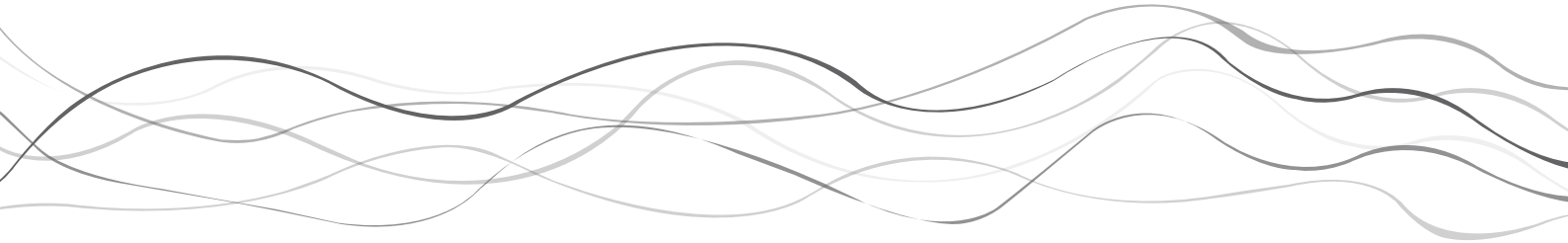


Axen™ qPCR Master Mix (2X, Probe)



Axen™ qPCR Master Mix (2X, Probe for multiplex, UDG plus)

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

1. Product description

Axen™ qPCR Master Mix (for probe) is designed to perform a rapid real-time quantification of target DNA 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 qPCR is possible
- High specificity: Enhanced specificity by the use of Hot start PCR polymerase
- Reproducibility is ensured by rigorous quality control

3. Applications

- Template quantification
- High throughput SNP genotyping
- Gene deletion analysis
- Pathogen identification

4. Kit components

Product	Quantity	Cat. No.
qPCR Master Mix (2X, Probe)	6 x 0.5 mL	MG-E-012-3

5. Protocol

1) PCR mixture

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

2) PCR cycle

Pre-incubation (for UDG)	50°C	4 min	1 cycle
Initial denaturation	95°C	10 min	1 cycle
Denaturation	95°C	10 sec	40 cycles
Annealing & Extension	60°C	60 sec	

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