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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 configuration. Meanwhile, it has been added with functions including independent temperature control, low temperature storage of sample at 4**℃** 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.



CAT. NUMBER

BS-050110-AAA	230VAC 50/60Hz Euro plug

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	1~10^10 copies
Excitation wavelength	300-800 nm
Emission wavelength	500-800 nm
Channels	5
Temperature setting range	4 ~99.9°C (increment: 0.1°C)
Heating/cooling rate	Max 6.0 °C/s / 5.5 °C/s
Temperature accuracy	≤±0.1°C
Temperature fluctuation	≤±0.1°C
Temperature uniformity	≤±0.3°C
Temperature control mode	Block/6-zone gradient
Sample volume	1 ~ 100 µl
Gradient temperature range	Stable and accurate gradient functions of 1 ~ 36°C ensure optimized PCR conditions
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 7/8/10/11
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	1000 VA
Dimensions (W×D×H)	490×290×391 mm
Number of sockets	USB adapter, Bluetooth adapter
Interface	WIN 10 on built-in touchscreen PC