

Taq DNA Polymerase

Product specification

Product names	Catalog	Size
Taq DNA Polymerase	PM07500	500U
Taq DNA Polymerase	PM071000	1000U
Taq DNA Polymerase	PM072000	2000U

Product introduction

The Taq DNA Polymerase produced by our company is a high-fidelity DNA polymerase which is produced by means of genetically modified technology, which enhances the PCR amplification efficiency and amplification specificity. The 3' end "A" base of the amplified product can be directly cloned into T-vector.

Advantages

- High fidelity
- Powerful functions, with minimal optimization
- Less enzyme, higher yield
- Amplification of genomic DNA fragments (1Kb/min)

Using references

PCR 50 μ L system: :

Reactant	Sample volume
Taq DNA Polymerase	1 μ L
10 \times Buffer	5 μ L
Primer(10pmol/ μ L)	1 μ L
dNTP (10mM)	1 μ L
H ₂ O	40 μ L
Template	1 μ L

Suggested PCR program settings:

Temperature		Time
94 $^{\circ}$ C		5~10min
94 $^{\circ}$ C	18~30cycles	30s
45~65 $^{\circ}$ C		About 30s
72 $^{\circ}$ C		60s/kb
72 $^{\circ}$ C		5~10min
4~12 $^{\circ}$ C		∞

Notes

1. To achieve a better PCR amplification effect, please ensure the content of template DNA.
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.