



A Lab's Best Friend

Bio-Rad's MyCycler thermal cycler provides great performance and loads of personal features.

Exceptional Performance

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

Personal Thermal Cycling

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

Complete PCR Solutions

- Hot-start Taq DNA polymerase
- High-fidelity iProof™ DNA polymerase
- iScript™ cDNA synthesis kit
- PCR tubes and plates
- Unsurpassed customer service



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

BIO-RAD

Features

- Large (12 cm) 4.7" high-resolution screen
- 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; see bulletin 2592)
- Reaction module and self-adjusting lid accommodate 96 x 0.2 ml samples in tubes, strips, and plates
- Power-saving programmable auto standby mode
- USB communication for printing of protocols and reports
- Storage of detailed run and validation reports
- Attractive, compact design

Specifications

Operational

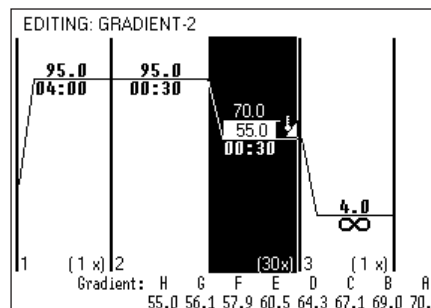
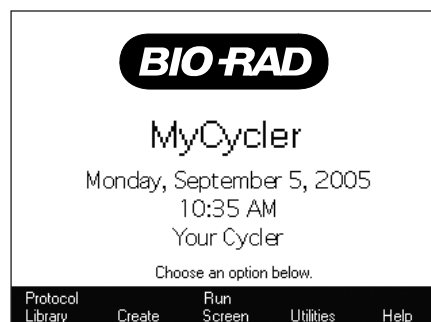
Heating rate	Up to 2.5°C/sec
Cooling rate	Up to 1.5°C/sec
Method of heating/cooling	Peltier
Modes of temperature monitoring	Block and algorithm
Temperature	
Range	4–100°C
Accuracy	±0.5°C
Uniformity	±0.5°C
Overshoot maximum	0.8°C
Heated lid	Up to 110°C
Temperature gradient	
Range	40–99°C
Programmable range	1–25°C
Accuracy	±0.5°C
Uniformity	±0.5°C

Descriptive

Sample capacity/sample size	1 x 96-well (0.2 ml) reaction module
Display	12 cm (4.7") high-resolution
Licensed for PCR	Yes
Operating temperature	18–28°C ambient
Communications	USB
Electrical approvals	IEC, CE
Dimensions (W x D x H)	23.6 x 44.3 x 20.5 cm (9.3 x 17.5 x 8.1")
Weight	10 kg (22 lb)

Programming

Maximum number of programs	99 onboard
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



Ordering Information

Catalog #	Description
170-9703	MyCycler Thermal Cycler System, includes MyCycler thermal cycler, PCR tubes, iTaq™ DNA polymerase, power cord, quick reference guide, instructions
170-9705	MyCycler Thermal Cycler Firmware Upgrade Kit, includes USB cable, current operating firmware, installation instructions
170-9707	MyCycler Thermal Cycler Gradient Upgrade Kit, includes USB cable, USB hub, current operating firmware, USB dongle activation key, installation instructions
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
170-8872	MgCl ₂ Solution, 50 mM, 1.25 ml
170-8874	dNTP Mix, 200 μl premixed solution, contains 10 mM each dNTP
170-8891	iScript cDNA Synthesis Kit, 100 x 20 μl reactions
172-5301	iProof High-Fidelity DNA polymerase, 100 U
172-5310	iProof HF Master Mix, 100 reactions
TWI-0201	0.2 ml PCR Tubes With Domed Caps, natural color, 1,000
TBC-0802	0.2 ml PCR 8-Tube Strips and Domed Cap Strips, natural, 240 of each
TBC-1202	0.2 ml PCR 12-Tube Strips and Domed Cap Strips, natural, 160 of each
MSA-5001	Microseal® 'A' Film, 50 seals
MSB-1001	Microseal 'B' Seals, clear adhesive, 100
223-9442	96-Well PCR Plate Sealing Mats, 5
CHO-1401	Chill-out™ Liquid Wax, red, 100 ml
TCS-0801	Domed 8-Cap Strips, for 0.2 ml tubes and plates, natural, 130
Description	Natural Pink Yellow Blue Green
Multiplate™ 96-Well Unskirted PCR Plates	
25 plates	MLP-9601 MLP-9611 MLP-9621 MLP-9631 MLP-9641

Practice of the patented polymerase chain reaction (PCR) process requires a license. The MyCycler thermal cycler is an Authorized Thermal Cycler and may be used with PCR licenses available from Applied Biosystems. Its use with Authorized Reagents also provides a limited PCR license in accordance with the label rights accompanying such reagents. Some applications may also require licenses from other third parties.



**Bio-Rad
Laboratories, Inc.**

Life Science
Group

Web site www.bio-rad.com USA (800) 4BIORAD Australia 02 9914 2800 Austria (01)-877 89 01 Belgium 09-385 55 11 Brazil 55 21 2527 3454
Canada (905) 712-2771 China (86 21) 6426 0808 Czech Republic + 420 2 41 43 05 32 Denmark 44 52 10 00 Finland 09 804 22 00
France 01 47 95 69 65 Germany 089 318 84-0 Greece 30 210 777 4396 Hong Kong (852) 2789 3300 Hungary 36 1 455 8800
India (91-124)-2398112/3/4, 5018111, 6450092/93 Israel 03 951 4127 Italy 39 02 216091 Japan 03-5811-6270 Korea 82-2-3473-4460
Latin America 305-894-5950 Mexico 55-52-00-05-20 The Netherlands 0318-540666 New Zealand 64 9 415 2280 Norway 23 38 41 30
Poland + 48 22 331 99 99 Portugal 351-21-472-7700 Russia 7 095 721 1404 Singapore 65-64153188 South Africa 00 27 11 4428508
Spain 34 91 590 52 00 Sweden 08 555 12700 Switzerland 061 717 95 55 Taiwan (886 2) 2578 7189/2578 7241 United Kingdom 020 8328 2000