

Routine PCR, elevated



Introducing MiniAmp Plus and MiniAmp Thermal Cyclers

The proven reliability of Applied Biosystems thermal cyclers for routine PCR at every lab bench

Applied Biosystems™ thermal cyclers have a reputation for reliability, accuracy, and user-friendly interfaces. Our MiniAmp™ Thermal Cyclers offer all this but with only the features you need for routine PCR. With their small size and entry-level price, MiniAmp Thermal Cyclers are perfect for every lab bench.

Compact to fit on every benchtop

Applied Biosystems™ technology reconfigured into a minimal footprint, just 7.5 in. (19 cm) wide, helps save valuable lab space.

Cloud-enabled for secure remote access

Conveniently access your instrument anytime, anywhere with Thermo Fisher Connect. You can design a protocol, start a run, and more from any mobile device or desktop computer.

VeriFlex Block or isothermal block option

The MiniAmp™ Plus Thermal Cycler features an Applied Biosystems™ VeriFlex™ Block with 3 independent temperature zones for easy PCR optimization.

If optimization is not part of your routine PCR, the MiniAmp Thermal Cycler has an isothermal block for basic PCR.



Need a larger touch screen, a faster ramp rate, or higher throughput?

**Award-winning service and support**

- Help reduce downtime with rapid exchange support
- Have our engineers perform temperature qualification at your site

Instrument specifications	MiniAmp Plus Thermal Cycler	MiniAmp Thermal Cycler
Block format	96-well, 0.2 mL 3-zone VeriFlex Block	96-well, 0.2 mL isothermal block
Maximum block ramp rate*	3.5°C/sec	3.0°C/sec
Maximum sample ramp rate*	2.7°C/sec	2.2°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)	
Temperature calibration	Calibrated to standards traceable to the National Institute of Standards and Technology	
Dimensions (H x W x D)	20 x 19 x 39 cm (7.9 x 7.5 x 15.4 in.)	
Weight	5.9 kg (13.0 lb)	
PCR volume range	10–100 µL	
Instrument memory	2,000 MB onboard memory (capacity for >1,000 protocols); USB port for additional external storage	
Display interface	5-inch color TFT LCD	
Power	100–240 V, 50–60 Hz, max. 500 W	
VeriFlex Block	3 temperature zones, 20°C range (10°C zone-to-zone)	Not available
Data connectivity**	Cloud or mobile via Ethernet or Wi-Fi	

* At reaction volume of 1 µL. ** The Instrument Connect app, available on the 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	Quantity	Cat. No.
MiniAmp Plus Thermal Cycler	1 instrument	A37835
MiniAmp Thermal Cycler	1 instrument	A37834
Recommended plastics		
MicroAmp EnduraPlate Optical 96-Well Clear Reaction Plates with Barcode	20 plates	4483354
MicroAmp Clear Adhesive Film	100 films	4306311
MicroAmp TriFlex 3 x 32-Well PCR Reaction Plate (20 plates/pack)	20 plates	A32811
MicroAmp 32-Well Clear Adhesive Film	100 films	A32812
MicroAmp 8-Tube Strip with Attached Domed Caps, 0.2 mL	125 strips	A30589
Recommended reagents		
Platinum II Hot-Start PCR Master Mix (2X)	200 reactions	14000013
Platinum II Green Hot-Start PCR Master Mix (2X)	200 reactions	14001013
Platinum SuperFi PCR Master Mix	100 reactions	12358010
Platinum SuperFi Green PCR Master Mix	100 reactions	12359010

Did you know?

VeriFlex Blocks have separate temperature zones, each with a heating/cooling element, enabling precise temperature control in each zone for PCR optimization and incubation.