

ProFlex™ 2 x 96-well PCR System



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Applied Biosystems™

Description

The ProFlex™ 2x96-Well PCR System is the latest in our line of Applied Biosystems® thermal cyclers. The ProFlex™ system combines the reliability and performance you've come to expect from Applied Biosystems® instruments with the flexible configuration and control features that adapt to your research needs.

The ProFlex™ 2x96-Well PCR System allows you to:

- Interchange the 2x96-well, 0.2 mL block with another block type if your throughput needs change
- Access the system remotely (and conveniently) through a mobile app
- Program the instrument in seconds with a simple-to-use touchscreen interface
- Simulate your old instrument with Thermal Simulation modes

Interchangeable Blocks

If your research requirements change in the future, or if you share the system with someone who requires a different format, simply remove the 2x96-well block from the top of the instrument and exchange it with another block type. This step typically takes less than 15 seconds, and requires no tools or kits.

Mobile App Connectivity

Have you ever set up all of your PCR reactions, only to find out that the thermal cycler is already in use? Check its availability with a mobile app before you get to the lab. Also download experimental report files, receive alerts, and more! [Download our PCR Essentials app](#) updated with this functionality.

Simulation Modes

The ProFlex™ PCR system is equipped with Simulation Modes that mimic your old thermal cycler's ramp rate. Simulation modes are available for MJ Research PTC 200, Bio-Rad® C1000, Bio-Rad® MyCycler™, Eppendorf® Mastercycler®, Applied Biosystems® 9700, Applied Biosystems® 9600, and Applied Biosystems® Veriti® systems.

8.4" Touch Screen Control

The simple and intuitive touchscreen interface allows you to program with ease, and limits the amount of time spent training yourself and others how to use the system.

Spécifications

Format:	96-well plate, 0.2 ml tubes, 12-strip wells
Weight:	18.75 kg (41 lb)
Capacity:	2 x 96-well x 0.2 ml tubes
Dimensions:	33 cm (13 in) (W) x 27 cm (11 in) (H) x 57 cm (22 in) (D)
Block Format:	Interchangeable
Product Size:	1 instrument
Reaction Speed:	Standard, Fast
Program Features:	Program overwrite protection, Auto re-start (after power outages)
Sample Ramp Rate:	Standard mode: $\pm 1.6^{\circ}\text{C}/\text{sec}$
Display Interface:	Touchscreen (8.4 in. TFT LCD)
Instrument Memory:	USB and On-board
Power Requirements:	100-240V, 50-60 Hz Max: 950 VA

Peak Block Ramp Rate:	3.0°C/sec
Temperature Accuracy:	±0.25°C (35°C to 99.9°C)
Reaction Volume Range:	10-100 µl
Temperature Uniformity:	<0.5 °C (20 sec after reaching 95 °C)
For Use With (Equipment):	ProFlex™ PCR System
Temperature Range (Metric):	0 to 100.0 °C
High Throughput Compatibility:	High Throughput-Compatible