

# BioQuant-96, real-time PCR detection system

## DESCRIPTION

BioQuant-96 is the newest product of Biosan Molecular diagnostic product family.

It has adopted innovative thermoelectric refrigeration technology, brand-new light source and light path design. 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.



## SPECIFICATIONS

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

## CAT. NUMBER

BS-050110

230VAC 50/60Hz Euro plug

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: 512MB, Hard Disk:10GB, CPU: Pentium® 4, Virtual Memory: ≥1000MB

Nominal operating voltage 100-240V; ~50/60Hz

Power consumption 600W

Dimensions (W×D×H) 490×290×391 mm

Number of sockets USB adapter, Bluetooth adapter

Certification CE-IVD

Interface WIN 10 on built-in touchscreen PC