

EvaGreen qPCR MasterMix Selection Guide

Pipetting errors and instrument limitations can become inherently detrimental when viewed in the context of experiments like real-time quantitative PCR or RT-PCR. Therefore, in order to proactively compensate for such inadvertent yet common sources of errors, a reference dye can be very helpful. Inert by nature, a reference dye does not undergo any fluorescence change during experiments like real-time quantitative PCR or RT-PCR. Therefore, the addition of a reference dye helps normalize the fluorescent reporter signal in aforementioned experiments by allowing the software/instrument to adjust for minute differences or well-to-well inconsistencies. In this way, a reference dye enables minimal standard error (with respect to replicates in each experiment) and improves the overall performance of each experiment.

Different companies optimized their instruments with different reference dyes (ROX, Fluorescein, etc). **abm** offers its EvaGreen qPCR MasterMix in a comprehensive array of options where each MasterMix is preconfigured with a reference dye specific for a particular instrument. This way, the customers get to choose what works best for their instrument while having the advantage of using a reference dye.

Please refer and adhere to the guide shown below to select the MasterMix that will best serve your needs.

Producing Company	Name of Machine	Cat. No.
Applied Biosystems www.appliedbiosystems.com	StepOne™ Real-Time PCR System	Mastermix-R
	StepOnePlus™ Real-Time PCR System	Mastermix-R
	7500 Real-Time PCR System	Mastermix-LR
	7500 Fast Real-Time PCR System	Mastermix-LR
	7500 Fast Dx Real-Time PCR Instrument	Mastermix-LR
	7500 Real-Time PCR System for Human Identification	Mastermix-LR
	7300 Real-Time PCR System	Mastermix-R
	ViiA™ 7 Real-Time PCR System	Mastermix-LR
	7900HT Fast Real-Time PCR System	Mastermix-R
	OpenArray® Real-Time PCR Platform	Mastermix-R
	QuantStudio™ 12K Flex system	Mastermix-LR
	PRISM® 7000 Sequencing Detection System	Mastermix-R
	PRISM® 7700 Sequencing Detection System	Mastermix-R
	PRISM® 7900 Sequencing Detection System	Mastermix-R
	Gene Amp 5700	Mastermix-R
BioGene www.biogene.com	SynChron™	Mastermix-S
	InSyte™	Mastermix-LR



Producing Company	Name of Machine	Cat. No.
Bio-Rad Laboratories www.bio-rad.com	CFX96 Touch™ Real-Time PCR Detection System	Mastermix-S
	CFX384 Touch™ Real-Time PCR Detection System	Mastermix-S
	MyiQ Thermal Cycler	Mastermix-iC
	MyiQ2 Thermal Cycler	Mastermix-iC
	iQ5 Real-Time PCR Detection System	Mastermix-iC
	Chromo4™ Four-Color Real-Time Detector	Mastermix-S
	CFX Connect™ Real-Time PCR Detection System	Mastermix-S
	Opticon 2 - Continuous Fluorescence Detection System	Mastermix-S
	MiniOpticon™ Real-Time PCR Detection System	Mastermix-S
Cepheid www.cepheid.com	SmartCycler®	Mastermix-S
	GeneXpert	Mastermix-S
Eppendorf www.eppendorf.com	Mastercycler® ep realplex, Real-Time Thermal Cycler	Mastermix-S
	Mastercycler® ep realplex s, Real-Time Thermal Cycler	Mastermix-S
	Mastercycler® ep realplex 4, Real-Time Thermal Cycler	Mastermix-S
	Mastercycler® ep realplex 4s, Real-Time Thermal Cycler	Mastermix-S
	Mastercycler Pro	Mastermix-S
	Mastercycler Pro S	Mastermix-S
	Mastercycler Pro 384	Mastermix-S
	Mastercycler Nexus	Mastermix-S
	Mastercycler Nexus gradient	Mastermix-S
	Mastercycler Nexus eco	Mastermix-S
	Mastercycler Nexus flat	Mastermix-S
Enigma Diagnostics www.enigmadiagnostics.com	Enigma® ML	Mastermix-S
Idaho Technologies www.idahotech.com	LightScanner® 24 System	Mastermix-S
	LightScanner® 32 System	Mastermix-S
	RapidCycler® 2 System	Mastermix-S
	R.A.P.I.D. System	Mastermix-S
	RAZOR EX Instrument	Mastermix-S
	R.A.P.I.D. LT System	Mastermix-S
	R.A.P.I.D. LT Food Security System	Mastermix-S
	JBAIDS System	Mastermix-S
Roche Diagnostics Ltd www.roche-applied-science.com	LightCycler® 2.0 Instrument	Mastermix-S
	LightCycler® 1.5 Instrument	Mastermix-S
	LightCycler® 480 System (system I)	Mastermix-S
	LightCycler® 480 System (System II)	Mastermix-S
	LightCycler® 1536 System	Mastermix-S
	LightCycler® Nano System	Mastermix-S
Stratagene www.stratagene.com	Mx3000P® qPCR System	Mastermix-LR
	Mx3005P® qPCR System	Mastermix-LR
	Mx4000® qPCR System	Mastermix-LR
Qiagen www.qiagen.com	Rotor-Gene™ Q - Pure Detection	Mastermix-S
	Rotor-Gene™ 6000 (see Corbett Rotor-gene series below)	Mastermix-S



Producing Company	Name of Machine	Cat. No.
Takara www.takara-bio.com	Thermal Cycler Dice™ Real Time System	Mastermix-S
Illumina www.illumina.com	Eco Real-Time PCR System	Mastermix-LR
Analytikjena www.analytik-jena.de	qTower	Mastermix-LR
	qTower 2.0	Mastermix-LR
	qTower 2.2	Mastermix-LR
Biometra www.biometra.de	TOptical Thermocycler	Mastermix-R
Fluidigm	BioMark™ HD System	Mastermix-R
DNA-Technology www.dna-technology.com	DT-96 (same as DT prime)	Mastermix-S
	DT-96 (5 filters)	Mastermix-S
	DTlite	Mastermix-S
	DT-322	Mastermix-S
Bioer Technology www.bioer.com.cn/bioer/bioer_en	LineGene3310/3320 Real-Time PCR Detection System	Mastermix-S
	LineGene K FQD-48A(M2)	Mastermix-S
	LineGene K FQD-48A(A4)	Mastermix-S
	Line Gene I	Mastermix-S
	Line Gene II	Mastermix-S
	Line Gene 9620	Mastermix-S
	Line Gene 9640	Mastermix-S
	Line Gene 9660	Mastermix-S
	Line Gene 9680	Mastermix-S
Bioneer www.bioneer.com	Exicycler™	Mastermix-S
Corbett www.corbettlifescience.com	Rotor Gene 3000	Mastermix-S
	Rotor Gene 6200	Mastermix-S
	Rotor Gene 62H0	Mastermix-S
	Rotor Gene 6500	Mastermix-S
	Rotor Gene 65H0	Mastermix-S
	Rotor Gene 6600	Mastermix-S
Thermo Scientific www.thermoscientific.com/pikoreal	PikoReal	Mastermix-S
Wafergene	SmartChip System	Mastermix-R
TianLong	TL998 System	Mastermix-R
Abbott Molecular www.abbottmolecular.com	m2000RT	Mastermix-LR
Funglyn www.funglyn.com	FTC-3000	Mastermix-S

