

Next Generation
Point-of-care
Molecular Test System

CLEO™ Q16

Rapid
Real-time PCR
System



16-WELL



FAST



STANDALONE



COMPACT

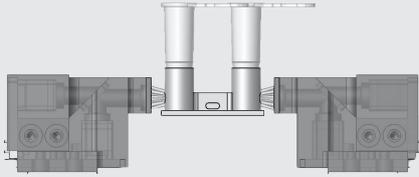


4-CHANNEL

CLEO™ Q16 Rapid Real-time PCR System

Based on innovative Point-of-Care real-time PCR platform technology including rapid ramping rate system, compact and lightweight, Integrated fluorescence module technology. Our CLEO™ Q16 Real-time PCR system provides quick and reliable molecular test results.

Point-of-Care Real-Time PCR Technology

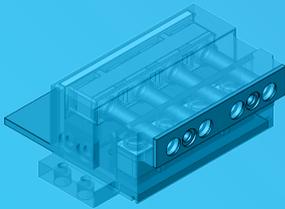
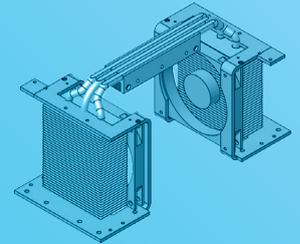


Integrated Fluorescence Module

LED Light source and Sensitive photodetector
All-in-One module

Rapid Ramping Rate System

Maximum heating ramping rate : up to 7°C /sec.
Maximum cooling ramping rate : up to 7°C /sec.
Temperature uniformity : $\pm 0.5^{\circ}\text{C}$

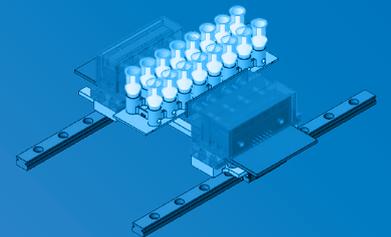


4-color Fluorescence Detection

4 color detection including FAM, HEX, ROX, CY5
Twin Optics module

Compact size & 16 tests/run

Twin small optical modules moving in a rail
Operated by a stepping motor

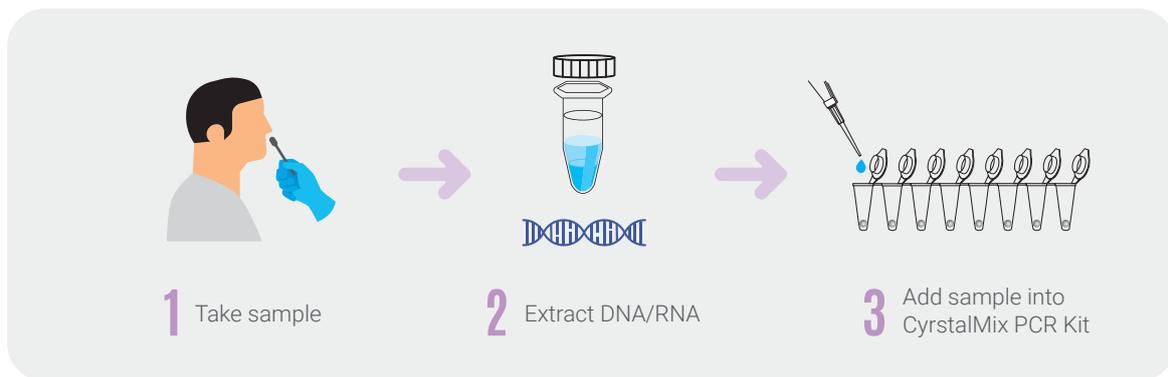


Built-in Analysis Software

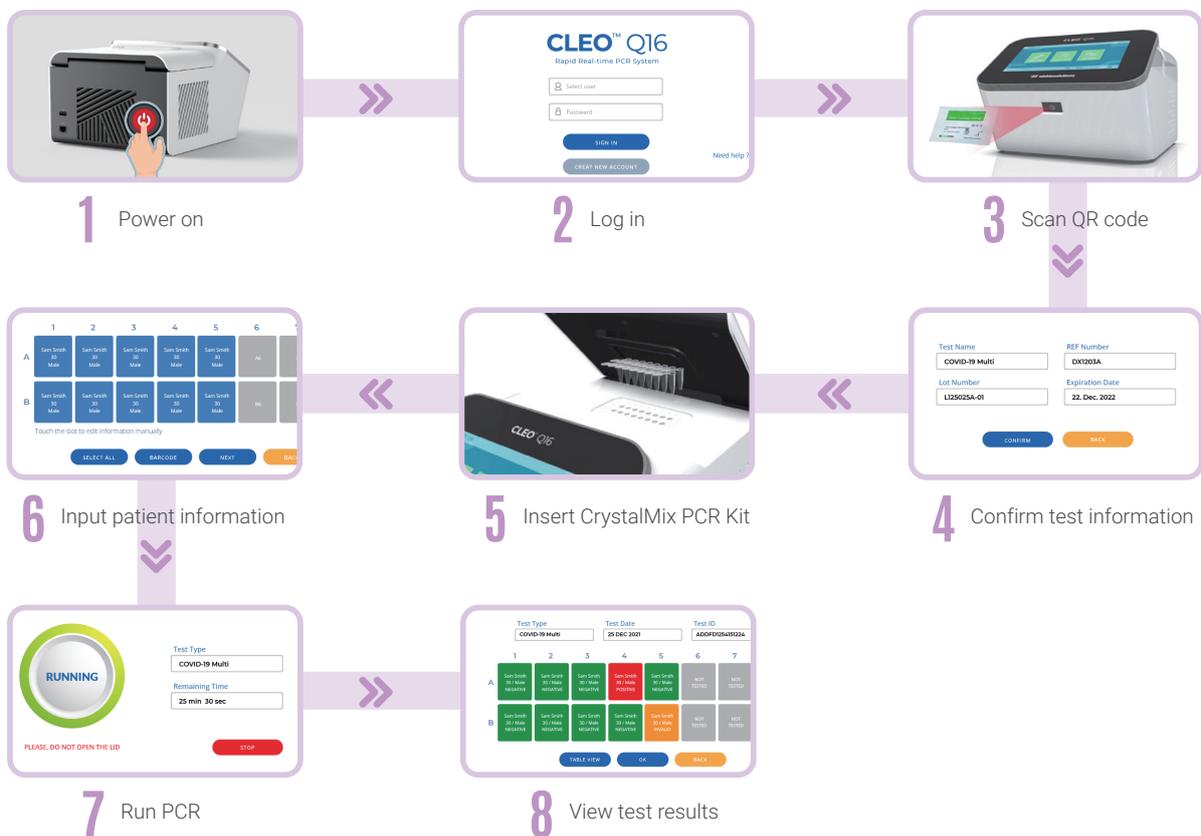
User-friendly graphical user interface
7-inch HD LCD with capacitive touch screen
Built-in Ct algorithm analyzing PCR curve data
IT connection for LIS support

Easy & Quick Protocol

Sample Preparation



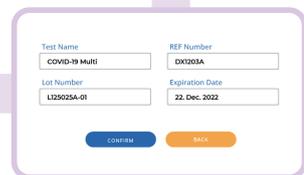
Test Protocol



6 Input patient information



5 Insert CrystalMix PCR Kit



4 Confirm test information



7 Run PCR



8 View test results



Product Specifications



| | |
|--------------------------------|--|
| Model Name | CLEO™ Q16 Real-time PCR |
| Cat No. | CL0016 |
| Test Capacity | 16 Tests (8 tubes X 2) |
| Detection Channel | 4 Channels (FAM, HEX, ROX, Cy5) |
| Heating / Cooling rate | Heating rate : 7°C/s / Cooling rate : 7°C/s |
| Light Source | High-brightness LED light source |
| Detection | Twin optical modules scanning all holes |
| Temperature Accuracy | ≤ 0.2°C |
| Control Methods | Automatic PCR condition is to set ONLY by reading the QR code on PCR kits manufactured by Wizbiosolutions Inc. |
| Result Analysis | The results can be analyzed directly on CLEO™ Q16 built-in threshold analysis algorithm. Built-in threshold analysis algorithm or PC software available as you prefer. |
| Display | 7-inch full-color HD LCD capacitive touch screen |
| Network Connection | Network interface (LAN), WiFi |
| Input power / Max power | 110 - 240 VAC (50/60 Hz) / 300W |
| Dimensions (LxWxH) | 11.0" x 8.6" x 7.0" (280 x 220 x 180 mm) |
| Weight | 145 oz (4.12 kg) |

Benefits



Compact size suitable for Point-of-Care test



Simple and easy procedure



Multiple target system (4 detection channels)



Accurate results within 40 minutes



Built-in analysis program



16 Tests (8 tubes x 2)



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ISO13485:2016, GMP certified