



qPCR for who you are







QuantStudio real-time PCR and digital PCR systems

Every lab is unique. That's why you deserve a qPCR platform that fits your needs. Perhaps you're looking for simplicity on a budget, or reliable results from limited samples. Maybe your research requires high throughput for maximum productivity, or absolute answers to take your work to the next level. Whatever you need, there's an Applied Biosystems™ QuantStudio™ qPCR system that's just right for your research.



# Your research. Your way.

## QuantStudio™ real-time PCR and digital PCR systems

	Real-time PCR				Real-time & digital PCR	Digital PCR only
						
	QuantStudio™ 3 System	QuantStudio™ 5 System	QuantStudio™ 6 Flex System	QuantStudio™ 7 Flex System	QuantStudio™ 12K Flex System	QuantStudio™ 3D System
Price	\$	\$	\$	\$	\$	\$
Colors	4 colors	5 or 6 colors (21 filter combinations)	5 colors	6 colors (21 filter combinations)	6 colors (21 filter combinations)	2 colors (endpoint detection)
Available formats	96-well (0.2 mL block)	96-well (0.2 mL block)	96-well	96-well	96-well	20,000 partitions/chip
	96-well Fast (0.1 mL block)	96-well Fast (0.1 mL block) 384-well	96-well Fast 384-well	96-well Fast 384-well TaqMan® Array card (384-well microfluidic card)	96-well Fast 384-well TaqMan Array card (384-well microfluidic card) OpenArray™ plates (3,072 through-holes)	
Block change	Fixed	Fixed	Block change from front in less than 1 minute, no tools required			NA
VeriFlex™ temperature control	3 zones	6 zones (96-well blocks only)	NA			
Automation compatible	No	No	No	Yes	Yes	No
Throughput	Medium	Medium	Medium	High	Very high	Low
21 CFR Part 11 enablement	Security	Security, auditing, e-signature package	Optional security, auditing, e-signature packages available			No
Connectivity	Direct connection		Connect to cloud through computer			
Touch screen	Yes, interactive	Yes, interactive	Yes	Yes	Yes	Yes
Key applications	<ul style="list-style-type: none"> <li>Gene expression</li> <li>miRNA profiling</li> <li>SNP genotyping</li> <li>Copy number variation</li> <li>Protein thermal shift</li> <li>High resolution melt</li> <li>Pathogen detection</li> </ul>	<ul style="list-style-type: none"> <li>Gene expression</li> <li>miRNA profiling</li> <li>SNP genotyping</li> <li>Copy number variation</li> <li>Protein thermal shift</li> <li>High resolution melt</li> <li>Pathogen detection</li> </ul>	<ul style="list-style-type: none"> <li>Gene expression</li> <li>miRNA profiling</li> <li>SNP genotyping</li> <li>Copy number variation</li> <li>Protein thermal shift</li> <li>High resolution melt</li> <li>Pathogen detection</li> </ul>	<ul style="list-style-type: none"> <li>Gene expression</li> <li>miRNA profiling</li> <li>SNP genotyping</li> <li>Copy number variation</li> <li>Protein thermal shift</li> <li>High resolution melt</li> <li>Pathogen detection</li> <li>Pharmacogenomics</li> </ul>	<ul style="list-style-type: none"> <li>Gene expression</li> <li>miRNA profiling</li> <li>SNP genotyping</li> <li>Copy number variation</li> <li>Protein thermal shift</li> <li>High resolution melt</li> <li>Pathogen detection</li> <li>Pharmacogenomics</li> <li>Growing menu of qualified solutions</li> </ul>	<ul style="list-style-type: none"> <li>Quantification of molecular standards</li> <li>Absolute quantification</li> <li>Pathogen detection</li> <li>Load determination</li> <li>Copy number variation</li> <li>Digital PCR</li> </ul>

# I need ultimate simplicity

Intuitive and easy use for all levels of experience.

## QuantStudio 3 Real-Time PCR System

The QuantStudio 3 Real-Time PCR System is a small, affordable solution connecting you to your data like never before. Designed to be the easiest to use and most interactive instrument from the QuantStudio instrument family, the QuantStudio 3 system offers the high-performance analysis expected from Applied Biosystems™ instruments.

### Key benefits

#### Easy to use

Intuitive software design enables easy experiment setup and an interactive system allows you to get results faster. The upgraded touch screen offers an enhanced experience, with increased touch sensitivity and natural interface navigation.

#### qPCR connectivity

Directly connect to Thermo Fisher Cloud to access and analyze your data anytime, from anywhere with an Internet connection. Back up and share files to collaborate with colleagues worldwide. Monitor your runs in real time from mobile devices through the Instrument Connect mobile app.

#### Ready to run

Factory calibrated for optical and thermal accuracy, the instrument is delivered ready for quick installation and use.

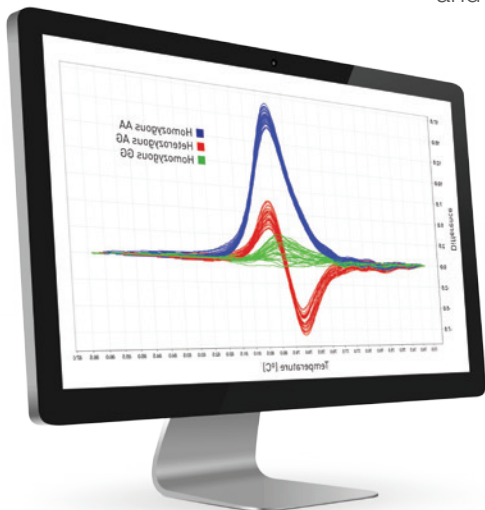
### Application spotlight

#### Identify more new variants quickly and accurately with high resolution melt

High resolution melt (HRM) analysis is based on detecting small differences in PCR melting (dissociation) curves. It is enabled by improved dsDNA-binding dyes used in conjunction with real-time PCR instrumentation that has precise temperature ramp control and advanced data-capture capabilities. Achieve high-throughput HRM analysis using a QuantStudio qPCR System with Applied Biosystems™ MeltDoctor™ software, built-in protocols, and calibrations.

#### Advantages of HRM

- Low reagent and sample consumption
- Fast, simple workflow
- Thermal optimization not required



The QuantStudio 3 system is simple, affordable, and designed to get users with all levels of experience up and running quickly.





# I need more control

Take charge of how you create and manage your results.

## QuantStudio 5 Real-Time PCR System

The QuantStudio 5 Real-Time PCR System is a high-performance benchtop instrument giving you greater control of your experimental data. Interact with the latest advancements in touch-screen usability, access your data more easily than ever before, and securely share your results with collaborators around the world.

### Key benefits

#### Multiplex with ease

Six excitation filters and six emission filters offer 21 different color combinations, allowing a broad range of detection chemistries and maximum multiplexing.\*

#### qPCR connectivity

Directly connect to Thermo Fisher Cloud to access and analyze your data anytime, from anywhere, with an Internet connection. Back up and share files to collaborate with colleagues worldwide. Monitor your runs in real time from mobile devices through the Instrument Connect mobile app.

#### Precise temperature control

VeriFlex technology on the QuantStudio 5 system provides six independent temperature zones for precise control over your PCR optimization.\*

#### Confidence in your records

Built-in security, auditing, and electronic signature (SAE) package comes standard on the QuantStudio 5 system to assist you in 21 CFR Part 11 compliance.

#### Protect your work

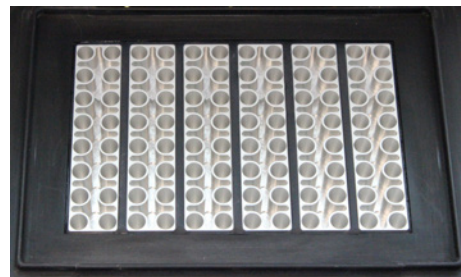
Individual user accounts and the ability to lock a protocol template gives you peace of mind that only you control your runs.

### Application spotlight

#### Better than gradient with Applied Biosystems™ VeriFlex™ Blocks

VeriFlex technology provides independent temperature zones that offer enhanced functionality and precise control over your qPCR runs. The QuantStudio 3 system has three programmable zones and the QuantStudio 5 system has six programmable zones for the 96-well standard and 96-well Fast blocks. These independent zones are ideal for qPCR optimization or the ability to run multiple experiments in the same run. Unlike standard gradients which give a sigmoidal temperature curve across the columns, VeriFlex Blocks help deliver accurate temperatures across each and every zone.

\* 384-well format includes 5 colors, no VeriFlex Block temperature control.



**The VeriFlex Block provides independent temperature zones.**

The QuantStudio 5 system combines ease of use and system connectivity with powerful options to enable maximum control.



# I need room to grow

Flexibility for today, tomorrow, and beyond.

## QuantStudio 6 Flex Real-Time PCR System

The QuantStudio 6 Flex Real-Time PCR System is ideal for laboratories with multiple applications or changing throughput needs. With an upgradable path to a QuantStudio 7 Flex System to accommodate automation or TaqMan Array cards, the QuantStudio 6 Flex System is the ideal qPCR platform if your needs change in the future.

### Key benefits

#### Flexibility that minimizes large up-front capital investment

With one instrument, you can interchange between 96-well, 96-well Fast, and 384-well formats.

#### Skip the learning curve

The intuitive software, easy touch-screen setup, and effortless block change are designed to let you get started right away.

#### Performance you can trust

Enables detection as small as 1.5-fold changes in singleplex reactions and with 10 logs dynamic range.

#### Upgrade capabilities when you need it

The QuantStudio 6 Flex System can be seamlessly upgraded to a QuantStudio 7 Flex System by a field service engineer to give you additional automation, throughput, and multiplexing capabilities.

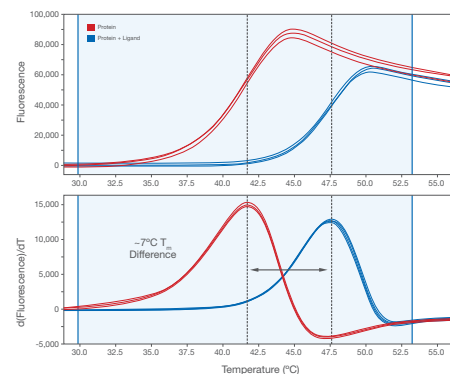
### Application spotlight

#### Analyze protein melt profiles and protein thermal stability

Applied Biosystems™ Protein Thermal Shift™ software and reagents enable a real-time PCR system solution for differential scanning fluorometry. Run a real-time protein melt experiment to screen for ligand-protein binding, optimize buffer conditions, or identify protein stability changes. The Protein Thermal Shift solution offers a high-throughput and inexpensive alternative to traditional methods.

#### Advantages of the Protein Thermal Shift solution

- Results in as little as five minutes
- User-friendly software for differential scanning fluorometry
- Run thousands of reactions per day at pennies per reaction



Fluorescence melt curve plot and derivative curve plot for a protein before (red) and after (blue) a ligand is added.



The QuantStudio 6 Flex system gives you flexibility at an affordable price.



# I need more versatility

Moving from application to application is now easier than ever with additional dyes, formats, and automation potential.

## QuantStudio 7 Flex Real-Time PCR System

The QuantStudio 7 Flex Real-Time PCR System delivers reliability, sensitivity, and accuracy with the versatility of four interchangeable blocks. The QuantStudio 7 Flex system is optimized to enable the broadest range of qPCR applications.

### Key benefits

#### Accomplish more, faster

Run hundreds of real-time PCR reactions using TaqMan Array microfluidic cards integrated with an automation robot. The QuantStudio 7 Flex system can help maximize your throughput capabilities for automated environments.

#### High application versatility

Offers optimized protocols, reagents, and intuitive software for the broadest range of applications, including:

- Gene expression
- Long noncoding RNA analysis
- Pri-miRNA analysis
- Mutation detection
- High resolution melt
- SNP genotyping
- MicroRNA profiling
- Protein thermal shift

#### Get results you can trust

Enabling improved well-to-well and instrument-to-instrument data accuracy, the Applied Biosystems™ OptiFlex™ System features six decoupled excitation and emission filter channels, with 21 filter combinations for maximum multiplexing and chemistry flexibility.

### Application spotlight

#### Identification of novel pathways contributing to immune response

The Applied Biosystems™ TaqMan® Human Immune Array Card is a cost-effective, easy-to-use microfluidic card for quantitative gene expression analysis of targets known to have implications in immune response. The gene targets on the TaqMan Human Immune Array Card include cytokines, chemokines, growth factors, immune regulators, apoptosis markers, ischemia markers, tissue-specific markers, and others, including classic endogenous markers. The array is cost-effective, convenient, and easy to use without needing expensive robotics. It enables reproducible and consistent results across samples, studies, and labs—providing the same data quality from card to card and lot to lot—even with different operators. Hundreds of customizable and predefined TaqMan Array microfluidic cards are available, containing preloaded Applied Biosystems™ TaqMan® Gene Expression or MicroRNA Assays in an easy-to-use format.



Help advance your research further with the application versatility of the QuantStudio 7 Flex system.



# I need maximum productivity

Harness the power of high-throughput technology for maximum productivity with minimum effort.

## QuantStudio 12K Flex Real-Time PCR System

With this one instrument, your lab can be ready for many types of experiments and users, from low- to high-throughput sample processing and virtually any PCR application, such as:

- Drug discovery
- Pharmacogenomics
- MicroRNA profiling
- Agriculture molecular testing
- *CFTR* mutation analysis
- Vaginal microbiota testing

### Key benefits

#### Miniaturization at lower cost

Applied Biosystems™ OpenArray™ technology is a broadly applicable nanoliter fluidics platform for low-volume, solution-phase reactions, and enables lower reagent and assay costs, and rapid parallel processing.

#### Unparalleled throughput

The QuantStudio 12K Flex system can simultaneously run up to four 3,072-reaction OpenArray plates in about 4 hours. Produce up to 110,000 data points in an 8-hour day with the addition of a single Applied Biosystems™ ProFlex™ PCR System.

#### Outstanding flexibility

Seamlessly switch between five available thermal cycling blocks: OpenArray plate, TaqMan Array card, 384-well, and standard or Fast 96-well blocks. Choose and load the thermal-cycling block typically in less than 1 minute and with no required tools.

### Increased data integrity and quality control—with results you can trust

The integrated sample tracking and security, auditing, and electronic signature (SAE) module assist you in 21 CFR Part 11 compliance.

### Application spotlight

#### Pharmacogenomics

Pharmacogenomics is the study of drug efficacy based on individuals' unique genomic composition. The QuantStudio 12K Flex system and OpenArray technology provide a simple, cost-effective, and fast screening workflow for the analysis of mutations and copy number variants for drug metabolism enzyme (DME) genes.

1. Load samples  
onto OpenArray plate.

Minimal hands-on time



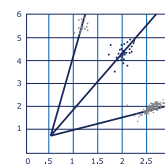
2. Cycle & image  
OpenArray plates.

Up to 1,100 samples per 8 hr day



3. Analyze  
results.

AppliedBiosystems™  
AlleleTyper™ Software for  
star allele reports



With the QuantStudio 12K Flex system and OpenArray technology, a single user can generate from 1 to over 12,000 data points in a single run with minimal hands-on time.





# I need absolute answers

Take your research to the next level with technology that is as innovative as your research.

## QuantStudio 3D Digital PCR System

The QuantStudio 3D Digital PCR System leverages high-density nanofluidic chip technology for investigations that involve detecting rare events, analyzing small differences between two targets, or counting the exact number of targets in a sample. Due to the higher precision, sensitivity, and absolute nature of digital PCR, it is ideal for the following applications:

- Qualification of molecular standards used in traditional real-time PCR experiments
- Pathogen detection and load determination
- Rare-target detection such as somatic mutation detection in oncology research
- GMO detection and contamination assessment
- Generation of references and standards
- Copy number variation

### Key benefits

#### Simple workflow

A streamlined workflow with minimal sample handling enables turnkey processing. Just load and go.

#### Affordable

Less than half the price of competing platforms, making new digital PCR technology within reach for most labs.

#### Absolute quantification

20,000 reaction wells yield data in copies/ $\mu$ L, enabling high precision and sensitivity without the need for a standard curve.

#### Sealed system

Helps limit contaminants with a sealed chip and no exposed sample transfer steps.

#### Easily fits in populated spaces

Small footprint (7 x 5 x 9 in.) will fit most benchtops and can be moved when needed.

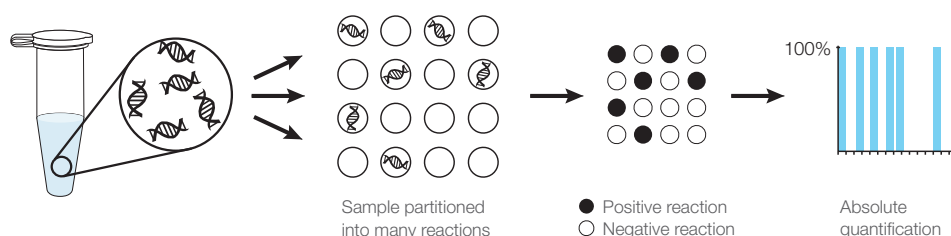
#### Compatible

Use your existing Applied Biosystems™ TaqMan® Real-Time PCR Assays for a digital result.

### Application spotlight

#### Determining low copy number in equivocal tissue

Many cancers are regulated by mutations in a specific gene or group of genes, or copy number changes. These aberrations can be associated with aggressiveness of the disease or prognosis. Digital PCR provides a fast and easy workflow to precisely identify low copy numbers that have small differences. Compared to immunohistochemistry by fluorescence *in situ* hybridization, digital PCR is less impacted by tissue heterogeneity and provides clearer results.



The QuantStudio 3D Digital PCR System enables sensitive and precise absolute target quantification without the use of a reference or standard curve.



# Analysis software

We offer Applied Biosystems primary and secondary analysis software for real-time PCR and digital PCR applications.

Software and description	QuantStudio 3	QuantStudio 5	QuantStudio 6 Flex	QuantStudio 7 Flex	QuantStudio 12K Flex	QuantStudio 3D
Web browser-based primary analysis software	•	•	•	•	•	•
Desktop primary analysis software	•	•	•	•	•	
Sample Tracker Software facilitates sample loading onto OpenArray plate					•	
HRM Software module for 96-well and 384-well blocks	•	•	•	•	•	
Security, auditing, and electronic signature (SAE) software (to support 21 CFR Part 11 workflow)		•	•	•	•	
ExpressionSuite™ Software for enhanced gene expression analysis	•	•	•	•	•	
Genotyper™ Software for SNP genotyping data analysis	*coming soon	*coming soon	•	•	•	
DigitalSuite™ Software to switch from real-time to digital PCR data analysis					•	
QuantStudio™ 3D AnalysisSuite™ Software for data QC and multi-chip analysis						•
Protein Thermal Shift (PTS) Software	•	•	•	•	•	

\* Available in 2017.

# Applied Biosystems Analysis Modules

Applied Biosystems™ Analysis Modules are innovative cloud-based data analysis applications that bring together multiple data sets in one convenient place for enhanced analysis and insights. Experience unprecedented ease of use by working from anywhere, with any operating system, on any computer connected to the Internet.

Get access to the latest secondary data analysis technology with updated, improved, and always current software modules for gene expression, genotyping, absolute quantitation, high resolution melt (HRM), and presence/absence analysis.

Combine hundreds of qPCR experiments into a project and analyze the data within minutes. Simplify your workflow and spend less time on data analysis, so you can invest your valuable time publishing your results and advancing your research.

- Data accessible with any device
- All experiments integrated into one project
- MIQE guideline support
- Powered by Amazon Web Services™

Meet the needs of your laboratory today and tomorrow.

For more information, go to  
**[thermofisher.com/abmodules](http://thermofisher.com/abmodules)**



# Real-time PCR application areas

Real-time PCR is used for sensitive, specific detection and quantification of nucleic acid targets. We have developed powerful assay design algorithms, optimized master mixes, intuitive data analysis software, and flexible instrumentation to help harness the power of qPCR across a rich and diverse set of applications. Discover solutions for your qPCR-based research.

## **Infectious disease research**

See our growing catalog of sensitive, specific real-time PCR probe and primer sets for human viruses and other areas of infectious disease research.

## **Food pathogen detection**

Detect multiple bacteria in the same run, including *Salmonella*, *Campylobacter*, *E. coli* O157:H7, and *Listeria monocytogenes*.

## **Waterborne pathogen detection**

Designed to detect and monitor waterborne pathogens in recreational and drinking water supplies.

## **Pharmaceutical analytics**

Designed to detect mycoplasmas, viruses, and residual host cell contamination for pharmaceutical, cosmetics, and personal care product manufacturing.

## **Qualified solutions**

A growing menu of new and valuable content for you to use on your high-throughput real-time PCR systems, including pharmacogenomics, vaginal microbiota, and *CFTR* mutation analysis.

## **Stem cell research**

Solutions for analyzing stem cells, determining stemness, and studying gene regulation and translation in stem cells.

## **Pharmacogenomics**

Predesigned TaqMan Assays for more than 175 ADME and CYP targets, including >95% of ADME core markers and a warfarin metabolism panel.

## **Oncology and genetic disease research**

Enabling robust, reliable detection and quantitation of markers for cancer and genetic diseases.

## **Plant sciences and agricultural biotechnology**

Instruments, reagents, and kits designed for plant researchers that enable remarkable agricultural discoveries—from improved crops that feed more people to sustainable biofuels.



# TaqMan chemistry and SYBR Green chemistry for real-time PCR

We offer two types of chemistries to detect PCR products using real-time PCR instruments:

- TaqMan Assay chemistry (also known as fluorogenic 5' nuclease chemistry)
- SYBR™ Green I dye chemistry

	TaqMan Assay—based detection	SYBR Green—based detection
Chemistry overview	Uses a fluorogenic probe to enable detection of a specific PCR product as it accumulates during PCR cycles	Uses SYBR™ Green I, or similar dye that binds to double-stranded DNA to detect PCR product as it accumulates during PCR

	TaqMan Assay reagents	SYBR Green reagents
Specificity	High	Low
Sensitivity—low copy number	High	Variable*
Reproducibility	High	Variable*
Multiplexing	Yes	No
Predesigned assays	Yes	No
Custom assays	Yes	No
User design and optimization	No	Yes
Cost	High	Low*
Gene expression quantitation	High	Low
DNA quantitation	Yes	Yes (pathogen detection)
ChIP	Yes	Yes
SNP genotyping	Yes	No
MicroRNA	Yes	No
Copy number	Yes	No
Somatic mutation detection	Yes	No
Pathway analysis	Yes	No
Digital PCR	Yes	No

\* Depends on template quality, and primer design and optimization.

## Ordering information

Product	Cat. No.
<b>QuantStudio 3 Real-time PCR System configurations</b>	
QuantStudio 3 96-well (0.2 mL block) instrument*	A28137
QuantStudio 3 96-well Fast (0.1 mL block) instrument*	A28136
<b>QuantStudio 5 Real-time PCR System configurations</b>	
QuantStudio 5 96-well (0.2 mL block) instrument*	A28139
QuantStudio 5 96-well Fast (0.1 mL block) instrument*	A28138
QuantStudio 5 384-well instrument*	A28140
<b>QuantStudio 6 Flex Real-time PCR System configurations</b>	
QuantStudio 6 Flex 96-well instrument, laptop configuration	4485689
QuantStudio 6 Flex 96-well Fast instrument, laptop configuration	4485699
QuantStudio 6 Flex 384-well instrument, laptop configuration	4485691
QuantStudio 6 Flex 96-well instrument, desktop configuration	4485692
QuantStudio 6 Flex 96-well Fast instrument, desktop configuration	4485697
QuantStudio 6 Flex 384-well instrument, desktop configuration	4485694
QuantStudio 6/7 Flex 96-well block upgrade kit	4453543
QuantStudio 6/7 Flex 96-well Fast block upgrade kit	4453544
QuantStudio 6/7 Flex 384-well block upgrade kit	4453545
<b>QuantStudio 7 Flex Real-time PCR System configurations</b>	
QuantStudio 7 Flex 96-well instrument, laptop configuration	4485688
QuantStudio 7 Flex 96-well Fast instrument, laptop configuration	4485698
QuantStudio 7 Flex 384-well instrument, laptop configuration	4485695
QuantStudio 7 Flex TaqMan Array Card instrument, laptop configuration	4485700
QuantStudio 7 Flex 96-well instrument, desktop configuration	4485690
QuantStudio 7 Flex 96-well Fast instrument, desktop configuration	4485693
QuantStudio 7 Flex 384-well instrument, desktop configuration	4485701
QuantStudio 7 Flex TaqMan Array Card instrument, desktop configuration	4485696
QuantStudio 6/7 Flex 96-well block upgrade kit	4453543
QuantStudio 6/7 Flex 96-well Fast block upgrade kit	4453544
QuantStudio 6/7 Flex 384-well block upgrade kit	4453545
QuantStudio 7 Flex TaqMan Array Card block upgrade kit	4453546

\* Does not include computer. Additional Cat. Nos. are available that include laptop or desktop computer.

## Ordering information

Description	Cat. No.
<b>QuantStudio 12K Flex System configurations</b>	
QuantStudio 12K Flex OpenArray block includes AccuFill System, laptop configuration	4471086
QuantStudio 12K Flex OpenArray block without AccuFill System, laptop configuration	4472379
QuantStudio 12K Flex 96-well instrument, laptop configuration	4471050
QuantStudio 12K Flex 96-well Fast instrument, laptop configuration	4471080
QuantStudio 12K Flex 384-well instrument, laptop configuration	4471081
QuantStudio 12K Flex TaqMan Array Card instrument, laptop configuration	4471085
QuantStudio 12K Flex OpenArray block includes AccuFill System, desktop configuration	4471090
QuantStudio 12K Flex OpenArray block without AccuFill System, desktop configuration	4472380
QuantStudio 12K Flex 96-well instrument, desktop configuration	4471087
QuantStudio 12K Flex 96-well Fast instrument, desktop configuration	4471088
QuantStudio 12K Flex 384-well instrument, desktop configuration	4471134
QuantStudio 12K Flex TaqMan Array Card instrument, desktop configuration	4471089
QuantStudio 12K Flex 96-well block upgrade kit	4453543
QuantStudio 12K Flex 96-well Fast block upgrade kit	4453544
QuantStudio 12K Flex 384-well block upgrade kit	4453545
QuantStudio 12K Flex TaqMan Array Card block upgrade kit	4453546
QuantStudio 12K Flex OpenArray block upgrade kit with AccuFill System	4471067
QuantStudio 12K Flex AccuFill System	4471021
ProFlex Dual Flat PCR System	4484078
<b>QuantStudio 3D Digital PCR System</b>	
QuantStudio 3D Digital PCR System Package—includes:	A25581
QuantStudio 3D Digital PCR Instrument	4481097
QuantStudio 3D Digital PCR Chip Loader	4482592
QuantStudio 3D Digital PCR Chip Adapter Kit for Flat Block Thermal Cycler	4485513
QuantStudio 3D Digital PCR 20K Chip Pack (includes consumables)	4485507
ProFlex Dual Flat PCR System	4484078
QuantStudio 3D Digital PCR Master Mix (1.5 mL)	4482710

# Support at every step

## Online instrument management

Sign in to your thermofisher.com account to access the award-winning\* free online Instrument Management\*\* tool that enables faster responses to requests for service or service quotes, plus instant connection to key instrument and service information.

## Comprehensive instrument warranty

Our factory-trained and certified field service engineers (FSEs) are focused on delivering the highest-quality workmanship. During the warranty period, all repairs, including engineer time and travel, are covered.

## Flexible service plans

Choose from a variety of service options that balance your budget, productivity, uptime, and regulatory requirements. Plans start with the most basic repair models and scale to premium offerings including advanced support and compliance services. On-site service plans are optimal for labs that have time-sensitive work and need to get their instrument back online quickly. These plans include guaranteed response times in most regions, scheduled planned maintenance, and automatic software updates. The AB Repair Center plan is the cost-effective choice for customers who can allow their instrument to be sent away for repair—this plan provides a loaner instrument so that customers can maintain productivity while their instrument is being repaired.

## Professional services

Our services are designed to help you balance business and regulatory requirements—from risk assessment, hardware/software qualification, full system validation, and LIMS interfacing services to data storage and backup solutions. We partner with you to help mitigate regulatory risks, get your processes up and running, and help ensure data integrity across your lab.

## Training courses

Our application and instrument training programs are led by scientists who aim to enhance your workday through experimental design best practices, workflow training, and instrument troubleshooting. Hands-on classes are available at our Thermo Fisher Scientific training centers or in your lab.

## Technical support

If you have questions about product selection or use, assay or experimental design, data analysis, or troubleshooting, contact our team of technical support scientists or access our online product and application support tools.

## How to reach us

To find your local support or technical support team, go to [thermofisher.com/contactus](https://thermofisher.com/contactus). For product FAQs, protocols, training courses, and webinars, go to [thermofisher.com/technicalresources](https://thermofisher.com/technicalresources)

\* 2012 Oracle™ Fusion Middleware Innovation Award.

\*\* Instruments and Services Portal not available in all regions.

# Service plans at a glance

	Repair Center service plans*		On-site service plans		
	AB Repair Center Support Plus	AB Repair Center Support Plus Care	AB Maintenance Plus	AB Assurance	AB Complete
On-site response time			Target 2 business days**	Guaranteed 2 business days**	Guaranteed next business day**
Scheduled on-site planned maintenance (PM)		✓	✓	✓	✓
Remote diagnostics	✓	✓	✓	✓	✓
Parts, labor, and travel for repair included	✓	✓	10% discount optional add-on in selected regions	✓	✓
Computer repair and replacement included	✓	✓		✓	✓
Priority access to Tech Support (Mon–Fri, 8 a.m.—5 p.m. local time)	✓	✓		✓	✓
Priority access to Remote Service Engineer	✓	✓		✓	✓
Requalification post-PM and critical repairs					✓
Field Application Scientist consultation					✓
Loaner instrument issued during repair (Repair Center plans only)	✓	✓			

\* Repair Center service plans available for QuantStudio 3 and 5 Real-Time PCR Systems only.

\*\* Response times vary by region.





For more info, go to:

**[thermofisher.com/quantstudioqpcrfamily](https://thermofisher.com/quantstudioqpcrfamily)**

**ThermoFisher**  
S C I E N T I F I C

**The QuantStudio 3, 5, 6 Flex, 7 Flex, 12K Flex, and 3D are for Research Use Only. Not for use in diagnostic procedures.**

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