



ESB-9600P

Real-Time PCR Detection System



LABORATORY

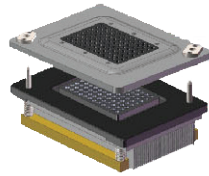


Features

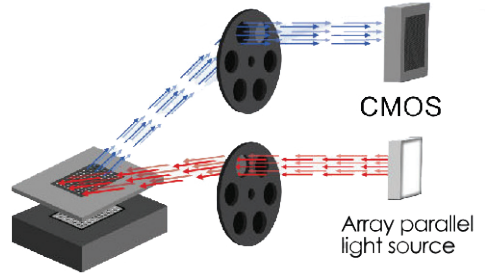
- * Real time monitoring for easy administration and operation
- * Large touch screen, stand alone operation or upload PC edited programs by USB
- * Multiple configuration options and multiple functions added
- * 6-partition independent temperature control
- * Fully automatic sample cavity
- * The windows 10 system
- * Popular 6 channel configuration
- * Top detection, no calibration required



- Optical path:
- Adopt new generation high sensitive CCD
 - All new optical design and vision algorithm



- Hot-lid: improve temperature uniformity
- Cooling and heating block:
 - * Adopt long life peltier
 - * With 6 independent temp. control zones.
 - * Adaptable for multiple PCR tubes, Strips and plates



- All new array parallel light source, improve exciting light effect, intensify fluorescence signal
- Use independent filter wheels for exciting and emission, no need expand channel for second exciting detection test.
- Adopt cluster conduction design of imported high-end optical fibers. to improve fluorescence signal intensity and reduce photo conduction loss
- Adopt top imaging technology, takes 1 second max for 1 channel detection

Technical parameters

Sample Capacity	0.2ml single tube (transparent cap), 96X0.2(0.1)ml Plate (transparent cap), 8-strip tubes (transparent cap)					
Reaction Volume	10-100µl (96 plate)					
Dynamics Range	1-10 ¹⁰ Copies/L					
Excitation Wavelength	300~800nm					
Emission Wavelength	500~800nm					
Block Temp. Range	4-105 °C (Minimum Increment: 0.1°C)					
Temp.Control Mode	BLOCK/TUBE simulation mode					
Temp.Control Tech	Peltier					
Temp. Display Resolution	± 0.15°C					
Temp. Uniformity	≤± 0.2°C					
Maximum Heating/Cooling Rate	5°C/s					
Gradient Control Section	6 Independent temp. control zones					
Hot-lid Temp	Range: 30-110°C					
Fluorescence Dyes	F1 FAM, SYBR Green I	F2 VIC, HEX, TET, JOE, TAMRA, CY3, NED	F3 ROX, Texas-Red	F4 Cy5	F5 Cy5.5	F6 For Customized
Power Supply	100-240V, 50/60Hz, 600VA					
Communication Interface	USB adapter (to PC), bluetooth adapter					
Sensitivity	Distinguish 500 and 1000 concentration					
Dimension	380*400*380					
Net Weight	20KG					
Safeguard And Alarm	Hot-lid over heat protection and alarm, switching power supply over heat protection					
Certifications	CE/RoHS					



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