

PCRBIO Enzyme Selection Guide

	Endpoint polymerases						Endpoint kits	
	PCRBIO Taq DNA Polymerase	PCRBIO HS Taq DNA Polymerase	PCRBIO Classic Taq	PCRBIO Ultra Polymerase	PCRBIO HiFi Polymerase	PCRBIO VeriFi Polymerase	PCRBIO Rapid Extract PCR kit	PCRBIO 1-Step Go RT-PCR kit
Properties								
Amplicon length	<6kb	<6kb	<6kb	<10kb	<10kb	<20kb	<6kb	<6kb
Fidelity vs Taq	x1	x1	x1	x3	x50	x100	x1	x1
3'→5' exonuclease (proofreading) activity				◇	◇	◇		
Hot start		◇		◇			◇	◇
High fidelity				◇	◇	◇		
Sensitivity	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●
Specificity	●●	●●●	●●	●●●	●●●●	●●●●	●●●	●●●
Stability at room temperature	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●
Available formats								
Ready mix	◇	◇		◇		◇	◇	
Direct loading	◇	◇		◇		◇	◇	
Applications								
Routine PCR	◇	◇	◇	◇			◇	
Long PCR				◇	◇	◇		
High-throughput		◇		◇			◇	
Multiplex PCR		◇		◇				
High fidelity PCR					◇	◇		
PCR from solid tissue		◇		◇			◇	
GC-rich templates		◇		◇	◇	◇		
Genotyping	◇	◇	◇				◇	◇
Bisulphite PCR		◇		◇				
Methylated DNA	◇	◇	◇	◇	◇	◇	◇	◇
TA cloning	◇	◇	◇	◇			◇	◇
Blunt end cloning					◇	◇		
Colony PCR		◇		◇				
Crude sample PCR		◇		◇			◇	
Site directed mutagenesis					◇	◇		
Next generation sequencing					◇	◇		

◇ = Suitable for application

● = Relative activity



PCRBIO SYSTEMS
simplifying research