

appliedbiosystems

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.



**ThermoFisher**  
SCIENTIFIC

# Choose which instrument fits your needs

## Applied Biosystems™ ProFlex™ PCR System

High-performance thermal cycler with advanced flexibility and control

- Multiuser 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

## Applied Biosystems™ Veriti™ Thermal Cycler

Easy-to-program, robust thermal cycling, certified for IVD

- 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
- Diagnostic version, Veriti™ Dx Thermal Cycler—also available for use in clinical applications\*



Veriti Thermal Cycler

## Applied Biosystems™ 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

Want to see a thermal cycler now? Request a demo at [thermofisher.com/thermalcyclers](https://thermofisher.com/thermalcyclers)

\*The Veriti Dx Thermal Cycler is only available for *in vitro* diagnostic use in the US, Europe, and other selected countries.

# 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

### More than just for 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) Applied Biosystems™ 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 Invitrogen™ SuperScript™ III RT; all the plastics you need with Applied Biosystems™ MicroAmp™ tubes, strips and plates; and master mixes and enzymes such as Applied Biosystems™ AmpliTaq™, AccuPrime™ and Platinum™ Taq DNA polymerases. Check out our custom oligos with easy ordering and rapid delivery.

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

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

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

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**For Research Use Only. Not for use in diagnostic procedures.**

The Veriti Dx Thermal Cycler is only available for *in vitro* diagnostic use in the US, Europe, and other selected countries.  
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