



**ELK Biotechnology**  
For research use only.

## EntiLink™ PCR Master Mix(Blue)

Catalog No.	Specification	Storage/Shelf life
EQ004-01	1mL	-20°C/two years
EQ004-02	5 x 1mL	-20°C/two years

### Introduction

EntiLink™ PCR Master Mix is a ready-to-use, conventional PCR premix solution containing Taq DNA Polymerase, dNTP mixture, MgCl<sub>2</sub> and an optimized buffer system. The reaction can be carried out by simply adding primers and templates, which greatly simplifies the experimental procedure.

The product contains bromophenol blue dye, and the PCR product can be directly electrophoresed. This product contains excellent stabilizers and can be placed for 3 months at 4 °C. The PCR product has a 3'-dA overhang and can be easily cloned into a T vector.

### Reaction System

Components	Volume (μL)
EntiLink™ PCR Master Mix(Blue)	25
Primer 1 (10 μM)	1
Primer 2 (10 μM)	1
Template	Moderate amount
ddH <sub>2</sub> O	Up to 50



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## Amplification procedure

Cycle step	Temperature (°C)	Time	Cycle number
Pre-denaturation	94	1-5 min	1x
Denaturation	94	30 sec	35x
Annealing	50-60	30 sec	
Extended	72	30 sec	
Final Extended	72	10 min	1x

## Attention

Be sure to mix thoroughly before use.

- Template usage: genomic DNA: 50-200 ng; plasmid DNA: 0.1-10 ng.
- Annealing temperature: Please refer to the theoretical  $T_m$  value of the primer, and the annealing temperature can be set lower than the theoretical value of the primer by 2-5°C.
- Extension time: Molecular identification is recommended at 30 sec/kb. Gene cloning is recommended at 60 sec/kb to ensure the highest amount of product.