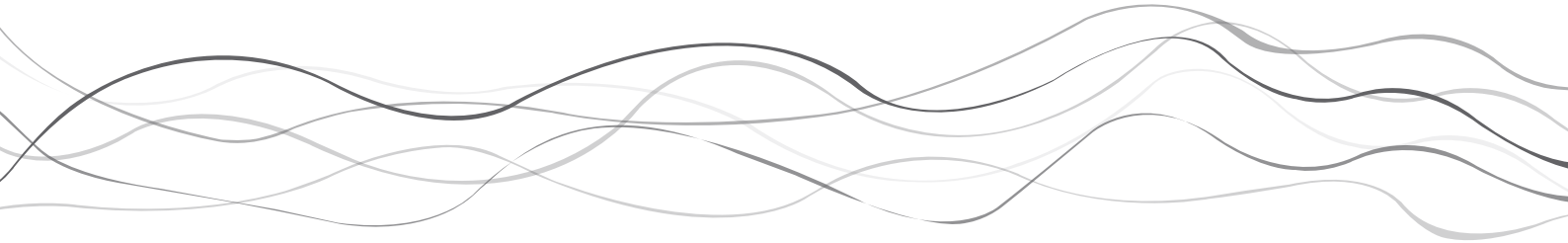


Axen™

One-step RT-qPCR Master Mix (2X, Probe)



Axen™ One-step RT-qPCR Master Mix (2X, Probe for multiplex, UDG plus)

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

1. Product description

Axen™ One-step RT-qPCR Master Mix (for probe) is designed to perform a real-time quantification of target RNA using fluorescent probe (s).

2. Characteristics

- Easy of use: Premix contains everything needed except for primers, probe and template
- Carry-over contamination control: contains UDG
- Multiplex RT-qPCR is possible
- High specificity: Enhanced specificity by the use of Hot start PCR polymerase
- Reproducibility is ensured by rigorous quality control

3. Applications

- Quantification of RNA
- Analysis of gene expression
- Virus detection
- Single-cell RT qPCR
- Construction of cDNA libraries
- 3' and 5' RACE and RT qPCR

4. Kit components

Product	Quantity	Cat. No.
One-step RT-qPCR Master Mix (2X, Probe)	6 x 0.5 mL	MG-E-014-3

5. Protocol

1) PCR mixture

One-step RT-qPCR Master Mix (2X, Probe)	10 μL
Forward primer (5~10 pmol/ μL)	1 μL
Reverse primer (5~10 pmol/ μL)	1 μL
Probe (2~10 pmol/ μL)	1 μL
Template RNA	1 μL
Water, nuclease free	add to 20 μL

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.