

Ultimate flexibility and throughput

ProFlex PCR System

The Applied Biosystems™ ProFlex™ PCR System combines flexible configuration and control features to fit how you work today and tomorrow with the reliability you've come to expect from Applied Biosystems™ products. Interchangeable block formats allow you to maximize your throughput or run independent experiments concurrently.

The ProFlex PCR System is cloud-enabled, giving you the freedom to design and securely upload your methods, monitor runs, and check instrument availability from any mobile device or desktop computer with Thermo Fisher Connect.

- **Multi-user accessible**—run three experiments at once
- **Flexible block configuration**—accepts five different block formats for optimization and throughput
- **Cloud-enabled**—conveniently access your instrument anytime and from anywhere with Thermo Fisher Connect



Five interchangeable block options

The ProFlex PCR System has five different blocks that can be changed with the flip of a switch, including a 3 x 32-well block. This allows up to three experiments to be run simultaneously, completely independently of each other.

Dual 96-well and dual 384-well blocks are available for high-throughput needs. A dual flat block is also available to support Applied Biosystems™ OpenArray™ plate technology for genotyping analysis on the Applied Biosystems™ QuantStudio™ 12K Flex Real-Time PCR System as well as our sealed chip technology on the QuantStudio™ 3D Digital PCR System.



3 x 32-well

96-well

Dual 96-well

Dual 384-well

Dual flat

Specifications

Block format	3 x 32-well, 0.2 mL 2-zone VeriFlex Block independent control	96-well, 0.2 mL 6-zone VeriFlex Block	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 VeriFlex Block	High throughput in 96-well format	Highest throughput capability: 8 x 3,072 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	N/A	1.6°C/sec
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 (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)			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-inch color TFT LCD				
Power	100–240 V, 50–60 Hz, max: 950 VA				
VeriFlex Block	2 temperature zones per block (5°C zone-to-zone)	6 temperature zones 25°C range (5°C zone-to-zone)	N/A		
Data connectivity†	Cloud or mobile via Ethernet or WiFi				

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

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

† The Instrument Connect app, available at Apple™ and Google™ app stores, can be used to monitor your instrument.

Thermo Fisher Connect can be used to create and share protocols, schedule an instrument, and start and monitor runs remotely.

Ordering information

Product	Complete system Cat. No.	Block only Cat. No.	Instrument + 5-year warranty with Rapid Exchange Cat. No.
ProFlex 96-well PCR System	4484075	4483637	A27934
ProFlex 3 x 32-well PCR System	4484073	4483638	A28986
ProFlex 2 x 96-well PCR System Kit	4484076	4484071	A27937
ProFlex 2 x flat PCR System	4484078	4484074	A27931
ProFlex 2 x 384-well PCR System	4484077	4484072	A30229

Recommended plastics

3 x 32-well block	Cat. No.	96-well block	Cat. No.	384-well block	Cat. No.
MicroAmp TriFlex 3 x 32-Well PCR Reaction Plate	A32811	MicroAmp EnduraPlate Optical 96-Well Clear Reaction Plates with Barcode	4483354	MicroAmp Optical 384-Well Reaction Plate	4343370
MicroAmp 8-Tube Strip with Attached Domed Caps, 0.2 mL	A30589	MicroAmp TriFlex 3 x 32-Well PCR Reaction Plate	A32811	MicroAmp Optical 384-Well Reaction Plate with Barcode	4309849
MicroAmp Reaction Tube with Cap, 0.2 mL	N8010540	MicroAmp 32-Well Clear Adhesive Film	A32812	MicroAmp EnduraPlate Optical 384-Well Clear Reaction Plates with Barcode	4483285
MicroAmp 32-Well Clear Adhesive Film	A32812	MicroAmp 8-Tube Strip with Attached Domed Caps, 0.2 mL	A30589	MicroAmp Clear Adhesive Film	4306311
		MicroAmp Clear Adhesive Film	4306311		



Did you know?

The Veriti, ProFlex, SimpliAmp, and MiniAmp Plus Thermal Cyclers feature Applied Biosystems™ VeriFlex™ temperature control technology, which enables more precise and efficient PCR optimization.

Find out more at thermofisher.com/veriflextechnology

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