

The high accuracy POC analyzer that delivers lab. quality results!

■ Fast

Results in less than 3 minutes only

■ Reliable

Lab. quality accuracy and precision Certification - NGSP, IFCC, ISO

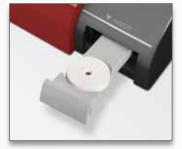
■ Cost-Effective

Minimum running cost



Touch screen

High resolution, full color LCD touch screen. Easy access to operation.



Loading

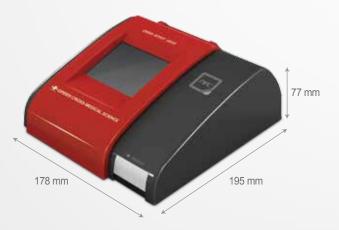
Eliminate erroneous results by simple cartridge insert on auto-loading tray.



Voice Guide

Easy access with simple GUI and clear multilingual voice guide.





Specifications

Display and User Interface	Touch Screen (3.5 inch)	
Detection Methodology	Optical Reflectance	
Temperature Range	10 ~ 40 °C / 50 ~ 104° F	
Memory	300 Tests	
Operation Condition	Temp.: 20~25 °C / Humi.: 15~75%	
Dimension	178 X 195 X 77(mm)	
Weight	730g (instrument only)	



► IT Connectivity

- USB / RS-232C
- LIS Compatible
- Software Update



▶ Built-in Thermal Printer

No need to purchase printer separately.



Patient ID / Operator ID ◀

Retrieve Patient ID (PID) and Operation ID (OID) with key-in and bar-code scanner.



Quality Management ◀

Easy quality control with control solution.





▶ Pipette Guide

Easy and safe handling of samples by simple pipetting guide.

CERA-STAT™ HbA1c Test Kit

Features & Benefits



Gold Standard!

- Boronate Affinity Principle
- HPLC (Tosoh G8) Calibrated
- NGSP (DCCT-traceable) and IFCC certified



Fast & Cost-Effective!

- Total assay time less than 3 minutes
- High througput more than 50 tests/hour
- Minimal running cost



Accurate & Reliable!

- Precision CV(%) < 3% (Guideline: < 5%)
- More than 50 countries' market proven performance



Wide Measurement Range!

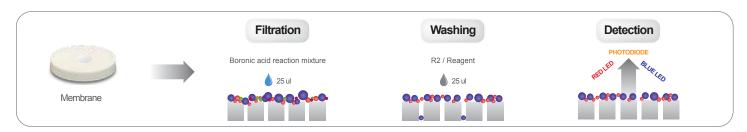
- 3 ~ 15 % (9~140mmol/mol)
- Hematocrit compensation



Test Kit Specifications	
Principle	Boronate Affinity Chromatography
Total Assay Time	Less than 3 minutes
Test Range	3 ~ 15% (9~140 mmol/mol)
Sample Type	Whole Blood (Capillary or Venous)
Sample Volume	$5\mu\ell$
Storage Condition	2 ~ 8 ℃

■ Test Principle

- The CERA-STAT™ HbA1c Test Kit utilizes a boronate affinity assay.



Test Procedure



Mix well 5uL whole blood with R1 reagent and incubate for 2 minutes.



Apply 25uL of R1 mixture to the test device.



Apply 25uL washing solution to the Test Device (TD).



Read the result within 7 seconds.

■ The Importance of HbA1c

HbA1c test is an important blood test used to determine how well the diabetes is being controlled. (Development and progression of diabetes complications, admissions to hospital, quality of life, mortality.)



CERA-STAT™ CRP Test Kit

Features & Benefits



· Lab. Instrument Calibrated!

- Olympus AU 400
- Standardized against the IFCC/BRC/CAP protein reference material ERM-DA470 (CRM 470)



Sample Type Free!

- No need to select sample type
- Whole blood / Plasma / Serum



Fast & Easy!

- -Total assay time less than 1 minute
- Immediate test result feedback



Cost-Effective!

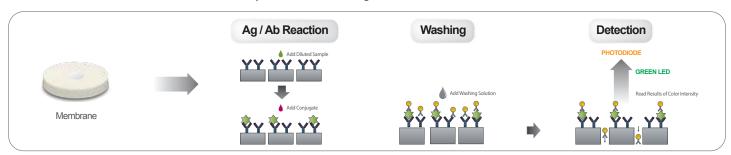
- Implemented with HbA1c in 1 analyzer
- Minimum running cost



Test Kit Specifications	
Immunoassay (Optical Reflectance)	
Less than 1 minute	
3 ~ 220 mg/L	
Whole blood, Serum, Plasma	
5 <i>μ</i> ℓ	
2~8℃	

■ Test Principle

- The CERA-STAT™ CRP Test Kit is based on an immunoassy (membrane flow-through method).



Test Procedure



Mix well 5uL blood with R1 reagent.



Apply 25uL of R1 mixture to the test device.



Apply 25uL of R2 reagent the test



Apply 1 drop of R3 reagent the



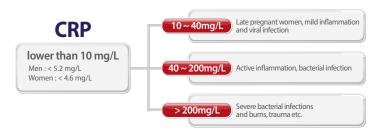
Read the result in 10 seconds.

The Importance of CRP

As elevated CRP levels are always associated with photological change, the CRP assay provides information for the diagnosis, therapy and monitoring of inflammatory disease.

Importantly from a diagnostic point of view, high readings are usually seen in bacterial infection, but only low to moderate levels in viral. CRP levels reflect inflammatory activity during treatment, remission and recurrence of the disease. With follow-up CRP Testing, the course of the illness and the efficacy of any antibiotic can therefore be monitored.

Diagnosis Using CRP



CERA-STAT™ HbA1c Test Kit

Within-Run Precision Testing (Venous Blood)

- Each of the samples was measured 30 times per each for precision

Value	Mean HbA1c (%)	CV (%)
Normal	5.5	2.1
Intermediate	8.6	2.2
Elevated	11.3	1.8

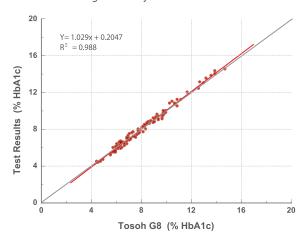
Day-to-day Precision Testing (Control Solution)

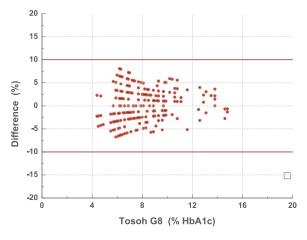
- Each sample was measured 10 times a day for 20 days using 3 meters across multiple lots.

Value	Mean HbA1c (%)	CV (%)
Normal	5.5	2.4
Intermediate	8.5	2.1
Elevated	11.5	2.2

Accuracy

- The CERA-STAT™ 4000 system was evaluated at three clinical sites from 120 patients.
- The results show high accuracy and excellent correlation.





CERA-STAT™ CRP Test Kit

Within-Run Precision Testing (Venous Blood)

- Each of the samples was measured 30 times per each for precision

Value	Mean CRP (%)	CV (%)
Normal	9.5	5.4
Intermediate	50.1	4.9
Elevated	99.7	3.6

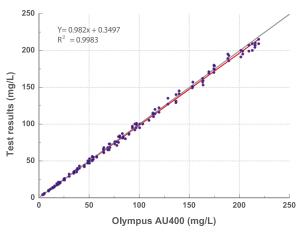
Day-to-day Precision Testing (Control Solution)

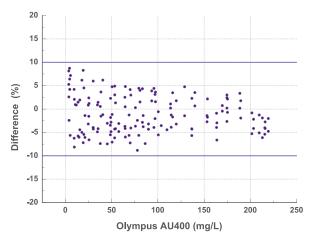
- Each sample was measured 10 times a day for 20 days using 3 meters across multiple lots.

Value	Mean CRP (%)	CV (%)
Normal	9.7	5.9
Intermediate	50.3	4.8
Elevated	98.8	5.1

Accuracy

- The CERA-STAT™ 4000 system was evaluated at three clinical sites from 86 patients.
- $\hbox{-} The \ results \ show \ high \ accuracy \ and \ excellent \ correlation. \\$





Cost Effective • Reliable • Accurate

CERA-STAT™ 4000



- The one special multi-parameter Point-of-Care (POC) instrument that covers the constantly expanding range of applications with the highest precision.
- Designed for HbA1c and CRP measurement.

Upcoming Parameters

• U-Albumin

U-Albumin test is used to to detect early kidney disease in those with diabetes or other risk factors, such as high blood pressure (hypertension).

Specification	Contents
 Principle: immunoassay(Optical Reflectance) Total assay Time: Less than 3minute Test range: 5~200mg/L Sample Type: urine of human Sample volume: 25ul Storage Condition: 2~8 °C 	• 24 tubes R1 reagent • 24 units Test device • 1 vial R2 reagent • 1 vial R3 reagent

D-Dimer

D-Dimer tests are used to help rule out the presence of an inappropriate blood clot (thrombus). Some of the conditions that the D-dimer test is used to help rule out include Deep vein thrombosis (DVT), Pulmonary embolism (PE) and Stroke.

Specification

- Principle: immunoassay(optical reflectance)
- Total assay time: less than 3minute
- Test range: 100~2000ng/ml
- Sample type: plasma, serum
- Sample volume: 25ul
- Storage condition: 2~8 °C

Contents

- 24 tubes R1 reagent
- 24 units Test device
- 1 vial R2 reagent
- 1 vial R3 reagent



CERA-STAT[™]4000

► CERA-STAT™ 4000 Analyzer

Product Name

CERA-STAT™4000 Analyzer

Contents

- 1 analyzer
- 1 power adaptor
- 1 printer paper roll 1 user manual

► CERA-STAT™ HbA1c Test Kit

Product Name

CERA-STAT™ HbA1c Test Kit

Content

32 tubes R1 reagent 30 units Test Device 1 vial R2 reagent

► CERA-STAT™ CRP Test Kit

Product Name

CERA-STAT™ CRP Test Kit

Contents

32 tubes R1 reagent 30 units Test Device 1 vial R2 reagent

1 vial R3 reagent

► CERA-STAT™ 4000 Control solution

Product Name

CERA-STAT™ HbA1c Control Solution CERA-STAT™ CRP Control Solution

Contents

2 levels x 0.5 ml/box 2 levels x 0.5 ml/box

► CERA-STAT™ 4000 Accessories and Spare parts

Product Name

Pipette Capillary Tube Capillary Tube Holder Pipette Tip Printer Paper Lancet Lancing Device Pipetting Guide

Contents

1 ea

1ea (25 uL) 1 vial (200 pcs, 5uL) 1 ea 1 box (96 tips) 1 roll 1 box (200 pcs)

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