

16S Real-Time PCR Cycler

Compact Real-Time PCR Machine for Maximum Flexibility



Key features

- Fast and sensitive DNA analysis
 - Wide linear dynamic range
 - Provides relative & absolute quantitation results
- Built-in 7-inch touch screen, for fast and intuitive operation
 - Simple and quick set-up of customized protocols
- Utilizes high-quality Marlow Peltier cooler
 - High temperature uniformity and accurate heating control
- Compact design and low noise level

Specifications

16S Real-Time PCR

Cat. No. 102011

Sample capacity	16 samples/run
Sample volume	25 – 120 μ l
Supported tubes	0.2 ml PCR single tubes, 0.2 ml PCR 8-tube strip
Reaction temperature	4 – 99 °C
Temperature accuracy	\leq 0.2 °C
Temperature uniformity	$\leq \pm 0.25$ °C
Linear dynamic range	10 – 10^{10} copies (linearity $R \geq 0.99$)
Light source	High-Brightness LED
Detection system	Partial Discharge
Excitation wavelength	1 st channel: 470 nm \pm 10 nm (FAM) 2 nd channel: 525 nm \pm 10 nm (HEX) 3 rd channel: 570 nm \pm 10 nm (ROX)
Detection wavelength	1 st channel: 520 nm \pm 10 nm (FAM) 2 nd channel: 570 nm \pm 10 nm (HEX) 3 rd channel: 620 nm \pm 10 nm (ROX)
Operating temperature	15 – 30 °C
Ambient operating humidity	\leq 85 %
Transport & storage temperature	-20 – 55 °C
Transport & storage relative humidity	\leq 85 %
Dimensions (W×D×H)	320 × 250 × 177 mm
Weight	4.5 kg
Power supply	220 V, 50 Hz, max. 240 W
Noise level	\leq 45 dBa