

Flexibility when you need it

QuantStudio 6 Flex and QuantStudio 7 Flex Real-Time PCR Systems

The Applied Biosystems™ QuantStudio™ 6 Flex Real-Time PCR System is ideal for laboratories with multiple applications or end users on a limited budget. Easily interchangeable thermal cycling block formats let you select the format that best suits your project without having to move attached peripherals or computers. Choose from standard or 96-well Fast and 384-well formats.

With an upgrade path to the Applied Biosystems™ QuantStudio™ 7 Flex Real-Time System, the QuantStudio 6 Flex system is a great choice if you anticipate your needs will change in the future. The QuantStudio 7 Flex system allows you to run hundreds of real-time PCR reactions using Applied Biosystems™ TaqMan® Array Microfluidic Cards for maximum throughput in an automated environment.

- **Flexibility that minimizes large upfront capital investment**—interchange between 96-well, 96-well Fast, or 384-well formats
- **Skip the learning curve**—the intuitive software, easy touchscreen setup, and easy block change help you get started right away
- **Performance you can trust**—detect as small as 1.5-fold changes in singleplex reactions and 10x dynamic range
- **Upgrade capabilities when you need them**—easily upgrade to a QuantStudio 7 Flex system for additional automation, throughput, and multiplexing capabilities



Find out more at thermofisher.com/quantstudio6-7flex

Specifications

| | QuantStudio 6 Flex system | QuantStudio 7 Flex system |
|---------------------------------|---|--|
| Block configuration | 96-well, 96-well Fast, 384-well | 96-well, 96-well Fast, 384-well, TaqMan Array Card |
| Dimensions (H x W x D) | 73.8 x 50.1 x 66.1 cm | 73.8 x 50.1 x 66.1 cm |
| Block change design | Block change from front in less than 1 min; no tools required | Block change from front in less than 1 min; no tools required |
| Run time | 30 min (96-well Fast) 35 min (384-well) | 30 min (96-well Fast) 35 min (384-well) |
| Ramp-up rates | 3.9°C/sec (96-well) 6.5°C/sec (96-well Fast) 3.5°C/sec (384-well) | 3.9°C/sec (96-well) 6.5°C/sec (96-well Fast) 3.5°C/sec (384-well) 4.3°C/sec (TaqMan Array Card) |
| Ramp-down rates | 3.6°C/sec (96-well) 6.0°C/sec (96-well Fast) 3.0°C/sec (384-well) | 3.6°C/sec (96-well) 6.0°C/sec (96-well Fast) 3.0°C/sec (384-well) 3.7°C/sec (TaqMan Array Card) |
| Well-to-well variability | ±0.25°C | ±0.25°C |
| Excitation source | OptiFlex System lamp | OptiFlex System lamp |
| Detection channels | Excitation 455–672 nm Emission 505–723 nm | Excitation 455–672 nm Emission 505–723 nm |

Ordering information

| Product | Cat. No. | Instrument + 1-year extended warranty with AB Assurance Cat. No.* |
|--|----------|---|
| QuantStudio 6 Flex 96-Well Real-Time PCR System, laptop configuration | 4485689 | A27163 |
| QuantStudio 6 Flex 96-Well Fast Real-Time PCR System, laptop configuration | 4485699 | A27161 |
| QuantStudio 6 Flex 384-Well Real-Time PCR System, laptop configuration | 4485691 | A27960 |
| QuantStudio 6 Flex 96-Well Real-Time PCR System, desktop configuration | 4485692 | A27146 |
| QuantStudio 6 Flex 96-Well Fast Real-Time PCR System, desktop configuration | 4485697 | A27162 |
| QuantStudio 6 Flex 384-Well Real-Time PCR System, desktop configuration | 4485694 | A27958 |
| QuantStudio 7 Flex 96-Well Real-Time PCR System, laptop configuration | 4485688 | A27154 |
| QuantStudio 7 Flex 96-Well Fast Real-Time PCR System, laptop configuration | 4485698 | A27155 |
| QuantStudio 7 Flex 384-Well Real-Time PCR System, laptop configuration | 4485695 | A27152 |
| QuantStudio 7 Flex TaqMan Array Card Real-Time PCR System, laptop configuration | 4485700 | A27150 |
| QuantStudio 7 Flex 96-Well Real-Time PCR System, desktop configuration | 4485690 | A27157 |
| QuantStudio 7 Flex 96-Well Fast Real-Time PCR System, desktop configuration | 4485693 | A27156 |
| QuantStudio 7 Flex 384-Well Real-Time PCR System, desktop configuration | 4485701 | A27153 |
| QuantStudio 7 Flex TaqMan Array Card Real-Time PCR System, desktop configuration | 4485696 | A27151 |
| QuantStudio 6/7 Flex 96-Well Block Upgrade Kit | 4453543 | NA |
| QuantStudio 6/7 Flex 96-Well Fast Block Upgrade Kit | 4453544 | NA |
| QuantStudio 6/7 Flex 384-Well Block Upgrade Kit | 4453545 | NA |
| QuantStudio 7 Flex TaqMan Array Card Block Upgrade Kit | 4453546 | NA |

* Includes SmartStart orientation.

| Recommended plastics | | | | | |
|---|----------|--|----------|--|----------|
| 96-well block | Cat. No. | 96-well block Fast | Cat. No. | 384-well block | Cat. No. |
| MicroAmp EnduraPlate Optical 96-Well Clear Reaction Plates with Barcode | 4483354 | MicroAmp EnduraPlate Optical 96-Well Fast Clear Reaction Plates with Barcode | 4483485 | MicroAmp EnduraPlate Optical 384-Well Clear Reaction Plates with Barcode | 4483285 |
| MicroAmp Optical 96-Well Reaction Plate with Barcode | 4306737 | MicroAmp Fast Optical 96-Well Reaction Plate with Barcode, 0.1 mL | 4346906 | MicroAmp Optical 384-Well Reaction Plate with Barcode | 4309849 |
| MicroAmp Optical 8-Tube Strip with Attached Optical Caps, 0.2 mL | A30588 | MicroAmp Fast 8-Tube Strip | 4358293 | MicroAmp Optical 384-Well Reaction Plate | 4343370 |
| MicroAmp Optical Adhesive Film | 4360954 | MicroAmp Optical 8-Cap Strips | 4323032 | MicroAmp Optical Adhesive Film | 4360954 |
| | | MicroAmp Optical Adhesive Film | 4360954 | | |