

# CERA-CHEK™ 3 in1 GHL

*Blood Glucose, Hemoglobin, Lactate Monitoring System*

**1** Meter



**GLUCOSE**

**HEMOGLOBIN**

**LACTATE**



**3** Test Parameters

- *Fast Screening! - Only 5 seconds!*
- *Easy Testing! - Only 1 ul blood sample!*

Model no. M 400

**STRIP TECHNOLOGY**

*Stable results in spite of environmental changes with technology of netro-junction.*

CERAGEM MEDISYS INC has shown world's first hetero-junction technology in strip technological field. CERA-CHEK 3 in 1 strips are made of plastic not film. It helps the strip to indicate stable results amongst various climatic conditions.



**Other products: for single parameter use**

**CERA-CHEK™ 1 Code**

*Excellent Performance*

- Code free
- FAD-GDH Enzyme
- Gold Electrode
- 0.5ul, 5 seconds
- Neonatal & gestational testing

**CERA-CHEK™ Hb plus**

*Any time, Anywhere, Quick testing*

- 1ul, 5 seconds
- Hematocrit displayed
- No extra cleaning
- USB interface
- External Printer

**CERA-CHEK™ Lactate**

*Rapid Hand-held Lactate Meter*

- Short testing time(10 sec.)
- Small blood volume
- Large capacity of memory
- Wide measurement range
- No interference from pH and pO2



**OEM / ODM  
service**

CERAGEM MEDISYS serves OEM/ODM by providing customized system and design a particular market demands. Our accumulated technology and built up know-how produce such superiorly valued products. The world's most extraordinary quality control system of CERAGEM MEDISYS has a strong stabilized production facility. If you had been searching for decent products that may enhance your brand value, you have just found it. Contact our marketing department this minute!

MA01F-0000 (07/13)

**PRODUCT DESCRIPTIONS**

**Strip Specification**



| Parameters                  | Glucose                | Hemoglobin        | Lactate           |
|-----------------------------|------------------------|-------------------|-------------------|
| Enzyme                      | GDH-FAD                | N/A               | Lactate Oxidase   |
| Test Range                  | 10 ~ 900 mg/dL         | 5 ~ 26 g/dL       | 0.5 ~ 25 mmol/L   |
| Unit                        | mg/dL (mmol/L)         | g/dL              | mmol/L (mg/dL)    |
| Test Time                   | 5 Sec.                 | 5 Sec.            | 10 Sec.           |
| Sample Volume               | 0.5 µl                 | 1 µl              | 1 µl              |
| Sample Type                 | Capillary, Venous, AST | Capillary, Venous | Capillary, Venous |
| Hematocrit Range            | 10 ~ 70 %              | 20 ~ 60 %         | 20 ~ 60 %         |
| Calibration                 | Autocode               | Code-Key          | Code-Key          |
| Expiry Date (After Opening) | 4 months               | 3 months          | 3 months          |
| Shelf Life                  | 24 months              | 18 months         | 18 months         |
| Storage Condition           | 1 ~ 32 °C              | 1 ~ 32 °C         | 1 ~ 32 °C         |



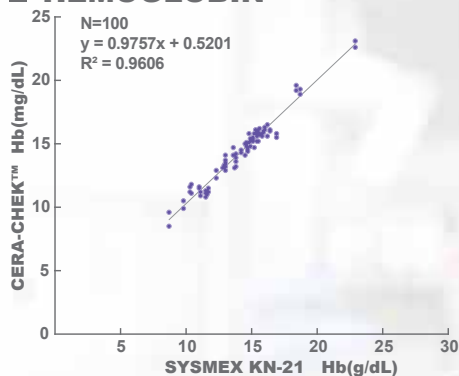
**Meter Specification**

|                     |  |
|---------------------|--|
| Methodology         | ElectroChemistry                           |
| LED Indicator       | Indication LED Lighting (Red, Blue, Green) |
| Parameters          | Blood Glucose, Hemoglobin, Lactate         |
| Memory              | Glu: 500, Hb: 250, Lac: 250 test results   |
| Operating Condition | Temp.: 4 ~ 40 °C, Humidity: <85%           |
| Storage Condition   | -10 ~ 60 °C                                |
| Battery             | CR-2032 (2 x Lithium coin battery)         |
| Battery Life        | 3,000 tests                                |
| PC Interface        | USB  |
| Weight              | 40 g (with battery)                        |
| Dimension           | 58(W) x 101.5(L) x 12.5(T) mm              |

**CERA-CHEK™ 3 in 1 GH1**  
**Blood Glucose, Hemoglobin, Lactate Monitoring System**

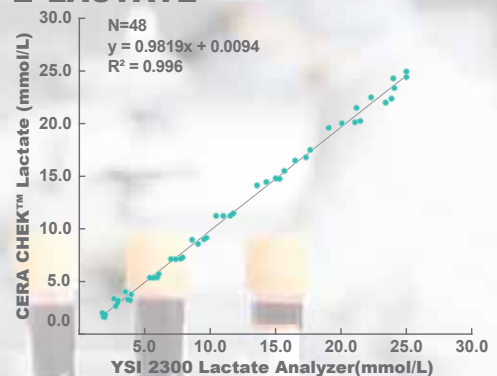
Fast Screening! – Only 5 seconds!  
 Easy Testing! – Only 1 ul blood sample!

**HEMOGLOBIN**



In fingertip testing, accuracy of the CERA-CHEK™ 3 in1 GH1 Hemoglobin Monitoring System was demonstrated by comparing results from 100 patients.

**LACTATE**



In fingertip testing, accuracy of the CERA-CHEK™ 3 in1 GH1 Lactate Monitoring System was demonstrated by comparing results from 48 patients.

# CERA-CHEK™ 3 in 1 GH L

Blood Glucose, Hemoglobin, Lactate Monitoring System



Glucose



Hemoglobin



Lactate

- Large LCD Window
- Alarm set
- 1000 memories

## 1 Meter, 3 Parameters.

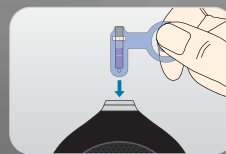
3 parameters measured with just one meter.  
Alternative tests measured by simply changing a code key.

## Fast and Easy test procedure.

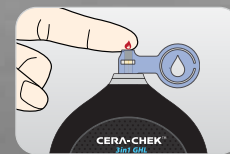
Strip grip ensures safety and prevents from blood infections.  
Simple measuring method for everyone's use.  
Accurate test results in 5-10 seconds.

## Functions for convenient use.

Saves 1,000 memories.  
Durable battery over 3,000 tests.



1. Insert test strip



2. Apply sample

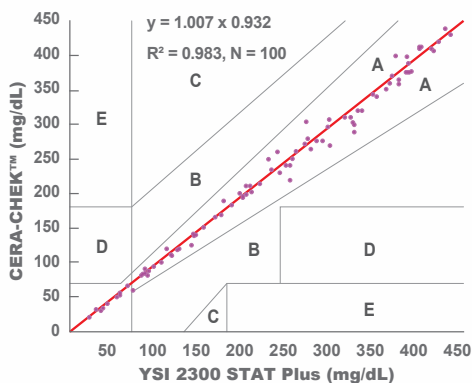


3. Accurate result just in 10 seconds

## SYSTEM ACCURACY

CERA-CHEK™ 3 in 1 GH L provides accurate results of various tests.

### GLUCOSE



In fingertip testing, accuracy of the CERA-CHEK™ 3 in 1 BGM system was demonstrated by comparing results from 100 patients with the YSI plasma equivalent glucose values.

| < 75 mg/dL        |              | ≥ 75 mg/dL   |              |
|-------------------|--------------|--------------|--------------|
| within ± 5 mg/dL  | 70% (7/10)   | within ± 5%  | 72% (65/90)  |
| within ± 10 mg/dL | 90% (9/10)   | within ± 10% | 91% (82/90)  |
| within ± 15 mg/dL | 100% (10/10) | within ± 15% | 100% (90/90) |

- The 100 test results, 100(100 %) were in Zone A (clinically accurate).
- The CERA-CHEK™ 3in1 GH L Blood Glucose monitoring system demonstrated excellent accuracy.