AMPLIQON
PCR ENZYMES & REAGENTS

TECHNICAL CHART	Taq DNA Polymerase	Taq DNA Polymerase Glycerol free	Taq DNA Polymerase RED	Taq DNA Polymerase Master Mix RED	Taq DNA Polymerase Master Mix	Taq OptiMix CLEAR	TEMPase Hot Start DNA Polymerase	TEMPase Hot Start DNA Polymerase Glycerol free	TEMPase Hot Start Master Mix A + C	TEMPase Hot Start Master Mix A + C Blue	DryTech TEMPase Master Mix Clear	DryTech TEMPase Master Mix Green	GC-rich DNA Target kit	GC TEMPase Master Mix I + II	Multiplex TEMPase Master Mix	AQ97 High Fidelity DNA Polymerase	AQ97 High Fidelity DNA Polymerase Master Mix	AccuPOL DNA Polymerase	RealQ Plus Master Mix Green	RealQ Plus Master Mix Probe
FEATURE	**STANDARD PCR**						**HOT START**						**SPECIAL PCR**			**HI FI**			**REAL-TIME**	
Direct gel loading				✓						✓		✓								
Pippetting visualisation			✓	✓						✓		✓								
Long Range																✓	✓			
Proof reading activity																✓	✓	✓		
dUTP incorporation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓
3'- A overhang	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓
TECHNICAL DATA																				
Fidelity versus Taq	1X						1X						>1x			> 60X		15 x	1x	
Amplicon size	≤ 5 kb					≤ 3 kb	≤ 5 kb				4 kb		≤ 5 kb			18 kb	11 kb	≤ 3 kb	≤ 5 kb	
Elongation speed	35 – 100 nt/s						35 – 100 nt/s						35 – 100 nt/s			100 nt/s		25 nt/s	35-100 nt/sec	
Processivity	60 nt						60 nt						60 nt			200 nt		~20 nt	60 nt	
5'-3' exonuclease activity	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓
PERFORMANCE																				
Specificity	+	+	+	++	+	+	++	++	++	++	++	++	++	++	++	++	++	+	+++	+++
Sensitivity	+	+	+	+	+	+	++	++	++	++	++	++	++	++	++	+	+	+	+++	+++
Yield	++	++	++	++	++	++	++	++	++	++	++	++	++	++	++	+	+	+	+	+

+: high ++: very high +++: excellent