

2×*Taq* DNA Polymerase Master

Product specification

Product name	Catalog Number	Specification
2× <i>Taq</i> DNA Polymerase Master	PE07001	1mL
2× <i>Taq</i> DNA Polymerase Master	PE07003	3mL
2× <i>Taq</i> DNA Polymerase Master	PE07005	5mL

Product introduction

This product contains *Taq* Polymerase, dNTPs and optimized reaction buffer, when the concentration is 2×. Just add the template, primer and water to make the concentration of the Master solution 1× to react. PCR amplification product contains the base "A" in the end of the 3'.

Advantages

- Reduce the operating time for PCR amplification
- Avoid contamination due to multi-step operation
- Amplification of Genomic DNA Fragment (1Kb/min)

Using references

PCR 50μL system:

Reactant	Sample volume
2× <i>Taq</i> DNA Polymerase Master	25μL
Primer (10pmol/μL)	1μL
H ₂ O	22μL
Template	1μL

Suggested PCR program settings

Temperature		Time
94°C		5~10min
94°C	18~30cycles	30s
45~65°C		About 30s
72°C		60s/kb
72°C		5~10min
4~12°C		∞

Notes:

1. To achieve a better PCR amplification effect, please ensure the DNA content of the template.
2. EDTA and other metal ion chelators have inhibitory effect on the amplification reaction of the enzyme, and it is necessary to ensure that no such chelating agent is included in the reaction system.
3. This product is limited to the scientific research of professional personnel and shall not be used for clinical diagnosis or treatment, and shall not be used for food or medicine.

For your safety and health, please wear lab clothes and wear disposable gloves.