

PCR Enzyme Master Mix

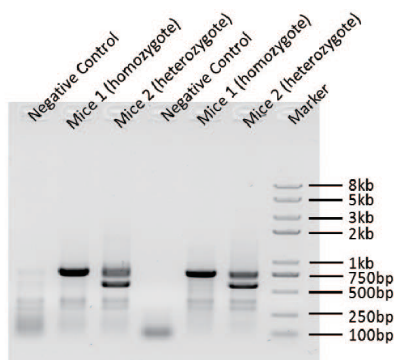


APEX BIO provides high performance PCR enzyme and master mix. 2×Taq PCR Master Mix is a ready-to-use 2x premix solution, suitable for routine PCR applications with high consistency. It contains Taq DNA Polymerase, dNTPs, optimized buffer system and loading dye, thus save your time and minimize contamination as fewer pipetting steps are required. hyPerFusion™ High-Fidelity DNA Polymerase consisted of a DNA-binding domain fused with a Pyrococcus-like proofreading polymerase. It is a superior choice for cloning, enables reliable amplification of long or GC-rich template. It can produce PCR products with high accuracy and speed.

PCR type	Standard PCR	High-fidelity PCR
Recommended DNA Polymerase	2X Taq DNA Polymerase Master Mix with dye	hyPerFusion™ High-Fidelity DNA Polymerase
Applications	Routine PCR, genotyping, colony PCR	High-fidelity PCR, cloning, template generation for sequencing, amplification of difficult (GC-rich) templates, high throughput PCR
Blunt or 3'-A end	3'-A end	Blunt
Target length	Up to 5kb	Up to 10kb
Fidelity (vs. Taq polymerase)	1x	50x

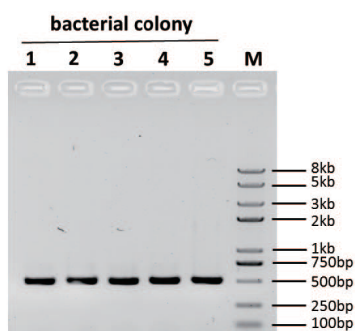
Product	Components	Size		Price
2X Taq DNA Polymerase Master Mix with dye Cat.No. K1034	A ready-to-use mixture of Taq DNA Polymerase, dNTPs, optimized buffer system and loading dye	40 reactions	1m x 1	50% cheaper compare to major supplier
		200 reactions	1ml x 5	
		800 reactions	1ml x20	
		2000 reactions	1ml x 50	
		4000 reactions	1ml x 100	
hyPerFusion™ High-Fidelity DNA Polymerase Cat.No. K1032	hyPerFusion™ High-Fidelity DNA Polymerase, supplied with 5X hyPerFusion™ Buffer	100 U	100 µl	70% cheaper compare to major supplier
		500 U	500 µl	
		1000 U	1 ml	

♦ Validation for K1034 ♦

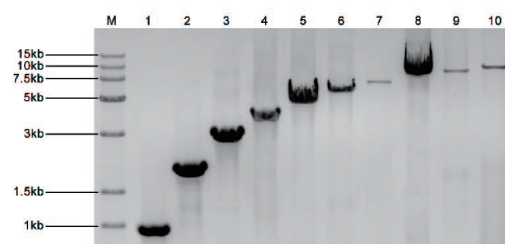


Mouse Genotyping with APEX BIO
2×Taq PCR Master Mix

♦ Validation for K1032 ♦



Colony PCR with APEX BIO
2×Taq PCR Master Mix



10 fragments (1-10kb) were amplified with hyPerFusion™ High-Fidelity DNA Polymerase, producing PCR products with high specificity and yields