

IVD	For In vitro diagnostic use	1	Temperature limitation / Store at
$\widehat{\mathbf{i}}$	Please consult instructions for use	\square	Use by /Expiry date
2	Do not reuse	***	Manufacturer
LOT	Lot number	\triangle	Caution, consult accompanying document
*	Keep dry	类	Keep away from sunlight
10%	Humidity limitation	EC REP	EU representative.

CE 0123 This product fulfils the requirements of Directive 98/79/EC in vitro diagnostic medical device.

Performance Characteristics: Accuracy: 95% of the measured glucose values shall fall within either ±15 mg/dL (±0.83 mmol/L) of the average measured values of the reference measurement procedure at glucose concentrations <100 mg/dL (<5.55 mmol/L) or within ±15% at glucose concentrations ≥100 mg/dL (≥5.55 mmol/L).

PRECISION: Standard deviation (SD) for each glucose concentration <100 mg/dL (5.55 mmol/L) and coefficient of variation (CV) for each glucose concentration ≥100 mg/dL (5.55 mmol/L) is <5.0 mg/dL (0.278 mmol/L) and <5.0%, respectively.

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10-62-3619-0003 V1-AUG15 MDSS GmbH Schiffgraben 41, 30175 Hannover, **GERMANY**

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Before You Begin

PLEASE READ THIS BEFORE USING. The following basic safety precautions should always be taken.

- 1. Close supervision is necessary when the device is used by, on, or near children, handicapped persons or invalids.
- 2. Use the device only for the intended use described in this manual.
- 3. Do not use test strips and control solutions which are not supplied by the manufacturer.
- 4. Do not use the device if it is not working properly, or if it has suffered any damage. 5. Before using any product to test your blood glucose, read all instructions thoroughly and practice the test. Do all quality control checks as directed and consult with a diabetes healthcare professional.
- 6. KEEP THESE USER GUIDE WITH YOU.

Intended Use

IVD The system is intended for use outside the body (in vitro diagnostic use only). It should be used only for testing blood glucose (blood sugar) and only with fresh capillary whole blood samples. The system is intended for self-testing at home and for clinical settings. It should not be used for the diagnosis of diabetes.

Principle of Measurement

Blood glucose is measured by an electrical current that is produced when a blood samples mixes with the reagent (special chemicals) of the test strip. The electrical current changes with the amount of glucose in the blood sample. The OKmeter Core meter measures the strength of the electrical current, calculates your blood glucose level and then displays your result in either milligrams of glucose per deciliter (mg/dL) or millimoles of glucose per liter (mmol/L).

Caution

- 1. The user should not take any decision of medical relevance without first consulting his or her medical practitioner.
- 2. Call your doctor immediately if you experience symptoms that are not consistent with your blood glucose test results.
- 3. High altitudes above than 3,402 meter (11,161 ft) may affect the test results.
- 4. Temperatures outside the range of 10°C to 40°C (50°F to 104°F) may affect the test results. Do not test beyond the temperature range.
- 5. No modification of this equipment is allowed.
- 6. If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.
- 7. Do not use this meter near cellular or cordless telephones, walkie talkies, garage door openers, radio trancimitters, or other electrical or electronical equipment that are sources of electromagnetic, radiation, as these may interfere with the proper operation of the meter.

IMPORTANT HEALTH-RELATED INFORMATION

- 1. Apply only capillary whole blood sample to test your blood glucose. Applying other substances or plasma, serum will cause wrong results.
- 2. Severe dehydration and excessive water loss may cause false low results. If you believe you are suffering from severe dehydration, consult your healthcare professional immediately.
- 3. Test results below 60 mg/dL (3.3 mmol/L)*1 indicates low blood glucose (hypoglycemia). Test results greater than 240 mg/dL (13.3 mmol/L)*2 indicates high blood glucose (hyperglycemia). If your results are below 60 mg/dL(3.3 mmol/L) or above 240 mg/dL(13.3 mmol/L), repeat the test, and if the results are still below 60 mg/dL(3.3 mmol/L) or above 240 mg/dL(13.3 mmol/L), consult your healthcare professional immediately.
- Inaccurate results may occur in severely hypotensive individuals or patients in shock. Inaccurate low results may occur for individuals experiencing a hyperglycemic-

hyperosmolar state, with or without ketosis. Critically ill patients should not be tested with blood glucose meters.

5. Abnormal red blood cell counts (hematocrit level below 20% or above 60%) may cause false results. Please consult your healthcare professional if you do not know your hematocrit level.

Interference: Reducing substances occurring in the blood naturally (uric acid, bilirubin) or from therapeutic treatments (ascorbic acid, acetaminophen) will not significantly affect the OKmeter Core test results. However, elevated concentrations of these substances may affect test results. The compounds listed in the tables were found to have no affect at the concentration indicated.

Compounds	Concentrations higher than the following values may cause inaccurate results	Compounds	Concentrations higher than the following values may cause inaccurate results
Acetaminophen	8.0 mg/dL (0.53 mmol/L)	Hydroxyurea	3.0 mg/dL (0.39 mmol/L)
Ascorbic Acid	5.0 mg/dL (0.28 mmol/L)	Ibuprofen	50 mg/dL (2.42 mmol/L)
Aspirin	60 mg/dL (3.33 mmol/L)	Icodextrin	13 mg/dL (0.01 mmol/L)
Bilirubin	90 mg/dL (1.54 mmol/L)	L-dopa	10 mg/dL (0.51 mmol/L)
Cholesterol	500 mg/dL (12.9 mmol/L)	Maltose	900 mg/dL (26.3 mmol/L)
Creatinine	5.0 mg/dL (0.44 mmol/L)	Methyldopa	3.0 mg/dL (0.13 mmol/L)
Dopamine	2.0 mg/dL (0.11 mmol/L)	Pralidoxime Iodide	25 mg/dL (0.94 mmol/L)
EDTA	360 mg/dL (12.3 mmol/L)	Salicylate	60 mg/dL (4.34 mmol/L)
Galactose	900 mg/dL (50 mmol/L)	Tolazamide	100 mg/dL (3.21 mmol/L)
Gentisic Acid	5.0 mg/dL (0.32 mmol/L)	Tolbutamide	400 mg/dL (14.8 mmol/L)
Glutathione	53 mg/dL (1.72 mmol/L)	Triglycerides	2,000 mg/dL (22.6 mmol/L)
Haemoglobin	500 mg/dL (0.08 mmol/L)	Uric Acid	8.0 mg/dL (0.48 mmol/L)
Heparin	8,000 U/dL	Xylose	100 mg/dL (6.66 mmol/L)

REFERENCE:
*1: Kahn, R. and Weir, G.: Joslinis Diabetes Mellitus, 13thed Philadelphia : Lea and Febiger (1994), 489. * 2: Krall, L.P. and Beaser, R. S.: Joslin Diabetes Manual. Philadelphia: Lea and Febiger(1989), 261-263

Getting To Know Your System

The OKmeter Core Blood Glucose Monitoring System.

The OKmeter Core system uses the latest technology to provide you with easy and comfortable testing. The system requires only 0.7 μL blood sample to complete the testing in only 5 seconds.

The OKmeter Core system consists of

- 1. OKmeter Core Blood Glucose Meter
- 2. OKmeter Core Blood Glucose Test Strips
- 3. OKmeter Control Solution

Important: Use only OKmeter Core test strips and control solutions with your OKmeter Core meter. Use other test strips and control solutions with this meter can produce inaccurate results.

▲ ▼ BUTTON:

Press button to decrease or increase the value of the STRIP SLOT: current setting. Holds an OKmeter Core blood glucose strip in

place when you perform blood glucose test. User Guide GRE Glucos Meter Co., Ltd. C €01 **DISPLAY:** Shows test results and messages

Main button, press button to turn the meter on or perform other functions described in STRIP EJECTOR: Slide the ejector

M BUTTON:

forward to discard the test strip

BATTERY COVER: Holds ONE 3V Lithium battery (battery type CR2032). Please install battery into meter before you start testing.

METER LABEL: Each meter has its unique number on it. Do not alter or tear

the label off.

S BUTTON: **DATA PORT:**

Allows you to switch between "Before Meal (AC)" or Allows you to transfer the "After Meal \((PC)\)" settings. information stored in the meter to a computer to view, analyze and print

AC/PC BUTTON :

Set button, press button to enter meter setting. Refer to "SETTING TIME AND DATE" section of this User Guide for details.

Meter

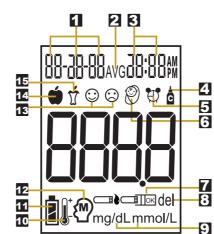
Please contact us if you need detailed information

TEST STRIP HANDLE: Hold this part to insert the test strip into the meter slot



This is where we confirm if enough blood has been drawn into strip. Ensure that it is fully covered with blood sample.

Test Strip



1. DATE: Displays date, month and year. (DD-MM-YY)

- 2. AVERAGE: Appears when the meter is in the memory mode while recalling 7/14/30/90 days
- 3. TIME: Displays time for either 12 or 24 hour period format according to your setting.
- 4. CONTROL SYMBOL: Appears when you preset the test as Control Solution Test and the test
- result will not be stored in meter memory. 5. ALARM SYMBOL: Appears when you are
- setting alarms. 6. NEONATE TESTING MODE: Appears when
- you preset the test as Neonate Test. 7. TEST STRIP SYMBOL: Appears when the meter is turned on and waiting for test strip to be
- inserted. 8. DELETE SYMBOL: when it flashes, press \$ BUTTON for 3 seconds to delete the
- selected test result.
- 9. UNIT OF MEASURE: Appears with the test result either in mg/dL or mmol/L. 10. THERMOMETER SYMBOL: Appears when ambient temperature is above or below the acceptable range needed for testing. 11. BATTERY SYMBOL: Appears when battery is weak.
- 13. : Appears when test result is lower than 70 mg/dL (3.9 mmol/L) or higher than 180 mg/dL (10 mmol/L). : Appears when test result is within the range of 70 to 120 mg/dL (3.9 mmol/L to 6.7 mmol/L). 14. BEFORE MEAL: Indicates that your test is a Before Meal test.
- 15. AFTER MEAL: Indicates that your test is an After Meal test.

12. MEMORY SYMBOL: Appears when in memory mode.

REPLACING THE BATTERY

The OKmeter Core meter comes with ONE Lithium batteries (battery type CR2032) Battery life will vary depending on usage, so always keep a spare battery on hand. The battery should last about 1000 tests or 12 months when testing 3 times a day. When the battery symbol appears on the meter display, battery is getting low. You will

still be able to test with low battery, but you should replace it as soon as possible. When the battery symbol and E-b shows up in the meter display, the meter will no longer give results and you must replace the battery immediately. Please always have one spare battery with you to ensure that you can replace the battery anytime.

How to replace the battery



1. Make sure the meter is turned off. Let the front of the meter rest in the palm of your hand. Slide battery cover open.

2. Press the semicircle tip of battery holder, and the battery



3. Insert new battery (battery type CR2032), and be sure to align the plus (+) side up. You should hear a beep to indicate the battery installed correctly. If not, please reinsert the battery correctly.

4. Close battery cover.

- 1. Replacing the battery does not affect the test result stored in memory. However the time and date may need to re-set.
- 2. As with all small objects, the battery should be kept away from small children as a safety precaution. If the battery is swallowed, seek medical assistance immediately.
- 3. Batteries might leak chemicals if not used for a long time. Remove the batteries if you are not going to use the device for extended (i.e., 3 months or more).

leaps out of the compartment.

Please discard the product or the batteries properly according to the regulations of your country.

SETTING TIME AND DATE

Your OKmeter Core meter comes with a new battery (Battery Type: CR2032).Please install battery first and set correct time and date before you begin to test.



STEP 1. Enter Setting Mode

Press S BUTTON to turn on the meter. STEP 2. Set the Year, Month and Date (DD-MM-YY)



After the buzzer, you have entered the time setting mode. Press ▲ or ▼ BUTTON to obtain the desired Year and press "S" BUTTON to confirm and move to next Month and Date setting. Repeat to set the month and the date.



STEP 3. Set the Hour The hour appears with the number flashing. Press ▲ or ▼ BUTTON to obtain the desired hour. The meter preset the time in a 12-hour(AM/ PM) format, if you want to change to 24-hour format, press and hold AC/PC BUTTON for 3 seconds to switch to 24-hour format. Press S BUTTON to confirm.



STEP 4. Set the Minute The minute appears with the number flashing. Press and release ▲ or

▼ BUTTON to obtain the desired minute. Press **S** BUTTON to confirm. **STEP 5. Delete Memory** When the $^{\textcircled{\scriptsize 1}}$ symbol and "del" appear on the display, you can choose



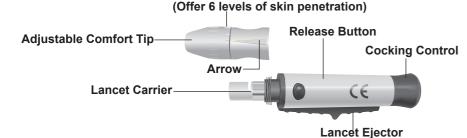
S BUTTON again to skip this step. If you want to clear ALL memory, press and hold M BUTTON for 3 seconds. "del" will flash 3 times, and then "----" and the symbol will appear on the LCD screen to indicate that all memory has been deleted. STEP 6. Complete Setting

to clear the memory. If you do not want to clear the memory, press the

After deleting the memory, the meter will display "OFF" before shut down. The meter setting is now completed.

Adjustable Lancing Device Your lancing device and lancets are used for obtaining capillary blood samples from the puncture site.

2 Prepare For Blood Sampling



Lancing Device Cover

Protective cap

1. \(\subseteq \text{Lancet is for single use only.} \)

Lancet

- 2. Keep lancing device and lancets clean.
- 3. Use caution when removing the used lancet from the device and when disposing

IMPORTANT: The meter and lancing device are for single patient use. Do NOT share them with anyone including other family members! Do NOT use on multiple patients!

Setting your Lancing Device



lancet into the lancet holder and push down until it is fully seated.

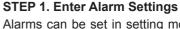
1. Screw off the cap of lancing device. Insert a



- 2. Twist off the protective cap until it separates from the lancet.
- 3. Replace the lancing device cap and set the
 - For thick or callused skin

Set the Alarm





Alarms can be set in setting mode. Press S BUTTON to turn on the meter. Press and release S BUTTON until the value of "minute" flashes, press and hold M BUTTON for 3 seconds to enter Alarm Settings.



The meter allows you to set 4 different alarms with an order from AL 1 to AL 4. Will be displayed during the alarm setting. (1) Press ▲ or ▼ to turn the alarm ON (Fig.A) or OFF (Fig.B).

STEP 2. Set the Alarm

(2) Press **S** BUTTON to move to hour setting for alarm. (Fig.C) Use ▲ or ▼ BUTTON to set your desired hour. Press **S** BUTTON again to set the munite. (Fig.D)

(3) Press S BUTTON to set the next alarm.

Fig.D (4) Repeat (1) to (3) procedures to set the second, third and fourth

STEP 3. Complete Setting



On

Fig.C

When the meter displays time and date, press S BUTTON for 6 times to skip the rest of the setting mode; the meter displays "OFF" and shut down.



puncture depth to the desired number.

To select the best depth: For delicate skin

□□■Ⅲ For normal skin



4. Pull back the cocking control until it makes a click, and then release. If it does not click, the device may have been cocked when the lancet was inserted.

Performing Blood Test

- 1. Wash Your Hands and the Puncture Site: Wash your hands in warm, soapy water. Rinse and dry completely. Warm your fingers to increase blood flow.
- 2. Insert Test Strip: Remove a new test strip from vial. Be sure to tightly replace vial cap after removing test strips. Insert test strip immediately into strip slot as illustrated. The meter turns on automatically.
- 3. When the blood symbol blinks: When the blood symbol blinks, you are ready to perform a test.
- *The meter preset the test as Before Meal : press AC/ PC BUTTON to switch between Before Meal and After Meal T tests (Figure 1).

AC (Ante cibum): Before Meal. To PC (Post cibum): After Meal, 2 hours after eating.

For healthcare professionals: The device can be used on neonates, but needs to be preset neonate test on the meter before testing. It should be tested by doctor or professionals only.

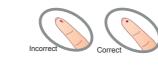
'If you are testing the blood of a neonate (newborn baby under 4 weeks old), press ▲ or ▼ to enter Neonate Testing Mode (Figure 2). The ② symbol indicates that you are now in Neonate Testing Mode. Press ▲ or ▼ again if you want to exit the Neonate Testing Mode. The result tested in Neonate Testing Mode will not be recorded in the meter memory.

4. Select and Lance a Puncture Site

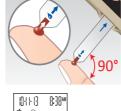
*For Fingertip

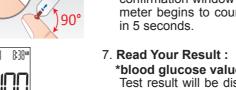
Hold the prepared lancing device firmly against the side of your fingertip. Press release button.

Please refer to the "About Alternative Site Testing (AST)" Section. Please consult your healthcare professional before obtaining blood from site other than your fingertip.



another drop of blood. 6. Apply Blood Sample: Apply the blood sample to the







opening of absorbent channel of test strip until the confirmation window is fully covered with blood. Then the meter begins to count down and displays the test result

5. Obtain a Blood Sample: Gently massage your finger

or puncture site to obtain the required blood volume. To perform the test, you need only 0.7µL of blood sample. Do not smear the blood sample. To obtain best accurate

result, wipe off the first drop of blood and gently squeeze

*blood glucose value with @ sign

Test result will be displayed after meter counts from 5 to 1. The meter will display a \odot sign if the result falls in the range of 70-120 mg/dL (3.9 - 6.7 mmol/L). See Figure 3. The default value is only for your reference, please consult your health care professional to find out your target blood glucose value.

*blood glucose value with © sign The meter will display a \odot sign and a blinking value if the test result is lower than 70 mg/dL (3.9 mmol/L) or higher than 180 mg/dL (10 mmol/L). See Figure 4.

*blood glucose value without ⊕ or ⊕ sign If your test result falls in 120-180 mg/dL (6.7-10 mmol/L), there will be no © or © sign. See Figure 5.



fig.5

8. Slide Forward Ejector: To discard the test strip, turn the meter upside down, and Strip Ejector forward.



Fig.2

9. Remove the Adjustable comfort Tip when finished. Put the Protective Cap back onto the exposed needle of



10. Direct the lancing device away from you and slide the Lancet Ejector lever in a forward motion, disposing the lancet in an approved container.

Control Solution Testing

OKmeter control solutions contain a known amount of glucose that reacts with OKmeter Core test strips. By testing your control solution and comparing the test results with the expected range printed on the test strip vial label, you can make sure that the meter and the test strips are working properly together as a system and that you are performing the test correctly. It is very important that you do this simple check routinely to make sure you get accurate results.

Why perform a control solution test?

- 1. To ensure that your meter and test strip are working properly together.
- 2. To allow you to practice testing without using your own blood.

When should the control solution test be performed?

- 1. When you first get your OKmeter Core meter. Before using this system to test your blood, you can practice the procedure by using control solution. When you can do three tests in a row that are within the expected range, you are ready to test your blood.
- 2. Once a week (to make sure that you continue to get accurate results)
- When you begin using a new vial of test strips. Whenever you suspect that the meter or test strips are not working properly.
- 5. When your blood glucose test results are not consistent with how you feel, or when you think your results are not accurate.
- When test strips are exposed to extreme environmental conditions.
- 7. If you drop the meter.

- 1. Check the expiration date on the control solution bottle. Do not use if expired.
- 2. Control solution, meter, and test strips should come to room temperature (68-77 °F/20-25°C) before testing.
- 3. Shake the bottle before use, discard the first drop of control solution after squeezing, wipes off the dispenser tip to avoid contaminations. These steps ensure you will get a good sample and an accurate result.
- 4. The discard date for control solution is 30 days after first opening. Record the discard date on the bottle, when you open a new bottle of control solution.
- NOTE: 1. There are two levels of control solution (normal and high) available to

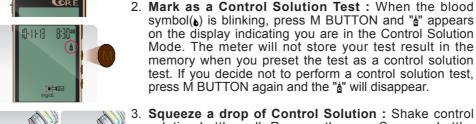
is not the recommended range for your blood glucose level.

purchase. Please contact with your local distributor when required. 2. The control solution range printed on the test strip vial is for OKmeter Control Solution only. It is used to test meter and strip performance. It

How to Perform a Control Test



1. Insert Test Strip: Insert a new test strip into the strip slot, the meter will activate.

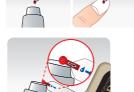


symbol(b) is blinking, press M BUTTON and "a" appears on the display indicating you are in the Control Solution Mode. The meter will not store your test result in the memory when you preset the test as a control solution test. If you decide not to perform a control solution test, press M BUTTON again and the "a" will disappear. Squeeze a drop of Control Solution : Shake control

solution bottle well. Remove the cap. Squeeze bottle,

discard the first drop and wipe off the dispenser tip with

a clean tissue paper or cotton swab. Squeeze a drop on



clean bottle cap / fingertip / non-absorbent surface. 4. Apply Control Solution: Apply the drop to the opening of the strip absorbent channel until the confirmation window is filled. The meter begins to count down.



5. Check if the test result is in range: After the meter counts down from 5 to 1, the test result shows up. Compare the test result with the range printed on the test strip vial. The result should fall within the printed range.

NOTE: 1. DO NOT APPLY THE CONTROL SOLUTION DIRECTLY TO THE TEST STRIP! Overdosed solution may give inaccurate result.

2. Repeat test if test result falls outside the control range stated on the test strip label. If subsequent test remains to produce unacceptable result, the meter or test strip may be faulty. DO NOT use the system. Contact your local distributor for help.

Memory Recall

The OKmeter Core meter automatically stores 450 test results, letting you review them in order from the most recent to the oldest. The meter also calculates and displays the previous 7, 14, 30, and 90-day averages for either Before Meal 🍏 or After Meal T test results.

Recall the Memory



STEP 1. Enter the Memory Mode

PRESS M BUTTON for 3 seconds to turn on the meter, and press M bottom again to enter memory mode.

STEP 2. Recalling Individual Test Results

When entering the memory mode, the most recent Before Meal test results with date and time will be shown. Press ▲ or ▼ BUTTON to recall all Before Meal • test restuls in order. If you want to recall your After Meal ☆ test results, press AC/PC BUTTON for 3 seconds. Press ▲ or ▼ BUTTON to recall all After Meal 🛱 test restuls in order. When the memory is full, the oldest result is dropped as the newest is added.

STEP 3. Recalling Average Test Results



Anytime in the memory mode, press M BUTTON, the 7-day average of Before Meal • test results will appear. Press ▼ BUTTON and the 14-day, 30-day, and 90-day averages will display in order. If you want to recall your After Meal Υ averages, press AC/PC BUTTON for 3 seconds. To exit Average Test Results, press M BUTTON again and return to Individual Test Results.

STEP 4. Exit the Memory Mode

Leave the meter without operation for 30 seconds, and it turns off automatically.

Deleting Individual Memory

- 1. When you are in the memory mode and recall the individual memory, select the test result you wish to delete and display it on the screen.
- 2. Press S BUTTON for 3 seconds. The deleting symbol "----" and "del" appears, indicating that the selected test result has been deleted successfully.

Caring For Your Meter And Test Strip

To avoid the meter and test strips getting dirt, dust or other contaminants, please wash and dry your hands thoroughly before use.

Cleaning

Your meter does not require special maintenance. As long as no blood or control solution comes in direct contact with the meter, there is no special cleaning

To clean the meter exterior, wipe with a cloth moistened with tap water or a mild cleaning agent, then dry the device with a soft and dry cloth. Do not flush with

Do not use organic solvents to clean the meter. Your meter is a precision instrument. Please handle it with care.

Storage

1. Meter Storage

- Storage condition: -20°C~50°C (-4°F~122°F), below 90% relative humidity. * Avoid dropping and strong impact.
- * Avoid direct sunlight and humidity.

2. Strip Storage

- * Storage condition: 4°C~40°C (39°F~104°F), and 10~85% relative humidity. Do not freeze.
- * Store your test strips in their original vial only. Do not transfer to other container. Store test strip packages in a cool and dry place. Keep away from direct
- sunlight and heat. * After removing a test strip from the vial, immediately replace the vial cap and
- close it tightly. * You may touch the test strip anywhere with clean, dry hands when removing it
- from the vial or inserting it into the meter.
- * Use each test strip immediately after removing it from the vial.
- * Do not bend, cut, or alter a test strip in any way. * Keep the strip vial away from children since the cap and the test strip can be
- a potential choking hazard. If swallowed, please seek medical assistance immediately.

3. Control solution storage

Storage condition: Store the control solution tightly closed at temperatures between 4°C (39°F) and 30°C (86°F). Do not freeze.

About Alternative Site Testing (AST)

There are important limitations for doing AST. Please consult your healthcare professional before you perform AST.

What is AST?

Alternative Site Testing (AST) means you can use parts of the body other than your fingertips to check your blood glucose levels. The system allows you to test from the palm, forearm, upper arm, calf or thigh, with equivalent results to fingertip testing.

What is the advantage?

Fingertips feel pain more readily because they are full of nerve endings (receptors). At other body sites, nerve endings are not so numerous and you will not feel as much pain as you will experience at the fingertip.

When to use AST?

Food, medication, illness, stress and exercise can affect blood glucose levels. Capillary blood at fingertip reflects these changes faster than capillary blood at other sites. Therefore, if you are testing blood glucose level during or immediately after meal, physical exercise or stressful event, take the blood sample from your fingertip

Use AST only:

- 1. In a pre-meal or fasting state (more than 2 hours
- since the last meal). 2. Two hours or more after taking insulin.
- Two hours or more after exercise. During steady state blood glucose conditions.

Do NOT use AST if:

- 1. You have reason to believe you have hypoglycemia
- or hyperglycemia. 2. Your routine glucose results are often fluctuating.
- 3. You are pregnant.

How to increase the accuracy?

Stimulating blood perfusion by rubbing the puncture site prior to blood extraction has a significant influence on the glucose value obtained.

Blood from the site without rubbing exhibits a measurably different glucose concentration than blood from the fingertip. When the puncture site was rubbed prior to blood extraction, the difference was significantly reduced.

IMPORTANT:

To increase the accuracy when using AST, rub the puncture site more than 20 seconds before extracting blood.

System Specifications

Before meal/After meal setting YES	
Before mean After mean setting TES	
Alarm setting YES (4 alarms)	
Neonatal Testing YES (for healthcare professional only)	
Assay Method Electrochemical biosensor	
Test Sample Capillary Whole Blood	
Test Result Referenced to plasma glucose value	
Alternative Site Testing YES (palm, forearm, upper arm, calf, or the strength of the strength	high)
Sample Size 0.7 µL	
Measuring Time 5 seconds	
Measuring Range 20~600 mg/dL (1.1~33.3 mmol/L)	
Acceptable Hematocrit Range 20~60%	
Operating Condition 10°C~40°C(50°F~104°F), between 10-85	5% R. H.
Storage/Transportation Condition 4°C~40°C(39°F~104°F), between 10-85%	% R. H.
Memory Capacity 450 test results with time and date	
Average Calculation 7, 14, 30, and 90 days(Before Meal and A	After Meal average)
Downloadable YES (USB port)	
Power Supply One 3-volt Lithium Battery (battery type C	CR2032)
Battery Life Approximately 1,000 tests	
Automatic shut-off In 3 minutes	
Meter Dimensions 92 x 59 x 15 mm	
Meter Weight 49 g (including battery)	

Display Messages And Problem-Solving Guide

The following is a summary of some display messages and symbols. These messages help to identify certain problems but do not appear in all cases when a problem has occurred.

Improper use may cause an inaccurate result without producing an error message. In the event of a problem, refer to information under "action to take"

DISPLAY	DESCRIPTION	ACTION TO TAKE
8738 88 mg/d 888 M ● # 0 0 0 0 d d ■	Display check	If some parts of the display are not working. Contact your local distributor for help.
⊕ 11-13 830** • ∴←ema	Blinking Blood	The meter is ready for blood applying into test strip.
€HFB 838 ^M	Test result with ⊚ sign	Appears when result falls in 70-120 mg/dL (3.9 - 6.7 mmol/L).
920 • 320 • 838**	Test result with ⊚ sign	Appears when result is lower than 70mg/dL (3.9 mmol/L) or higher than 180 mg/dL (10 mmol/L)

High or low blood glucose levels can indicate a possibly serious Test result is higher than medical condition. If this is not 600 mg/dL (33.3 mmol/L). confirmed by the way you feel, mg/dL review proper testing procedure 0-11-13 8:30^w and perform a control test. Test result is lower than 20 Repeat blood test, if the display LO mg/dL (1.1 mmol/L). still appears, please call medical assistance immediately. Memory deleted Deleting is complete. There is no test memory in the No memory 2 Low battery Replace battery soon. Dead battery Replace battery now.

r Co	Temperature is below the operating range.	The meter is not working. Move to an area with temperature between 10°C to 40°C (50°F	
ŧ H	Temperature is above the operating range.	- 104°F) and wait at least 30 minutes. Do not artificially heat or cool the meter.	
nzēq	Used strip, moistened strip, or defective meter.	You have to : 1. Repeat test with a new test strip. 2. Contact your local distributor for help.	
No responses when the test strip is inserted into the meter.	Maybe: 1. Battery is dead. 2. Wrong test strip is inserted. 3. Meter is defective.	You have to: 1. Replace battery. 2. Insert the test strip correctly. 3. Contact your local distributor for help.	
No responses when blood sample is applied to the test strip.	Maybe: 1. Blood sample is not sufficient. 2. Meter is defective.	You have to: 1. Repeat test with sufficient sample. 2. Contact your local distributor for help.	