

PCR

appliedbiosystems invitrogen



# Innovations made to empower

New products across the PCR workflow

**ThermoFisher**  
SCIENTIFIC

# Reverse transcriptases

Engineered to deliver superior performance, even with challenging RNA samples

## Invitrogen™ SuperScript™ IV Reverse Transcriptase

- **Fast results**—synthesizes high yields of cDNA (up to 9 kb) in just 10 min
- **Robust**—transcribes even from degraded or inhibitor-containing RNA samples
- **Convenient**—available in a variety of formats for any downstream application

[thermofisher.com/ssiv](http://thermofisher.com/ssiv)



## Invitrogen™ SuperScript™ IV One-Step RT-PCR System

- **Two-phase hot-start activation mechanism**—enables room-temperature setup and high specificity
- **Superior performance**—high sensitivity and target length, with the fastest protocol

[thermofisher.com/ssiv-onestep](http://thermofisher.com/ssiv-onestep)



## Invitrogen™ SuperScript™ IV CellsDirect™ cDNA Synthesis Kit

- **Save time**—synthesizes cDNA directly from mammalian cell lysates without the need to isolate RNA
- **Superior sensitivity**—detects low-abundance targets, even from single cells

[thermofisher.com/cellsdirect](http://thermofisher.com/cellsdirect)

# DNA polymerases

High specificity and yields with Platinum hot-start technology



## Invitrogen™ Platinum™ II Taq DNA Polymerase

- **Universal primer annealing at 60°C**—reduces tedious optimization steps and enables PCR co-cycling
- **Engineered Taq polymerase with leading hot-start technology**—enables fast, robust, and highly specific PCR

[thermofisher.com/platinumitaq](http://thermofisher.com/platinumitaq)



## Invitrogen™ Platinum™ SuperFi™ II DNA Polymerase

- **Exceptional fidelity**—300x more accurate than Taq DNA polymerase
- **Simplified workflow**—buffer formulated for a universal annealing temperature of 60°C

[thermofisher.com/platinumsuperfi](http://thermofisher.com/platinumsuperfi)



## Invitrogen™ Platinum™ Direct PCR Universal Master Mix

- **Universal**—one master mix for different sample types, one annealing temperature for different primer sets
- **Fast**—skips DNA purification; synthesizes DNA at 20 sec/kb

[thermofisher.com/platinumdirect](http://thermofisher.com/platinumdirect)

## Thermal cyclers

Precise, consistent results for every challenge, application, and budget



Service plans available



Cloud-enabled

### Applied Biosystems™ VeritiPro™ Thermal Cycler

#### Ultimate performance

The VeritiPro Thermal Cycler delivers proven reliability with advanced temperature control technology and connectivity. Take advantage of next-level PCR optimization with the precision offered by Applied Biosystems™ VeriFlex™ Block technology. You can connect to the VeritiPro Thermal Cycler remotely to conveniently design and securely upload your methods, monitor runs, and check instrument availability from any mobile device or desktop computer with the cloud-based Thermo Fisher™ Connect Platform.

- **Innovative design**—ramp rate of 6.0°C/sec, quiet fan, and ergonomic soft-close lid
- **VeriFlex Blocks**—precise control over six independent temperature zones for PCR optimization
- **Fleet control-compatible**—manage multiple instruments, users, and methods securely with Thermal Cycler Fleet Control Software

[thermofisher.com/veritipro](http://thermofisher.com/veritipro)

## PCR plastics

Find the right fit, fast

Easily find the PCR and qPCR plastics that are compatible with your instrument using our online selection tool.

[thermofisher.com/findplastics](http://thermofisher.com/findplastics)



## Electrophoresis system

Fast, bufferless, and fully integrated agarose electrophoresis



### Invitrogen™ E-Gel™

#### Power Snap Electrophoresis System

- **Faster analysis**—go from loading samples to capturing images in 15 minutes
- **Simple operation**—intuitive user interface with large touchscreen and integrated operating system
- **Safer handling**—minimize handling of hazardous chemicals with Invitrogen™ E-Gel™ precast gel cassettes

[thermofisher.com/powersnap](http://thermofisher.com/powersnap)



Invitrogen™ E-Gel™ Double Comb gels enable analysis of up to 22 samples.

[thermofisher.com/egelselection](http://thermofisher.com/egelselection)

# Molecular biology resources



## Molecular biology handbook—available in both printable and interactive formats

Find solutions, tips, and resources to help you excel in your molecular biology research.

[thermofisher.com/molbiobook](http://thermofisher.com/molbiobook)



## Molecular biology education at your fingertips

Learn reverse transcription, PCR, electrophoresis, and more—at your own pace and on your own time.

[thermofisher.com/molbioschool](http://thermofisher.com/molbioschool)

### Ordering information

Product	Quantity	Cat. No.
<b>Reverse transcriptases</b>		
SuperScript IV Reverse Transcriptase	2,000 units	18090010
	10,000 units	18090050
SuperScript IV CellsDirect cDNA Synthesis Kit	50 reactions	11750150
	500 reactions	11750350
SuperScript IV CellsDirect Lysis Reagents	50 reactions	11750550
SuperScript IV One-Step RT-PCR System	25 reactions	12594025
	100 reactions	12594100
SuperScript IV One-Step RT-PCR System with ezDNase Enzyme	25 reactions	12595025
	100 reactions	12595100
<b>DNA polymerases</b>		
Platinum II <i>Taq</i> Hot-Start DNA Polymerase	100 reactions	14966001
	500 reactions	14966005
Platinum II Hot-Start PCR Master Mix (2X)	50 reactions	14000012
	200 reactions	14000013
Platinum II Green Hot-Start PCR Master Mix (2X)	50 reactions	14001012
	200 reactions	14001013
Platinum SuperFi II DNA Polymerase	100 reactions	12361010
	500 reactions	12361050
Platinum SuperFi II PCR Master Mix	100 reactions	12368010
	500 reactions	12368050
Platinum SuperFi II Green PCR Master Mix	100 reactions	12369010
	500 reactions	12369050
Platinum Direct PCR Universal Master Mix	100 reactions	A44647100
	500 reactions	A44647500

Product	Quantity	Cat. No.
<b>Thermal cycler, plastics, and extended service* packages</b>		
VeritiPro 96-well Thermal Cycler		A48141
VeritiPro 96-well Thermal Cycler + Plastics Package, 1 x 96-well, 8-Tube Strips		A47396
VeritiPro 96-well Thermal Cycler + Plastics Package, 1 x 96-well, EnduraPlates		A47397
VeritiPro 96-well Thermal Cycler + Plastics Package, 1 x 96-well, TriFlex plates		A47398
VeritiPro 96-well Thermal Cycler + Plastics Package, 1 x 96-well, 8-Tube Strips + ABRC**		A48766
VeritiPro 96-well Thermal Cycler + Plastics Package, 1 x 96-well, 8-Tube Strips + REX†		A48767
VeritiPro 96-well Thermal Cycler + Plastics Package, 1 x 96-well, EnduraPlate plates + ABRC**		A48768
VeritiPro 96-well Thermal Cycler + Plastics Package, 1 x 96-well, EnduraPlate plates + REX†		A48769
VeritiPro 96-well Thermal Cycler + Plastics Package, 1 x 96-well, TriFlex plates + ABRC**		A48770
VeritiPro 96-well Thermal Cycler + Plastics Package, 1 x 96-well, TriFlex plates + REX†		A48771
VeritiPro 384-well Thermal Cycler		A48140
VeritiPro 384-well Thermal Cycler + Plastics Package, 1 x 384-well, EnduraPlate plates		A47399
VeritiPro 384-well Thermal Cycler + ABRC**		A50325
VeritiPro 384-well Thermal Cycler + REX†		A50326
VeritiPro 384-well Thermal Cycler + Plastics Package, 1 x 384-well, EnduraPlate plates + ABRC**		A50327
VeritiPro 384-well Thermal Cycler + Plastics Package, 1 x 384-well, EnduraPlate plates + REX†		A50328
<b>DNA electrophoresis</b>		
E-Gel Power Snap Electrophoresis Device	1 instrument	G8100
E-Gel Power Snap Camera	1 instrument	G8200
E-Gel Power Snap Electrophoresis System	1 device, 1 camera	G8300
E-Gel Power Snap Electrophoresis Device Starter Kit, CloneWell II, 0.8%	1 kit	G8168ST
E-Gel Power Snap Electrophoresis System Starter Kit, DC Safe 2%	1 kit	G8372ST
E-Gel Power Snap Electrophoresis System Starter Kit, EX DC 1%	1 kit	G8331ST

### DNA electrophoresis

E-Gel Power Snap Electrophoresis Device	1 instrument	G8100
E-Gel Power Snap Camera	1 instrument	G8200
E-Gel Power Snap Electrophoresis System	1 device, 1 camera	G8300
E-Gel Power Snap Electrophoresis Device Starter Kit, CloneWell II, 0.8%	1 kit	G8168ST
E-Gel Power Snap Electrophoresis System Starter Kit, DC Safe 2%	1 kit	G8372ST
E-Gel Power Snap Electrophoresis System Starter Kit, EX DC 1%	1 kit	G8331ST

\* Standard 2-year warranty included.

\*\* 1 year AB Repair Center Support extended service coverage, for a total of 3 years of service in most locations.

† 1 year Rapid Exchange extended service coverage, for a total of 3 years of service in most locations.



Download PCR Quest today at [thermofisher.com/pcrquest](http://thermofisher.com/pcrquest)

Find out more at [thermofisher.com/pcrworkflow](http://thermofisher.com/pcrworkflow)

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