

ProFlex™ PCR System Technical Specifications

Four separate blocks are available for the ProFlex™ PCR System, including choices for Better-Than-Gradient VeriFlex™ Blocks cycling and flat blocks for OpenArray® plates.



Block format	3 x 32-well, 0.2 mL independent control	96-well, 0.2 mL VeriFlex™ Blocks	2 x 96-well, 0.2 mL	2 x flat block for OpenArray® plates
Features	Run three experiments at once	Perform complete optimization work with full 96-well VeriFlex™ Blocks	High-throughput in 96-well format	Highest throughput capability: 8 x 3072 OpenArray® Plate* Or 16 x 20,000 20k Chip**
Max block ramp rate	6.00°C/sec	6.00°C/sec	2.0°C/sec	2.0°C/sec
Max sample ramp rate	4.40°C/sec	4.40°C/sec	1.7°C/sec	N/A
Temperature accuracy	±0.25°C (35–99.9°C)			
Temperature range	0–100.0°C			
Temperature uniformity	<0.5°C (20 sec after reaching 95°C)			
Dimensions	Height: 27.2 cm (10.6 in) Width: 33.0 cm (13 in) Depth: 56.5 cm (22 in)			
Weight	18.75 kg (41 lb)			
PCR volume range	10–80 µL	10–80 µL	10–100 µL	33 nL
Instrument memory	USB, on-board			
Display interface	8.4 in. color TFT LCD			
Power	100–240 V, 50–60 Hz, Max: 950 VA			
VeriFlex™ Blocks	5°C, 2 VeriFlex™ zones	25°C (5°C zone-to-zone), 6 VeriFlex™ zones	N/A	N/A
Cat. No.: Complete system (base and block)	4484073	4484075	4484076	4484078
Cat. No.: Block (includes block only)	4483638	4483637	4484071	4484074

*OpenArray® Chip is compatible with the QuantStudio™ 12K Flex qPCR system

**20k Chip is compatible with the QuantStudio™ 3D Digital PCR system

Find out more at lifetechnologies.com/proflexpcr