

## BrightGreen 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 BrightGreen 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.
<b>Applied Biosystems</b> <a href="http://www.appliedbiosystems.com">www.appliedbiosystems.com</a>	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
<b>BioGene</b> <a href="http://www.biogene.com">www.biogene.com</a>	SynChron™	Mastermix-S
	InSyte™	Mastermix-LR

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<b>Bio-Rad Laboratories</b> <a href="http://www.bio-rad.com">www.bio-rad.com</a>	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
<b>Cepheid</b> <a href="http://www.cepheid.com">www.cepheid.com</a>	SmartCycler®	Mastermix-S
	GeneXpert	Mastermix-S
<b>Eppendorf</b> <a href="http://www.eppendorf.com">www.eppendorf.com</a>	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
<b>Enigma Diagnostics</b> <a href="http://www.enigmadiagnostics.com">www.enigmadiagnostics.com</a>	Enigma® ML	Mastermix-S
<b>Idaho Technologies</b> <a href="http://www.idahotech.com">www.idahotech.com</a>	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
<b>Roche Diagnostics Ltd</b> <a href="http://www.roche-applied-science.com">www.roche-applied-science.com</a>	LightCycler® 2.0 Instrument	Mastermix-S
	LightCycler® 1.5 Instrument	Mastermix-S
	LightCycler® 96 System	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
<b>Agilent</b> <a href="http://www.agilent.com/home">www.agilent.com/home</a>	Mx3000P® qPCR System	Mastermix-LR
	Mx3005P® qPCR System	Mastermix-LR
	Mx4000® qPCR System	Mastermix-LR
	AriaMx Realtime PCR System	Mastermix-LR

Producing Company	Name of Machine	Cat. No.
<b>Qiagen</b> <a href="http://www.qiagen.com">www.qiagen.com</a>	Rotor-Gene™ Q - Pure Detection	Mastermix-S
	Rotor-Gene™ 6000 (see Corbett Rotor-gene series below)	Mastermix-S
<b>Takara</b> <a href="http://www.takara-bio.com">www.takara-bio.com</a>	Thermal Cycler Dice™ Real Time System	Mastermix-S
<b>Illumina</b> <a href="http://www.illumina.com">www.illumina.com</a>	Eco Real-Time PCR System	Mastermix-LR
<b>Analytikjena</b> <a href="http://www.analytik-jena.de">www.analytik-jena.de</a>	qTower	Mastermix-LR
	qTower 2.0	Mastermix-LR
	qTower 2.2	Mastermix-LR
	qTower 3	Mastermix-LR
<b>Biometra</b> <a href="http://www.biometra.de">www.biometra.de</a>	TOptical Thermocycler	Mastermix-R
<b>Fluidigm</b>	BioMark™ HD System	Mastermix-R
<b>DNA-Technology</b> <a href="http://www.dna-technology.com">www.dna-technology.com</a>	DT-96 ( same as DT prime)	Mastermix-S
	DT-96 (5 filters)	Mastermix-S
	DTlite	Mastermix-S
	DT-322	Mastermix-S
<b>Bioer Technology</b> <a href="http://www.bioer.com.cn/bioer/bioer_en">www.bioer.com.cn/bioer/bioer_en</a>	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
<b>Bioneer</b> <a href="http://www.bioneer.com">www.bioneer.com</a>	Exicycler™	Mastermix-S
<b>Corbett</b> <a href="http://www.corbettlifescience.com">www.corbettlifescience.com</a>	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
<b>Thermo Scientific</b> <a href="http://www.thermoscientific.com/pikoreal">www.thermoscientific.com/pikoreal</a>	PikoReal	Mastermix-S
<b>Wafergene</b>	SmartChip System	Mastermix-R
<b>TianLong</b>	TL998 System	Mastermix-R

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Abbott Molecular www.abbottmolecular.com	m2000RT	Mastermix-LR
Funglyn www.Funglyn.com	FTC-3000	Mastermix-S
ESCO www.escoglobal.com	Swift™ Spectrum 96 SPT96-4	Mastermix-S
	Swift™ Spectrum 96 SPT96-8	Mastermix-S
	Swift™ Spectrum 48 SPT48	Mastermix-S
Techne techne.com	Quantica	Mastermix-S
	Prime Pro 48	Mastermix-S
	Prime Q	Mastermix-S



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