

ProFlex PCR System

The Applied Biosystems™ ProFlex™ PCR System is the only thermal cycler that allows simultaneous remote access by three users to control three independent blocks.

- **Accessible by multiple users**—run three experiments with three independently controlled blocks
- **Flexible block configuration**—accepts five types of thermal blocks for thermal optimization and throughput options
- **Convenient remote access**—connect via the cloud or a mobile device and monitor your instrument from anywhere with a free mobile app



Block format	3 x 32-well, 0.2 mL; independent control	96-well, 0.2 mL	2 x 96-well, 0.2 mL	2 x flat block for chips and arrays	2 x 384-well, 0.02 mL
Features	Run three experiments at once or at different times	Perform complete optimization work with full 96-well Applied Biosystems™ VeriFlex™ Block	High throughput in 96-well format	Highest throughput capability: 8 x 3,072 Applied Biosystems™ OpenArray™ Plate* or 24 x 20K Chip**	High throughput in 384-well format
Max. block ramp rate	6.0°C/sec	6.0°C/sec	3.0°C/sec	1.6°C/sec	3.0°C/sec
Max. sample ramp rate	4.4°C/sec	4.4°C/sec	1.6°C/sec	NA	1.6°C/sec
Temperature accuracy	±0.25°C (35–99.9°C)				
Temperature range	0–100.0°C				
Temperature uniformity†	<0.5°C (30 sec after reaching 95°C)				
Dimensions (H x W x D)	27.2 x 33.0 x 56.5 cm (10.6 x 13 x 22 in.)				
Weight	18.8 kg (41 lb)	18.8 kg (41 lb)	19.3 kg (42.5 lb)	19.6 kg (43.2 lb)	20.4 kg (45 lb)
PCR volume range	10–80 µL	10–80 µL	10–100 µL	33 nL	5–20 µL
Instrument memory	USB, onboard				
Display interface	8.4 in. color thin-film transistor (TFT) LCD				
Power	100–240 V, 50–60 Hz, max. 950 VA				
VeriFlex Blocks	2 temperature zones per block (5°C zone-to-zone)	6 temperature zones, 25°C range (5°C zone-to-zone)	NA	NA	NA
Cat. No.: Complete system (base and block)	4484073	4484075	4484076	4484078	4484077
Cat. No.: Block (includes block only)	4483638	4483637	4484071	4484074	4484072

* OpenArray Plate is compatible with the Applied Biosystems™ QuantStudio™ 12K Flex Real-Time PCR System.

** 20K Chip is compatible with the Applied Biosystems™ QuantStudio™ 3D Digital PCR System.

† For 2 x 96-well and 2 x flat block format, temperature uniformity is for each block. Overall temperature uniformity across two blocks is <0.75°C (30 sec after reaching 95°C).

Find out more at thermofisher.com/proflex