

2×*TransTaq*[®]-T PCR SuperMix

Cat. No. AS122

Storage: -20°C for two years

Description

TransTaq[®]-T PCR SuperMix is a ready-to-use mixture of *TransTaq*[®]-T DNA Polymerase, dNTPs and optimized buffer. The SuperMix is provided at 2× concentration and used at 1× concentration by adding template, primers and H₂O. Efficiency of PCR products with “A” is equal to *EasyTaq*[®] DNA polymerase. It is more suitable for high fidelity TA cloning.

- *TransTaq*[®]-T PCR SuperMix offers 18-fold fidelity as compared to *EasyTaq*[®] DNA Polymerase.
- 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 *pEASY*[®]-T vectors.
- Amplification of genomic DNA fragment up to 8 kb.

Applications

- Complex templates
- TA cloning

Kit Contents

Component	AS122-01/21	AS122-02/22
2× <i>TransTaq</i> [®] -T PCR SuperMix (-dye)/(+dye)	1 ml	5×1 ml
Nuclease-free Water	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
2× <i>TransTaq</i> [®] -T 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	

Note

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

FOR RESEARCH USE ONLY