

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		