ELK Biotechnology
For research use only.

EntiLink™ PCR Master Mix(Red)

Catalog No.	Specification	Storage/Shelf life
EQ027-01	1mL	-20C°/two years
EQ027-02	5 x 1mL	-20C°/two years

Introduction

EntiLink™ PCR Master Mix is a ready-to-use conventional PCR master mix solution containing Taq DNA Polymerase, dNTP mix, MgCl2, and optimized buffer system. The amplification can be performed by adding primers and templates during the reaction, which greatly simplifies the operation steps of the experiment. The product contains cresol red, and the PCR product can be directly electrophoresed. This product contains excellent stabilizer and can be stored for 3 months at 4°C. PCR products have 3'-dA overhangs for easy cloning into T-vectors.

Reaction System

Components	Volume (μL)
EntiLink™ PCR Master Mix (Red)	25
Primer 1 (10 μM)	1
Primer 2 (10 μM)	1
Template	Moderate amount
ddH2O	up to 50

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Amplification procedure

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

Attention

Be sure to mix it thoroughly before use. a. Template usage amount: genomic DNA: 50-200 ng; plasmid DNA: 0.1-10 ng. b. Annealing temperature: Please refer to the theoretical Tm value of the primer. The annealing temperature can be set 2-5℃ lower than the theoretical value of the primer. c. Extension time: 30 sec/kb is recommended for molecular identification. Gene cloning recommends 60 sec/kb to ensure maximum product yield.