

Settings for PLUS and IAAC kits (exception S6119)

PLUS and IAAC kits

March 2021

| Brand | Device | PLUS and IAAC kits (exception S6119) | | | |
|---|---|--------------------------------------|---------------------|----------------------|--|
| | | Parameter | Reporter Dye Manual | Setting channel/dyes | Note |
| Applied Biosystems/ LifeTechnologies/ ThermoFisher Scientific | 7000 | detection system | FAM | FAM | Please choose for all quencher dyes the software setting "none". Change the "passive reference dye" setting from "ROX" to "none". |
| | 7300 | | | | |
| | 7500 / 7500 Fast | | | | |
| | 7700 | internal amplification control | VIC | VIC | |
| | 7900 | | | | |
| | StepOne™ | | | | |
| | StepOnePlus™ | | | | |
| ViiA7™ | | | | | |
| Agilent | Mx3000P™, Mx3005P™, Mx4000™, AriaDX | detection system | FAM | FAM | Please select "Quantitative PCR (multiple standards)" as experiment type. Please select "none" as reference dye. For the FAM and HEX channel the Filter Set Gain Setting has to be modified to "x1". |
| | | internal amplification control | HEX/VIC | HEX/VIC | |
| Analytik Jena | Q-Tower2 | detection system | FAM | FAM | Please use clear plates! |
| | | internal amplification control | VIC | VIC | |
| BioMolecular Systems MIC | MIC | detection system | FAM | Green | |
| | | internal amplification control | VIC | Yellow | |

Settings

Settings for PLUS and IAAC kits (exception S6119)

PLUS and IAAC kits

March 2021

| Brand | Device | PLUS and IAAC kits (exception S6119) | | | | |
|------------------|--|--|---------------------|----------------------|---|--|
| | | Parameter | Reporter Dye Manual | Setting channel/dyes | Note | |
| BioRad | MyiQ | It is not possible to use PLUS and IAAC kits with this device! | | | | |
| | iCycler | It is not possible to use PLUS and IAAC kits with the device in the initial state! It is necessary to calibrate the VIC dye. | | | | |
| | MyiQ2 | detection system | FAM | FAM | - | |
| | MiniOpticon | | | | | |
| | DNA Engine Opticon 2 | | | | | |
| | iQ5 | internal amplification control | HEX | HEX | | |
| | CFX96 | | | | | |
| | Chromo 4 | | | | | |
| Cepheid | SmartCycler | detection system | FAM | Kanal 1 | | Please use cooled tubes and racks for the PCR setup. |
| | | internal amplification control | VIC | Kanal 2 | | |
| Corbett | Rotor-Gene 3000, Rotor-Gene 6000 (= Qiagen Rotor-Gene Q) | detection system | FAM | Green | Please use for the gain settings in all channels the value "5". Do not use the "Auto-Gain Optimisation" settings. | |
| | | internal amplification control | VIC | Yellow | | |
| Eppendorf | realplex ⁴ | detection system | FAM | FAM | - | |
| | | internal amplification control | VIC | VIC | | |
| LifeTechnologies | <i>see Applied Biosystems</i> | | | | | |

Settings

Settings for PLUS and IAAC kits (exception S6119)

PLUS and IAAC kits

March 2021

| Brand | Device | PLUS and IAAC kits (exception S6119) | | | |
|------------|--------------|--------------------------------------|---------------------|----------------------|--|
| | | Parameter | Reporter Dye Manual | Setting channel/dyes | Note |
| LTF | MyGo Pro | detection system | FAM | FAM | Please use the dye files provided by R-Biopharm/CONGEN. |
| | | internal amplification control | VIC | VIC | |
| peqlab | peqSTAR96 | detection system | FAM | FAM | - |
| | | internal amplification control | VIC | VIC | |
| Qiagen | Rotor-Gene Q | detection system | FAM | 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. |
| | | internal amplification control | VIC | Yellow | |
| R-Biopharm | RIDA®CYCLER | detection system | FAM | Green | |
| | | internal amplification control | VIC | Yellow | |

Settings

Settings for PLUS and IAAC kits (exception S6119)

PLUS and IAAC kits

March 2021

| Brand | Device | PLUS and IAAC kits (exception S6119) | | | |
|--------------------------------|------------------------|--|---------------------|----------------------|---|
| | | Parameter | Reporter Dye Manual | Setting channel/dyes | Note |
| Roche | LightCycler® 1.5 | It is not recommended to use this cycler. | | | |
| | LightCycler® 2.0 | detection system | FAM | 530-none | A color compensation is necessary. The use of the SureCC Color Compensation Kit II is recommended. 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). |
| | | internal amplification control | VIC | 560-none | |
| | LightCycler® 480 I | detection system | FAM | 450/500 | |
| | | internal amplification control | VIC | 523/568 | |
| | LightCycler® 480 II | detection system | FAM | 465/510 | |
| | | internal amplification control | VIC | 533/580 | |
| | cobas® z 480 Analyzer | detection system | FAM | 465/510 | |
| | | internal amplification control | VIC | 540/580 | |
| | Sacace Biotechnologies | SaCycler96 | detection system | FAM | FAM |
| internal amplification control | | | VIC | VIC | |
| Spartan | SpartanDX | It is not possible to use PLUS and IAAC kits with this device! | | | |
| Stratagene | <i>see Agilent</i> | | | | |

Settings