

Compact Real-time PCR

CLEO™ Q16

- **POCT** | Compact size
- **ECONOMICAL** | Affordable Price
- **EFFICIENT** | Up to 16 sample/run
- **HIGH-FAST** | Ramping rate up to > 7°C/sec
- **EASY-TO-USE** | Standalone software, Touch screen
- **4-CHANNEL** | FAM, HEX, ROX, CY5





Compact real-time PCR

CLEO™ Q16 is a compact real-time PCR device that can be used in various fields including point-of-care diagnosis due to its neat and innovative design.

CLEO™ Q16 maximizes user convenience through innovative design, 8x2 PCR reaction well configuration delivers simultaneous PCR runs up to 16 samples.



Integrated optical design

CLEO™ Q16 uses optical module technology applied that integrates a light source and fluorescence detection and can precisely measure fluorescence optics such as FAM, HEX, ROX, and Cy5 signal changes without inter-channel interference.

- All-in-One module: LED Light source and Sensitive photodetector
- 4 color detection including FAM, HEX, ROX, CY5
- Twin small optical modules moving in a rail Operated by a stepping motor



High speed & precise temperature control

CLEO™ Q16 has an innovative high-speed temperature control system (Rapid Ramping Rate System).

- Max heating ramping rate : up to 7°C (46°F)/sec.
- Max cooling ramping rate : up to 7°C (46°F)/sec.
- Temperature uniformity : $\pm 0.5^{\circ}\text{C}$ (33°F)



Easy & fast PCR with QR code

- Easy and quick set up PCR experiments with QR codes (WizDx™ kit only).
- Entering sample information conveniently with QR codes.



Touch screen & built-in software

- User-friendly graphical user interface
- 7 inch HD LCD with a capacitive touchscreen
- Built-in Ct algorithm analyzing PCR curve data
- IT connection for LIS support



PC control software

Provides PC control software.

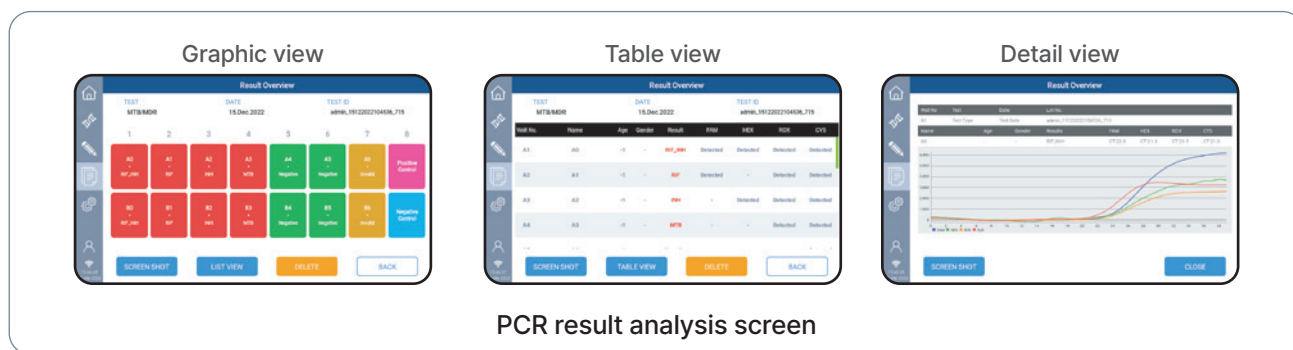
You can set up PCR on your PC and conveniently analyze the results.



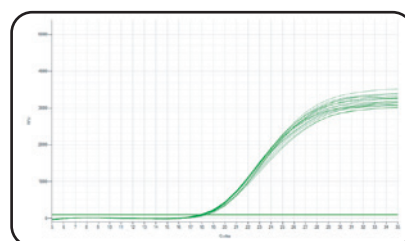
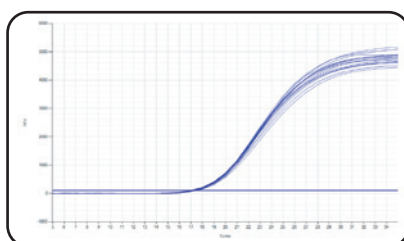
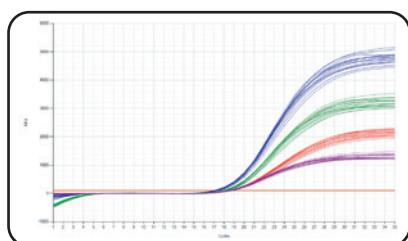
Intuitive interface for user convenience

the software is, concise, and easy-to-use.

CLEO™ Q16 software provides a customizable PCR setting option and an intuitive design for menu selection.
The 7-inch touchscreen makes it easy to set up tests manually



User-friendly all-in-one software provides fast and accurate result analysis.
CLEO™ Q16 software provides fast, reliable results and excellent reproducibility through a built-in analysis algorithm.

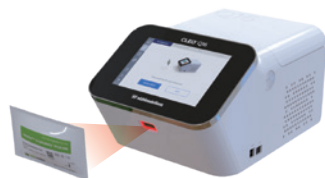


Quick and easy protocol

1 Select new test



2 Enter test information by scanning the QR code



3 Enter sample information



4 Insert PCR test tube



5 PCR run



6 Read test results



○ Product Specifications

Test Capacity	16 Tests (8 tubes X 2)
Detection Channel	4 Channels (FAM, HEX, ROX, Cy5)
Repeatability of Fluorescent Intensity Detection	< 5% CV
Heating / Cooling rate	Heating rate : >7°C/s, Cooling rate : >7°C/s
Light Source	High-brightness LED light source
Operating System	Android OS
Detection	Twin optical modules scanning all holes
Temperature Accuracy	≤ ±0.5°C
Test ID and Sample ID Input	QR code scan
Result Analysis	The results can be analyzed directly on CLEO™ Q16. Built-in threshold analysis algorithm or PC software available as you prefer.
Operating temperature range	10 °C to 30 °C
Display	7-inch full-color HD LCD capacitive touch screen
Input power / Max power	100 - 240 VAC (50/60 Hz) / 300W
Dimensions (LxWxH)	280 × 220 × 180 mm (11.0" x 8.6" x 7.0")
Weight	4.12 kg (145 oz)

○ Ordering Information

Product	Cat No.	Package
CLEO™ Q16	CL0016	1 system

MFDS License No. : IVD-23-4195



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Wizbiosolutions serves our customers with total solutions for molecular diagnostics from reagents to devices, which are manufactured at a GMP-certified factory, through its own research and development.

- **High-Quality Enzyme:** Taq, MMLV, Bst, etc.
- **Research Reagent:** PCR, RT-PCR, Real-time PCR premix
- **Lyophilized PCR kit:** CrystalMix®
- **Rapid Real-time PCR System:** CLEO™ Q16
- **Automated Nucleic Acid Extractor:** CLEO™ AP16
- **Automated Nucleic Acid kit:** WizMag™
- **POCT MDx Device:** CLEO™ ONE

