

## PCR ? - All you need! - From one Source !

Application	Recommended Genaxxon Product	Cat.-No.	Extension Rate	3' - 5' Exonuclease Activity	Standard Amplicon Length	Addition of A	
Standard PCR	<i>Taq</i> -S DNA Polymerase	M3001	2 kb/min	no	> 7 kb	A-overhang	Standard PCR
	PCR Master Mix (2X)	M3014	2 kb/min	no	4 kb	A-overhang	
	RedMastermix (2X)	M3029	2 kb/min	no	4 kb	A-overhang	
	<i>Taq</i> -E DNA Polymerase	M3043	2 kb/min	no	> 7 kb	A-overhang	
Difficult or unclean templates (e.g. Colony PCR)	<i>Taq</i> -E DNA Polymerase	M3043	2 kb/min	no	> 7 kb	A-overhang	Standard PCR
	RedMastermix (2X)	M3029	2 kb/min	no	4 kb	A-overhang	
Standard proofreading PCR	<i>Pfunds</i> DNA Polymerase	M3004	<700 bp/min	yes	5 kb	blunt end	Proofreading PCR (high fidelity PCR)
Proofreading PCR of long fragments	<i>Pwo</i> DNA Polymerase	M3002	<700 bp/min	yes	5 kb	blunt end	
Proofreading Hotstart PCR	ReproFast DNA Polymerase	M3003	2 kb/min	yes	> 7 kb	mixed	
Proofreading for difficult templates	ReproHot DNA Polymerase (similar to KOD-Polymerase)	M3012	2 kb/min	yes	> 7 kb	mixed	
	ExactRun Polymerase (similar to Phusion)	M3030	6 kb/min	yes	> 7 kb genomic/ 20 kb plasmid DNA	blunt end	
PCR of GC-rich sequences	SuperHot <i>Taq</i> DNA Polymerase	M3307	2 kb/min	no	> 5 kb	A-overhang	Special Applications
	SuperHot Master Mix	M3007	2 kb/min	no	4 kb	A-overhang	
	HotScriptase RT	M3056			400 bp		
	HotScriptase RT Master Mix	M3064			400 bp		
	ReproHot (KOD) Polymerase	M3012	2 kb/min	yes	> 7 kb	mixed	
Food control, Hygiene, Microbiology Amplification of ribosomal Genes	DF- <i>Taq</i> -S DNA Polymerase	M3185	2 kb/min	no	> 7 kb	A-overhang	Special Applications
	DF- <i>Taq</i> -E DNA Polymerase (DNA-free <i>Taq</i> DNA Polymerases)	M3008	2 kb/min	no	> 7 kb	A-overhang	

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Reverse Transcription / RT-PCR	HotScriptase RT	M3056		no	400 bp		RT-PCR
	HotScriptase RT Master Mix	M3064		no	400 bp		
	HotScriptase RT Cell Master Mix	M3058		no	400 bp		
	M-MuLV reverse Transcriptase	M3042					
HotStart PCR	HotStart <i>Taq</i> DNA Polymerase with AB	M3006	2 kb/min	no	< 5 kb	A-overhang	HotStart PCR
	SuperHot <i>Taq</i> DNA Polymerase	M3307	2 kb/min	no	< 5 kb	A-overhang	
	SuperHot <i>Taq</i> Master Mix	M3007	2 kb/min	no	4 kb	A-overhang	
	SuperHot <i>Taq</i> Master Mix Blue	M3007b	2 kb/min	no	4 kb	A-overhang	
	ReproHot (KOD) Polymerase	M3012	2 kb/min	yes	> 7 kb	mixed	
Multiplex PCR	Multiplex HS Master Mix 2X	M3005	2-4 kb/min	no		A-overhang	Multi plex PCR
Quantitative PCR / RealTime PCR	SuperHot <i>Taq</i> Polymerase	M3307	2 kb/min	no	< 5 kb	A-overhang	Realtime PCR / qPCR
	SuperHot Mastermix	M3007	2 kb/min	no	4 kb	A-overhang	
	GreenMasterMix (No ROX)	M3023	2 kb/min	no	4 kb	A-overhang	
	GreenMasterMix (Low ROX)	M3011	2 kb/min	no	4 kb	A-overhang	
	GreenMasterMix (High ROX)	M3052	2 kb/min	no	4 kb	A-overhang	
	ProbeMasterMix (No ROX)	M3045	2 kb/min	no	4 kb	A-overhang	
	ProbeMasterMix (Low ROX)	M3031	2 kb/min	no	4 kb	A-overhang	
	ProbeMasterMix (High ROX)	M3010	2 kb/min	no	4 kb	A-overhang	
	BlueSkye Hotstart Master Mix	M3066	2 kb/min	no	4 kb	A-overhang	

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Quantitative PCR / RealTime PCR	LyoCake lyophilized qPCR Master Mix, powder	M3071	2 kb/min	no	4 kb	A-overhang	lyophilized qPCR master mixes
	LyoBeads, lyophilized qPCR Master Mix pre-dispensed in 96-well plate or strips	M3070	2 kb/min	no	4 kb	A-overhang	
Allele Specific Discrimination / Genotyping	HiDi DNA Polymerase	M3009	2 kb/min	no	60-200 bp		Allele specific discrimination / Genotyping
	HiDiTaq DNA Polymerase	M3025	2 kb/min	no	60-200 bp		
	HiDi 2X PCR Master Mix	M3061	2 kb/min	no	60-200 bp		
Direct PCR from raw material	Direct Tissue PCR 2X Master Mix	3005	2 kb/min	no	2 kb	A-overhang	Direct PCR
	Direct Oral Swab 2X PCR Master Mix	M3060	2 kb/min	no	2 kb	A-overhang	