

Amplification: MyCycler Thermal Cycler



A Lab's Best Friend

MyCycler™ Thermal Cycler

Exceptional Performance

- Large graphical display
- USB communication
- Self-adjusting heated lid
- Intuitive programming
- Upgradable to gradient capability

Personal Thermal Cycling

- Programmable user preferences
- Selectable power-save mode
- Sleek, compact design

For more information, visit us on the Web at
www.bio-rad.com/products/mycycler.

Complete PCR Solutions

- iTaq™ DNA polymerase
- iProof™ high-fidelity DNA polymerase
- iScript™ cDNA synthesis kit
- PCR tubes and plates
- Unsurpassed customer service



BIO-RAD

Features

- Large 12 cm (4.7") high-resolution display
- Programming using intuitive symbols and numerical entry procedures
- Graphical representation of protocols
- Menu-driven software and ready-made templates for ease of viewing, editing, and running protocols
- Innovative thermal gradient design (optional upgrade)
- Reaction module and self-adjusting lid accommodate 96 x 0.2 ml samples in tubes, strips, or plates
- Power-saving programmable automatic standby mode
- USB communication for printing of protocols and reports
- Storage of detailed run and validation reports
- Attractive, compact design

System Specifications

Operational

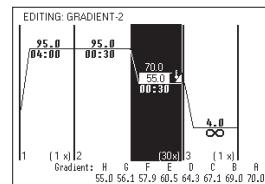
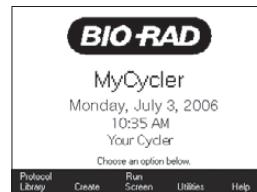
Heating rate	Up to 2.5°C/sec
Cooling rate	Up to 1.5°C/sec
Method of heating/cooling	Peltier
Modes of temperature monitoring	Block and algorithm
Temperature Range	4–100°C
Accuracy	±0.5°C
Uniformity	±0.5°C
Overshoot maximum	0.8°C
Heated lid	Up to 110°C
Gradient Gradient accuracy	±0.5°C of programmed target at 90°C
Row uniformity	±0.5°C well-to-well within 30 sec of reaching target temperature
Gradient range	30–99°C
Temperature differential range	1–25°C

Descriptive

Sample capacity	96 x 0.2 ml tubes or 96-well PCR plate
Display	12 cm (4.7") high-resolution
Operating temperature	18–28°C ambient
Ports	1 USB
Electrical approvals	IEC, CE
Dimensions (W x D x H)	24 x 44 x 21 cm (9 x 17.5 x 8")
Weight	10 kg (22 lb)

Programming

Memory	99 typical programs
Cycles per protocol	Up to 9
Segments per cycle	Up to 9
Repeats per cycle	Up to 99
Segment time range	00:01–99:59 min
Pause	Yes
Battery-backed RAM	Yes
Onboard software	Menu-driven, real-time graphical display of thermal protocol, intuitive PCR language programming, automatic validation reporting, customizable auditory signals for pause and end of run
Key programming features	Onboard protocol templates for cycle sequencing, touchdown, RT-PCR, nested PCR, and long PCR, auto-standby option



Graphical interface simplifies protocol editing.

Ordering Information

Catalog #	Description
170-9711	MyCycler Thermal Cycler System With Gradient Option , personal thermal cycler system includes 96-well MyCycler with factory-installed gradient option
170-9701	MyCycler Thermal Cycler System , personal thermal cycler system includes 96-well MyCycler; does not include gradient feature (sold separately)
170-9705	MyCycler Firmware Upgrade Kit , includes USB cable, current operating firmware
170-9707	MyCycler Gradient Upgrade Kit , includes USB cable, current operating firmware, USB dongle activation key
170-8870	iTaq DNA Polymerase , 5 U/μl, includes 250 U polymerase, 1.25 ml 10x PCR buffer, 1.25 ml 50 mM MgCl ₂ solution
170-8891	iScript cDNA Synthesis Kit , 100 x 20 μl reactions, includes 5x iScript reaction mix, iScript reverse transcriptase, nuclease-free water
172-5301	iProof High-Fidelity DNA Polymerase , 2 U/μl, 100 U, includes 5x reaction buffers, MgCl ₂ solution, DMSO
172-5310	iProof HF Master Mix , 100 x 50 μl reactions, includes 2x master mix (0.04 U/μl), DMSO (for highest fidelity with most templates)
TWI-0201	PCR Tubes With Domed Caps (0.2 ml) , natural, 1,000
TBC-0802	8-Tube Strips and Domed Cap Strips (0.2 ml) , natural, 20 bags of 12 x 8-tube strips and 12 x 8-cap strips (1,920 PCR tubes and 1,920 caps)
MSB-1001	Microseal® 'B' Adhesive Seals , 100
TCS-0801	Domed 8-Cap Strips , for 0.2 ml PCR tubes and plates, natural, 120
MLP-9601	Multiplate™ 96-Well Unskirted PCR Plates , natural, 25 plates

Purchase of this instrument conveys a limited non-transferable immunity from suit for the purchaser's own internal research and development and for use in human in vitro diagnostics and all other applied fields under one or more of U.S. Patent Numbers 5,656,493; 5,333,675; 5,475,610 (Claims 1, 44, 158, 160–163, and 167 only); and 6,703,236 (Claims 1–7 only), or corresponding claims in their non-U.S. counterparts, owned by Applera Corporation. No right is conveyed expressly, by implication or by estoppel under any other patent claim, such as claims to apparatus, reagents, kits, or methods such as 5' nuclease methods. Further information on purchasing licenses may be obtained by contacting the Director of Licensing, Applied Biosystems, 850 Lincoln Centre Drive, Foster City, California 94404, USA.

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