

..... Inspiring Innovation ○○○○○○

# Nucleic Acid and Biotechnology

Workflow Solutions

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part of Thermo Fisher Scientific

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# Power Your Research

Find the products you need to support nucleic acid and viral research, as well as vaccine development. The Fisher Scientific channel offers an innovative product portfolio to empower and accelerate every step of your workflow.

**applied**  
biosystems

 **fisher**  
bioreagents

**thermo**  
scientific

**invitrogen**

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#### Trademarks of Thermo Fisher Scientific

Acclaro, AmpliTaq, Applied Biosystems, CloneWell, EnduraPlate, E-Gel, Fisher Bioreagents, Invitrogen, MicroAmp, NanoDrop, OptiFlex, PowerTrack, ProFlex, QuantStudio, Qubit, SimpliAmp, SizeSelect, SuperScript, SYBR, TaqMan, Thermo Scientific, VeriFlex, VILO



# Enhance Sample Quality Assessments

Prevent costly delays with Thermo Scientific NanoDrop One/One<sup>c</sup> Microvolume UV-Vis Spectrophotometers. Innovative Thermo Scientific Acclaro Sample Intelligence technology improves measurement accuracy and contaminant identification.

## Thermo Scientific NanoDrop One and One<sup>c</sup> Microvolume UV-Vis Spectrophotometers

- Quantify and qualify DNA, RNA, and protein samples using volumes of just 1 to 2  $\mu$ L
- Acquire full-spectral data in seconds
- Save time during large runs with Auto-Blank and Auto-Measure modes
- Identify contaminants and obtain correct concentrations for downstream success
- Easy operation with user-friendly PC or touchscreen control



Description	Cat. No.
NanoDrop One UV-Vis Spectrophotometer	13-400-518
NanoDrop One <sup>c</sup> UV-Vis Spectrophotometer	13-400-519
NanoDrop One <sup>c</sup> Spectrophotometer with Wi-Fi and Invitrogen Qubit 4 Fluorometer	13-400-526

## Get 14% Off

### a Thermo Scientific NanoDrop One<sup>c</sup> Spectrophotometer

- Get accurate DNA, RNA, and protein quantitation data in seconds
- Identify sample contaminants and differentiate between DNA and RNA
- Avoid rework in downstream qPCR, NGS, and other experiments

Visit [fishersci.com/nanodrop](http://fishersci.com/nanodrop) to learn more.

*Restrictions apply.*



# Real-Time PCR Systems and Assays

Real-time PCR (qPCR) offers sensitivity, specificity, and wide dynamic range for detecting target nucleic acids. It is a powerful technology for basic research, translational medicine, applied biology, and many other applications.

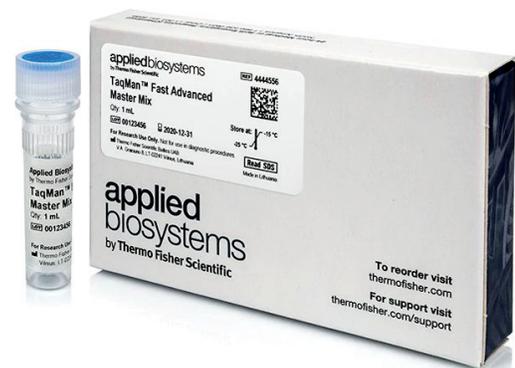
## Applied Biosystems Master Mixes

Choose real-time PCR master mixes optimized for your specific needs. Applied Biosystems products deliver speed and flexibility with straightforward protocols and integrated workflows.

- **Applied Biosystems TaqMan Master Mixes**  
Include buffer, dNTPs, passive reference dye, thermostable hot-start DNA polymerase, and other components.
- **Applied Biosystems SYBR Green Master Mixes**  
Include buffer, dNTPs, thermostable hot-start DNA polymerase, and SYBR green dye — just add your sample and primer pair.

## Applied Biosystems TaqMan Fast Advanced Master Mix

- AmpliTaq Fast DNA Polymerase
- uracil-N-glycosylase (UNG)
- dNTPs with dUTP
- ROX dye (Passive Reference)
- Optimized Buffer Components, 2X Concentration



Description	Cat. No.
TaqMan Fast Advanced Master Mix, 1 x 1 mL	44-445-56
TaqMan Fast Advanced Master Mix, 1 x 5 mL	44-445-57
TaqMan Fast Advanced Master Mix, 1 x 50 mL	44-445-58
TaqMan Fast Advanced Master Mix, 2 x 15 mL	44-445-63
TaqMan Fast Advanced Master Mix, 5 x 5 mL	44-445-64
TaqMan Fast Advanced Master Mix, 10 x 5 mL	44-445-65

## Applied Biosystems PowerTrack SYBR Green Master Mix

- Two-color tracking dye system
- Broad primer T<sub>m</sub> and primer concentration compatibility
- Flexibility in qPCR reactions with minimal optimization
- Specific and reproducible Ct values over a broad range
- Compatible with Invitrogen SuperScript IV VILO Master Mix Reverse Transcription
- Formulated with UNG and dUTP to prevent contamination and PCR product carryover



Description	Cat. No.
PowerTrack SYBR Green Master Mix, 1 x 1 mL	A46012
PowerTrack SYBR Green Master Mix, 1 x 5 mL	A46109
PowerTrack SYBR Green Master Mix, 2 x 5 mL	A46110
PowerTrack SYBR Green Master Mix, 5 x 5 mL	A46111
PowerTrack SYBR Green Master Mix, 10 x 5 mL	A46112
PowerTrack SYBR Green Master Mix, 1 x 50 mL	A46113

Visit [fishersci.com/qpcrreagents](https://fishersci.com/qpcrreagents) to learn more.

## Applied Biosystems QuantStudio 3 Real-Time PCR Systems

Connect to your data with the Applied Biosystems QuantStudio 3 Real-Time PCR System. This small, affordable unit offers ease of use and delivers the performance you expect.

- Simplified software with interactive touchscreen
- OptiFlex technology for improved data accuracy and sensitivity
- Secure, cloud-based software options for increased accessibility and storage
- User account management, locked workflow, and pause features
- 96-Well (0.1 or 0.2 mL) formats

Description	Cat. No.
QuantStudio 3 Real-Time PCR System, 0.1 mL x 96 Wells	A28136



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## Applied Biosystems QuantStudio 5 Real-Time PCR System

The Applied Biosystems QuantStudio 5 Real-Time PCR System offers touchscreen usability advancements to let you easily access data and securely share results with collaborators around the world.

- Built-in software features support compliance with 21 CFR Part 11 guidelines
- Simplified software with interactive touchscreen
- OptiFlex technology with six decoupled channels and 21 filter combinations
- Secure cloud-based software for increased accessibility and storage
- User account management, locked workflow, and pause features
- 96-Well (0.1 or 0.2 mL) formats

Description	Cat. No.
QuantStudio 5 Real-Time PCR System, 0.1 mL x 96 Wells	A28138

Visit [fishersci.com/quantstudio](https://fishersci.com/quantstudio) to learn more.



## Applied Biosystems Predesigned TaqMan Assays

Applied Biosystems TaqMan assays contain probes and PCR primer sets that are ready to use right out of the box. They deliver the analytical specificity, sensitivity, and reproducibility you expect from your research and are backed by the TaqMan Assay performance guarantee.

Predesigned TaqMan assays target specific gene sequences. Most are in stock, ready for purchase, and require no additional design, optimization, or lengthy melt-curve analysis. Just add your sample and reagent and run your assay.

- Easy to use — more than 20 million predesigned and optimized assays
- Most cited — more than 40,000 scientific publications
- Higher sensitivity and precision with MGB probe chemistry

Visit [fishersci.com/taqmanassays](https://fishersci.com/taqmanassays) to learn more.



### Save 20% When You Buy Two or More

Get 20% off when you buy two or more products from at least two product categories of select Applied Biosystems and Invitrogen products.

Visit [fishersci.com/qpcr4less](https://fishersci.com/qpcr4less) to learn more.

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# Applied Biosystems and Invitrogen Starter Kits

- Comprehensive solutions, including devices, consumables, and reagents in one convenient pack
- Consistent, user-friendly products designed to deliver superior performance and reliability
- A range of options, including a wide variety of configurations to fit your research needs
- Savings of up to 33% with products purchased together instead of separately



## Applied Biosystems Thermal Cycler Starter Kits

Applied Biosystems Thermal Cycler Starter Kits offer precise and consistent results with options for every challenge, application, and budget. These products are built on a reputation of reliability, accuracy, and ease of use.

Thermal cycler packages offer PCR plastics validated for and paired with the performance of Applied Biosystems thermal cyclers. They are available in multiple configurations.

## Applied Biosystems ProFlex PCR System Starter Kits

The Applied Biosystems ProFlex PCR System combines flexible configuration and control features to fit how you work today and tomorrow. Interchangeable block formats let you maximize throughput or run independent experiments concurrently. The cloud-enabled ProFlex PCR System gives you the freedom to design and share your methods, schedule the use of an instrument, start or stop a run, and check run status from any mobile device or desktop computer with Thermo Scientific Connect Platform Storage.



- Multi-user accessibility lets you run three experiments at once
- Flexible-block configuration accepts five different block formats
- Cloud-enabled for access virtually anytime, anywhere
- Compatible with Applied Biosystems Thermal Cycler Fleet Control Software to manage multiple instruments, users, and methods

These starter kits extend the standard two-year warranty on the ProFlex Thermal Cycler to three years and include plastic products. Choose REX (Rapid Exchange) or ABRC (AB Repair Center) service and Applied Biosystems MicroAmp and EnduraPlate PCR plasticware to suit your methods.

Description	Warranty	Cat. No.
ProFlex PCR System Extended Warranty + Plastics Package, 3 x 32-Well Block	REX	A36396
	ABRC	A36958
ProFlex PCR System Extended Warranty + Plastics Package, 1 x 96-Well Block	REX	A36959
	ABRC	A36960
ProFlex PCR System Extended Warranty + Plastics Package, 2 x 96-Well Block	REX	A36961
	ABRC	A36962
ProFlex PCR System Extended Warranty + Plastics Package, 2 x 384-Well Block	REX	A36963
	ABRC	A36964

### Save Up to 33%

on **Applied Biosystems Thermal Cycler Starter Kits**

Thermal cycler packages offer PCR plastics validated for and paired with the performance of Applied Biosystems thermal cyclers. They are available in multiple configurations.

Visit [fishersci.com/thermalcyclerkits](https://fishersci.com/thermalcyclerkits) to learn more.

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## Applied Biosystems SimpliAmp Thermal Cycler Starter Kits

The SimpliAmp Thermal Cycler is an easy-to-use, compact, and accurate thermal cycler designed to fit every lab's essential PCR workflow. It gives you the freedom to design and share methods, schedule the use of an instrument, start or stop a run, and check run status from any mobile device or desktop computer with the Connect Platform.

- Interface with large, color touchscreen for easy programming and quick status checks
- VeriFlex Block with three independent temperature zones for PCR optimization
- Cloud-enabled for access virtually anytime, anywhere with the Connect Platform
- Fleet control compatibility to manage multiple instruments, users, and methods with Thermal Cycler Fleet Control Software



Description	Cat. No.
SimpliAmp Thermal Cycler Package with Plastics and Three-Year Rapid Exchange (REX) Extended Warranty	A36969
SimpliAmp Thermal Cycler Package with Plastics and AB Repair Center (ABRC) Extended Warranty	A36970
SimpliAmp Thermal Cycler Package with 8-Tube Strip	A41192
SimpliAmp Thermal Cycler Package with EnduraPlates and Adhesive Films	A41193

To view a complete listing of Applied Biosystems Thermal Cycler Starter Kits, visit [fishersci.com/thermalcyclerkits](https://fishersci.com/thermalcyclerkits).

To request a demonstration, contact your Fisher Scientific sales representative.

## Invitrogen

# E-Gel Power Snap Electrophoresis Starter Kits

Get up to 23% off all-in-one Invitrogen E-Gel Power Snap Electrophoresis Starter Kits. The kits include the products you need to perform nucleic acid electrophoresis using E-Gel precast agarose gels in a small, lightweight benchtop system.

### Each starter kit includes:

- E-Gel Power Snap Electrophoresis Device
- 10 E-Gel Precast Agarose Gels (Varies by Kit)
- E-Gel DNA Ladder (Varies by Kit)
- E-Gel Go! Adaptor
- Power Adaptor
- Viewing Glasses, Camera Device, and Knife (Only in Some Kits)



Description	Cat. No.
E-Gel Power Snap Electrophoresis Device (Cat. No. G8100) Plus: <ul style="list-style-type: none"> <li>• E-Gel SizeSelect II Agarose Gels, 2% (Cat. No. G661012)</li> <li>• E-Gel Sizing DNA Ladder (Cat. No. 10-488-100)</li> </ul>	G8162ST
E-Gel Power Snap Electrophoresis Device (Cat. No. G8100) Plus: <ul style="list-style-type: none"> <li>• E-Gel CloneWell II Agarose Gels with SYBR Safe, 0.8% (Cat. No. G661818)</li> <li>• E-Gel 1 Kb Plus Express DNA Ladder with Loading Buffer (1X) (Cat. No. 10-488-091)</li> </ul>	G8168ST
E-Gel Power Snap Electrophoresis Device (Cat. No. G8100) Plus: <ul style="list-style-type: none"> <li>• E-Gel EX Agarose Gels, 1% (Cat. No. G401001)</li> <li>• E-Gel 1 Kb Plus Express DNA Ladder with Loading Buffer (1X) (Cat. No. 10-488-091)</li> <li>• Gel Opening Knife (Cat. No. EI9010)</li> </ul>	G8141ST
E-Gel Power Snap Electrophoresis Device (Cat. No. G8100) Plus: <ul style="list-style-type: none"> <li>• 18 E-Gel Agarose Gels with SYBR Safe, 2% (Cat. No. G521802)</li> <li>• E-Gel 50 bp DNA Ladder with Loading Buffer (1X) (Cat. No. 10-488-099)</li> </ul>	G8152ST
E-Gel Power Snap Electrophoresis Device (Cat. No. G8100) Plus: <ul style="list-style-type: none"> <li>• E-Gel Agarose Gels with SYBR Safe, 1.2% (Cat. No. G521801)</li> <li>• E-Gel 1 Kb Plus DNA Ladder with Loading Buffer (1X) (Cat. No. 10-488-090)</li> </ul>	G8151ST
E-Gel Power Snap Electrophoresis System (Cat. No. G8300) <ul style="list-style-type: none"> <li>• E-Gel Agarose Gels with SYBR Safe, 2% (Cat. No. G521802)</li> <li>• E-Gel 50 bp DNA Ladder with Loading Buffer (1X) (Cat. No. 10-488-099)</li> </ul>	G8352ST
E-Gel Power Snap Electrophoresis System (Cat. No. G8300) Plus: <ul style="list-style-type: none"> <li>• E-Gel Agarose Gels with SYBR Safe, 1.2% (Cat. No. G521801)</li> <li>• E-Gel 1 Kb Plus DNA Ladder with Loading Buffer (1X) (Cat. No. 10-488-090)</li> </ul>	G8351ST
E-Gel Power Snap Electrophoresis System (Cat. No. G8300) Plus: <ul style="list-style-type: none"> <li>• E-Gel EX Agarose Gels, 2% (Cat. No. G401002)</li> <li>• E-Gel 50 bp DNA Ladder with Loading Buffer (1X) (Cat. No. 10-488-099)</li> <li>• Gel Opening Knife (Cat. No. EI9010)</li> </ul>	G8342ST

To view a complete listing of Power Snap electrophoresis starter kits, visit [fishersci.com/powersnapkits](https://fishersci.com/powersnapkits).

To request a demonstration, contact your Fisher Scientific sales representative.

## Invitrogen Qubit Fluorometer Starter Kits

Invitrogen Qubit Fluorometers were developed to work optimally with the Qubit Assays. Together they quickly and specifically quantify DNA, RNA, and protein. They make it easier to determine if you have sufficient nucleic acid or protein for your experiment.

### Starter kit options include:

- Qubit Flex Quantitation Starter Kit
- Qubit Flex NGS Starter Kit
- Qubit 4 Quantitation Starter Kit with Wi-Fi
- Qubit 4 NGS Starter Kit with Wi-Fi
- Qubit 4 RNA IQ Starter Kit with Wi-Fi



To view a complete listing of Invitrogen Qubit Fluorometer Starter Kits, visit [fishersci.com/qubitkits](https://fishersci.com/qubitkits).

To request a demonstration, contact your Fisher Scientific sales representative.

## Save Up to 14% with Invitrogen Qubit Fluorometer Starter Kits

Quickly and accurately measure DNA, RNA, and protein and get built-in savings of up to 14%.

Visit [fishersci.com/qubitkits](https://fishersci.com/qubitkits) to learn more.

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## Antibodies Advanced Search Tool

The Fisher Scientific channel offers more than 300,000 validated antibodies from market-leading brands.

### Find the Right Antibodies from Thousands of Options

Use the Antibodies Advanced Search Tool to explore our full collection of primary and secondary antibodies, isotype controls, proteins, and peptides from trusted brands. Just enter your requirements, click search, and you're done.

<b>Primary Antibodies</b>	<b>Secondary Antibodies</b>	<b>Isotype Controls</b>	<b>Proteins and Peptides</b>
Target, gene symbol, antigen	Application ▾	Target Species ▾	Search

Visit [fishersci.com/antibodies](https://fishersci.com/antibodies) to learn more.

## Fisher Bioreagents

### A Full Range of DNase-, RNase-, and Protease-Free Chemicals for Nucleic Acid Work

Your research requires careful selection of the right buffers, solvents, and reagents. Depend on the reliability of products manufactured under ISO 9001:2015 certified manufacturing and testing processes. Choose convenient sizes for small-volume lab work or large-volume reagent preparation.



Description	Cat. No.
Thermo Scientific Ethanol, 80%, Molecular Biology Grade, 4 L	T08204K7
Fisher Bioreagents Ethanol Solution, 70%, Molecular Biology Grade, 4 L	BP8201-4
Fisher Bioreagents Ethanol Solution, 96%, Molecular Biology Grade, 1 L	BP8202-1
Fisher Bioreagents Ethanol, Absolute (200 Proof), Molecular Biology Grade, 4 L	BP2818-4
Fisher Bioreagents Isopropanol, Molecular Biology Grade, 500 mL	BP2618-500
Fisher Bioreagents Water, DNA Grade, DNase and Protease Free, 1 L	BP2470-1
Fisher Bioreagents Water, Molecular Biology Grade, DEPC-Treated, DNase and RNase Free, for RNA Work, 1 L	BP561-1
Fisher Bioreagents Water, Molecular Biology Grade, 1 L	BP2819-1
Fisher Bioreagents MOPS, Molecular Biology Grade, 500 g	BP308-500
Fisher Bioreagents Phosphate Buffered Saline (PBS), 10X Solution, 4 L	BP399-4
Fisher Bioreagents Tris Base, Molecular Biology Grade, 10 kg	BP152-10
Fisher Bioreagents Tris Hydrochloride, 1 M Solution, pH 7.5, Molecular Biology Grade, 500 mL	BP1757-500

Visit [fishersci.com/fisherbioreagents](https://fishersci.com/fisherbioreagents) to learn more.

## Real-Time PCR Plates and Consumables

### Applied Biosystems MicroAmp Optical 96-Well Reaction Plate with Barcode

Optimized to provide fast, efficient PCR amplification.

Cat. No. 43-067-37



### Applied Biosystems MicroAmp Fast Optical 96-Well Reaction Plate with Barcode

Reduce PCR reaction time from two hours to as little as 25 minutes.

Cat. No. 43-669-32



### Applied Biosystems MicroAmp Optical 96-Well Reaction Plate

Designed to provide precise temperature accuracy and uniformity.

Cat. No. 43-168-13



### Applied Biosystems MicroAmp EnduraPlate Optical 96-Well Clear Reaction Plates

PCR or qPCR performance optimized for Applied Biosystems instruments.

Cat. No. A36924



### Applied Biosystems MicroAmp 8-Tube Strip with Attached Domed Caps

Caps open and close independently to help prevent contamination and evaporation.

Cat. No. A30589



### Applied Biosystems MicroAmp Optical 8-Tube Strip with Attached Optical Caps

Angled caps provide efficient tube strip positioning in racks and thermal cycler blocks.

Cat. No. A30588



### Applied Biosystems MicroAmp Clear Adhesive Film

Creates a secure seal across entire microplate to help prevent evaporation and contamination.

Cat. No. 43-063-11



### Applied Biosystems MicroAmp Optical 384-Well Reaction Plate

Frosted to minimize interfering fluorescence from cycling block wells.

Cat. No. 43-433-70



### Applied Biosystems MicroAmp EnduraPlate Optical 96-Well Fast Clear Reaction Plates

Certified free of DNase, RNase, and PCR inhibitors.

Cat. No. A36930





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