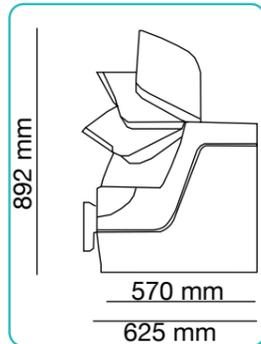
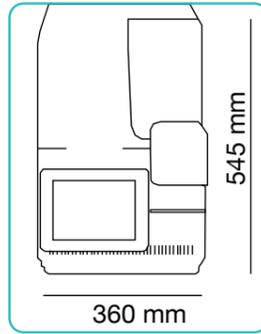


Analyser Specifications

| | |
|------------------------------|--|
| Product Name | OC-Sensor CERES |
| Principle | Latex agglutination immunoturbidimetry |
| Test items | Faecal Immunochemical Test, Faecal Calprotectin |
| Throughput | Up to 90 tests/hour |
| Calibration | Prepared liquid multipoint calibrator (6 point) |
| Hook Effect | Prozone of highly-concentrated samples is detected through the primary rate check (PRC) method |
| Barcode | Barcode for rack, sample, reagent, QC and Calibrator |
| Sample run capacity | 10 samples x 2 racks, continuous loading |
| Retest | Automatic retest and dilution retest |
| Dilution ratio | Dilution ratio: x1, x10, x20, x100, x200, x400 |
| QC materials | Liquid controls: LV1 (Middle), LV2 (High), LV3 (Low) |
| Sample dispense | Sample nozzle with liquid level detection sensor and nozzle cleaning function |
| Reagent loading capacity | 3 reagent sets (R1, R2) and 2 sample diluent buffers |
| Refrigerating system | Peltier cooling system surrounding reagent storage area (working for 24 hours) |
| Reagent dispense | Reagent nozzle with liquid level detection sensor and nozzle cleaning function |
| First result | FIT: 8 min; FCa: 10 min; FIT and FCa: 11 min |
| Cuvette | Disposable 11-sample cells / (5 cuvettes can be loaded) |
| Mixing mechanism | Mixer rotating system with cleaning function |
| Thermal system | Silicon rubber heating system for reaction table |
| Light Source / Detector | LED (Wavelength 660 nm) / Photodiode |
| Tank | Purified water tank: 500 mL and Wash solution tank: 500 mL, Drain tank: 5 L |
| Data input | Color LCD touch panel (8.4) inch |
| Memory capacity | 5000 tests, QC material: 1000 tests, CC data: 10 calibrations per time |
| Data output | Thermal printer, RS-232C, USB, Ethernet connection |
| Security | Programmable operator authorization |
| Optional reader | Two-dimensional code reader and portable barcode reader |
| Dimensions | W 360 mm x D 625 mm x H 545 mm |
| Operating conditions | Temperature: 15-30° (±2°C during analysis), humidity: 20-80% (no condensation) |
| Weight | 43 kg |
| Power supply / Heat emission | AC 100-240 V, 630 VA, 50/60 Hz, 541.87 kcal/hour |

Dimensions



OC-Sensor CERES

**Faecal Immunochemical Test (FIT)
Faecal Calprotectin Test (FCa)**



Reagents

Faecal Immunochemical Test (FIT)

- 28V-PH01 OC-SENSOR FIT Latex Reagent
- 28V-PH01 OC-SENSOR FIT Buffer
- 28V-PH53 OC-FIT Control LV1
- 28V-PH54 OC-FIT Control LV2
- 28V-PH59 OC-FIT Control LV3
- 28V-PH02 OC-FIT Calibrator



Faecal Calprotectin Test (FCa)

- 28V-PH09 OC-FCa Reagent
- 28V-PH13 OC-FCa Control LV1
- 28V-PH14 OC-FCa Control LV2
- 28V-PH15 OC-FCa Control LV3
- 28V-PH12 OC-FCa Calibrator



Please use this product after reading the Operation Manual carefully.

MD V. 1.0 / 2023-11-15

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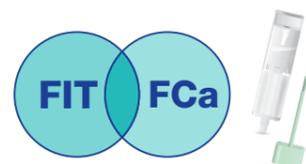


Compact, Multifunctional & High Precision

OC-SENSOR Ceres provides powerful support for routine diagnosis and screening of lower digestive diseases.

✓ FIT & FCa with a single sampling bottle

In order to meet the increasing needs for endoscopic triage in primary care, the system provides rapid quantitative stool analysis to strongly support medical treatment.



✓ High-End Analytical Performance in a compact body

OC-SENSOR Ceres makes quantitative stool testing more accessible to accounts not yet familiar with stool testing with its compact and easy operation design for anyone, anywhere. The system can be installed in clinical settings. No cell washing, no purified water supply system required, and minimal drainage. OC-SENSOR Ceres has achieved high analytical performance comparable to OC-SENSOR PLEDIA, with inheriting the concept of compact predecessor models.

✓ Enhanced Barcode System

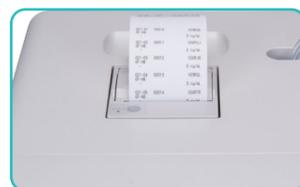


DATA-Management

- ✓ Patient ID, Results & QC DATA
- ✓ Operator ID (Operation authorization)
- ✓ Reagent Lots & EXP. Date by the automatic barcode reading system
- ✓ Portable Barcode reader is optionally available for Control, Calibrator and Operator ID

Simplified Operation

Healthcare professionals can easily perform quantitative faecal test, even if they are not familiar with analyser operation.



1 LOAD SAMPLES
Quick start up within 1 min
Continuous loading available

2 PRESS START
Order test items

3 REPORT RESULT
1st Result: FIT in 8 min
FCa in 10 min
FIT /FCa in 11 min

Simple to Use Design



The simplicity known from the previous compact model of OC-SENSOR stays with OC-SENSOR Ceres. The new OC-SENSOR Ceres has an improved operation screen design and highly sensitive touch sensor, making it simpler and easier to use.



MENU SCREEN



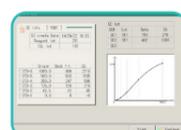
ANALYSIS
Displays sample, cuvettes and reagent status on the assay screen



SET REAGENTS
Ensures reagents matching with LOT, bottle ID, and Expiration date



QC MEASUREMENT
QC measurement is performed with a graphical display



CALIBRATION
Check calibration curves on the screen

Necessary Functions in a Compact Size

Random Access

For multiple items, FIT and/or FCa
Capacity: 90 test / hour

Fully Automatic Dilution and Retest

Dilution ratio: x1, x10, x20, x100, x200, x400



Long-Term On-Board Stability

There is a build-in refrigerator and therefore no need to store back the reagents in a refrigerator after use. Reagents are stable for 4 weeks on-board, which is a sustainable option for those laboratories with a small number of samples.



30% Less Waste Liquid*

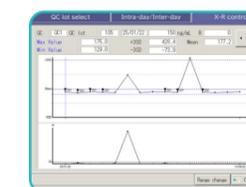
Designed to reduce water supply and drainage
*compared to OC-SENSOR io

6-Point Calibrator

The ready-to-use calibrator minimizes inter-laboratory variations and leads to more accurate testing.

QC Measurement & Monitoring

Simultaneous measurement of up to 3 different QC levels are possible. Management for instrument and reagent conditions are monitored through the X-R QC chart, auto CV calculation and a host of other functions.



8.4" Touch Screen

With graphical user interface