

## Kia Taq-PCR SuperMix (100 Reactions)

**Cat. No:** K-2000

**Storage:** at -20°C for one year

### Description

PCR SuperMix is a ready-to-use mixture of Taq DNA Polymerase, dNTPs and optimized buffer. The supermix is provided at 2X concentration and used at 1X concentration by adding template, primers and H<sub>2</sub>O. PCR products are unsuitable for PAGE.

- The extension rate is about 1-2 kb/min.
- Template-independent "A" can be generated at the 3' end of the PCR product.
- PCR products can be cloned into T<sup>+</sup> vectors.
- Amplification of genomic DNA fragment up to 4kb.

### Advantages

- High efficiency amplification
- Excellent stable performance

### Applications

Multiple copy gene detection

### Reaction Components

Component	Volume	Final Concentration
Template	Variable	as required
Forward Primer (10 μM)	1-2 μl	0.2-0.4 μM
Reverse Primer (10 μM)	1-2 μl	0.2-0.4 μM
2X PCR Super Mix	25 μl	1x
ddH <sub>2</sub> O	Variable	-
Total volume	50 μl	-

### Thermal cycling conditions

	Time	Repeats
94	2-5 min	1 cycle
94°C	30-60 sec	30-50 cycles
50-60°C	30-60 sec	
72	30-60 sec	

### Note

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

FOR RESEARCH USE ONLY

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