

PCR Mastermix (2X)

The Genaxxon 2X PCR Mastermix is a premixed, ready-to-use solution containing Taq DNA Polymerase, dNTPs, MgCl₂ and reaction buffers at optimal concentrations for efficient amplification of DNA templates by PCR (one tube, one pipetting step). Just add primers and template DNA. The efficient PCR Mastermix has been optimized for use in routine PCR for amplifying DNA templates in the range of 0.2-4kb. The special formulation of our mastermix guarantees you reproducible results even after repeated freezing/thawing steps leading to good yields and sensitivity.

M3014.0100	2.5 mL	55.00 €
M3014.0500	12.5 mL	245.00 €

PCR RedMaster (2X)

The Genaxxon PCR RedMaster (2X) mastermix is a premixed, ready-to-use solution containing Taq DNA Polymerase, dNTPs, MgCl₂ and reaction buffers at optimal concentrations for efficient amplification of DNA templates by PCR (one tube, one pipetting step). Just add primers and template DNA. The PCR mastermix has been optimized for use in routine PCR for amplifying DNA templates in the range of 0.2-4kb. Additionally the premix contains also an additive and a red-dye for proceeding with electrophoresis after PCR without adding loading buffer.

M3029.0100	2.5 mL	62.50 €
M3029.0500	12.5 mL	295.50 €

Data Comparison between different DNA-Polymerases from Genaxxon

Product Name	Taq S	Taq E	DF-Taq	PCR Mastermix (2X)	RedTaq	PCR RedMaster (2X)	LongMax Kit
Cat #	M3001	M3043	M3185	M3014	M3305	M3029	M3000
5' - 3' polymerase	yes	yes	yes	yes	yes	yes	yes
5' - 3' exonuclease	yes	yes	yes	yes	yes	yes	yes
3' - 5' exonuclease	no	no	no	no	no	no	no
dNTPs incorporation (nucleotides/sec)	35-100	35-100	35-100	35-100	35-100	35-100	35-100
Error rate (x10 ⁶)	3.3	3.8	3.8	3.3	3.8	3.8	3.8
Thermostability and remaining activity at 95 ° C	40 min	40 min	40 min	40 min	40 min	40 min	40 min
Longest amplicons	> 7 kb	10 kb	10 kb	> 7 kb	8kb	8kb	> 12 kb
Addition of poly A	yes	yes	yes	yes	yes	yes	yes
Application	High specificity PCR	High efficiency PCR	High specificity PCR	High specificity PCR	High specificity PCR	High specificity PCR	High efficiency PCR

M3043 is a Taq-Polymerase optimally suited for colony screens/higher yields/ M3185 is a Taq-Polymerase that is tested for contaminants of 16S-DNA/ M3305 is a Taq-Polymerase that contains a red dye enabling a visualisation of the pipetting procedure/ M3029 contains a red dye. No loading buffer necessary./ M3000 contains a Taq-Polymerase and a special buffer system that enables PCR of very long fragments.

Data Comparison between different DNA-Polymerases from Genaxxon

Product name	HotStart	SuperHot	HotStart Mastermix (2X)	Green Mastermix (2X)	Pfunds	ReproFast	KOD/ReproHot
Cat #	M3006	M3307	M3007	M3052	M3004	M3003	M3012
5' - 3' polymerase	yes	yes	yes	yes	yes	yes	yes
5' - 3' exonuclease	yes	yes	yes	yes	yes	yes	yes
3' - 5' exonuclease	no	no	no	no	yes	yes	yes
dNTPs incorporation(nucleotides/sec)	30-60	35-100	35-100	35-100	ca. 10	25-50	30-60
Error rate (x10 ⁶)	-	4.0	4.0	4.0	0.55	0.65	0.65
Thermostability and remaining activity at 95 ° C	40 min	60 min	60 min	60 min	90 min	60 min	40 min
Longest amplicons	10kb	8 kb	8 kb	8 kb	5 kb	> 7 kb	> 7 kb
Addition of poly A	yes	yes	yes	yes	blunt end	blunt end	blunt end
Application	Hot Start PCR	Hot Start PCR	High specificity PCR	High specificity PCR	High fidelity PCR	High fidelity PCR	High fidelity PCR

M3006 is a HotStart-Polymerase with separate Antibody/ M3307 is a chemically modified HotStart Polymerase without Antibody
 M3003 is a DNA-Polymerase for long fragments with very low error rate/ M3012 is a Proof-reading Polymerase with Antibody

Hotstart Mastermix (2X)

The Genaxxon 2X Hotstart Mastermix is a premixed, ready-to-use solution containing SuperHot Taq DNA Polymerase, dNTPs, MgCl₂ and reaction buffer for efficient amplification of DNA templates by PCR (one tube, one pipetting step). Optimized for use in routine and diagnostic PCR for amplifying DNA templates in the range of 0.2-4kb. The special formulation of our mastermix guarantees reproducible results even after repeated freezing/thawing steps leading to good yields and sensitivity. The kit is efficient, scalable from 25 µL to 50 µL and stable for 12 months.

M3007.0100	25 mL	69.50 €
M3007.0500	12.5 mL	312.70 €

GreenMasterMix (2X)

The Genaxxon GreenMaster PCR Mix (2X) is a ready-to-use PCR mixture containing all reagents required for qPCR (except template and primer). The mix offers dUTP instead of dTTP to prevent carry-over contaminations of DNA from previous PCR reactions. The mastermix contains ROX as passive reference dye and EvaGreen as fluorescent dye. GreenMasterMix is optimized for high specificity and sensitivity because of an optimized Hotstart polymerase and the special formulation of our reaction buffer.

M3052.0100	2 x 1.25mL	115.00 €
M3052.0500	10 x 1.25mL	475.00 €

PCR Mastermixes

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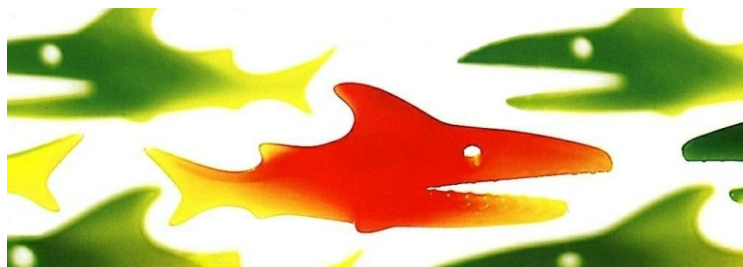
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