

Applied Biosystems®

# SimpliAmp™ Thermal Cycler

Precise control over  
PCR optimization

## Key features

- Compact design
- Large, color LCD touch-screen simplifies operations
- VeriFlex™ Blocks provide independent temperature zones, offering better accuracy than gradient thermal cyclers



## Instrument specifications

Block format	96-well, 0.2 mL VeriFlex™ Blocks
PCR volume range	10–100 µL
Reaction speed	<ul style="list-style-type: none"><li>• Enabled to run fast chemistry</li><li>• Controllable ramp rate</li></ul>
Program features	<ul style="list-style-type: none"><li>• Program overwrite protection</li><li>• Auto restart (after power outages)</li><li>• Edit program during experiment</li><li>• One-touch incubation</li></ul>
VeriFlex™ Blocks range	10°C (5°C zone-to-zone, with 3 VeriFlex™ zones)
Temperature accuracy	±0.25°C (35–99.9°C)
Max block ramp rate*	4°C/sec
Max sample ramp rate*	3°C/sec
Temperature range	0–100.0°C
Temperature uniformity	<0.5°C (30 sec after reaching 95°C)
Temperature calibration	Calibrated to standards traceable to the National Institute of Standards and Technology
Dimensions (H x W x D)	21.0 cm (8.3 in) x 24.0 cm (9.5 in) x 46.0 cm (18.1 in)
Weight	8.3 kg (18.3 lb)
Instrument memory	USB and on-board memory
Display interface	8-inch color TFT LCD
Power	100–240 V, 50–60 Hz, max. 600 W
Data connectivity†	Ethernet or Wi-Fi
Cat. No.	A24811

\* Reaction volume at 1 µL.

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