

Real-time PCR master mixes and instrument compatibility

Applications	TaqMan® and TaqPath real-time PCR master mixes								One-step real-time RT-PCR master mixes					
	Gene expression/ small RNA	Genotyping/ CNV	Gene expression/ genotyping	Gene expression/ genotyping	Gene expression	Genotyping/ SNP	Genotyping/ SNP	Gene expression	Gene expression/ pathogen detection	Gene expression/ pathogen detection	Gene expression/ pathogen detection	Gene expression for 1-step and multiplex	Gene expression/ pathogen detection	Gene expression/ pathogen detection
	TaqMan Fast Advanced Master Mix	TaqPath ProAmp Master Mix	TaqMan Universal PCR Master Mix	TaqMan Universal Master Mix II	TaqMan Gene Expression Master Mix	TaqMan Genotyping Master Mix	TaqMan GTXpress Master Mix	TaqMan Fast Universal PCR Master Mix	TaqMan RNA-to-C ₁ 1-Step Kit	Power SYBR Green RNA-to-C ₁ 1-Step Kit	TaqMan Fast Virus 1-Step Master Mix	TaqPath 1-Step Multiplex Master Mix	SuperScript III Platinum One-Step qRT-PCR Kit	SuperScript III Platinum One-Step qRT-PCR Kit w/ ROX
	4444556 4444557 4444963 4444964 4444965 4444558	A32704, A30865, A30866, A30871, A30867, A30872, A32705, A30868, A30869, A30873, A30870, A30874	4304437, 4305719, 4318157, 4326708, 4364338, 4364340, 4324018, 4324020, 4326614, 4364341, 4364343	4440043, 4440040, 4440047, 4440048, 4440049, 4440041, 4440042, 4440038, 4440044, 4440045, 4440046, 4440039	4370048 4369016 4369514 4369510 4369542 4370074	4371353 4371355 4381656 4371357 4381657	4403311 4401892 4401890 4401857	4352042 4364103 4366072 4366073 4367846	4392653 4392938 4392656	4391178 4389986	4444432 4444434 4444436	A28521, A28522, A28523, A28525, A28526, A28527	11732020 11732088	11745500 11745100
Instruments														
Analytik Jena qTOWER	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Applied Biosystems 7500	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Applied Biosystems 7500 Fast	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Applied Biosystems 7300	√	√	√	√	√	√	√	√	√	√	√	√*	√	√
Applied Biosystems 7900HT	√	√	√	√	√	√	√	√	√	√	√	√*	√	√
Applied Biosystems QuantStudio 12K Flex	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Applied Biosystems QuantStudio 6	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Applied Biosystems QuantStudio 3/5	√	√*	√	√	√	√	√	√	√	√	√	√*	√	√
Applied Biosystems QuantStudio 7	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Applied Biosystems StepOne	√	*	√	√	√	√	√	√	√	√	√	*	√	√
Applied Biosystems StepOnePlus	√	*	√	√	√	√	√	√	√	√	√	*	√	√
Applied Biosystems ViiA 7	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Bio-Rad CFX384	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Bio-Rad CFX96	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Bio-Rad iQ5	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Bio-Rad MiniOpticon	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Bio-Rad/MJ Chromo4	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Bio-Rad/MJ Opticon	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Bio-Rad/MJ Opticon 2	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Eppendorf Mastercycler ep realplex	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Qiagen/Corbett Rotor-Gene 6000	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Qiagen/Corbett Rotor-Gene Q	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Qiagen/Corbett Rotor-Gene 3000	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Roche LightCycler 480	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Roche LightCycler Nano	◊	◊	◊	◊	◊	◊	◊	◊	◊	◊	◊	◊	◊	◊
Agilent/Stratagene MX3000P	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Agilent/Stratagene MX3005P	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Agilent/Stratagene MX4000	√	√	√	√	√	√	√	√	√	√	√	√	√	√
TaKaRa T800	◊	◊	◊	◊	◊	◊	◊	◊	◊	√	◊	◊	◊	◊

√ – Indicates preferred kit and tested on this instrument.

◊ – Indicates kit should work, but has not been tested on this instrument.

* – Not compatible with multiplexing. The QuantStudio 3 system can be used for limited multiplexing; it is not compatible with Mustang Purple or Cy®5 dyes. The QuantStudio 5 system is compatible with multiplexing.

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SYBR Green real-time PCR master mixes

Applications	Gene expression SYBR Select Master Mix	Gene expression Fast SYBR Green Master Mix	Gene expression Power SYBR Green PCR Master Mix	Gene expression SYBR Green PCR Master Mix	Gene expression SYBR GreenER qPCR SuperMix Universal	Gene expression PowerUp SYBR Green Master Mix
Instruments	4472903, 4472908, 4472913, 4472918, 4472919, 4472920	4385610, 4385612, 4385616, 4385617, 4385618, 4385614	4367659, 4367660, 4368577, 4368702, 4368706, 4368708	4344463, 4309155, 4364344, 4364346, 4334973, 4312704	1176202K, 11762100, 11762500	A25742, A25743, A25776, A25777, A25778, A25779, A25780, A25918
Applied Biosystems 7500	√	√	√	√	√	√
Applied Biosystems 7500 Fast	√	√	√	√	√	√
Applied Biosystems 7300		√	√	√	√	√
Applied Biosystems 7900HT		√	√	√	√	√
Applied Biosystems QuantStudio 12K Flex	√	√	√	√	√	√
Applied Biosystems QuantStudio 6	√	√	√	√	√	√
Applied Biosystems QuantStudio 3/5	√	√	√	√	√	√
Applied Biosystems QuantStudio 7	√	√	√	√	√	√
Applied Biosystems StepOne	√*	√	√	√	√	√
Applied Biosystems StepOnePlus	√*	√	√	√	√	√
Applied Biosystems ViiA 7	√	√	√	√	√	√
Bio-Rad CFX384	√	√	√	◇	◇	√
Bio-Rad CFX96	√	√	√	◇	◇	√
Bio-Rad iQ5	√	√	√	√		√
Bio-Rad MiniOpticon	√	√	√	√	√	√
Bio-Rad/MJ Chromo4	√	√	√	√	√	√
Bio-Rad/MJ Opticon	√	√	√	√	√	√
Bio-Rad/MJ Opticon 2	√	√	√	√	√	√
Eppendorf Mastercycler ep realplex		√	√	√		√
Qiagen/Corbett Rotor-Gene 6000	√*	√	√	√	√	√
Qiagen/Corbett Rotor-Gene Q	√*	√	√	√	◇	√
Qiagen/Corbett Rotor-Gene 3000	√*	√	√	√	◇	√
Roche LightCycler 480	√	√	√	√		√
Roche LightCycler Nano		◇	◇	◇		◇
Agilent/Stratagene MX3000P	√	√	√	√	√	√
Agilent/Stratagene MX3005P	√	√	√	√	√	√
Agilent/Stratagene MX4000	√	√	√	√	√	√
TaKaRa T800		√	√	√		√

√ – Indicates preferred kit and tested on this instrument.

√* – Ensure primer concentration guide is followed (<200 nM for standard mode and 300–400 nM for fast mode). For StepOne/StepOnePlus System, install software version 2.3 or higher update.

◇ – Indicates kit should work, but has not been tested, on this instrument.

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