

Life Technologies™ real-time PCR master mixes and instrument compatibility

Applications	TaqMan® Real-Time PCR Master Mixes							One-Step Real-Time RT-PCR Master Mixes						
	Gene expression/ genotyping	Gene expression/ genotyping/SNP/ CNV	Gene expression/ small RNA	Genotyping/ SNP/crude lysates	Genotyping/ SNP/crude lysates	Gene expression	Gene expression/ small RNA	Gene expression/ pathogen detection	Gene Expression/ pathogen detection	Gene expression/ pathogen detection	Gene expression/ pathogen detection	Gene expression/ pathogen detection	Gene expression/ pathogen detection	Gene expression/ pathogen detection
	TaqMan® Universal Master Mix	TaqMan® Universal Master Mix II	TaqMan® Gene Expression Master Mix	TaqMan® Genotyping Master Mix	TaqMan® GTExpress Master Mix	TaqMan® Fast Universal Master Mix	TaqMan® Fast Advanced Master Mix	TaqMan® RNA- to-C ₁ Master Mix	Power SYBR® Green RNA-to- C ₁ 1-Step Kit	TaqMan® Fast Virus 1-Step Master Mix	EXPRESS One-Step SuperScript® qRT-PCR Kit, Universal	EXPRESS One-Step SuperScript® III Master Mix, with premixed ROX™	SuperScript® III One-Step RT- PCR Master Mix Universal	SuperScript® III One-Step RT- PCR Master Mix w/ ROX™
	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 4401890 4371357 4381657	4403311 4401892 4401890 4401857	4352042 4364103 4366072 4366073 4367846	4444556 4444557 4444963 4444964 4444965 4444558	4392653 4392938 4392656	4391178 4389986	4444432 4444434 4444436	11781200 1178101K	1179101K 11791200	11732020 11732088	11745500 11745100
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® 7	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Applied Biosystems® StepOne™	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Applied Biosystems® StepOnePlus™	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Applied Biosystems® ViiA™ 7	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Bio-Rad® CFX384™	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Bio-Rad® CFX96™	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Bio-Rad® iQ™5	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Bio-Rad® MiniOpticon™	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Bio-Rad®/MJ Chromo4™	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Bio-Rad®/MJ Opticon™	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Bio-Rad®/MJ Opticon™ 2	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Eppendorf® Mastercycler® ep realplex	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Eppendorf® Mastercycler® ep realplex ²	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Qiagen®/Corbett Roto-Gene® 6000	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Qiagen®/Corbett Roto-Gene® Q	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Qiagen®/Corbett Roto-Gene® 3000	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Roche® LightCycler® 480	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Roche® LightCycler Nano®	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇
Stratagene® MX3000P™	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Stratagene® MX3005P™	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Stratagene® MX4000	√	√	√	√	√	√	√	√	√	√	√	√	√	√
TaKaRa® T800	◇	◇	◇	◇	◇	◇	◇	◇	√	◇	◇	◇	◇	◇

√ – Indicates preferred kit and tested on this instrument

√* – Ensure S0/SOP software 2.3 update is installed and primer concentration guide is followed (<200 nM for standard mode and 300–400 nM for fast mode)

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

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Applications	SYBR® Green Real-Time PCR Master Mixes					
	Gene expression	Gene expression	Gene expression	Gene expression	Gene expression	Gene expression
	SYBR® Select Master Mix 4472903, 4472908, 4472913, 4472918, 4472919, 4472920	Fast SYBR® Green Master Mix 4385610, 4385612, 4385616, 4385617, 4385618, 4385614	Power SYBR® Green PCR Master Mix 4367659, 4367660, 4368577, 4368702, 4368706, 4368708	SYBR® Green Master Mix 4344463, 4309155, 4364344, 4364346, 4334973, 4312704	SYBR® GreenER™ qPCR SuperMix Universal 1176202K, 11762100, 11762500	SYBR® Select Master Mix for CFX 4472937, 4472942, 4472952, 4472953, 4472954
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® 7	✓		✓		✓	
Applied Biosystems® StepOne™	✓*		✓		✓	
Applied Biosystems StepOnePlus™	✓*		✓		✓	
Applied Biosystems® ViiA™ 7	✓		✓		✓	
Bio-Rad® CFX384™	✓		✓		◇	✓
Bio-Rad® CFX96™	✓		✓		◇	✓
Bio-Rad® iQ™5	✓		✓		✓	
Bio-Rad® MiniOpticon™	✓		✓		✓	✓
Bio-Rad®/MJ Chromo4™	✓		✓		✓	✓
Bio-Rad®/MJ Opticon™	✓		✓		✓	✓
Bio-Rad®/MJ Opticon™ 2	✓		✓		✓	✓
Eppendorf® Mastercycler® ep realplex		✓		✓		✓
Eppendorf® Mastercycler® ep realplex ²		✓		✓		✓
Qiagen®/Corbett Roto-Gene® 6000	✓*		✓		✓	✓
Qiagen®/Corbett Roto-Gene® Q	✓*		✓		✓	◇
Qiagen®/Corbett Roto-Gene® 3000	✓*		✓		✓	◇
Roche® LightCycler® 480	✓		✓		✓	
Roche® LightCycler Nano®		◇		◇		◇
Stratagene® MX3000P™	✓		✓		✓	✓
Stratagene® MX3005P™	✓		✓		✓	✓
Stratagene® MX4000	✓		✓		✓	✓
TaKaRa® T800		✓		✓		✓

✓ – Indicates preferred kit and tested on this instrument

✓* – Ensure S0/SOP software 2.3 update is installed and primer concentration guide is followed (<200 nM for standard mode and 300–400 nM for fast mode)

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

Find out more at lifetechnologies.com

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