

Thermocycler compatibility of RealFast™ Assays

Single-plex RealFast™ Assays require a real-time PCR instrument capable of recording FAM (520 nm) and HEX (556 nm) fluorescence.

Multiplex RealFast™ Assays require a real-time PCR instrument capable of recording FAM (520 nm), HEX (556 nm), ROX (605 nm) and Cy5 (670nm) fluorescence. They are not suitable for use with thermocyclers requiring ROX for normalization of data.

The following common real-time PCR instruments have been validated by ViennaLab to be fully compatible with RealFast™ Assays:

	Single-Plex Genotyping	Multiplex Genotyping	Variant Detection	Copy Number Variation (CNV)
	REF 7-110 / 7-113 REF 7-120 / 7-123 REF 7-130 / 7-133 REF 7-140 / 7-143 REF 7-150 / 7-153 REF 7-160 / 7-163 REF 7-170 / 7-173 REF 7-180 / 7-183 REF 7-190 / 7-193 REF 7-210 / 7-213 REF 7-230 / 7-233 REF 7-240 / 7-243 REF 7-250 / 7-253 REF 7-260 / 7-263	REF 7-115 / 7-118 REF 7-135 / 7-138 REF 7-165 / 7-168 REF 7-225 / 7-228 REF 7-265 / 7-268	REF 7-610 / 7-613 REF 7-620 / 7-623 REF 7-630 / 7-633 REF 7-640 / 7-643	REF 7-410 REF 7-420
7500 Fast (Applied Biosystems)	YES	YES	YES	YES
StepOne (Applied Biosystems)	YES	NO	YES	YES
QuantStudio 5 (Applied Biosystems)	YES	YES	YES	YES
CFX96 (Bio-Rad)	YES	YES	YES	YES
LightCycler 480 (Roche)	YES	YES	YES	YES
MiC qPCR Cycler (bms)	2-color 4-color	4-color only	2-color 4-color	2-color 4-color
Mx3005P (Agilent Technologies)	YES	NO	YES	YES
Rotor-Gene 6000 (Qiagen)	YES	YES	YES	YES

Detailed information (“QuickGuides”) about using RealFast™ Assays on those PCR instruments can be downloaded from the ViennaLab website: www.viennalab.com/support/realfast-assays

Please contact techhelp@viennalab.com in case your instrument of choice is not listed here.