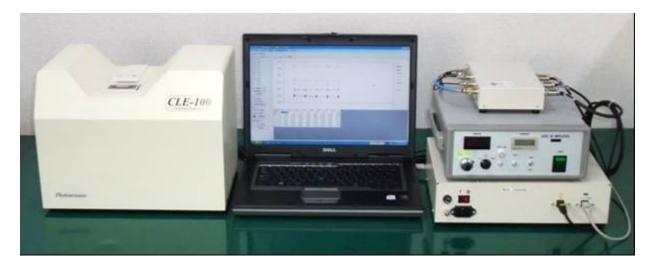
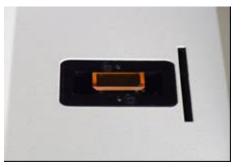


Non-Invasive Cholesterol Measurement System CLE--100





Sample measurement section (ATR prism)



Main instrument

The CLE-100 makes a simple non-invasive measurement of the cholesterol ester density in a subject's skin and reports the total cholesterol and LDL values in the blood. To make a measurement; place the patients arm on the measurement area for approximately one minute*. The results are quickly calculated and reported.

*measurement time may vary according to conditions.

[Features]

- No blood sample required, the cholesterol ester quantity is measured directly.
- No reagent or pretreatment required.
- Compact, desk-top instrument
- Quick measurement using a combination of advanced infra-red detection and a high accuracy band pass filter.
- Measurement and data processing are controlled by PC

[Use]

Measurement of cholesterol ester and lipids in the skin

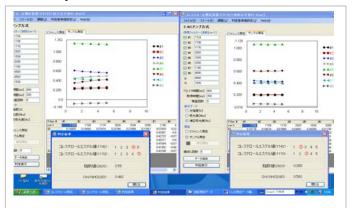
(Note) Patent applied

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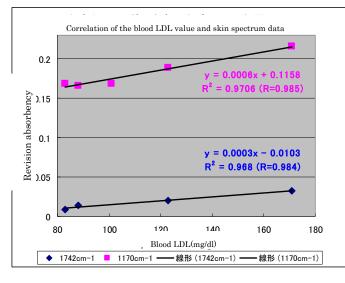
CLE-100 - Non-Invasive Cholesterol Measurement System

[Example of measurement]





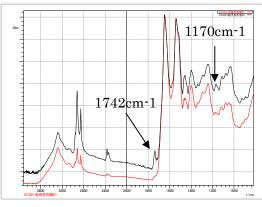
Measurement in progress (example)



CLE-100

Data shows high correlation with LDL levels in the blood Absorption value at 1742cm⁻¹, R=0.984 Absorption value at 1170cm⁻¹, R=0.985

Specifications



FT-IR spectrum of subject measurement Red: Spectrum for an individual with normal cholesterol levels Black: Spectrum for an individual with high cholesterol levels Cholesterol ester peak located at 1742cm-1.

*Product specification are subject to change without notice

Light source	Filament type IR source
Measurement	ATR prism (ZnSe)
Spectral system	High accuracy band pass filter (automatic filter change)
Detector	High sensitivity DTGS
PC for control and data processing	PC
Software	OS: Windows 7 or Windows XP
Dimensions	Main unit: 350(W)×250(D)×270(H), Accessories 320(W)×280(D)×250(H)
Power source and power consumption	AC100V 50/60Hz · 300W (Max)
is system was developed with a "	2009 product development support subsidy for small and medium-sized businesses" (which supports

Thi businesses such as trial manufacture development)

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