applied biosystems

Ever better at the entry level

QuantStudio 1 Real-Time PCR System—simply accessible

The new Applied Biosystems™ QuantStudio™ 1 Real-Time PCR System makes quality and reliability the practical choice. This affordable instrument offers basic features ideal for those new to qPCR or with a limited budget. Despite its affordability, the QuantStudio 1 system still offers the craftsmanship and advanced user experience of our QuantStudio family of instruments.

Easy to use—a large 8.5-inch touchscreen; one fixed 96-well, 0.2 mL isothermal block; and an easy-to-open manual drawer

Capable of multiplexing—offers the three most commonly used excitation and emission filters

Lets you access, analyze, and share data anytime, anywhere with Thermo Fisher Connect—remotely monitor your runs in real time, analyze sophisticated data sets in minutes, securely store date, and share results online with colleagues across institutions and around the world

Offers superior service and support—more than 1,400 support specialists worldwide to partner with you to help enable your scientific success; flexible service plans are available to get you started quickly and help keep your instrument running, and we also offer on-site instrument and application-specific training and consulting by our experienced and highly trained field application scientists

The QuantStudio 1 system also provides you with an interactive touchscreen interface, intuitive software, pre-optimized protocol templates, and options for web browser–based or desktop analysis.

See specifications and ordering information on the other side of this flyer.

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Specifications

QuantStudio 1 Real-Time PCR System	
Sample capacity	96 wells
Reaction volume	10–100 µL
Dimensions and weight (H x W x D)	40 x 27 x 50 cm, <26 kg
Excitation source	Bright white LED
Optical detection	3 coupled filters
Excitation/detection range	450–600 nm/500–640 nm
Multiplexing	Up to 3 targets
2D barcode reading	Optional (compatible with external readers)
Heating/cooling method	Peltier
Maximum ramp rate	3.5°C/sec
Average sample ramp rate	1.8°C/sec
Temperature uniformity	0.4°C
Temperature accuracy	0.25°C
Run time	<40 min
Dye compatibility (name)	FAM/SYBR™ Green/SYTO™ 9; VIC/HEX/TET/JOE, JUN/ROX™/Texas Red™ dyes
Features to assist with 21 CFR Part 11 compliance	No
Detection sensitivity	1 copy
Sensitivity	Detect differences as small as 1.5-fold quantities in singleplex reactions

Ordering information

Product	Cat. No.
QuantStudio 1 Real-Time PCR System, 96-well, 0.2 mL block	A40426
QuantStudio 1 Real-Time PCR System, 96-well, 0.2 mL block, Laptop	A40427
QuantStudio 1 Real-Time PCR System, 96-well, 0.2 mL block, Desktop	A40428

Find out more at **thermofisher.com/quantstudio1**

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