

Settings for singleplex real-time PCR kits

singleplex kits

March 2021

Brand	Device	singleplex kits			
		Reporter Dye Manual	Quencher Dye Manual	Setting channels/dyes	Note
Applied Biosystems/ LifeTechnologies/ThermoFisher Scientific	7000	FAM	BHQ	FAM/none	Change the "passive reference dye" setting from "ROX" to "none".
	7300				
	7500 / 7500 Fast		TAMRA	FAM/TAMRA	
	7700				
	7900				
	StepOne™	FAM	BHQ	FAM/none	Due the fact that this device is not capable of the detection of TAMRA, the quencher settings must be defined as "none", independtly of the used quencher named in the manual. Change the "passive reference dye" setting from "ROX" to "none".
			TAMRA	FAM/ <u>none</u>	
	StepOnePlus™	FAM	BHQ	FAM/none	Change the "passive reference dye" setting from "ROX" to "none".
			TAMRA	FAM/TAMRA	
	ViiA7™	FAM	BHQ	FAM/none	Change the "passive reference dye" setting from "ROX" to "none".
TAMRA			FAM/TAMRA		
Agilent	Mx3000P™, Mx3005P™, Mx4000™	FAM	BHQ/ TAMRA	FAM	Please select "Quantitative PCR (multiple standards)" as experiment type. Please select "none" as reference dye. For the FAM channel the Filter Set Gain Setting has to be modified to "x1".

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Analytik Jena	Q-Tower2	FAM	BHQ/TAMRA	FAM	-
BioRad	MyiQ	FAM	BHQ/TAMRA	FAM	-
	MyiQ2				
	MiniOpticon				
	DNA Engine Opticon 2				
	iQ5				
	iCycler				
	CFX96				
	Chromo 4				
Cepheid	SmartCycler	FAM	BHQ/TAMRA	Kanal 1	Please use cooled tubes and racks for the PCR setup.
Corbett	Rotor-Gene 3000, Rotor-Gene 6000 (= Rotor-Gene Q)	FAM	BHQ/TAMRA	Green	Please use for the gain settings in all channels the value "5". Do not use the "Auto-Gain Optimisation" settings.
Eppendorf	realplex ² , realplex ⁴	FAM	BHQ1/TAMRA	FAM	-
LifeTechnologies	<i>see Applied Biosystems</i>				
LTF	MyGo Pro	FAM	BHQ	FAM	
peqlab	peqSTAR96	FAM	BHQ/TAMRA	FAM	-
Qiagen	Rotor-Gene Q	FAM	BHQ/TAMRA	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.
R-Biopharm	RIDA [®] CYCLER	FAM	BHQ/TAMRA	Green	

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Roche	LightCycler® 1.5	FAM	BHQ	F1	
			TAMRA	F1/F2	
	LightCycler® 2.0	FAM	BHQ	530/none	To improve the <u>initial detection of capillaries</u> , it is recommended to set the seek-temperature to 58°C. This does not influence the PCR. Please choose the following <u>analysis types</u> : "Qualitative Detection" (if a yes/no information is sufficient) or "Absolute Quantification" (if information about Cp values and/or copy number is required).
			TAMRA	530/560	For quantitative allergen-detection the <u>linear equation of the standard plot</u> is required. Since this software does not output all parameters therefore, please use the Excel sheet provided by CONGEN. Please contact us.
	LightCycler® 480 I	FAM	BHQ/TAMRA	450/500	
	LightCycler® 480 II	FAM	BHQ/TAMRA	465/510	
Sacace Biotechnologies	SaCycler96	FAM	BHQ/TAMRA	FAM	-
Spartan	SpartanDX	FAM	BHQ/TAMRA	FAM	-
Stratagene	<i>see Agilent</i>				

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