

MilliporeSigma PCR Products Cross Reference Sheet

Product Description	Cat #	Thermo (Life Technologies Inc)	Cat #	Promega	Cat #
Traditional PCR					
Taq DNA Polymerase (with 10× buffer containing MgCl), rec - 250 u (5 u/ul)	45-D1806-250UN	Taq DNA Polymerase, recombinant (with 10x buffer w/o MgCl) - 500 u (5 u/ul)	10342-020	GoTaq [®] DNA Polymerase (with 5× color and colorless buffers containing MgCl), nat - 500 u (5 u/ul)	M3005
JumpStart [™] Taq DNA Polymerase - 250 u (2,5 u/ul)	45-D9307-250UN	Platinum [™] Taq DNA Polymerase (with 10x buffer w/o MgCl) - 120 r (50 ul final volume; 2 u/r)	10966-018	GoTaq [™] Hot Start Polymerase (with 5× color and colorless buffers containing MgCl), nat - 500 u (5 u/ul)	M5005
FastStart [™] Taq DNA Polymerase - 100 u (5 u/ul)	45-12032902001	**AmpliTaq Gold [™] DNA Polymerase with Buffer II and MgCl ₂ - 250 u (5u/ul)	N8080241	GoTaq [™] Hot Start Polymerase (with 5× color and colorless buffers containing MgCl), nat - 100 u (5 u/ul)	M5001
FastStart [™] Taq DNA Polymerase - 2 x 250 u (5 u/ul)	45-12032929001	**AmpliTaq Gold [™] DNA Polymerase with Buffer II and MgCl ₂ - 1000 u (5u/ul)	N8080247	GoTaq [™] Hot Start Polymerase (with 5× color and colorless buffers containing MgCl), nat - 500 u (5 u/ul)	M5005
JumpStart [™] REDTaq [™] DNA Polymerase - 250 u (1 u/ul)	45-D8187-250UN	Platinum [™] Taq Green Hot Start DNA Polymerase (with 10x buffer w/o MgCl) - 120 r (50 ul final volume; 2 u/r)	11966-018	GoTaq [™] Hot Start Polymerase (with 5× color and colorless buffers containing MgCl), nat - 500 u (5 u/ul)	M5005
JumpStart [™] Taq ReadyMix, 100 r (50 ul final volume)	45-P2893-100RXN	Platinum [™] Hot Start PCR Master Mix (2X), 50 r (50 ul final volume)	13000-012	GoTaq [™] Hot Start Master Mixes, 100 r (50 ul final volume)	M5132
FastStart [™] PCR Master (50 ul final volume), 100 r	45-4710436001	**AmpliTaq Gold [™] 360 Master Mix (2x), 40 r (50 ul final volume)	4398876	GoTaq [™] Hot Start Master Mixes, 100 r (50 ul final volume)	M5132
JumpStart [™] REDTaq [™] ReadyMix [™] PCR Reaction Mix, 100 r (50 ul final volume)	45-P0982-100RXN	Platinum [™] Green Hot Start PCR Master Mix (2X), 50 r (50 ul final volume)	13001-012	GoTaq [™] Hot Start Master Mixes, 100 r (50 ul final volume) green	M5122
Extract-N-Amp [™] Blood PCR Kit - 100 extractions / 100 amplifications	45-XNAB2-1KT	Not Available	N/A	Not Available	N/A
Extract-N-Amp [™] Plant PCR Kit - 100 extractions / 100 amplifications	45-XNAP2-1KT	Not Available	N/A	Not Available	N/A
Extract-N-Amp [™] Tissue PCR Kit - 100 100 extractions / 100 amplifications	45-XNAT2-1KT	Not Available	N/A	Not Available	N/A
GenomePlex [®] Complete Whole Genome Amplification (WGA) Kit – 10 r	45-WGA2-10RXN	Not Available	N/A	Not Available	N/A
TransPlex [®] Complete Whole Transcriptome Amplification Kit - 10 r	45-WTA2-10RXN	Not Available	N/A	Not Available	N/A
Traditional RT-PCR (Reverse Transcriptase)					
M-MLV Reverse Transcriptase - 40.000 u (200 u/ul)	45-M1302-40KU	M-MLV Reverse Transcriptase - 40.000 u (200 U/μL)	28025-013	M-MLV Reverse Transcriptase - 50.000 u (200 u/ul)	M1705
Enhanced Avian Reverse Transcriptase [eAMV [™] RT] - 1.000 u	45-A4464-1KU	Not Available	N/A	AMV Reverse Transcriptase - 1.000 u	M5108
Transcriptor Reverse Transcriptase, 250 u - 25 r (20 ul final volume)	45-3531317001	SuperScript [™] III Reverse Transcriptase - 10.000 u, 200 u/ul (50 r)	18080-044	ImProm-II [™] Reverse Transcriptase - 100 r	A3802
Enhanced Avian First Strand Synthesis Kit - 50 r	45-STR1-1KT	SuperScript [™] III First-Strand Synthesis System, 50 r	18080-051	ImProm-II [™] Reverse Transcription System - 100 r	A3800
Transcriptor Universal cDNA Master, 100 r	45-5893151001	SuperScript [™] III First-Strand Synthesis System, 50 r	18080-051	GoScript [™] Reverse Transcriptase - 100 r	A5001
Transcriptor One-Step RT-PCR Kit, 50 r	45-4655877001	SuperScript [™] III One-Step RT-PCR System with Platinum [™] Taq DNA Polym, 25 r	12574-018	AccessQuick [™] RT-PCR System - 100 r	A1702
Ribonuclease inhibitor, human - 2.500 u	45-R2520-2.5KU	RNaseOUT [™] Recombinant Ribonuclease Inhibitor - 5.000 u	10777-019	Recombinant RNasin Ribonuclease Inhibitor - 2.500 u	N2511
Real Time-PCR					
LuminoCT [™] qPCR ReadyMix [™] with Reference Dye - 100 r (Fast qPCR)	45-L6669-100RXN	Not Available due to the presence of dTTP in our mixing. Thermo is dUTP	N/A	GoTaq [®] Probe qPCR Master Mix - 200 r (20 ul final volume)	A6101
FastStart Universal Probe Master (with ROX) - 250 r (20ul fin vol) ProbeLibrary	45-4913949001	EXPRESS qPCR Supermix, with premixed ROX, 200 r (20 ul final volume)	11795-200	Not Available	N/A
FastStart TaqMan [®] Probe Master - 100 r (50ul fin vol) ProbeLibrary	45-4673409001	EXPRESS qPCR Supermix, universal, 500 r (20 ul final volume)	11785-200	Not Available	N/A
LuminoCT [™] SYBR [®] Green qPCR ReadyMix with Reference Dye (separately) - 100 r (Fast qPCR)	45-L6544-100RXN	Not Available due to the presence of dTTP in our mixing. Thermo is dUTP	N/A	GoTaq [™] qPCR Master Mix for Dye-Based Detection (BRYT Green [™] dye), 200 r (50 ul final volume)	A6001
FastStart Universal SYBR Green Master (with ROX), 200 r (50ul final volume)	45-4913850001	EXPRESS SYBR [™] GreenER [™] qPCR Supermix, with premixed ROX, 200 r (50ul fin vol)	11794-200	Not Available	N/A
FastStart SYBR Green Master, 500 r (20 ul final volume)	45-4673484001	EXPRESS SYBR [™] GreenER [™] qPCR Supermix, universal, 500 r (20 ul final volume)	11784-200	Not Available	N/A
Quantitative RT-PCR ReadyMix - 100 reactions (one-step)	45-QR0200-1KT	EXPRESS One-Step Superscript [™] qRT-PCR Kit, universal, 500 r (20 ul final volume)	11781-200	GoTaq [™] Probe 1-Step RT-qPCR System - 200r (20ul final volume)	A6120
SYBR [®] Green Quantitative RT-PCR Kit - 100 reactions (one-step)	45-QR0100-1KT	EXPRESS One-Step SYBR [™] GreenER [™] Kit, universal, 500 r (20 ul final volume)	11780-200	GoTaq [™] 1-Step RT-qPCR System for Dye-Based Detection, 200 r (50ul final volume)	A6020
Related Reagents					
TRI Reagent [™] - 100 ml	45-T9424-100ML	TRIzol [™] Reagent - 100 ml	15596-026	Not Available	N/A
Deoxynucleotide Set (dATP, dCTP, dGTP, dTTP), 100 mM - 250 ul each	45-DNTP100-1KT	dNTP Set (100 mM) - 250 ul each	10297-018	Set of dATP, dCTP, dGTP, dTTP - (100 mM) - 250 ul each	U1420
Deoxynucleotide Mix, 10 mM, 200 ul (1ul / PCR reaction of 50uL final volume)	45-D7295-2ML	dNTP Mix (10 mM ea), 100 ul (1ul / PCR reaction of 50uL final volume)	18427-013	PCR Nucleotide Mix - 10 mM, 100 ul	C1141
ThermaGo [™] (increases PCR specificity and prevents mis-priming during PCR), 500 u	45-TGO-500	Not Available	N/A	Not Available	N/A
ThermaStop [™] (increases PCR specificity and improves hot start PCR), 500 u	45-TSTOP-500	Not Available	N/A	Not Available	N/A
ThermaStop [™] -RT (increases RT-PCR specificity and prevents mis-priming before RT-PCR), 250 u	45-TSTOPRT-250	Not Available	N/A	Not Available	N/A
Water, Molecular Grade - 1 L	45-W4502-1L	Nuclease-Free Water (not DEPC-Treated) - 1 L	AM9932	Nuclease-Free Water - 1 L	P1199
Dimethyl sulfoxide for molecular biology	45-D8418-50ML	Not Available	N/A	Not Available	N/A
Betaine solution, PCR reagent, 5 M - 1.5 mL	45-B0300-1VL	Not Available	N/A	Not Available	N/A
RNase AWAY [™] - 250 mL	45-83931-250ML	RNase AWAY [™] Decontamination Reagent - 250 mL	10328-011	Not Available	N/A

* Sigma-Aldrich's products* Roche's products



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