

# 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.

†The PCR Essentials Mobile App, available at Apple® and Google™ app stores, can be used to monitor your instrument.

Find out more at [lifetechnologies.com/simpliamp](http://lifetechnologies.com/simpliamp)

