

# BioQuant-96

## Real-Time PCR Detection System

### Description

BioQuant is an innovative Real-Time cycler for molecular diagnostics and offers innovative thermoelectric cooling technology and optimised light sources.

Detection from the top allows using different consumables - 0,2 tubes, 8-tube strips and semi-skirted and non-skirted 96-well PCR plates.

The unique constant current power and 6-zone independent temperature control method ensure more rapid, correct and stable fluorescence quantitative analysis, while maintaining its excellent performance in lowest possible energy consumption.

Device is available in 5-channel and 6-channel configuration. Meanwhile, it has been added with functions including independent temperature control, low temperature storage of sample at 4°C and FAST mode for more faster cycling (confirm reagent compatibility with fast mode).

BioQuant-96 is comprehensively realizing automatic gain setting and improving user experience. It will fully meet the demand of scientific research laboratories and registered as I (A) class Medical device in EU it also will fully meet the requirements of any diagnostic laboratory.



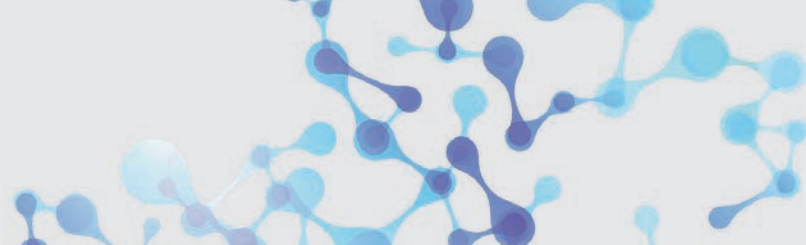
Real-Time PCR-System BioQuant-96



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Home screen BioQuant-96



## BioQuant-96 - Real-Time PCR Detection System

### Technical Data

Sample capacity	0.2ml single tube (transparent cap), 96 × 0.2 (0.1)ml Plate (transparent cap), 8-strip tubes (transparent cap)
Dynamic range	1 ~ 10 <sup>10</sup> copies
Excitation wavelength	300 – 800 nm
Emission wavelength	500 – 800 nm
Channels	5
Temperature setting range	4 ~ 105°C (increment: 0.1°C)
Heating/cooling rate	Max 6.0 °C/s / 5.5 °C/s
Temperature accuracy	-≤ ±0.1°C
Temperature fluctuation	≤ ±0.3°C
Temperature uniformity	≤ ±0.3°C
Temperature control mode	Block / 6-zone gradient
Sample volume	5 ~ 100 µl
Gradient temperature range	1 ~ 36°C
Hot-lid temperature range	30 ~ 110 °C (adjustable default: 105°C, automatic Hot-lid)
Repeatability	5%
Scan mode	Full plate simultaneously
Program	Max. 20 segments for each program, max. 99 cycles
Continuous operation	+
Scan period	5.5 s
Software	BioQuant-96 Software
Operating system	Windows 7/8/10
Software required	Microsoft Excel
Minimum PC requirements	Built-in touchscreen-PC / Memory: 512 MB, Hard disc: 10 GB, CPU: Pentium® 4, Virtual memory: ≥ 1000 MB
Nominal operating voltage	100 – 240V; ~50/60Hz
Power consumption	600 W
Dimensions (W x D x H)	490 × 290 × 391 mm
Number of sockets	USB adapter, Bluetooth adapter
Certification	CE, IVD
Interface	WIN 10 on built-in touchscreen PC
Order No.	112.6080