SPECIFICATION SHEET ProFlex PCR System

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.



Find out more at thermofisher.com/proflex

^{** 20}K 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).