

# For when every step needs to be precise



**Our thermal cyclers enable  
precise, consistent results—  
no matter the challenge**

You need consistent performance, and that's exactly what Applied Biosystems® thermal cyclers are designed to offer.



# Choose which instrument fits your needs

## ProFlex™ PCR System

### High-performance thermal cycler with advanced flexibility and control

- **Multuser accessible**—run three experiments at once with three independently controlled blocks
- **Flexible block configuration**—accepts five different block formats for optimization and throughput, including the triple 32-well block with independent control
- **Convenient remote access**—connect to your instrument from anywhere with a free mobile app



ProFlex™ PCR System

## Veriti® Thermal Cycler

### Easy-to-program, robust thermal cycling

- **Six temperature zones for PCR optimization**—features VeriFlex™ Blocks
- **Easy to operate**—easy-to-use graphical interface, fast protocol setup, and convenient protocol transfer with a USB memory stick



Veriti® Thermal Cycler

## SimpliAmp™ Thermal Cycler

### Elegant design, smart choice

- **Compact design**—saves bench space
- **Easy to operate**—large, color LCD touch-screen that simplifies operations
- **Three independent temperature zones for PCR optimization**—features VeriFlex™ Blocks



SimpliAmp™ Thermal Cycler

## 2720 Thermal Cycler

### Economical option for everyday thermal cycling

- **Compact**—engineered with a small footprint to fit almost anywhere
- **Enhanced productivity**—designed with a melting temperature ( $T_m$ ) calculator that determines the primer annealing temperature and a data-saving feature to protect results, even in the event of a power failure
- **Precise temperature control**—with a heated lid to reduce evaporation



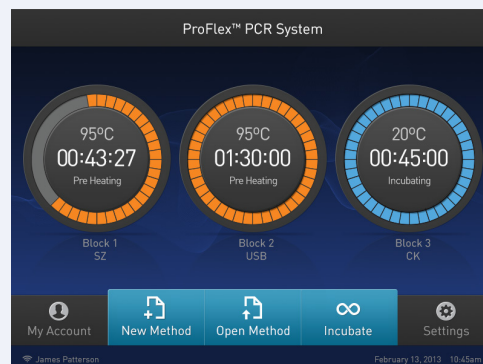
2720 Thermal Cycler

Want to see a thermal cycler now?

Request a demo at [lifetechnologies.com/thermalcyclers](http://lifetechnologies.com/thermalcyclers)

## System innovations

Our ProFlex™, Veriti®, and SimpliAmp™ thermal cyclers have updated color touch-screens for easy programming and monitoring of your run status at the bench. Simulation modes allow easy transition from previous thermal cyclers by simulating the ramp speed of your old instrument.



## VeriFlex™ technology—an innovative way to do PCR

The ProFlex™, Veriti®, and SimpliAmp™ systems feature VeriFlex™ Blocks for enhanced PCR functionality. Separate Peltier blocks provide maximal versatility and flexibility, and offer these key benefits:

### More precise control

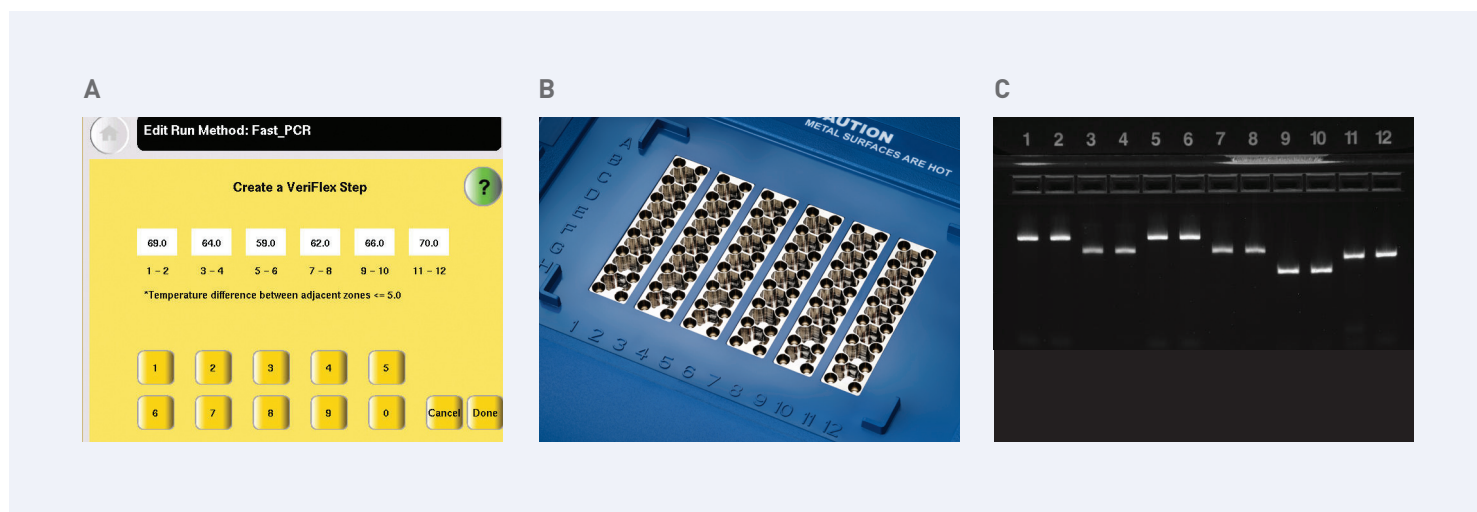
- PCR optimization: each block can be set with up to six specific temperatures, which is ideal for precise control over PCR optimization

### A better-than-gradient approach

- VeriFlex™ Blocks maintain their thermal characteristics between optimizing and isothermal conditions, eliminating the need for further optimization steps

### For more than just PCR optimization

- VeriFlex™ Blocks have an additional benefit over gradient thermal cyclers: since the Peltier blocks are separate, it's possible to run up to six different temperatures in the same protocol step (Figure 1)
- Tired of water baths? Incubate samples at up to six different temperatures simultaneously for enzyme activation studies, restriction digests, or sequencing library preps



**Figure 1. Applied Biosystems® thermal cycler technology. (A)** Veriti® 96-Well Thermal Cycler software shows annealing temperatures set for six different primers. **(B)** VeriFlex™ Blocks: six individual Peltier blocks. **(C)** PCR results showing six primer sets run in a single PCR amplification cycle. The Veriti® 96-Well Thermal Cycler can run six assays at six annealing temperatures during the same PCR run.

## A comprehensive menu of PCR reagents

We offer a comprehensive menu of reagents designed to enable success in all your PCR experiments, including popular and trusted reverse transcriptase (RT) enzymes like SuperScript® III RT; all the plastics you need with MicroAmp® tubes, strips, and plates; and master mixes and enzymes such as AmpliTaq®, AccuPrime™, and Platinum® *Taq* polymerases.

- SuperScript® III First-Strand Synthesis System
- Platinum® *Taq* DNA Polymerase
- MicroAmp® tubes and plates
- MicroAmp® EnduraPlate™ Optical Microplates
- SuperScript® III Reverse Transcriptase

Go to [lifetechnologies.com/pcr](http://lifetechnologies.com/pcr) to find everything you need to be successful in your PCR experiments.

## Warranty and technical support

Most Applied Biosystems® thermal cyclers come with a standard two-year warranty. Additional services include on-site risk assessment and temperature verification services. We also offer easy-to-use repair center services, and a rapid exchange service that allows you to continue your work with minimal loss of time or instrument. Technical support specialists are available by phone and online to assist you with a variety of technical answers to meet your needs.



Go to [fishersci.com/contactus](http://fishersci.com/contactus) for your local contact information.

[lifetechnologies.com/thermalcyclers](http://lifetechnologies.com/thermalcyclers)



**In the United States:**

For customer service, call 1-800-766-7000  
To fax an order, use 1-800-926-1166  
To order online: [www.fishersci.com](http://www.fishersci.com)

**In Canada:**

For customer service, call 1-800-234-7437  
To fax an order, use 1-800-463-2996  
To order online: [www.fishersci.ca](http://www.fishersci.ca)



A Thermo Fisher Scientific Brand