

2×*EasyTaq*[®] PCR SuperMix

Cat. No. AS111

Storage: at -20°C for two years

Description

2×*EasyTaq*[®] PCR SuperMix is a ready-to-use mixture of *EasyTaq*[®] DNA Polymerase, dNTPs, and optimized reaction buffer at a concentration of 2×. For DNA amplification, simply add the template, primers, and water to allow the SuperMix solution to react at a concentration of 1×. For 2×*EasyTaq*[®] PCR SuperMix (-dye), the PCR products which contain dA overhangs at the 3' end can be directly cloned to *pEASY*[®]-T vectors. For 2×*EasyTaq*[®] PCR SuperMix (+dye), the PCR products can be analyzed by electrophoresis directly, and need to be purified to remove dye when applied in cloning. Please note, **PCR products using this SuperMix are not suitable for polyacrylamide gel electrophoresis (PAGE).**

Highlights

- Reduced reaction setup time
- Minimized contamination caused by multi-step operation.
- High amplification efficiency and stability.
- Amplification of genomic DNA fragment up to 4 kb.

Kit Contents

Component	AS111-01/11	AS111-02/12	AS111-03/13	AS111-14
2× <i>EasyTaq</i> [®] PCR SuperMix (-dye)/(+dye)	1 ml	5×1 ml	15×1 ml	6×80 ml
Nuclease-free Water	1 ml	5 ml	3×5 ml	96×5 ml

Reaction Components (50 µl)

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
2× <i>EasyTaq</i> [®] PCR SuperMix	25 µl	1×
Nuclease-free Water	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	1-2 kb/min	
72°C	5-10 min	

*For colony PCR, the pre-denaturation time should be extended to 10 min.

Note

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

For research use only, not for clinical diagnosis.

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