2×*EasyTaq*® PCR SuperMix

Cat. No. AS111

Storage: at -18°C or below 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 overlangs 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 electrophoriesis (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×*EasyTaq*® 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×*EasyTaq*® PCR SuperMix	25 µl	1×
Nuclease-free Water	Variable	-
Total volume	50 µl	-

Thermal cycling conditions

94°C	2-5 min*	
94°C	30 sec	30-35 cycles
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.

Service telephone +86-10-57815020
Service email complaints@transgen.com