

LineGene 9600, Real-time PCR detection system

DESCRIPTION

Line-Gene 9600 is product of Bioer's Real-Time PCR detection system family. Based on Line-Gene 9600's large sample capacity, wide temperature range and multi-channels, Line-Gene 9600 provides brand-new & humanized running and operation interface for better operating experience.

Line-Gene 9600 adopts Ferrotec specially-made Peltier, advanced fibber optic technology, new global wide-range power supply, the unique patented block dissipation technology and bottom detection mode, which provides better heating/cooling rate, temperature accuracy, uniformity and stability. Line-Gene 9600 has up to 96 sample capacity and fast speed of dualcolor scanning, and the design of 4 channel detection also covers the whole fluorescence detection wavelength.

Newly-designed automatic hot-lid without manual operation ensures constant pressure for various tube heights. This auto hot-lid mode could be easily integrated into various automatic systems.

Newly-improved Line-Gene 9600 Real-Time PCR detection system can satisfy various clients' requirement either for research or clinical use.

FLUORESCENCE CHANNELS LIST

- F1: FAM, SYBR Green
- F2: VIC, HEX, TET, JOE, CY3, TAMRA
- F3: ROX, TEXAS RED
- F4: CY5, Quasar-670

SOFTWARE FEATURES

- Absolute Quantification
- Relative Quantification
- SNP Analysis
- Data Automatic Analysis
- Melting Curve Genotyping
- Gradient
- HRM Multi-channel
- Crosstalk Correction
- Background Correction
- Automatic Gain
- Customized Parameters



CAT. NUMBER

BYQ6094E

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	4
Temperature setting range	4 ~99.9°C (increment: 0.1°C)
Heating/cooling rate	4.0 °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
Operating system	Windows 7/8/10/11
Software required	Microsoft Excel
Nominal operating voltage	100-240V; ~50/60Hz
Power consumption	600W
Dimensions (W×D×H)	386×410×352 mm
Number of sockets	USB adapter, Bluetooth adapter
Certification	Ferrotec pelitier / CE / Met / RoHS2 / PICC product quality liability insurance