

# 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<br>REF 7-120 / 7-123<br>REF 7-130 / 7-133<br>REF 7-140 / 7-143<br>REF 7-150 / 7-153<br>REF 7-160 / 7-163<br>REF 7-170 / 7-173<br>REF 7-180 / 7-183<br>REF 7-190 / 7-193<br>REF 7-210 / 7-213<br>REF 7-230 / 7-233<br>REF 7-240 / 7-243<br>REF 7-250 / 7-253<br>REF 7-260 / 7-263 | REF 7-115 / 7-118<br>REF 7-135 / 7-138<br>REF 7-165 / 7-168<br>REF 7-225 / 7-228<br>REF 7-265 / 7-268 | REF 7-610 / 7-613<br>REF 7-620 / 7-623<br>REF 7-630 / 7-633<br>REF 7-640 / 7-643 | REF 7-410<br>REF 7-420      |
| <b>7500 Fast (Applied Biosystems)</b>     | <b>YES</b>   | <b>YES</b>  | <b>YES</b>   | <b>YES</b>                  |
| <b>StepOne (Applied Biosystems)</b>       | <b>YES</b>   | <b>NO</b>   | <b>YES</b>   | <b>YES</b>                  |
| <b>QuantStudio 5 (Applied Biosystems)</b> | <b>YES</b>   | <b>YES</b>  | <b>YES</b>   | <b>YES</b>                  |
| <b>CFX96 / CFX Opus 96 (Bio-Rad)</b>      | <b>YES</b>   | <b>YES</b>  | <b>YES</b>   | <b>YES</b>                  |
| <b>LightCycler 480 (Roche)</b>            | <b>YES</b>   | <b>YES</b>  | <b>YES</b>   | <b>YES</b>                  |
| <b>MiC qPCR Cycler (bms)</b>              | <b>2-color<br/>4-color</b>   | <b>4-color only</b>   | <b>2-color<br/>4-color</b>   | <b>2-color<br/>4-color</b>  |
| <b>Mx3005P (Agilent Technologies)</b>     | <b>YES</b>   | <b>NO</b>   | <b>YES</b>   | <b>YES</b>                  |
| <b>Rotor-Gene 6000 (Qiagen)</b>           | <b>YES</b>   | <b>YES</b>  | <b>YES</b>   | <b>YES</b>                  |

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

Please contact [techhelp@viennalab.com](mailto:techhelp@viennalab.com) in case your instrument of choice is not listed here.