

# BioQuant-96, real-time PCR detection system

## DESCRIPTION

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

It has adopted mature thermoelectric refrigeration technology, brand-new light source and light path design. The unique constant current power and 6-zone independent temperature control method ensure more rapid, correct and stable fluorescence quantitative analysis of the product, while maintaining its excellent performance in low energy consumption.

The product is modularized with various configurations to choose from. Meanwhile, it has been added with functions including independent temperature control, low temperature storage of sample at 4°C, and automatic dehumidification.

BioQuant-96 is comprehensively realizing automatic gain setting and improving user experience. Thus, it will fully meet the demand of scientific research and clinical diagnosis.

## CAT. NUMBER

BS-050110

BioQuant-96

## 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	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/Tube simulation mode (automatic control based on sample volume )
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	Entire plate or designated line
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	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 / RoHS
Tablet	Built-in Touchscreen