Product Selection & Applications Guide

POLYMERASE							MASTER MIX					qPCR		REAGENTS			KITS								
Properties	Taq	FlashTaq	AlloyTaq	Integrity	PFU-50 Polymerase	RTScript cDNA Synthesis Kit	2x Taq Master Mix	2x MeanGreen Master Mix	FlashTaq 2x Master Mix	FlashTaq MeanGreen Master Mix	5x Multiplex Master Mix	2x qPCR Probe Master Mix	2x rEVAlution qPCR Master Mix	GC Enhancer	dNTP Solutions	EasyLoad DNA Ladders	PCR Purification Kit	Agarose Gel Extraction Kit	Plasmid Mini-Prep Kit	EB Pure Plasmid Mini-Prep Kit	EB Pure Agarose Gel Extraction Kit	EB Pure PCR Purification Kit	EB Pure Tissue DNA Kit	EB Pure Total RNA Kit	EB Pure DNase I Digestion Kit
Template Length	≤5kb	≤5kb	≤8.5kb	≤5kb	18.3≤kb		≤5kb	≤5kb	≤5kb	≤5kb							100bp-	100bp-	100bp-						
Hot-Start		✓							✓	✓															
High-Fidelity			2X Taq	6X Taq	50X Taq																				
Highly Robust	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓												
Master Mix							✓	✓	✓	✓	✓	✓	✓												
Ambient Storage	✓60 days						✓60 days	✓60 days			✓60 days						✓	✓	✓	✓	✓	✓	✓		
4C Storage	✓180 days	✓60 days					✓180 days	✓180 days	✓60 days	✓60 days	✓180 days	✓60 days	✓60 days												
Low Foam							✓	✓	✓	✓	✓	✓	✓												
Ultrapure															✓										
DNA Yield																	≤20ug	≤20ug	≤20ug	≤30ug	85%	>80%	60-90%	≤100ug	
Applications																									
Standard PCR	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓		
Mid-Long PCR			✓		✓										✓	✓	✓	✓	✓	✓	✓	✓	✓		
2-step fast PCR					✓										✓	✓									
Genotyping	✓	✓	✓		✓		✓	✓	✓	✓	✓				✓	✓							✓		
Multiplex Capability											✓	✓		✓	✓	✓									
Low-Copy PCR						≥30ng	≥60Pg	≥60Pg	≥60Pg	≥60Pg		≥10 copies	≥10 copies		✓	✓									
Colony PCR	✓	✓	✓				✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓			
Blunt-End Cloning				✓	✓										✓	✓	✓	✓	✓	✓	✓	✓			
Mutation Analysis	✓	✓	✓	✓	✓		✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓			
TA Cloning	✓	✓	✓				✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓			
Hot-Start PCR		✓							✓	✓					✓	✓									
High-Fidelity PCR			✓	✓	✓										✓	✓									
Direct-to-Gel PCR								✓		✓					✓	✓		✓			✓				
Gene Expression						✓						✓	✓		✓	✓								✓	✓
Mutagenesis					✓										✓	✓									
GC-Rich Templates	✓	✓	✓	✓	✓						✓			✓	✓	✓									
qPCR		✓										✓	✓										✓		
cDNA Synthesis						✓									✓									✓	✓