

Settings for 3plex real-time PCR kits

3plex, S6119 and S6201 kits

March 2021

Brand	Device	3plex kits, S6119 and S6201			
		Parameter	Reporter Dye Manual	Setting channel/dyes	Note
Applied Biosystems/ LifeTechnologies/ ThermoFisher Scientific	7000	It is not possible to use 3plex kits, S6119 and S6201 with this device!			
	7300	It is not possible to use 3plex kits, S6119 and S6201 with this device!			
	7500 / 7500 Fast	detection system 1	FAM	FAM	Please choose for all quencher dyes the software setting "none". Change the "passive reference dye" setting from "ROX" to "none".
		detection system 2	Cy5	Cy5	
		internal amplification control	VIC	VIC	
	7700	It is not possible to use 3plex kits, S6119 and S6201 with this device!			
	7900	It is not possible to use 3plex kits, S6119 and S6201 with this device!			
	StepOne™	It is not possible to use 3plex kits, S6119 and S6201 with this device!			
	StepOnePlus™	It is not possible to use 3plex kits, S6119 and S6201 with this device!			
	ViiA7™	detection system 1	FAM	FAM	Please choose for all quencher dyes the software setting "none". Change the "passive reference dye" setting from "ROX" to "none".
detection system 2		Cy5	Cy5		
internal amplification control		VIC	VIC		
Agilent	Mx3000P™, Mx3005P™, Mx4000™, AriaDx	detection system 1	FAM	FAM	Please select "Quantitative PCR (multiple standards)" as experiment type. Please select "none" as reference dye. For the FAM, HEX and Cy5 channel the Filter Set Gain Setting has to be modified to "x1".
		detection system 2	Cy5	Cy5	
		internal amplification control	HEX/VIC	HEX/VIC	
Analytik Jena	Q-Tower2	detection system 1	FAM	FAM	Please use clear plates!
		detection system 2	Cy5	Cy5	
		internal amplification control	VIC	VIC	

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BioMolecular Systems MIC	MIC	detection system	FAM	Green	
		internal amplification control	Cy5	Red	
		internal amplification control	VIC	Yellow	
BioRad	MyiQ	It is not possible to use 3plex kits, S6119 and S6201 with this device!			
	iCycler	It is not possible to use 3plex kits, S6119 and S6201 with this device!			
	MyiQ2	It is not possible to use 3plex kits, S6119 and S6201 with this device!			
	MiniOpticon	It is not possible to use 3plex kits, S6119 and S6201 with this device!			
	DNA Engine Opticon 2	It is not possible to use 3plex kits, S6119 and S6201 with this device!			
	iQ5	detection system 1	FAM	FAM	-
		detection system 2	Cy5	Cy5	
		internal amplification control	VIC	VIC	
	CFX96	detection system 1	FAM	FAM	-
		detection system 2	Cy5	Cy5	
internal amplification control		HEX	HEX		
BioRad	Chromo 4	detection system 1	FAM	FAM	-
		detection system 2	Cy5	Cy5	
		internal amplification control	VIC	VIC	

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Cepheid	SmartCycler	detection system 1	FAM	Kanal 1	Please use cooled tubes and racks for the PCR setup.
		detection system 2	Cy5	Kanal 4	
		internal amplification control	VIC	Kanal 2	
Corbett	Rotor-Gene 3000, Rotor-Gene 6000 (= Qiagen Rotor-Gene Q)	detection system 1	FAM	Green	Please use for the gain settings in all channels the value "5". Do not use the "Auto-Gain Optimisation" settings.
		detection system 2	Cy5	Red	
		internal amplification control	VIC	Yellow	
Eppendorf	realplex ² , realplex ⁴	It is not possible to use 3plex kits, S6119 and S6201 with this device!			
LifeTechnologies	<i>see Applied Biosystems</i>				
peqlab	peqSTAR96	detection system 1	FAM	FAM	-
		detection system 2	Cy5	Cy5	
		internal amplification control	VIC	VIC	
Qiagen	Rotor-Gene Q	detection system 1	FAM	Green	Please use for the gain settings in all channels the value "5". Do not use the "Auto-Gain Optimisation" settings. It is recommend to use only 0,1 ml tubes.
		detection system 2	Cy5	Red	
		internal amplification control	VIC	Yellow	

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R-Biopharm	RIDA®CYCLER	detection system	FAM	Green	-
		detection system 2	Cy5	Red	
		internal amplification control	VIC	Yellow	
Roche	LightCycle r® 1.5	It is not possible to use 3plex kits, S6119 and S6201 with this device!			
	LightCycle r® 2.0	It is not possible to use 3plex kits, S6119 and S6201 with this device!			
	LightCycle r® 480 I	detection system 1	FAM	450/500	-
		detection system 2	Cy5	615/670	
		internal amplification control	VIC	523/568	
	LightCycle r® 480 II	detection system 1	FAM	465/510	-
		detection system 2	Cy5	618/660	
		internal amplification control	VIC	533/580	
	cobas® z 480 Analyzer	detection system 1	FAM	465/510	-
		detection system 2	Cy5	610/670	
internal amplification control		VIC	540/580		

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Sacace Biotechnologies	SaCycler96	detection system 1	FAM	FAM	-
		detection system 2	Cy5	Cy5	
		internal amplification control	VIC	VIC	
Spartan	SpartanDX	It is not possible to use 3plex kits, S6119 and S6201 with this device!			
Stratagene	<i>see Agilent</i>				

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