

#### Intended for use

The Ecare IABlood Glucose Monitoring Systems is intended for the quantitative measurement of glucose in fresh venous whole blood, or in fresh capillary whole blood from the fingertip. It is intended people with diabetes mellitus at home or healthcare facilities for monitoring the effectiveness of diabetes control program. It is not intended for the diagnosis of or screening for diabetes mellitus, and is not intended for use on neonates.

#### **Test Principle**

The Ecare IA blood glucose monitoring system is plasma calibrated to allow easy comparison of results with laboratory methods. Glucose in the blood sample mixes with special chemicals on the test strip and a small electrical current is produced. This current is measured by the Ecare IA Meter and displayed as your blood glucose result. The strength of these currents changes with the amount of glucose in the blood sample.

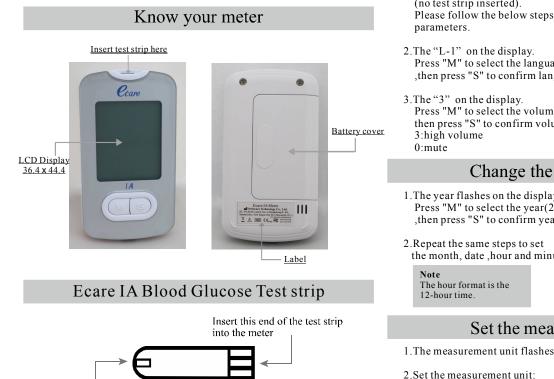
This device is an in vitro diagnostic medical device. IVD

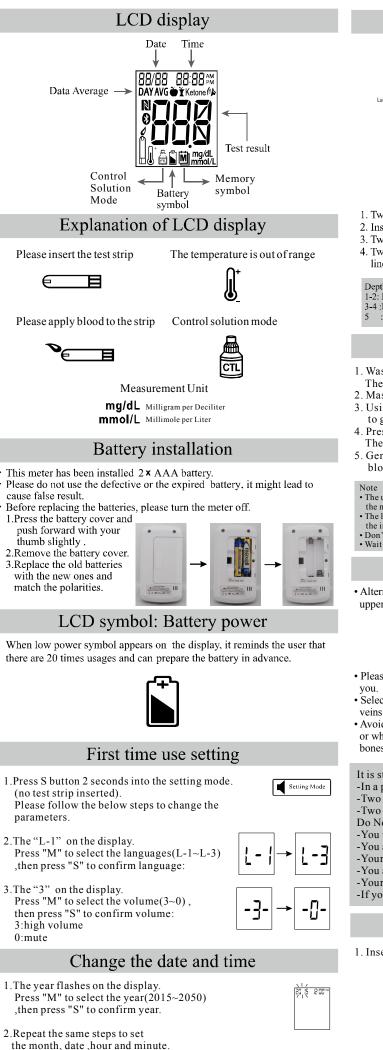
Do not use the meter for diagnosing diabetes.

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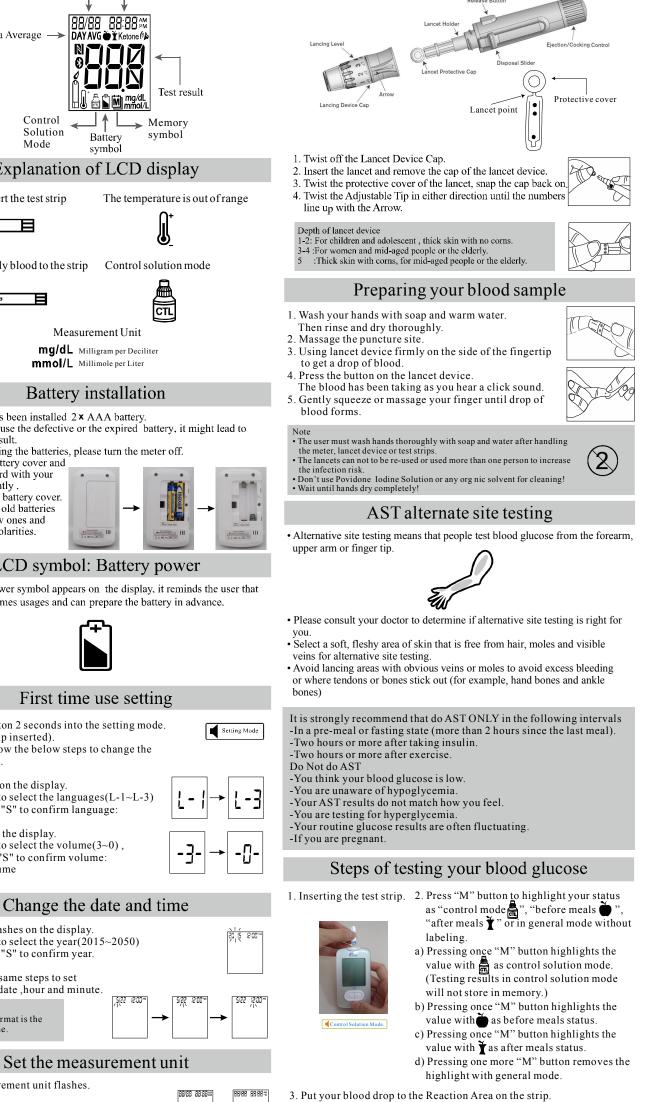
Do not change the treatment based on a single result which doesn't match how you feel or if you believe your test result is incorrect.

- · If the test result does not match how you feel and you have followed the instruction in the manual, please consult your doctor.
- · The severe dehydration or water lost might cause the false result .
- Please talk to your doctor if you are sure to have water loss.
- Please do not take a measurement near the mobile or the microwave oven, or it might lead to the incorrect result.
- Run a control test by Ecare GDH Control Material (optional accessory) when you open a new vial of test strips or if you think that your test result is incorrect. Running a control test lets you know that the meter and test strips are working properly.





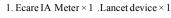
# Operation of Lancing device



Reaction Area: Touch a blood drop or control solution here

Note 1. Ecare IA Meter should only be used with Ecare IA Blood Glucose Test Strip. Using other test strips with this meter can produce inaccurate results. 2. The front side of the **Ecare IA** Blood Glucose Test Strip should face up when inserting the **Ecare IA** Blood Glucose Test Strip. 3.The strips are for single use only, please do not reuse or use the used strip and repeat the test.

## Product & accessories

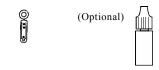






Please purchase a extra strip box from our distributor, just in case of running out of the strips

4. Lancet  $\times$  10 5.Ecare GDH Control Material 6.AAA Alkaline Battery





3.Press "S" to confirm measurement unit.

The hour format is the

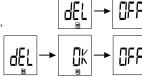
12-hour time.

1. The unit can be changed in setting mode If you can not change unit during step 2, it means the system was fixed the unit by default setting.

Press "M"to select the unit :mg/dL or mmol/L.

## Delete the test result

- 1. The "dEL" display, press "S" goes to sleep mode.
- 2. Or press "M" 2 sec, it displays "OK" to delete all memory, then goes to sleep mode.



# Preparing the test strip

- 1. Wash hands with soap and warm water. Rinse and dry thoroughly.
- 2. Pull out a test strip from the box and must re-cap the box immediately.
- 3. Insert the test strip, the front side of the test strip face up, into the test port. The meter will automatically turn on.



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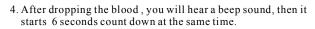
5/23 10:35\*\*



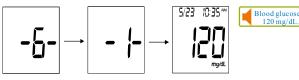
Touch the blood drop to the tip of the Reaction Area of the test strip

Now Testing

Do not put blood on top of



5/23 10.35\*\*



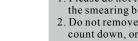
5. The result will appear on the display, auto-saving in memory

6.Remove the used test strip, then it goes to sleep mode.

5/23 10:35\*\*

- 1. Please do not touch on the strip by your finger or use the smearing blood sample.
- 2. Do not remove the strip before complete 6 seconds count down, or it will be automatically shut down. 3. The test strips cannot be re-used.





#### Review memory

The meter can store up to 300 test results. Enter the memory mode

1.Press "M"2 seconds with the meter off to enter the memory mode.

#### Please insert the test strip. Note 1. No result appears when first time using the new Ecare Meter. And appears three dashes on the display 2. You will not be able to perform a blood glucose test in this mode.

2. The first result appears on the display is the 7 days average of the test results, and numbers of the result in 7 days displayed on upper right side.

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3.Press"M" continuously, the consecutive 14/28-days average results will be shown on display in order.



#### Note

The consecutive 7/14/28-day average is calculated from the blood glucose results obtained during the last consecutive 7/14/28-day.

## Review memory

- 1. When "1" appears on the display, the value of the first result will appear later automatically.
- 2."1" means the most recent result with the result appears on the display

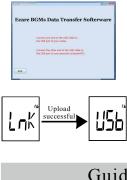


- 3. Press the "M" button continually to review the results until last one.
- 4. Press the "M" button once, than it will be into the sleep mode and turned off automatically.
- 5. If you do not review memory during step 1~4, press "S" button to turn off the meter.



# Transfer data

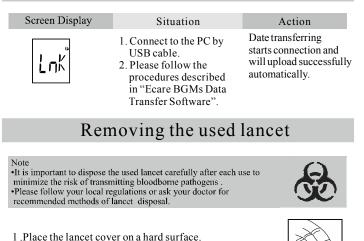
If you would like to review the results from the computer, please contact the sales distributor for assistance.



If you want to transfer your blood glucose testing data to computer(PC), please transfer your data by using "Ecare BGMs Data Transfer Software" Your blood glucose data shall be automatic transfered successfully by performing following steps: 1. Connect one end of the USB Cable to the USB port of your meter.

2. Connect the other end of the USB Cable to the USB port of your personal computer(PC).

# Guidance for condition



Cleaning and disinfection

- · Never immerse the meter or lancet device in water, and do not get any moisture in the test strip slot.
- · Do not get wet at the computer port.
- · Make sure the meter is off.

1. Wipe the meter or lancet device by following recommended material:

• CaviWipes™ (EPA\* reg. no. 46781-8)



### Note

Do not use vinegar or scouring agents to clean meter because they can harm the display and measurement window. \* Environmental Protection Agency.



2. Wipe the meter dry with a soft cloth or gauze



- 3. CaviWipes<sup>TM</sup> can be purchased from the following sources: Amazon.com
- Officedepot.com
- Walmart.com



# Maintenance

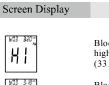
·Please store the system in a safe and dry location.

·Avoid long-term sun exposure.

·Avoid the meter to strong shocks, such as dropping the unit on the floor. ·If the meter will not be used every day, please remove the battery.

# Warning message

Situation



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EFH

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<u>L-P</u>

Blood glucose testing is higher then 600 mg/dl (33.3mmol/L) Blood glucose testing is

lower then 20 mg/dl (1.1mmol/L)

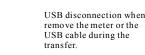
High blood glucose level, possibly ketones.

The "Ketone" flashes 5 seconds and displayed on screen

> Operating temperature is above  $40^\circ C$

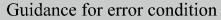
> > Operating temperature is below 10°C.

Low battery.



Damaged or used strips

Meter internal self-checking error.



Note:Never make treatment decisions based on an error message, if you have any concerns, please contact your distributor.

| Screen Display  | Situation  |   | Action   |  |
|---|--|---|--|--|
| After inserting<br>the strip,<br>the display<br>is blank.   | Low battery.   |   | Replace the batteries.   |  |
|   | Wrong Batteries polarities.  |   | Check the battery installation.                                      |  |
|   | Strip is inserted by the wrong direction.  |   | Check the direction of the strip.                                    |  |
|   | Malfunctioning meter.  |   | Contact the distributor.   |  |
| After dropping the<br>blood or the liquid of<br>the control solution to<br>the strip, the meter<br>does not work. | Not enough blood.  |   | Discard the test strip<br>and test again.                            |  |
|   | Defective strip.   |   |  |  |
|   | Malfunctioning meter.  |   | Contact the distributor.   |  |
|   | the  | e temperature of storing<br>control solution is too<br>v or high.         | Equilibrate the control material at room temperature for 30 minutes. |  |
| The test of control   | Do not expose to the sunligh   |   | Do not freeze in<br>a refrigerator.                                  |  |
| solution is out of the range.   | The control solution is<br>expired, damaged from<br>contamination or improper<br>usage |   | Discard it and use a<br>new onc.<br>Test again.                      |  |
| Name  |  | Ecare IA Blood<br>Monitoring S  |  |  |
| Bettery   |  | 2 × AAA Alkaline  |  |  |
| Bettery Life  |  | Approximately 1,000 tests   |  |  |
| Dimension & Weight  |  | 97 × 54 × 20 mm &<br>83 g( with battery )                                 |  |  |
| Measurement Range   |  | 20 mg/dl ~ 600 mg/dl<br>(1.1mmol/l ~ 33.3mmol/l)                          |  |  |
| Operation Temperature   |  | 10~40°C (50~104 °F)   |  |  |
| Operation Humidity  |  | 10~90 %   |  |  |
| Storage Circumstance  |  | Meter : -20∼70°C (-4∼158 °F)<br>Strip : 6∼42°C (42.8∼107.6F)<br>RH:10∼90% |  |  |
| Response Time   |  | 6 seconds   |  |  |
| Average   |  | 7/14/28 days average results  |  |  |

|  | Response Time |  | 6 seconds                       |  |  |
|--|---------------|--|---------------------------------|--|--|
| Action   | Average       |  | 7/14/28 days average results    |  |  |
|  | Hematocrit    |  | 20%~60 %                        |  |  |
| 1. Run a control solution test and restart the test. | Sample Volume |  | 1.0ul                           |  |  |
| <ol> <li>If the result of control</li> </ol>         | Test Sample   |  | Capillary or Venous whole blood |  |  |
| solution test is in normal range, please test again. | THE SYMBOL    |  |                                 |  |  |
|  | Ĩ             | Consult operating instructions               |                                 |  |  |
|  | $\land$       | Caution need consult the instruction for use |                                 |  |  |
| Please operate the meter in the appropriate          | LOT           | Your test strips' lot number                 |                                 |  |  |
| temperature: 10-40°C<br>(50-104°F)                   | SN            | Serial number                                |                                 |  |  |

Please operate the meter in the appropriate temperature: 10-40°C (50-104°F)

Change the battery.

Try again. If the same issue occurs, please ask for help for the local distributors

Damaged or used strip, please discard it and test again

Please contact your local

IVD

CONTROL

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EC REF

FCC Marking:

EU Authorized Representative

Use-by date

**Control Material** 

Do not reuse

Manufacturer

For in vitro diagnostic use

**Temperature Limitation** 

his device complies with part 15 of the FCC FC Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Push the lancet point into the cover. 2. Place the lancet cover back on the exposed lancet point. 3. Discard the used lancet and test strip.

• The expiration time of a strip vial is 🛛 (YYYY-MM).

• It is recommended to write the date when you open the strip vial.

· Please do not use the strip past the expired date which may lead to the



Insufficient blood volume

Please prepare sufficient blood volume and test again by new strip.

distributor.

# Customer service

If you have any questions or concerns regarding this product or the product issues which can't be solved through trouble shooting tips, please do not assemble by yourself and contact us for assistance

#### Customer service line:

+1-949-702-0769, 24 hours a day, 365 days a year.

#### · A drying agent is included in the strip vial.

 $\cdot$  Once you open it, the expired time is  $\overline{90}$  days.

· Please keep the strips and the vial away from the children, prevent them from eating.

Storage of strips

Storage Circumstance:

wrong result.

Meter : -20~70°C (-4~158 °F) RH:10~90% Strip : 6~42°C (42.8~107.6 °F)

- · Keep away from moisture and sunlight.
- Please store the strip vial in a safe and dry location, and avoid long-term sun exposure.
- · Do not store the strips outside the vial.
- · Do not store the strip in the other vial.
- · Please do not touch the strip by a wet hand.
- Once you take the strip from the vial, please use it as soon as possible. And re-cap the vial immediately.
- · Please do not bend or cut the strip.

# Swiscare Technology Co., Ltd.

2F., No.43,45, Lane3, Sec. 1, Zhongzheng E. Rd., Tamsui Dist., New Taipei City 251, Taiwan (R.O.C.) TEL:+886-2-2629-0878 FAX: +886-2-2629-0118 E-mail : service@swiscare.com

## Lancet

Manfactured by:



Shandong Lianfa Medical Plastic Products Co., Ltd No.1 Shuangshan Sanjian Road 250200 Zhangqiu City, Jinan, Shandong PEOPLE'S REPUBLIC CHINA

NOTE: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- -Reorient or relocate the receiving antenna
- -Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.



Dispose of used test strip as well as lancets carefully to prevent injury or contamination. Please dispose of in accordance with your local ordinances



For environmental reasons, do not dispose of the device with the household waste at the end of its service life. If you have any questions, please contact the local authorities responsible for waste disposal.