

Q-PCR Master Mix Instrument Compatibility 2024



| Product Name | ExcelTaq™ 2X | ExcelTaq™ 2X | ExcelTa™ 2X Fast | ExcelTaq™ 2X Fast | ExcelTaq™ 2X | ExcelRT™ One-Step | ExcelRT™ One-Step |
|--|------------------|-----------------|-------------------|-------------------|------------------|-------------------|-------------------|
| | Q-PCR Master Mix | Q-PCR Master | Q-PCR Master Mix | Q-PCR Master Mix | Q-PCR Master Mix | RT-qPCR Kit | RT-qPCR Kit |
| | (SYBR, no ROX) | Mix (SYBR, ROX) | (SYBR, no ROX) | (SYBR, ROX) | (TaqMan, ROX) | (TaqMan, ROX) | (TaqMan, no ROX) |
| Cat. No. | TQ1100 | TQ1110 | TQ1200 | TQ1210 | TQ2110 | RQ2110 | RQ2200 |
| Detection chemistry | SYBR | SYBR | SYBR | SYBR | TaqMan | TaqMan | TaqMan |
| Blue contrast dye for best convenience | V | V | V | V | X | X | X |
| Reference dye | No Rox | High Rox | No Rox | High Rox | High Rox | High Rox | No Rox |
| Time required for enzyme activation | 10 min | 10 min | 2 min | 2 min | 10 min | 3 min | 3 min |
| qPCR program | Standard | Standard | Fast and Standard | Fast and Standard | Standard | Fast and Standard | Fast and Standard |

| Bio-Rad | | | | | | | |
|--|---|---|---|---|---|---|---|
| CFX96™, CFX384™, CFX Connect™, CFX Duet CFX Opus | V | V | V | V | V | V | V |
| Chromo4™, MiniOpticon™, Opticon™, Opticon™ 2 | V | V | V | V | V | V | V |
| iCycler®, iQ™ 5, MyiQ™ | V | V | V | V | V | V | V |

| Thermo Fisher (including Applied Biosystems and Life Technologies) | | | | | | | |
|--|---|---|---|---|---|---|---|
| 5700, 7000, 7300, StepOne™, StepOne™ plus | Δ | V | Δ | V | V | V | Δ |
| 7500, 7500 FAST, QuantStudio™ 1, 3, 5, 6, 7, 12k Flex, ViiA7™ | Δ | Δ | Δ | Δ | Δ | Δ | Δ |
| 7700, 7900, 7900HT, 7900HT FAST | Δ | V | Δ | V | V | V | Δ |
| Piko Real® | V | V | V | V | V | V | V |

V – Indicates the reagent is compatible to the instrument Δ – Indicates that if use the reagent to the instrument, ensure to de-select passive dye channel when data processing.

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|--|------------------|-----------------|-------------------|-------------------|------------------|-------------------|-------------------|
| | Q-PCR Master Mix | Q-PCR Master | Q-PCR Master Mix | Q-PCR Master Mix | Q-PCR Master Mix | RT-qPCR Kit | RT-qPCR Kit |
| | (SYBR, no ROX) | Mix (SYBR, ROX) | (SYBR, no ROX) | (SYBR, ROX) | (TaqMan, ROX) | (TaqMan, ROX) | (TaqMan, no ROX) |
| Cat. No. | TQ1100 | TQ1110 | TQ1200 | TQ1210 | TQ2110 | RQ2110 | RQ2200 |
| Detection chemistry | SYBR | SYBR | SYBR | SYBR | TaqMan | TaqMan | TaqMan |
| Blue contrast dye for best convenience | V | V | V | V | X | X | X |
| Reference dye | No Rox | High Rox | No Rox | High Rox | High Rox | High Rox | No Rox |
| Time required for enzyme activation | 10 min | 10 min | 2 min | 2 min | 10 min | 3 min | 3 min |
| qPCR program | Standard | Standard | Fast and Standard | Fast and Standard | Standard | Fast and Standard | Fast and Standard |

Qiagen (Corbett)

| | | | | | | | |
|-------------------|---|---|---|---|---|---|---|
| Rotor-Gene™ 3000, | | | | | | | |
| Rotor-Gene™ 6000, | V | V | V | V | V | V | V |
| Rotor-Gene™ Q | | | | | | | |

Roche

| | | | | | | | |
|-------------------|---|---|---|---|---|---|---|
| LightCycler® 480, | | | | | | | |
| LightCycler® 96, | V | V | V | V | V | V | V |
| LightCycler® Nano | | | | | | | |

Agilent (Stratagene)

| | | | | | | | |
|----------------|---|---|---|---|---|---|---|
| AriaMX, AriaDX | Δ | Δ | Δ | Δ | Δ | Δ | Δ |
| MX3000P®, | | | | | | | |
| MX3005P®, | Δ | Δ | Δ | Δ | Δ | Δ | Δ |
| MX4000P® | | | | | | | |

BMS

| | | | | | | | |
|-----|---|---|---|---|---|---|---|
| Mic | V | V | V | V | V | V | V |
|-----|---|---|---|---|---|---|---|

BJS

| | | | | | | | |
|---------|---|---|---|---|---|---|---|
| Xpress® | V | V | V | V | V | V | V |
|---------|---|---|---|---|---|---|---|

Cepheid

| | | | | | | | |
|--------------|---|---|---|---|---|---|---|
| SmartCycler® | V | V | V | V | V | V | V |
|--------------|---|---|---|---|---|---|---|

Eppendorf

| | | | | | | | |
|------------------|---|---|---|---|---|---|---|
| Mastercycler® ep | | | | | | | |
| realplex 2S | V | V | V | V | V | V | V |

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| | Q-PCR Master Mix | Q-PCR Master | Q-PCR Master Mix | Q-PCR Master Mix | Q-PCR Master Mix | RT-qPCR Kit | RT-qPCR Kit |
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| Cat. No. | TQ1100 | TQ1110 | TQ1200 | TQ1210 | TQ2110 | RQ2110 | RQ2200 |
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| Reference dye | No Rox | High Rox | No Rox | High Rox | High Rox | High Rox | No Rox |
| Time required for enzyme activation | 10 min | 10 min | 2 min | 2 min | 10 min | 3 min | 3 min |
| qPCR program | Standard | Standard | Fast and Standard | Fast and Standard | Standard | Fast and Standard | Fast and Standard |

| Fluidigm | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|
| BioMark™ | Δ | Δ | Δ | Δ | Δ | Δ | Δ |
| Hain Lifescience | | | | | | | |
| FluoroCycler® 96 | V | V | V | V | V | V | V |
| IT-IS Life Science | | | | | | | |
| MyGo Pro, MyGo Mini | V | V | V | V | V | V | V |
| PCRmax | | | | | | | |
| Eco™ | V | V | V | V | V | V | V |
| Takara | | | | | | | |
| Thermal Cycler Dice® | V | V | V | V | V | V | V |
| TP8000 | V | V | V | V | V | V | V |
| Techne | | | | | | | |
| PrimeQ, Quantica® | V | V | V | V | V | V | V |

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*ExcelTaq™ 2X Q-PCR Master Mix can be used with a variety of real-time instruments, including but not limited to the list above.

Q-PCR Master Mix Instrument Compatibility 2024



| Product Name | ExcelTaq™ 2X Q-PCR Master Mix (SYBR, no ROX) | ExcelTaq™ 2X Q-PCR Master Mix (SYBR, ROX) | ExcelTa™ 2X Fast Q-PCR Master Mix (SYBR, no ROX) | ExcelTaq™ 2X Fast Q-PCR Master Mix (SYBR, ROX) | ExcelTaq™ 2X Q-PCR Master Mix (TaqMan, ROX) | ExcelRT™ One-Step RT-qPCR Kit (TaqMan, ROX) | ExcelRT™ One-Step RT-qPCR Kit (TaqMan, no ROX) |
|--|--|---|--|--|---|---|--|
| Cat. No. | TQ1100 | TQ1110 | TQ1200 | TQ1210 | TQ2110 | RQ2110 | RQ2200 |
| Detection chemistry | SYBR | SYBR | SYBR | SYBR | TaqMan | TaqMan | TaqMan |
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| Reference dye | No Rox | High Rox | No Rox | High Rox | High Rox | High Rox | No Rox |
| Time required for enzyme activation | 10 min | 10 min | 2 min | 2 min | 10 min | 3 min | 3 min |
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| Analytik Jena | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|
| qTOWER ³ | V | V | V | V | V | V | V |
| Bioevopeak | | | | | | | |
| Real-time PCR system, PCR-Q96 Series | V | V | V | V | V | V | V |
| EiNS Sci | | | | | | | |
| E-QPCR4-CI, E-QPCR6-CI | V | V | V | V | V | V | V |
| Azure | | | | | | | |
| Cielo 6 (AIQ060), Cielo 3 (AIQ030) | V | V | V | V | V | V | V |
| Quantabio | | | | | | | |
| Q – qPCR Instrument | V | V | V | V | V | V | V |

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