

MyiQ™ Real-Time PCR Detection System

The MyiQ real-time PCR detection system offers an affordable solution for the detection of common fluorescent green dyes such as FAM and SYBR Green I. This system interfaces directly with the iCycler™ thermal cycler, offering superior features such as thermal gradient and Peltier-effect driven performance. The MyiQ real-time PCR detection system is a perfect solution for those just getting started with this technology as well as those looking for additional instruments to handle increasing routine assay demands. This system was developed by the same experts at Bio-Rad who have pioneered performance in real-time PCR. The MyiQ delivers the same excellent-quality data as the iCycler iQ® real-time PCR detection system.



Specifications

Operational

Heating rate	3.3°C/sec
Cooling rate	2.0°C/sec
Method of heating/cooling	Peltier and Joule
Modes of temperature monitoring	Algorithm
Temperature	
Range	4–100°C
Accuracy	±0.3°C
Uniformity	±0.4°C
Overshoot maximum	<0.5°C
Heated lid	Up to 110°C

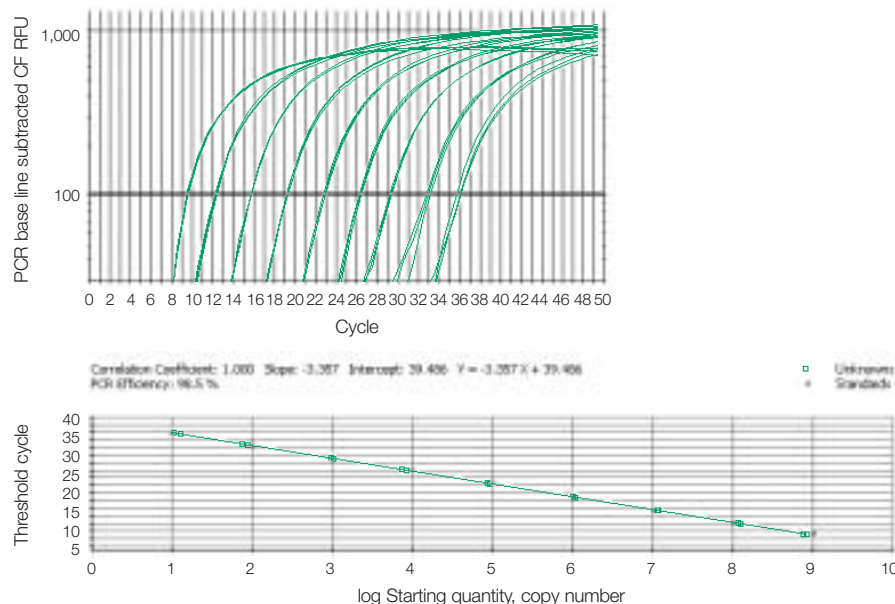
Descriptive

Sample capacity	96 wells
Sample size	15–100 µl
Licensed for PCR	Yes
Communications	Serial and parallel ports
Electrical approvals	IEC, CE
Operating platforms	Windows 2000, Windows NT 4.0, and Windows XP
Dimensions (W x D x H)	31.1 x 54.6 x 34.3 cm (12.25 x 21.5 x 13.5")
Weight	17.6 kg (39 lb)

MyiQ System

Optical lamp	Tungsten-halogen
Range of excitation/ emission wavelengths	400–585 nm
Sensitivity	Can detect one copy of IL-1β in human genomic DNA
Dynamic range	8 orders of magnitude
Excitation/emission filters	FAM/SYBR filters included

MyiQ Single-Color
Real-Time PCR
Detection System



Reliably quantitate over 8 orders of magnitude.

Ordering Information

Catalog #	Description
170-8720	iCycler Thermal Cycler With 96 x 0.2 ml Reaction Module, includes iCycler base with 96 x 0.2 ml reaction module, in-sample temperature probe (0.2 ml tube size), PCR tubes, power cord, quick reference card, instructions
170-9740	MylQ Single-Color Real-Time PCR Detection System, includes optical module, optical power supply, SYBR Green I/FAM filter set, software CD-ROM, 96-well 0.2 ml thin-wall PCR plates, optical-quality sealing tape, communication cable, power cord, 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
170-8875	iTaq DNA Polymerase, 5 U/μl, 5,000 U
170-8860	iQ™ Supermix, 100 x 50 μl reactions, 2x mix
170-8862	iQ Supermix, 500 x 50 μl reactions
170-8864	iQ Supermix, 1,000 x 50 μl reactions
170-8880	iQ™ SYBR® Green Supermix, 100 x 50 μl reactions, 2x mix
170-8882	iQ SYBR Green Supermix, 500 x 50 μl reactions
170-8884	iQ SYBR Green Supermix, 1,000 x 50 μl reactions
170-8885	iQ SYBR Green Supermix, 2,000 x 50 μl reactions, 50 ml bottle
170-8890	iScript™ cDNA Synthesis Kit, 25 x 20 μl reactions, includes 5x iScript reaction mix, iScript enzyme, nuclease-free water
170-8891	iScript cDNA Synthesis Kit, 100 x 20 μl reactions
223-9441	96-Well 0.2 ml Thin-Wall PCR Plates, 25
223-9444	Optical-Quality Sealing Tape, optimized for use with 223-9441, 100 sheets
170-8892	iScript™ One-Step RT-PCR Kit With SYBR® Green, 50 reactions
170-8893	iScript One-Step RT-PCR Kit With SYBR Green, 200 reactions
170-8894	iScript One-Step RT-PCR Kit for Probes, 50 reactions
170-8895	iScript One-Step RT-PCR Kit for Probes, 200 reactions

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Practice of the patented polymerase chain reaction (PCR) process requires a license. The iCycler thermal cycler, the MylQ system, and the iCycler iQ system include an Authorized Thermal Cycler and may be used with PCR licenses available from Applied Biosystems. Their 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

**Bio-Rad
Laboratories, Inc.**

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Group

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