

Next Generation
Point-of-care
Molecular Test System

CLEO™ Q16

Rapid Real-time PCR System

**16**

16-WELL



FAST



STANDALONE



COMPACT

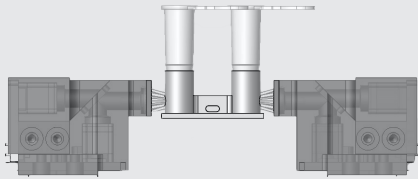


4-CHANNEL

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

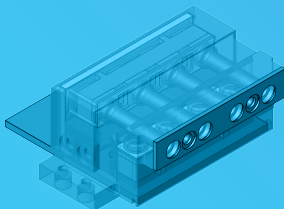
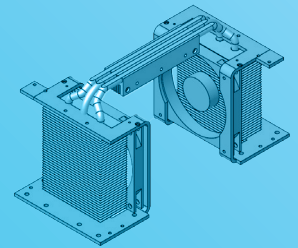


Integrated Fluorescence Module

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 : $\pm 0.5^{\circ}\text{C}$

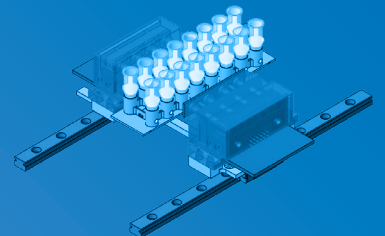


4-color Fluorescence Detection

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

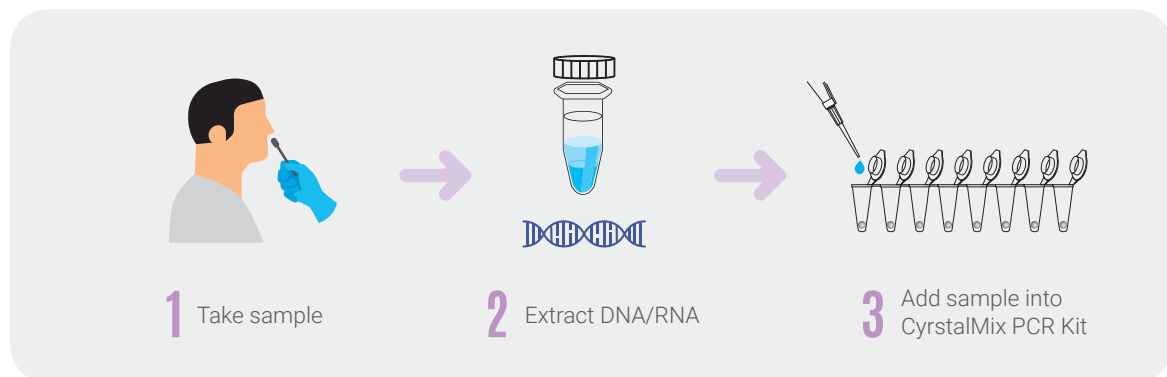


Built-in Analysis Software

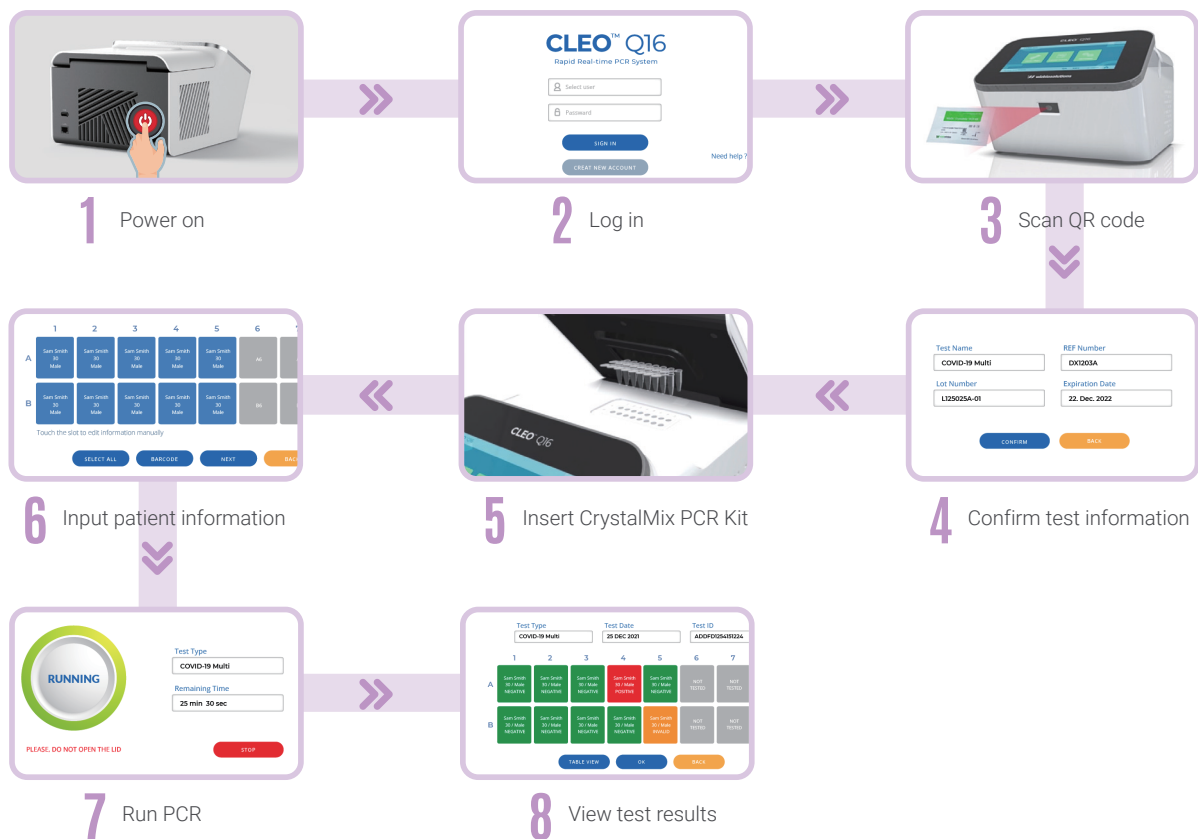
User-friendly graphical user interface
7-inch HD LCD with capacitive touch screen
Built-in Ct algorithm analyzing PCR curve data
IT connection for LIS support

Easy & Quick Protocol

Sample Preparation



Test Protocol





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