ThermoFisher SCIENTIFIC

qPCR

Discover the power of molecular diagnostics

A comprehensive portfolio for accurate results

For *In Vitro* Diagnostic Use.

applied biosystems

Contents

Putting you in control of clinical molecular diagnostics

At Thermo Fisher Scientific, we understand that the future of clinical diagnostic testing is molecular. Molecular diagnostics (MDx) tests have become indispensable tools, and the use of molecular-based assays will continue to grow in number and importance for vital diagnostic tests.

As the world of molecular testing rapidly evolves, clinical and hospital labs face many complex challenges. These labs need solutions that are flexible and efficient so they can focus on delivering high-quality results.

Our innovative, complete real-time PCR (qPCR) workflow puts you in command, enabling you to effectively respond to the testing challenges you face, both today and tomorrow. The comprehensive portfolio of our solutions includes:

Instruments: Powered by proven technology, the Applied Biosystems™ QuantStudio™ 7 Pro Dx Real-Time PCR System is an advanced, stand-alone qPCR platform that is versatile and highly expandable, providing a smart, assay-driven workflow that is easy to use from setup to report.

The compact, flexible Applied Biosystems™ QuantStudio™ 5 Dx Real-Time PCR System is designed to streamline workflows and minimize training needs, helping you get clinical answers quickly by fitting seamlessly into your established workflow.

The complete family of Applied Biosystems™ *in vitro* diagnostic (IVD) qPCR instruments allows you to choose from a range of high-quality systems with small footprints, simple workflows and software, and world-class service and support plans.

For *In Vitro* Diagnostic Use.

Master mixes and consumables: Thermo Fisher offers a complete qPCR ecosystem, including a broad portfolio of master mixes and PCR plastics.

Applied Biosystems™ TaqPath™ master mixes* are general purpose reagents that are designed to meet the needs of clinical diagnostic testing and are available for qPCR and one-step reverse transcription qPCR (RT-qPCR) in singleplex and multiplex format. Each reagent is manufactured in an ISO 13485–registered facility and rigorously tested to help ensure lot-to-lot reproducibility for C_q consistency and wide dynamic range.

Applied Biosystems™ MicroAmp™ PCR plastics are engineered to reduce cross-contamination and promote optimal heat transfer. MicroAmp™ GPLE (general purpose laboratory equipment) reaction plates* are ideal for use in diagnostic procedures and certified in an ISO 13485–registered facility to be free of DNA, RNases, and PCR inhibitors.

* For Laboratory Use.

Software solution: Designed to improve your lab's efficiency, Applied Biosystems™ Diomni™ Enterprise Software is an enterprise workflow solution that reduces time-to-results with interpretation, automated quality control, and configurable reporting.

Diomni software also provides a scalable solution by connecting to multiple instruments and supporting multiple concurrent users with centralized data management. In addition to integrating with Applied Biosystems™ QuantStudio™ real-time PCR systems, Diomni software reduces manual steps through integration with your laboratory information system (LIS) or laboratory information management system (LIMS) and the Thermo Scientific™ KingFisher™ Apex Dx sample prep instrument.*

Diomni software is an open and flexible solution to support a variety of testing needs with traceability to help you meet compliance standards.

Services and support: We enable peace of mind with our diagnostic solutions that are all backed by a proven, global leader in molecular testing; a single-source supplier with a robust supply chain; and dedicated service and support.

Discover how we can put you in control of molecular diagnostics—now and in the future.

For *In Vitro* Diagnostic Use.

Which instrument fits your needs?

Applied Biosystems IVD real-time PCR systems

	QuantStudio 7 Pro Dx system	QuantStudio 5 Dx system
Formats	96-well, 0.2 mL 384-well	96-well, 0.2 mL
User-interchangeable blocks	Yes	No
Colors	Up to 6 colors (21 filter combinations)	Up to 6 colors (21 filter combinations)
Touchscreen	21.5 cm	21.5 cm
Applied Biosystems™ VeriFlex™ Blocks temperature control	Yes, 6 zones*	Yes, 6 zones
Security, auditing, electronic signature (SAE) software module	Yes	Yes
Dimensions (H x W x D)	55 x 34 x 53 cm	40 x 27 x 50 cm
Weight	38 kg	26 kg
Regulatory status	CE-IVD, IVDR; US-IVD	CE-IVD, IVDR; US-IVD
Block format	Customer interchangeable 96-well, 0.2 mL and 384-well	Fixed 96-well, 0.2 mL
Software	Diomni software solution RUO, IUO, and IVD modes	Diomni software solution RUO, IUO, and IVD modes
Integration	APIs for hardware integration Diomni software for LIMS compatibility	Diomni software for LIMS compatibility
Footprint	Benchtop (55 x 34 x 53 cm); stand-alone	Benchtop (40 x 27 x 50 cm); computer required
Performance	Up to 6 colors, 21 filter combinations 6-zone VeriFlex Block temperature control*	Up to 6 colors, 21 filter combinations 6-zone VeriFlex Block temperature control
Standardization and security	Security, auditing, electronic signature	Security, auditing, electronic signature

* 96-well block only.

For *In Vitro* Diagnostic Use.

Improve your lab's efficiency with workflow solution software

Diomni software (CE-IVD, IVDR)

Diomni software is an IVDR-compliant, innovative workflow solution that makes routine modular testing more efficient in every aspect, from providing simple run setup, automated QC, and configurable reporting to connecting with multiple instruments and securing user access. It is designed to help you achieve maximum efficiency, smarter productivity, and higher accuracy from your workflow without additional capital expenditure.

Simplified routine

- Prevalidated protocols help reduce time and error in run setup
- Automated QC and result interpretation is based on validated definition files and saves time and effort for data review
- Callout of problematic data and use of QC tools make data review quicker and easier

Scalability enabled by connectivity

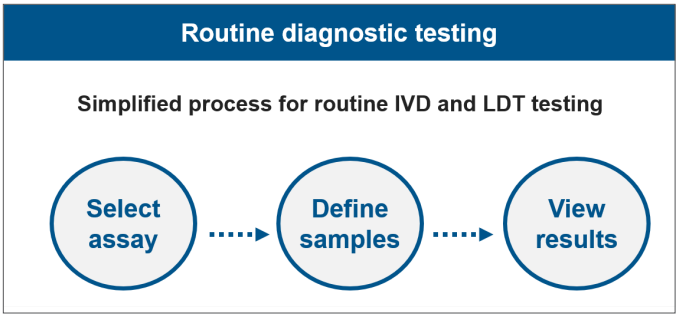
- **Expand test menu with speed**—new tests may be added to the system without requiring an additional software upgrade
- **Concurrent user access**—multiple users with different roles can access and use the software at the same time
- **Access to multiple instruments**—software can be connected to multiple instruments for status tracking and data exchange

Easily integrated into your clinical lab

- **Ready for IVDR**—software is compliant with IVDR requirements
- **Link medical billing codes**—one or more test codes can be linked to a medical billing code for easy mapping, which will then be tagged to the samples tested for reporting
- **Customized data input and output**—make data transfer to the laboratory information system simple and flexible
- **Configurable reporting**—tailor the PDF report to your needs
- **Integrate with LIS/LIMS**—reduce manual steps to transfer data through configurable and automated sharing of results; additional traceability through American Society for Testing and Materials (ASTM) communication to receive sample and test information available with full integration

Specifications

- Microsoft™ Windows™ 10 or Windows™ 11 operating system
- Supported browsers: Google™ Chrome™, Microsoft™ Edge™, Apple™ Safari™ (OS X), Mozilla™ Firefox™
- Requires minimal computer memory and storage
- Client server model designed for setup on local network
- SAE Admin Console Dx Software v1.2
- Instrument compatibility: Applied Biosystems™ QuantStudio™ 7 Pro Dx, QuantStudio™ 5 Dx, QuantStudio™ 7 Pro, and QuantStudio™ 5 real-time PCR systems



LDT = laboratory developed test.

Learn more at thermofisher.com/diomni

For *In Vitro* Diagnostic Use.

Take command of molecular diagnostics testing

QuantStudio 7 Pro Dx Real-Time PCR System (CE-IVD, IVDR)

The QuantStudio 7 Pro Dx Real-Time PCR System is the qPCR platform for the future, combining modern hardware and software in a compact footprint, enabling customers in molecular diagnostics to achieve maximum efficiency, smarter productivity, and higher accuracy from their workflow. The system enables flexible throughput with interchangeable 96-well and 384-well blocks, and it features an RUO mode for development and an IVD mode for routine diagnostics.

Smart instrument, smart features, and smart productivity enabled by connectivity

- **Ready for IVDR**—instrument is compliant with the *In Vitro* Diagnostic Regulation (IVDR)
- **Results you can trust**—detect differences in target quantity as small as 1.5-fold in singleplex reactions; 10 orders of magnitude of linear dynamic range
- **Simple, powerful software**—users can set up a run, lay out assays, control the instrument, and analyze plates within a single, easy-to-use touchscreen interface; no computer is needed
- **Proven performance**—over 10 years of clinical real-time PCR instrument manufacturing
- **Efficient**—shorter run times compared to those with older QuantStudio Dx systems, minimal maintenance, and compatibility with existing plastic consumables
- **Enhanced security**—SAE functionalities that assist with compliance plus the ability to support multiple clients; maintain centralized SAE settings that can be applied to multiple instruments on the same network, allowing better control for your IT department
- **Instrument monitoring**—use a mobile app to check instrument availability and monitor run progress
- **Voice command**—enables selected hands-free operation by voice control (Alexa™ services)
- **Smart Help and Remote Support**—Smart Help to report issues or request instrument services to reduce downtime; remote access to device for troubleshooting

Automatable

The application programming interface (API) enables integration with a robotic plate mover, a liquid handler, and a third-party system.

The QuantStudio 7 Pro Dx instrument is a stand-alone system

The graphical user interface (GUI) enables an end-to-end IVD workflow, offering the following features:

- Run setup with predefined assays
- Instrument controls
- Run monitoring
- Post-run data analysis, exporting, and reporting
- Maintenance and support
- SAE features to assist with regulation compliance

The instrument is Internet of Things (IoT)—enabled (Thermo Fisher™ Connect Platform)

- Voice-activated controls
- Smart support
- Remote run monitoring

Routine testing at scale

Diomni software supports usages of multiple instruments and users with centralized data management.

Learn more at thermofisher.com/quantstudio7prodx

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Specifications

	QuantStudio 7 Pro Dx system
Sample capacity	96-well and 384-well
Reaction volume	96-well, 0.2 mL block: 10–100 µL; 384-well block: 5–20 µL
Excitation source	Bright white LED
Filter or color combinations	6 decoupled filters, CMOS camera
Excitation/detection range	450–680 nm/500–730 nm
Multiplexing	5-plex with 1 passive reference; 6-plex with no passive reference
Maximum block ramp rate	6.5°C/sec
Average sample ramp rate	3.66°C/sec
Temperature uniformity	±0.5°C
Temperature range	4.0–99.9°C
Heating and cooling method	Peltier
Independent temperature zones	6 VeriFlex Block zones (5°C zone to zone)
Chemistries	Fast and standard
Run time	<30 min (fast mode)
Compatible dyes	FAM, SYBR Green, VIC, ABY, NED, TAMRA, JUN, ROX, Mustang Purple, and Cy5 dyes
SAE features	Included
Automation-compatible	Yes
Footprint (H x W x D)	55 x 34 x 53 cm
Weight	38 kg

Features to help maintain data quality and integrity:

Automated quality control

Run data are systematically analyzed based on predefined settings related to each test, such as validity of internal, positive, and/or negative controls. Assessment for failed samples can be configured based on assay characteristics.

Reagent tracking

The system stores and archives information about the reagents used with each test, including lot number and expiration date, with each run. Archived files can be retrieved when required to track samples that were tested with a given set of reagents.

Sample tracking

The system tracks sample name and type; captures critical sample data, with parameters customizable to fit the laboratory's needs; and enables laboratories to more easily track samples associated with a particular plate, set of reagents, run date and time, and data files.

E-signature and data approval

SAE software records test events, actions taken, dates, user names, user roles, and activity performed for documentation and archiving purposes.

Test results

Report records details for documentation, archiving, and review-at-a-glance needs, including experiment name, barcode, file name, time stamps (creation, run start, run finish, duration, and modifications), instrument name, serial number, experiment type, results summary, plate layout image, standard curves, results table, and QC summary.

Cybersecurity

The system has passed penetration testing that fulfills US Food and Drug Administration (FDA) cybersecurity guidance.

Learn more at thermofisher.com/quantstudio7prodx

For *In Vitro* Diagnostic Use.

An easy-to-use, reliable IVD qPCR system to put you in control

QuantStudio 5 Dx Real-Time PCR System (CE-IVD, IVDR)

Designed to simplify workflows and minimize training needs, the QuantStudio 5 Dx Real-Time PCR System can help you get to your clinical answers quickly by fitting seamlessly into your established workflow. This compact, flexible system can provide confidence in performance and supports both development* and IVD modes.

An instrument with premium performance at an affordable price

- **Ready for IVDR**—updated to meet IVDR requirements
- **Results you can trust**—detect differences in target quantity as small as 1.5-fold in singleplex reactions, and obtain 10 logarithmic units of linear dynamic range
- **Simple, powerful software**—allows users to set up a run, lay out assays, control the instrument, and conduct plate analysis within a single, easy-to-use software interface
- **Proven performance**—over 25 years of real-time PCR instrument manufacturing and over 10 years of clinical instrument manufacturing
- **Designed with the clinic in mind**—interactive diagnostic instrument with short run times and minimal maintenance that uses existing plastic consumables
- **Security**—SAE functionalities and the ability to support multiple clients, plus maintain centralized SAE settings that can be applied to multiple instruments on the same network, allowing better control for your IT department
- **Peace of mind**—IVD test menu allows only authorized tests to be run through IVD mode, helping to reduce the risk of unauthorized use and accidental or intentional misuse
- **Flexibility you need**—diagnose or develop, the choice is yours with software options that guide you through every step of test development* and IVD modes
- **Maximize benchtop space**—compact instrument footprint and plate loading drawer at the front
- **Superior support**—services and support are available globally by highly skilled, customer-focused staff
- **QuantStudio system performance**—the reliability, sensitivity, and accuracy you expect, coupled with an intuitive and simple-to-use interface that allows users of any experience level to easily operate the system

* Test development mode is **For Research Use Only. Not for use in diagnostic procedures.**

Learn more at thermofisher.com/quantstudio5dx

For *In Vitro* Diagnostic Use.

Specifications

	QuantStudio 5 Dx system
Sample capacity	96 wells
Reaction volume	96-well, 0.2 mL block: 10–100 µL
Excitation source	Bright white LED
Filter or color combinations	6 decoupled filters, CMOS camera
Excitation/detection range	450–680 nm/500–730 nm
Multiplexing	5-plex with 1 passive reference; 6-plex with no passive reference
Maximum block ramp rate	6.5°C/sec
Average sample ramp rate	3.66°C/sec
Temperature uniformity	±0.4°C
Temperature range	4.0–99.9°C
Heating and cooling method	Peltier
Independent temperature zones	6 VeriFlex Block zones (5°C zone to zone)
Chemistries	Fast and standard
Run time	<30 min
Compatible dyes	FAM, SYBR Green, VIC, ABY, NED, TAMRA, JUN, ROX, Mustang Purple, and Cy5 dyes
SAE features	Included
Automation-compatible	No
Footprint (H x W x D)	40 x 27 x 50 cm
Weight	26 kg

Features to help maintain quality and security:

Maintenance and calibration reports

Records are updated automatically with maintenance and calibration events and can be printed on demand, documenting that the system has been maintained and calibrated to vendor specifications.

E-signature history

SAE software records test events, actions taken, dates, user names, user roles, and activity performed, for documentation and archiving purposes.

Reagent tracking

The system stores and archives information about reagents used with each test, including lot number and expiration date, with each run. Archived files can be retrieved when required to track samples that were tested with a given set of reagents.

Experimental results

Report output records details for documentation, archiving, and review-at-a-glance needs, including experiment name, barcode, file name, time stamps (creation, run start, run finish, duration, and modifications), instrument name, serial number, experiment type, results summary, plate layout image, standard curves, results table, QC summary, set of reagents, run date and time, and data files.

Sample tracking

The system tracks sample name and type; captures critical sample data, with parameters customizable to fit the laboratory's needs; and enables laboratories to more easily track samples associated with a particular plate, set of reagents, run date and time, and data file.

Learn more at thermofisher.com/quantstudio5dx

Security features fit for molecular diagnostics

Each instrument is equipped with a security, auditing, and electronic signature (SAE) module to assist in complying with regulatory requirements involving a quality management system (QMS), GMPs, cybersecurity, and electronic records and signatures.

Other security features include:

- Secure access to instruments and data
- Role-based permissions for different lab personnel

For *In Vitro* Diagnostic Use.

Keep advancing with new technology. We've got your back.

Get superior service and support to maximize your investment

A standard of support that's a cut above

Thermo Fisher Scientific offers a comprehensive range of services and support to keep your QuantStudio IVD qPCR systems performing at peak level. Your instrument purchase comes with a standard 1-year factory warranty, customer concierge services, SmartStart Orientation, and an advanced digital service ecosystem built right into the instrument. Extended warranty coverage is also available at the time of purchase for total peace of mind.

Get started with our global customer concierge services*

Count on our dedicated customer concierge services for an exceptional and seamless experience implementing your QuantStudio IVD qPCR systems. From order placement through installation and training, our team is here to streamline and simplify the process by:

- Preparing your laboratory space for a successful installation, providing critical documentation and checklists
- Connecting your IT department with our IT specialists to help ensure an easy and secure network connection, so you can take advantage of cutting-edge features and advanced digital support
- Coordinating instrument installation with a highly skilled field service engineer (FSE)
- Scheduling interactive SmartStart Orientation training with an experienced field application scientist (FAS)

SmartStart Orientation enables your success

Both QuantStudio 5 Dx and QuantStudio 7 Pro Dx systems come with SmartStart Orientation to help your team quickly become proficient using the new software features and instrumentation. Led by an experienced FAS, this interactive course is a 1-day instrument- and software-based training that covers the principles of quantitative real-time PCR and how to use the QuantStudio 7 Pro Dx instrument, Diomni software, and SAE features. The course will cover the following topics:

- Proper experimental technique
- Basic workflow
- Software features and data analysis features
- Discussion of instrument maintenance
- Certificate of Training Completion for up to three users

* Concierge services are only available in certain geographies.

Learn more at thermofisher.com/support

For *In Vitro* Diagnostic Use.

Comprehensive warranty and service plans to protect your investment

Choose from a range of extended-coverage service plans to meet your budget and needs. In addition to the standard 1-year warranty, these plans offer:

- Preventive maintenance
- Access to advanced troubleshooting features, including Smart Help and Remote Support
- Prioritized response time

Build your personalized service quote at thermofisher.com/serviceselector

Enjoy premium coverage with our premier service plan: the AB Platinum plan

The Applied Biosystems™ AB Platinum™ plan is our top-tier total solution designed not only to optimize instrument performance and uptime, but also to provide a seamless experience and prompt resolutions.

Key features of the AB Platinum plan include:

- 98% uptime guarantee*
- Comprehensive repair coverage
- Rapid-response on-site support**
- Priority Technical Support†
- Qualification services
- Digital remote support
- Additional FAS training (2-hour virtual consultation)

Find out more about the AB Platinum service plan at thermofisher.com/abplatinum

Digital services and support ecosystem and on-demand support at your fingertips

The QuantStudio 7 Pro Dx Real-Time PCR System is equipped with a state-of-the-art ecosystem of digital services and support so you can access our network of more than 2,000 trained professionals at the touch of a button. With **Smart Help**, you can easily share log and run files to speed up service troubleshooting and, if needed, request a service visit. **Remote Support** features enable our technical team to see your instrument in real time and interact with you on the instrument screen to resolve issues virtually.

Find out how our digital support helps resolve up to 70% of cases in minutes, not days, enabling you to focus on your next scientific breakthrough at thermofisher.com/digitalserviceecosystem

98% uptime guarantee
with the AB Platinum service plan*

70% remote resolution
using **Smart Help** and **Remote Support** features

* Terms and conditions apply. For complete details, go to the **AB Platinum terms and conditions**.

** Rapid-response on-site support within the next business day is subject to regional availability.

† Priority Technical Support is available in the English language only.

Learn more at thermofisher.com/support

For *In Vitro* Diagnostic Use.

High-performance plastics for optimal qPCR results

MicroAmp plastics

Applied Biosystems™ MicroAmp™ PCR and qPCR plastics have been designed and tested to work with our instruments for optimal fit and performance.

MicroAmp qPCR plastics are designed to:

- Perform on all Applied Biosystems IVD qPCR instruments
- Have optimal heat transfer, with thin-walled polypropylene wells
- Reduce cross-contamination, with raised well rims for effective sealing

Applied Biosystems™ MicroAmp™ EnduraPlate™ optical microplates, GPLE	
Formats	96-well 96-well Fast 384-well
DNA-, RNase-, and PCR inhibitor–free	Yes
ANSI/SBS standard dimension color	Clear
Instrument compatibility	Use our plastics selection tool
Barcode	Yes (3 sides)
Multiple applications	Yes
Optical compatibility	Yes

Quickly find the plastics and accessories you need for your instrument

Product	QuantStudio 7 Pro Dx system	QuantStudio 5 Dx system	Cat. No.
96-well, 0.2 mL reaction plates			
MicroAmp Optical 96-Well GPLE Reaction Plate (10 plates)	•	•	4481191
MicroAmp Optical 96-Well GPLE Reaction Plate with Barcode (10 plates)	•	•	4481192
MicroAmp EnduraPlate Optical 96-Well GPLE Clear Reaction Plates with Barcode (20 plates)	•	•	4483348
MicroAmp EnduraPlate Optical 96-Well GPLE Clear Reaction Plates with Barcode (500 plates)	•	•	4483351
384-well, 0.1 mL reaction plates			
MicroAmp Optical 384-Well GPLE Reaction Plate with Barcode (50 plates)	•		4481195
MicroAmp EnduraPlate Optical 384-Well GPLE Clear Reaction Plates with Barcode (20 plates)	•		4483319
Seals and covers			
MicroAmp Optical Adhesive Covers GPLE (25 films)	•	•	A49767
Accessories			
Splash-Free 96-Well Base	•	•	4312063
96-Well Support Base	•	•	4379590

TaqPath master mixes for real-time PCR

Delivering confidence and performance

Applied Biosystems™ TaqPath™ master mixes are designed to deliver confidence and performance for even your most demanding applications. With over 10 years of experience in clinical real-time PCR, we are committed to providing trusted, versatile, and innovative tools.

All TaqPath qPCR master mixes are:

- Designed using fluorogenic 5´ nuclease chemistry
- General purpose reagents (GPRs) registered with the US FDA
- Manufactured in ISO 13485–certified facilities under CGMP
- Supported by a comprehensive compliance document package
- Labeled “For Laboratory Use”
- Quality controlled to enable lot-to-lot consistency
- Ready for IVD assay development and regulatory body submission

TaqPath DuraPlex 1-Step RT-qPCR Master Mix

Applied Biosystems™ TaqPath™ DuraPlex™ 1-Step RT-qPCR Master Mix is a benchtop-stable reagent optimized for rapid, sensitive, and reproducible detection of viral and bacterial pathogens even in the presence of PCR inhibitors. The automation-ready master mix comes in a 4X concentrated formulation that is capable of multiplexing up to six targets in a single well. Formulations are available with and without Applied Biosystems™ ROX™ passive reference dye. Figure 1 below shows the lot-to-lot consistency of TaqPath DuraPlex master mix in higher-order multiplex reactions both with ROX and without ROX passive reference dye.

TaqPath BactoPure Microbial Detection Master Mix

Applied Biosystems™ TaqPath™ BactoPure™ Microbial Detection Master Mix is for clinical customers who need a rapid method for low-level DNA pathogen detection on a variety of targets using complex samples. We offer the TaqPath BactoPure master mix, which—unlike mixes from other suppliers—offers the lowest limit of detection across common microbial targets of interest (e.g., bacteria, as demonstrated by a 16S rRNA assay). TaqPath BactoPure master mix is available with or without ROX dye to be compatible with higher-order multiplexed assays.

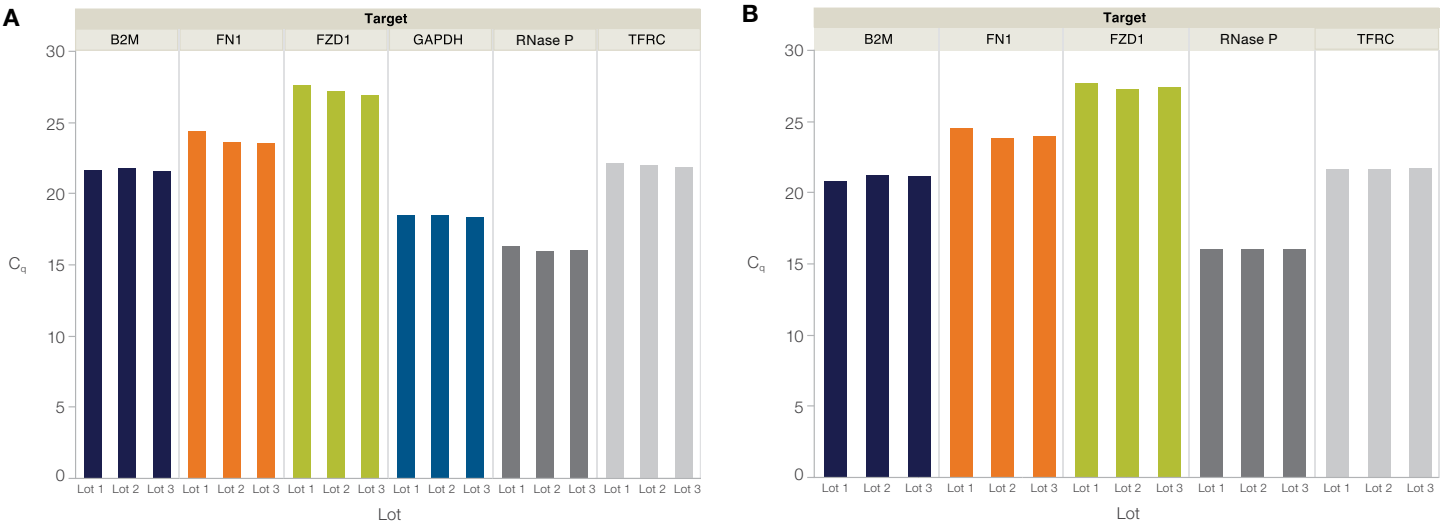

Figure 1. Three unique lots of TaqPath DuraPlex 1-Step RT-qPCR Master Mix were tested for consistency in performance. (A) C_q values for all six gene targets are similar in a multiplex reaction tested with the version of the product with no passive reference dye. **(B)** C_q values for all five gene targets are similar in a multiplex reaction tested with the ROX version of the product.

Learn more at thermofisher.com/qpcrmm

For Laboratory Use.

TaqPath ProAmp Master Mix

Applied Biosystems™ TaqPath™ ProAmp™ Master Mix is for high-throughput genotyping and copy number variation protocols requiring uncompromising reliability and accuracy, even in the presence of inhibitors commonly found in clinical samples. It is designed to deliver sensitive and confident results from genomic DNA targets on a broad range of qPCR instrument platforms. TaqPath ProAmp Master Mix is manufactured under a strong ISO 13485 quality management system and is designed to produce consistent product performance lot after lot.

TaqPath qPCR Master Mix

Applied Biosystems™ TaqPath™ qPCR Master Mix, CG is a 2X formulation designed for gene expression and miRNA analysis, containing a thermostable fast DNA polymerase and dNTPs in an optimized buffer solution for maximum robustness and reproducibility.

	TaqPath DuraPlex 1-Step RT-qPCR Master Mix	TaqPath BactoPure Microbial Detection Master Mix	TaqPath ProAmp Master Mix	TaqPath qPCR Master Mix, CG
	Check price or order now	Check price or order now	Check price or order now	Check price or order now
Recommended applications	Pathogen detection Gene expression	Microbial detection	SNP genotyping Copy number variation	Gene expression MicroRNA analysis
Target	RNA	DNA	gDNA	cDNA
Multiplexing and passive reference dye	With ROX dye (up to 5 targets) No ROX dye (up to 6 targets)	With ROX dye (up to 3 targets) No ROX dye (>3 targets)	With ROX dye (up to 3 targets) With Mustang Purple™ dye (>3 targets)	With ROX dye (up to 3 targets)
Assay recommendation	Applied Biosystems™ TaqPath™ qPCR assays			
	Request a sample	Request a sample	Request a sample	Request a sample

For Laboratory Use.

ThermoFisher SCIENTIFIC

Real-time PCR resources for enhanced training and support

PCR-based applications are essential to many laboratory workflows and techniques, so we offer qPCR training courses.

See detailed course information and enroll* at
thermofisher.com/educationconnect

* Thermo Fisher account required.

Learn more at
thermofisher.com/qpcr-molecular-diagnostics

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