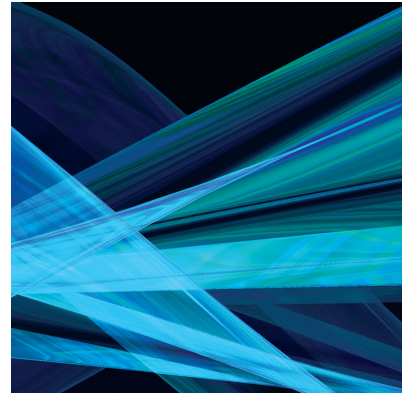


## Amplification: Thermal Cyclers



Modules and Upgrades

## iCycler<sup>®</sup> Thermal Cycler

### Features and Benefits

- High-performance Peltier design
- Direct upgrade to real-time PCR
- Exceptional reliability
- Innovative thermal gradient capability

For more information, visit us on the Web at  
[www.bio-rad.com/amplification/](http://www.bio-rad.com/amplification/)



**BIO-RAD**

## The iCycler Has the Versatility Today's Laboratory Requires



The iQ<sup>5</sup> Multicolor Real-Time PCR Detection System



### 96-Well Reaction Module

- 15–100 µl reaction volumes in standard sample and plate formats
- Innovative thermal gradient design
- Temperature monitoring and control: algorithm, block, or in-sample probe
- Exceptional accuracy and uniformity



### Dual 48-Well Reaction Module

- 15–100 µl reaction volumes
- 2 independently functioning reaction modules
- Temperature monitoring and control: algorithm or block
- On-screen status indicators for each module



### 60-Well Reaction Module

- 50–200 µl reaction volumes
- Increased volumes ideal for preparative PCR
- Temperature monitoring and control: algorithm, block, or in-sample probe
- Ramp rates optimized for large sample volumes



### 384-Well Reaction Module

- 5–20 µl reaction volumes
- Designed for high throughput
- Temperature monitoring and control: algorithm or block
- Ramp rates optimized for small volumes



### iCycler Chassis

- Interchangeable sample blocks
- 1/4 VGA screen
- Intuitive user interface
- Protocols in easy-to-understand PCR terminology
- Upgradable to real-time quantitative PCR (with 96-well reaction module)

## Upgrade to iQ5 System for Quantitative Real-Time PCR

- Quantitative analysis of multiple gene targets in a single tube
- Built-in melt-curve analysis
- Data presented in real time

### Ordering Information

Catalog # Description

#### iCycler Thermal Cycler\*

170-8720	iCycler Thermal Cycler With 96-Well Reaction Module
170-8722	iCycler Thermal Cycler With 2 x 48-Well Reaction Module
170-8724	iCycler Thermal Cycler With 60-Well Reaction Module
170-8726	iCycler Thermal Cycler With 384-Well Reaction Module

\*Includes PCR tubes, power cord, quick-reference card, instructions

#### iCycler Accessory Blocks

170-8703	iCycler Thermal Cycler 96-Well Reaction Module
170-8705	iCycler Thermal Cycler 2 x 48-Well Reaction Module
170-8707	iCycler Thermal Cycler 60-Well Reaction Module
170-8709	iCycler Thermal Cycler 384-Well Reaction Module

#### iQ5 System

170-9780	iQ5 Multicolor Real-Time PCR Detection System
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#### PCR Reagents

170-8870	iTaq™ DNA Polymerase, 5 U/µl, includes 250 U polymerase, 1.25 ml 10x PCR buffer, 1.25 ml 50 mM MgCl <sub>2</sub> solution
172-5301	iProof™ High-Fidelity DNA Polymerase, 2 U/µl, 100 U, includes 5x reaction buffers, MgCl <sub>2</sub> solution
172-5310	iProof HF Master Mix, 100 x 50 µl reactions, includes 2x master mix, DMSO (for highest fidelity with most templates)

#### Vessels and Sealers

TWI-0201	0.2 ml Tubes With Domed Caps, natural, 1000 (2 bags of 500)
TBS-0201	0.2 ml 8-Tube Strips, natural, 125
TCS-0801	Domed 0.2 ml 8-Cap Strips, natural, 130
TBS-1201	0.2 ml 12-Tube Strips, natural, 100
TCS-1201	0.2 ml 12-Cap Strips, natural, 200
MLP-9601	Multiplate™ 96-Well 0.2 ml Unskirted PCR Plates, natural, 25
MSB-3842	Microseal® 384-Well PCR Plates, version 2.0, natural, 50
MSB-1001	Microseal 'B' Seals, 100
TBI-0502	0.5 ml Tubes With Flat Caps, natural, 800 (8 bags of 100)

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 applied fields other than Human In Vitro Diagnostics under one or more of U.S. Patents Nos. 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 Applied Biosystems. 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.

Bio-Rad's iQ5 real-time thermal cyclers are licensed real-time thermal cyclers under Applied Biosystems' United States Patent No. 6,814,934 B1 for use in research and for all other fields except the fields of human diagnostics and veterinary diagnostics.

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