

P Fast-Pfu 2X PCR SuperMix

Cat. No. ABTGMBS03

Storage: at -20°C for two years

Description

P Fast-Pfu 2X PCR SuperMix is a ready-to-use mixture of P Fast-Pfu Taq DNA Polymerase, dNTPs and optimized buffer. The SuperMix is provided at 2X concentration and can be used at 1X concentration by adding template, primers and H₂O.

- Fidelity is 54 times higher than P Page DNA Polymerase.
- The extension rate is about 4 kb/min.
- PCR products can be directly cloned into AllBio Blunt vectors.
- Amplification of genomic DNA fragment up to 15 kb.
- Amplification of plasmid DNA fragment up to 20 kb.

Application

- High fidelity PCR
- Blunt end cloning
- Site-directed mutagenesis

Kit Contents

Component	AS221-01	AS221-02
P Fast-Pfu 2X PCR SuperMix (-dye)	1 ml	5×1 ml
ddH ₂ O	1 ml	5 ml

Reaction Components

Component	Volume	Final Concentration
Template	Variable	as required
Forward Primer (10 μM)	1 μl	0.2 μM
Reverse Primer (10 μM)	1 μl	0.2 μM
P Fast-Pfu 2X PCR SuperMix	25 μl	1X
ddH ₂ O	Variable	-
Total volume	50 μl	-

Thermal cycling conditions

94°C	2-5 min	} 30-35 cycles
94°C	30 sec	
50-60°C	30 sec	
72°C	2-4 kb/min	
72°C	5-10 min	

Note

Completely thaw the contents in the tube and mix well before use.