

Amplification



(Cyclerus personalis)

A New Breed

Introducing the new **MyCycler™ thermal cycler**. With great performance and loads of personal features, it's a lab's best friend.

Exceptional Performance

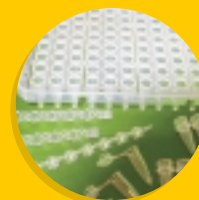
- Large graphical display
- USB communication
- Self-adjusting heating lid
- Intuitive programming

Personal Thermal Cycling

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

Amplification Tools

- Hot-start *Taq* DNA polymerase
- Core PCR reagents
- PCR tubes and plates
- Unsurpassed customer service



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Features

- Large 4.7" (12 cm) 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
- 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

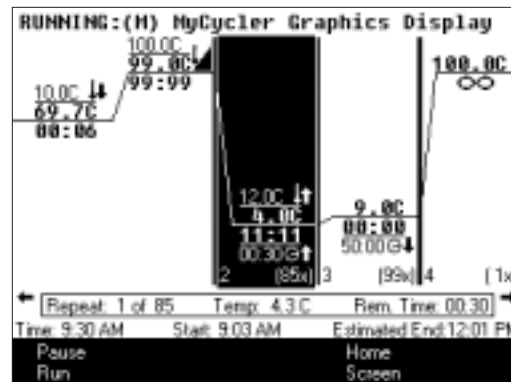
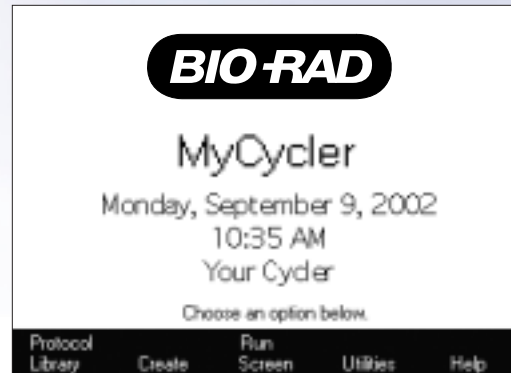
Range	4–100°C
Accuracy	±0.5°C
Uniformity	±0.5°C
Overshoot maximum	0.8°C
Heated lid	Up to 110°C

Descriptive

Footprint	20.5 x 24.8 x 44.3 cm (8.1 x 9.8 x 17.5") (H x W x D)
Weight	10 kg (22 lb)
Sample capacity/sample size	1 x 96-well (0.2 ml) reaction module
Display	4.7" (12 cm) high-resolution
Licensed for PCR	Yes
Operating temperature	18–28°C ambient
Communications	USB
Electrical approvals	IEC, CE

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
170-9701	MyCycler Thermal Cycler, includes power cord, quick reference guide, instructions
170-9703	MyCycler Thermal Cycler System, includes MyCycler thermal cycler, PCR tubes, iTaq™ DNA polymerase, power cord, quick reference guide, instructions
170-8870	iTaq DNA Polymerase, includes 250 U polymerase, 10x PCR buffer, MgCl ₂ solution
170-8872	MgCl ₂ Solution, 50 mM, 1.25 ml
170-8874	dNTP Solution, 10 mM of each dNTP, 200 µl
223-9469	0.2 ml Thin-Wall PCR 8-Tube Strips, natural, 120
223-9472	0.2 ml Thin-Wall PCR 8-Cap Strips, natural, 120
223-9473	0.2 ml Thin-Wall Tubes, natural, 1,000
223-9476	0.2 ml Thin-Wall PCR 12-Tube Strips, natural, 80
223-9477	0.2 ml Thin-Wall PCR 12-Cap Strips, natural, 80
223-9441	96-well 0.2 ml Thin-Wall PCR Plates, 25
223-9443	96-well 0.2 ml PCR Plate Caps, for 223-9441, 300
223-9442	96-well PCR Plate Sealing Mats, for 223-9441, 5
223-9444	Optical Quality Sealing Tape, optimized for use with 223-9441, 100 sheets

Practice of the patented polymerase chain reaction (PCR) process requires a license. The MyCycler thermal cycler is licensed 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 require licenses from other parties.

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Laboratories, Inc.**

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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 21 507 6191 Canada (905) 712-2771 China (86-21) 63052255 Czech Republic (420) 2-4141 0532 Denmark 45 44 52-1000 Finland 358 (0)9 804 2200 France 01 47 95 69 65 Germany 089 318 84-177 Hong Kong 852-2789-3300 India (91-124) 6398112/113/114, 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 52 5 534 2552 to 54 The Netherlands 0318-540666 New Zealand 64-9-4152280 Norway 47-23-38-41-30 Poland (48) 22-8126 672 Portugal 351-21-472-7700 Russia 7 095 721 1404 Singapore 65-2729877 South Africa 00 27 11 4428508 Spain 590 5200 Sweden 46 (0)8-55 51 27 00 Switzerland 061 717-9555 United Kingdom 0800-181134