

qPCR ——— Real-Time PCR T1604 (16-wells)

T1604 Real-Time PCR System is a portable fluorescence quantitative PCR instrument with four channels detection and twin 8-well design.

The product comes with a 7-inch-capacitive color touch screen and built-in software which can set-up experiments and analyze experimental data. It also comes with windows PC software that allows you to run and analyze qPCR data from personal computer. The custom-made Peltier elements and highly sensitive photoelectric detectors ensure superior performance and accurate results.

Application

Real-Time PCR System is designed to meet the needs of small and medium sized laboratories, mobile laboratories, and on-site testing.

FEATURES

2x8-well design, and simple and easy to use interface.





SPECIFICATIONS

Model	T1604
Capacity	16 well (2 x 8 well)
Consumable	Clear 0.2ml PCR tube/Transparent 8-tube strips
Reaction Volume	10-100 micro liter
Temperature control technology	Peltier Module
Temperature Range	Room temperature to 99°C
MAX. Ramp Rate	≥12°C/s
Temperature fluctuation	±0.2°C
Uniformity	±0.4°C
Accuracy	±0.2°C
Hot Lid Temperature	105°C
Temperature Control	Block Mode
Excitation	High power, long-life LED
Detection	Photodiode
Fluorescence Channel	2/4
Excitation wavelength	Channel1: 450-490nm; Channel2: 500-535nm; Channel3: 555-585nm; Channel4: 620-650nm
Emission wavelength	Channel1: 515-530nm; Channel2: 560-580nm; Channel3: 610-650nm; Channel4: 675-730nm;
Factory Calibrated Dyes	F1: FAM; F2: VIC/HEX; F3: ROX; F4: CY5
Dynamic Range	1-10 ⁹
Sensitivity	2x change
Analysis Modules	quantitative/qualitative analysis, Melting curve
Data Export Formats	Excel, pdf
Communication Mode	WiFi/USB
Input Option	Touch screen input, Compatible with Barcode reader
Dimension (LxWxH)	373 x 330 x 145 mm
Net Weight	About 7 kg
Input Voltage	110~220V
Power	500W