

EASYMAX[®]

MU Self-Monitoring Blood Glucose System

User's Manual



**Please read this User's Manual thoroughly before
using your blood glucose meter.**

Dear **EASYMAX[®] MU SMBG System User,**

Thank you for choosing the **EASYMAX[®] MU Self-Monitoring Blood Glucose (SMBG) System**. We designed this system to be reliable, use-friendly and efficient to help you monitor your blood glucose on a regular basis.

Please read this manual thoroughly before you begin testing. This manual provides you and your diabetes care team with important information and step-by-step direction to use the **EASYMAX[®] MU Self-Monitoring Blood Glucose System**.

Once again, thank you for choosing the **EASYMAX[®] MU SMBG System**.

Intended Use

The **EASYMAX[®] MU Self-Monitoring Blood Glucose Test System** is intended for the quantitative measurement of glucose in fresh capillary whole blood and venous blood from fingertip, palm and forearm. Testing is done outside the body (*In Vitro* diagnostic use). It is indicated for self-testing (over the counter [OTC]) by persons with diabetes, or in clinical settings by healthcare professionals, as an aid to monitor the effectiveness of diabetes control. The system is not for the diagnosis of or screening for diabetes mellitus, and that alternate site testing can only be used during steady-state blood glucose conditions.

Standard Accessories

Your new **EASYMAX[®] MU** Blood Glucose Meter and accessories work together to measure the amount of glucose in your blood. The system includes:

- **Blood Glucose Meter**
- **Alkaline Battery (2 ct.)**
- **Lancets (10 pcs)**
- **Lancing Device**
- **User's Manual**
- **Warranty Card**
- **Carrying Case**

Optional Accessories

- **AST Lancing Device Cap**
- **Blood Glucose Test Strips (25 pcs)**
- **Level 1 Control Solution**
- **Level 2 Control Solution**
- **Level 3 Control Solution**



EASYMAX[®] Control Solutions and Blood Glucose Test Strips are available.
For purchase, please contact your local dealer.

Why is it so important to test blood glucose regularly?

Testing your blood glucose regularly can make a big difference in how you manage your diabetes every day. We have made this SMBG system as simple as possible to help you use it regularly. Your meter is easy to use, and you can adjust the lancing device for your comfort.

Do you need help?

If you have questions or need assistance, please contact your healthcare professional or visit **EASYMAX**[®] Website www.easymaxdiabetescare.com for diabetes management tools and product demonstrations.



Although the EASYMAX[®] MU SMBG System is easy to use, you may need to consult with your healthcare professional (this may be your doctor, pharmacist or diabetes nurse educator) for instructions on how to use the system. Only the correct use of the system will ensure accurate results.

Important Information about Your New EASYMAX[®] MU

- **EASYMAX[®] MU** Blood Glucose Meter is designed and approved for testing fresh capillary whole blood and venous blood samples from your fingertip, palm and forearm. The meter is for *in vitro* diagnostic use ONLY (for testing outside the body). It should not be used to diagnose diabetes.
- **EASYMAX[®] MU** Blood Glucose Meter can only be used with **EASYMAX[®]** Blood Glucose Test Strips. Other test strips will give inaccurate results.
- Testing is VALID for neonatal blood specimens.
- Do not disassemble the meter as this may cause damage to the components resulting in incorrect readings. Disassembling the meter will also void the warranty.
- Always keep the meter clean and store it in a safe place. Protect the meter from direct sunlight to ensure a longer lifespan.
- You should not store the meter and test strips in a car, bathroom, or refrigerator.
- Keep the meter, test strips and lancing device away from children and pets.
- You should not test critically ill patients with home-use blood glucose meters.
- Incorrect results may occur when performing the test. If you believe you are not feeling well, please contact your healthcare professional.
- Remove batteries if the meter will not be used for one month or more.

- Please dispose device according to the local rule of the disposition of electronic device / accessory waste.
- Warning for potential biohazard: Healthcare professionals using this system on multiple patients should be aware that all products or objects that come in contact with human blood, even after cleaning, should be handled as if capable of transmitting a viral disease.
- Consult with your healthcare professional before testing on your fingertip, palm or forearm.

Health-Related Information

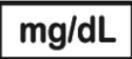
- If you are experiencing dehydration, frequent urination, have low blood pressure, in shock or hyperosmolar hyperglycemic nonketotic coma (HHNKC), you may get a test result that is lower than what your blood glucose really is. If you think you are dehydrated, call your healthcare professional right away.
- If you have followed the steps in the user's manual, but still have symptoms that do not seem to match your test results, or if you have questions, please contact your healthcare professional.
- Please read your test strip instructions carefully for additional health-related information.



Warning for potential biohazard

Healthcare professionals using this system on multiple patients should handle all products or objects in contact with human blood carefully to avoid transmitting viral disease, even after cleaning.

Explanation of Symbols

	Consult instructions for use		Caution
	Batch code		Do not reuse
	<i>In vitro</i> diagnostic medical device		1.5V(AAA) x 2 batteries only
	Use by		Temperature limitation
	Manufacturer		Catalogue number
	Serial number		Control
	Sufficient for		Authorized representative in the European Community
	Blood glucose test result in mg/dL		Keep away from sunlight
	Green Dot / Duales System Deutschland GmbH (DSD)		This product meets the requirements of Directive 98/79/EC <i>in vitro</i> diagnostic medical devices

Explanation of Meter Symbols



	Date (on the left side)		User-flagging (patient number)
	Time (on the right side)		Apply Control Solution
AM	AM (Before Noon)		Apply blood
PM	PM (After Noon)	mmol/L mg/dL	Unit
	Result / Message		Battery
	Insert a strip		Temperature

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Chapter 1: Understanding Your Meter

The EASYMAX[®] MU Blood Glucose Meter

Test Strip Slot-
Insert test strip here.

Display-
Show results, patient numbers, and messages.

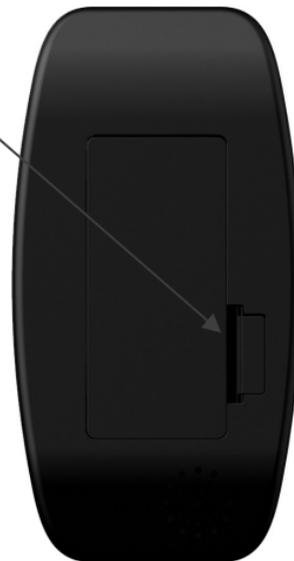
Power Button-
Press to turn on/off the meter, and to confirm the setting.

Left (◀) Button-
Press to enter memory, adjust setting, and scroll through results.

Strip Ejector-
Push the Strip Ejector to remove the strip.

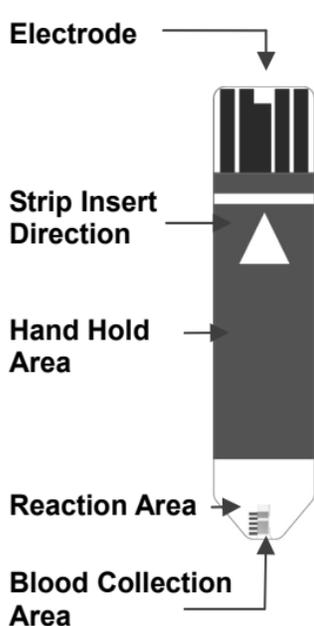
Battery Door-
Flip open the battery door by pushing the tab in the direction of the arrow and pulling the door up.

Right (▶) Button-
Press to enter memories, adjust setting, and scroll through results.



The EASYMAX[®] Blood Glucose Test Strip and Accessories

Blood Glucose Test Strip



Test Strip Bottle Control Solution Bottle



Expiration Date

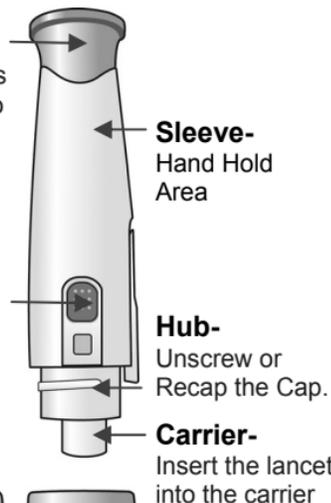
AST Lancing Device Cap - (Optional)

Use this transparency cap for AST testing

Lancing Device

Sliding barrel - Pull on until it clicks and then release to enable lancing device.

Trigger button - Press the trigger button to activate the lancing device



Adjustable tip - Select the desired penetration depth

Inserting Batteries



1. Open the battery door on the back of the meter by pushing the tab in the direction of the arrow and pulling the door up.
2. Insert two batteries. The meter will beep to confirm the batteries are inserted correctly.
3. Put the battery door back in place and snap it closed.

Setting the Time, Date and Medical Record — First Time Use

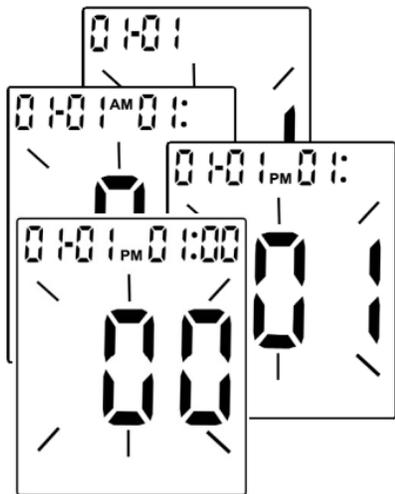
Setting the current time and date in your meter is important if you use the meter memory.



1. Press  (Power Button) and hold the button until the meter turns on.
2. Press  (Right Button) for 2 seconds to get into the setting mode.
3. The screen display flashes the last 2-digits of the year. Press  (Left Button) or  (Right Button) to adjust the year and press  (Power Button) to confirm the setting.



1. When you replace the battery, the meter will enter setting mode automatically.
2. Setting the correct time and date in your meter is important if you do use the meter memory.



4. Repeat step 3 to set the date and time.
The flashing field is the one you are currently setting.

5. Press ◀ (Left Button) or ▶ (Right Button) to turn on/off the user-flagging and press ⏻ (Power Button) to confirm the setting.



1. When the function of **[M]** is on, it allows you to keep testing records of multiple users separate by marking them from 001-999.
2. The meter defaults to the medical record function being “OFF”. Press ▶ (Right Button) to reset this function.

Using **EASYMAX[®]** Blood Glucose Test Strips

- Use only with **EASYMAX[®] MU** Blood Glucose Meter.
- Keep the test strips in their original bottle.
- After you take a test strip out of the bottle, close the bottle immediately.
- Use the test strip within 3 minutes after taking it out of the bottle.
- The test strip is for single use only. Do not reuse it.
- Write down the date on strip bottle when the strip bottle is first time opened. Be sure to check the expiration date on the test strip bottle. The test strip will be expired either in six months after the date of the bottle is opened or till the expiration date printed on the bottle.
- Store the test strip bottle and your meter in a shady and arid place.
- Store the test strips between 2°C - 30°C (36°F - 86°F). Do not freeze.
- Do not apply blood or control solution to the test strip before you insert it into the meter.
- Do not touch the test strip with wet hands. Do not bend, cut, or twist the test strips.
- **EASYMAX[®] MU** Self-Monitoring Blood Glucose Test System is a “no code” system and does not require any meter calibration.

Chapter 2: Control Solution Testing

Why Run A Control Solution Test

We recommend that you run the **EASYMAX[®]** Level 2 control test because it lets you know that your meter and test strips are working properly to give reliable results. You should run the control solution tests when:

- You think the meter or test strips may be working incorrectly.
- You drop the meter.
- You have repeated a test and the test results are still lower or higher than expected.



Professional users are instructed to follow federal, state, and local guidelines.

About The Control Solutions

- Use with **EASYMAX**[®] Test Strips.
- Write the date you opened the control solution bottle on the bottle label. The control solutions are good for three months from the date the bottle is opened or until the expiration date on the bottle, whichever comes first.
- Do not use a control solution that is past the expiration date.
- Control solutions can stain clothing. If you spill it, wash your clothes with soap and water.
- Close the bottle tightly after every use.
- Left over control solution should not be added back into the control bottle.
- Store control solution at room temperature, between 2°C - 30°C (36°F - 86°F). Do not freeze.
- If you would like to purchase **EASYMAX**[®] Control Solutions, please contact your local dealer.

Running A Control Solution Test

You need the meter, a test strip, and control solution.



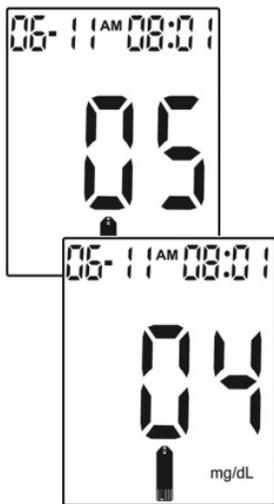
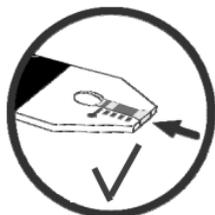
1. Put a test strip into the meter in the direction of the arrow. If the User-flagging function is off, proceed to Step 2. If the function is on, pick your control solution medical record number.

2. Press ◀ (Left Button) to select the mode of Control Solution, and the icon of  flashes.

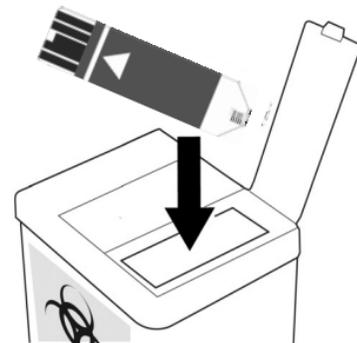
3. Place the meter on a flat surface, like a table.
4. Remove the control solution bottle cap and wipe the tip of the bottle with a tissue.
5. Squeeze the bottle until a tiny drop forms at the tip of the bottle and place solution on top of bottle cap.



If the Patient Medical Record is on, it does not matter which record number you select if you flag the result as a control solution test. The result will be displayed in the meter's memory as a control solution test.



Strip Ejector



6. Touch the drop to the blood collection area at the tip of the test strip.
Do not put control solution on the top of test strip.
The meter starts to count down from 5 seconds and will show the results.

7. Do not remove the test strip until you confirm that the reading falls within the range printed on the test strip vial.

8. Push the Strip Ejector to eject the test strip.
9. Dispose properly.

Understanding Control Solution Test Results

The label on your test strip bottle shows the acceptable ranges for the Control Solutions. The result you get should be inside the acceptable range for the appropriate control solution level. Make sure you compare the result to the correct level of control.

When the control solution result is inside the range on the test strip bottle, your test strips and your meter are working properly.

If your control solution result is not inside the acceptable range (printed on your test strip bottle), here are some things you can do to solve the problem:

Troubleshooting Check

- ✓ Was the test strip exposed to open air for a long period of time?
- ✓ Does test strip cap close tightly? Or was test strip cap left open?
- ✓ Is the meter functioning well?
- ✓ Is the control solution expired or contaminated?
- ✓ Were test strips and control solutions stored in cool, dry places?
- ✓ Did you follow the testing steps properly?

Action

If yes, repeat the control test with properly stored strips.

If the cap was not tight, or the bottle was left uncapped, open a new bottle of test strips. Do not reuse the strips from the affected bottle.

You can use the control solutions to verify the meter's functions.

If yes, replace with a new control solution to check the performance of SMBG system.

If no, repeat the control test with properly stored strips or control solutions.

Read Chapter 2 "Control Solution Testing" and test again. Stop using the meter if you continue to obtain the inaccurate results. If you have questions or need assistance, please contact your local dealer.

Chapter 3: Testing Your Blood Glucose

Using The Lancing Device

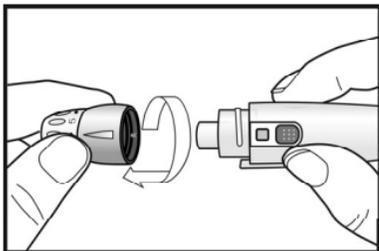
- The best depth setting is the lowest number that draws enough blood for a test. Try different settings to find the one that's right for you.
- Please do not share your lancing device with anyone. And always use a new, sterile lancet. Lancets are for one time use only.



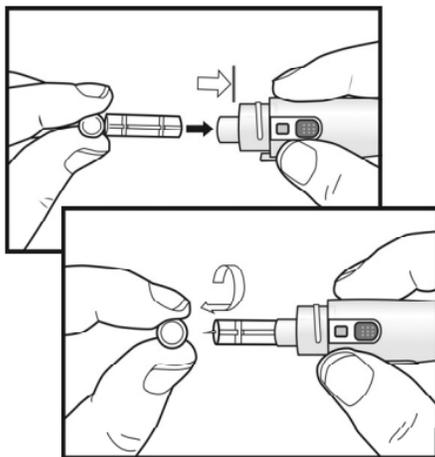
Used test strips and lancets are considered bio-hazardous waste in accordance with local regulations and should be handled as if capable of transmitting infection. Users may discuss methods for disposing of used test strips and lancets with their healthcare professional.

Inserting A Lancet Into The Lancing Device

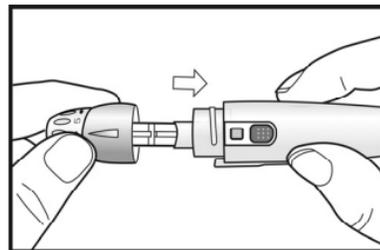
You must first load the lancet into the lancing device to get it ready for use.



1. Unscrew the Cap.



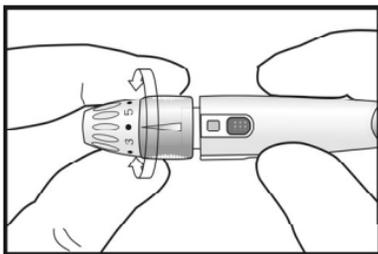
2. Insert the lancet into the lancing device firmly then twist off the protective cover.



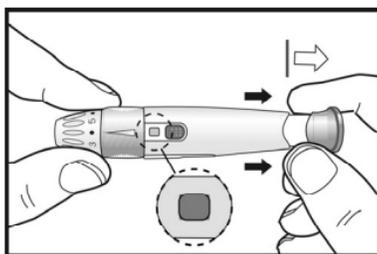
3. Recap the front cap.



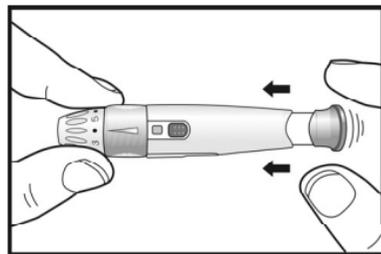
Lancets are for use only and a new, sterile lancet should be used each time you perform a test.



4. Select the desired penetration depth.



5. Pull on the sliding barrel of the lancing device until it clicks and then release.
Now the lancing device is ready.
Do not prick your finger until your meter and strip are prepared.

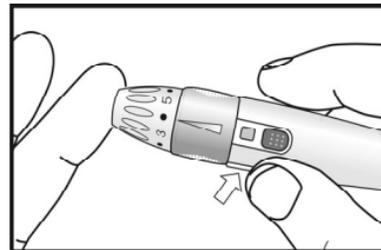
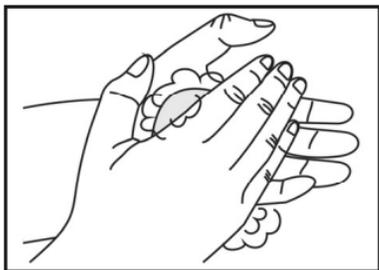


6. Set the lancing device aside until later in the test.



- 1.** Select 1-2 for soft or thin skin, 3-5 for average, and 6-7 for thick or calloused skin.
- 2.** Lancing device and lancets are not to be shared between users. Sharing lancing devices and lancets may transmit blood borne pathogens, such as viral hepatitis.

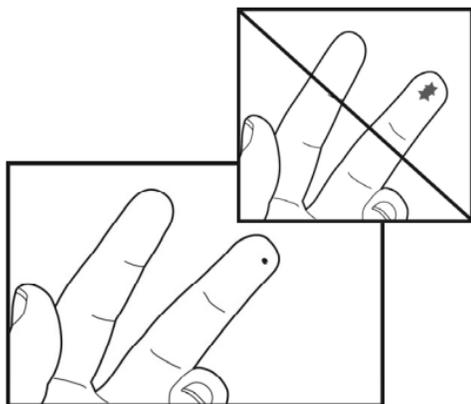
Running A Blood Glucose Test With Blood From Your Fingertip



1. Wash your hands with soap and warm water. Rinse and dry thoroughly. A new pair of clean gloves should be worn by the user before testing each patient.
2. Insert a test strip into the meter in the direction of the arrow. The meter turns on and the icon  shows automatically.
3. Press ◀ (Left Button) or ▶ (Right Button) to set a Patient number and press  (Power Button) to confirm the setting (only if **M** function is on).
4. Place the lancing device against the pad of your finger. Press the trigger button to activate the lancing device.

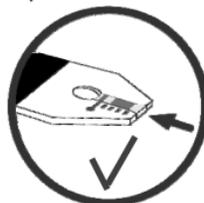


If the function of **M** is on, and you do not choose a medical record number before applying blood, the test result will be recorded under **M 000**.



5. Gently squeeze and/or massage your fingertip until a round drop of blood on your fingertip.

Apply blood to the edge of the test strip.



Do not apply blood on top of the test strip.



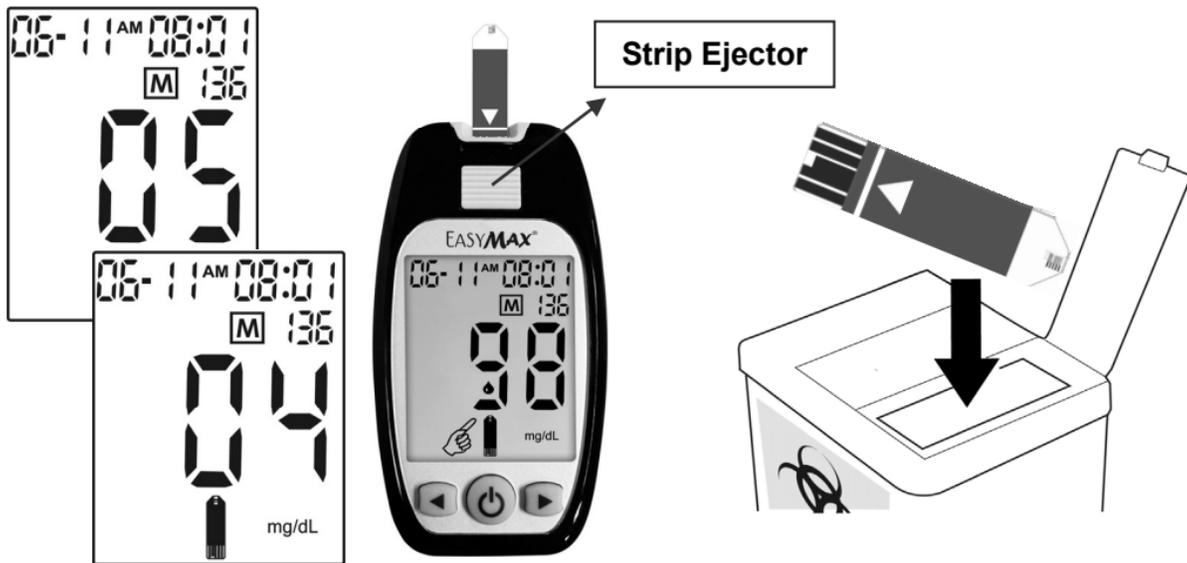
Be sure to get enough blood on strip to make it to the confirmation window.

Not enough blood on strip to get a test result.

6. Touch the blood drop at the tip of the transparent window of the test strip. **Do not put blood on top of the strip.** Be sure to get enough blood on the strip's reaction zone. Otherwise, an error code will appear.



Please make sure to apply blood when the blood drop flashed on the display.



7. The meter starts to count down from 5 seconds and then displays the test result.
8. Push the Strip Ejector to eject the test strip & dispose of both strip & lancet properly.
9. After discarding, wash hands thoroughly with soap and water. Rinse and dry thoroughly.
10. Clean and disinfect the meter following the instruction in Chapter 5.
11. Change gloves between patients.

Alternate Site Testing (Optional)

Understanding Alternate Site Testing (AST)

What is AST?

Besides the fingertip, you can test your forearm or palm.

What is the advantage of AST?

You have the option of testing other places on your body besides the fingertip.

Consult your healthcare professional before you begin using the forearm or palm for testing. Blood glucose test results obtained from your forearm or palm may differ significantly from fingertip samples. **We strongly recommend that you:**

Do AST ONLY in the following intervals:

- In a pre-meal or fasting state (more than 2 hours since the last meal).
- Two hours or more after taking insulin.
- Two hours or more after exercise.

Do NOT use AST if:

- You think your blood glucose is low.
- You are unaware of hypoglycemia.
- Your AST results do not match the way you feel.
- You are testing for hyperglycemia.
- Your routine glucose results are often fluctuating.

Fingertip test only:

- If sick
- If blood glucose is low
- After exercising
- Two hours or less after eating
- When you have just taken insulin
- After injecting rapid-acting insulin (two hours or less)
- If you often do not notice when your blood glucose is low, do a fingertip test.

AST Results:

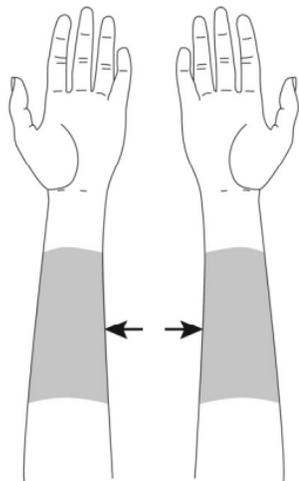
- If the blood glucose test result from the alternate site test does not match how you feel, do a fingertip test to confirm the result again.
- Do NOT change your treatment just because of *an alternate site* result, do a fingertip test to confirm the result.



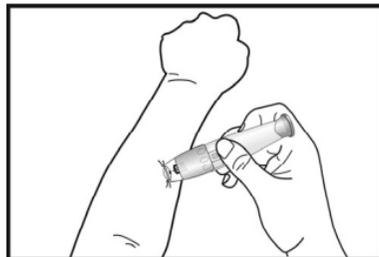
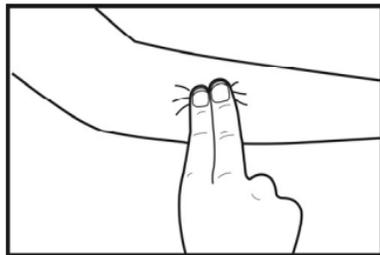
- Talk with your healthcare professional before you test with your fingertip, palm or forearm.
- Do NOT ignore symptoms of high or low blood glucose.
- Fingertip samples are able to show the rapid change of glucose faster than forearm samples.
- Do NOT change your treatment just because of a result.

Running A Blood Glucose Test With Blood From Your Forearm (Optional)

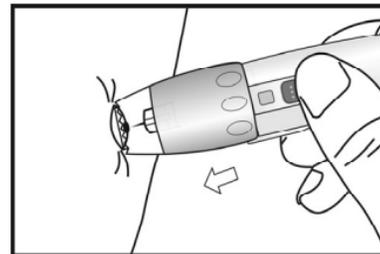
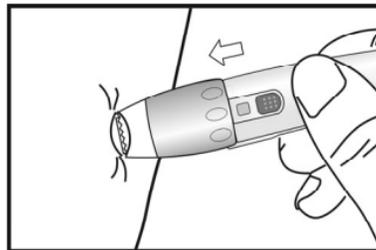
Please use the clear cap with the lancing device for AST testing.



1. Massage the puncture area of forearm for a few seconds.



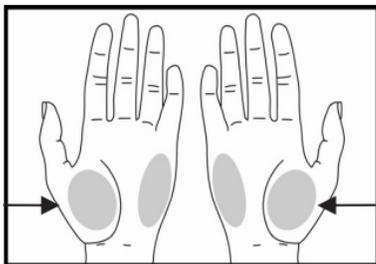
2. Press and hold the device with clear adjustable tip against the forearm.



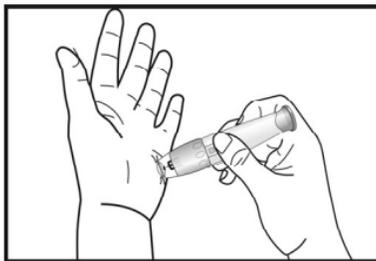
3. Press the trigger button to activate the lancing device.

4. Hold the device against forearm and increase pressure until the blood sample size is sufficient.

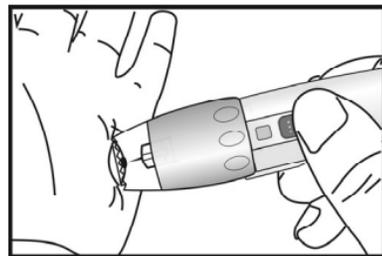
Running A Blood Glucose Test With Blood From Your Palm (Optional)



1. Massage the puncture area of palm for a few seconds.



2. Press and hold the device with one clear adjustable tip against the palm.

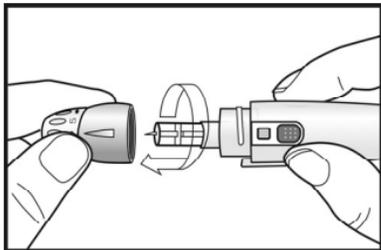


3. Press the trigger button to activate the lancing device.
4. Hold the device against palm and increase pressure until the blood sample size is sufficient.

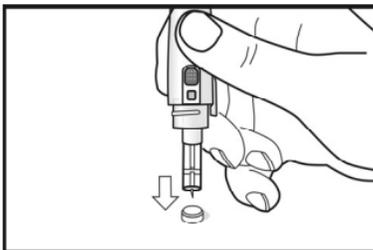


Check with your healthcare professional before testing other sites than fingertip.

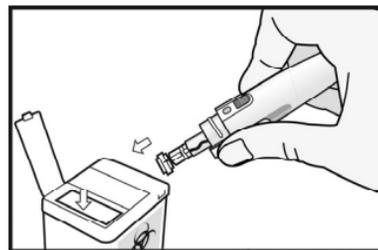
Discarding Used Lancets



1. Unscrew and remove the cap.



2. Without touching the used lancet, stick the lancet tip into its protective cover.



3. Pointing the lancing device toward a container for sharp or biohazard material, slide the ejection button down to release the covered lancet into the container.

Understanding Your Test Results

The **EASYMAX**[®] Blood Glucose test strips are plasma referenced and calibrated for easier comparison to lab results. The normal fasting blood glucose range for non-pregnant adults with diabetes is 70-130 mg/dL (3.9~7.2 mmol/L)*. Two hours after meals, the blood glucose range for non-pregnant adults with diabetes is less than 180 mg/dL (10 mmol/L). For further queries about diabetes: please consult your healthcare professional for the blood glucose range appropriate for you.

* Reference: American Diabetes Association. Standards of medical care in diabetes. Diabetes care. 2013; Vol. 36, Suppl 1, S21.

Unusual Test Results

If your test result does not match the way you feel, please follow these steps:

1. Run a control test, Chapter 2, "Control Solution Testing."
2. Repeat a blood glucose test, Chapter 3, "Testing Your Blood Glucose."
3. If your test results still do not reflect the way you feel, call your healthcare professional immediately.



1. **Extremely high humidity may affect the test results. A relative humidity greater than 90% may cause inaccurate results.**
2. **Hematocrit below 20% may cause higher results. Hematocrit above 60% may cause lower results.**
3. **Some studies have shown that electromagnetic fields may affect results. Do not test near an operating microwave oven.**

Symptoms Of High Or Low Blood Glucose

Being aware of the symptoms of high or low blood glucose can help you understand your test results and decide what to do if they seem unusual. Here are the most common symptoms:

Greater than 240 mg/dL (13.3 mmol/L)

What It Means:

The test result is higher than reference normal range. (70-130 mg/dL or 3.9-7.2 mmol/L)

Symptoms:

Fatigue, increased appetite or thirst, frequent urination, blurred vision, headache, general aching, or vomiting.

What to Do:

- If you are experiencing any of these symptoms, test your blood glucose.
- If the result displayed is greater than 240 mg/dL (13.3 mmol/L) and you have symptoms of high blood glucose, contact your healthcare professional instantly.
- If the result does not match how you feel, follow the steps under "Unusual Test Results."

Below 60 mg/dL (3.3 mmol/L)

What It Means:

The test result is lower than reference normal range. (70-130 mg/dL or 3.9-7.2 mmol/L)

Symptoms:

Sweating, trembling, blurred vision, rapid heartbeat, tingling, or numbness around mouth or fingertips.

What to Do:

- If you are experiencing any of these symptoms, test your blood glucose.
- If the result displayed is below 60 mg/dL (3.3 mmol/L) and you have symptoms of low blood glucose, contact your healthcare professional instantly.
- If the result does not match how you feel, follow the steps under "Unusual Test Results."

Comparing Your Meter Result To A Lab Result

A common question is how the blood glucose results on your meter compare to the lab results. Your blood glucose can change quickly, especially after eating, taking medication, or exercising. If you test yourself in the morning, then go to the doctor's office for a blood glucose test. The results will probably not match, even if you are fasting. This is typically not a problem with your meter, it just means that time has elapsed and your blood glucose has changed.

If you want to compare your meter result to the lab result, you must be fasting. Bring your meter to the doctor's office, and test yourself by fingertip within five minutes of having blood drawn from your arm by a healthcare professional. Keep in mind that the lab could use different technology than **EASYMAX[®] MU** Blood Glucose Meter, and that blood glucose meters for self testing generally read somewhat lower or higher than the lab result.

In comparison to the YSI, EASYMAX[®] met the EN ISO 15197:2013 standard, whereby 95% of the blood glucose values measured must lie within the following ranges: either ± 15 mg/dL (± 0.83 mmol/L) of the measured average value when using the reference measuring procedure for blood glucose concentrations < 100 mg/dL (< 5.55 mmol/L) or $\pm 15\%$ for blood glucose concentrations of ≥ 100 mg/dL (≥ 5.55 mmol/L). 99% of the individual measured blood glucose values must fall within zones A and B of the Consensus Error Grid (CEG) for diabetes type 1.

For accuracy and precision data and for important information on limitations, see the instructions that come with your test strips.

Chapter 4: Meter Memory, Setup

Memory, Storing Test Results

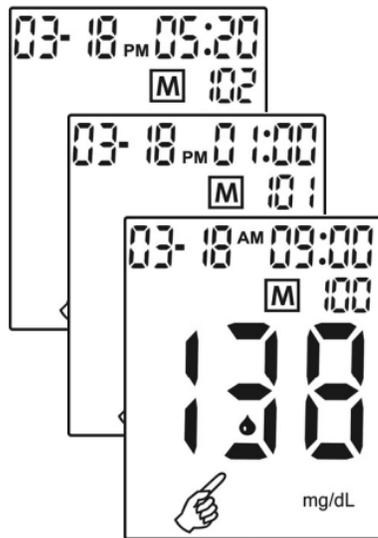
Your meter stores a maximum of 480 test results with the time and date of the test. You can review them at any time. When the memory is full, the oldest result is dropped as the latest is added, so it is very important to have the correct time and date set in the meter.



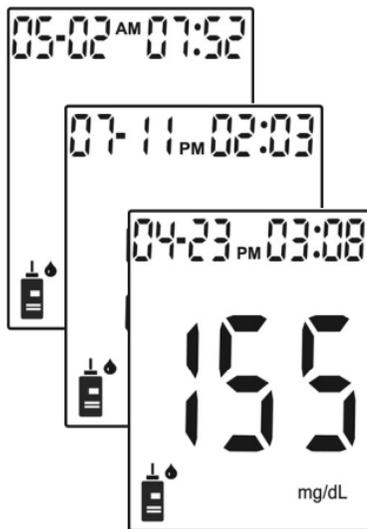
- 1. Do not change your therapy based on one individual result in memory.**
- 2. The memory is not lost when you replace the battery. You do need to check that the time and date are still correct. See Section "Setting The Time And Date" in Chapter 1.**
- 3. Once 480 results are in memory, adding a new result causes the oldest one to be deleted.**

Viewing And Deleting Test Results

Each review requires the user to go back to the main screen (testing mode) by pressing the  (Power Button).



1. Press ◀ (Left Button) or ▶ (Right Button) to view the test results of each patient's number.



2. The test results of control solution shows without Patient's numbers.



3. To delete a test result, press ◀ (Left Button) for more than 2 seconds and display shows "dEL", press  (Power Button) to confirm deletion.
4. Press ◀ (Left Button) or ▶ (Right Button) to keep reviewing the results.

Running With Your Computer

To Transfer data, the meter can be turned on or turned off.



1. Use the USB cable to connect to the meter and your computer. The display shows **"PC"**.



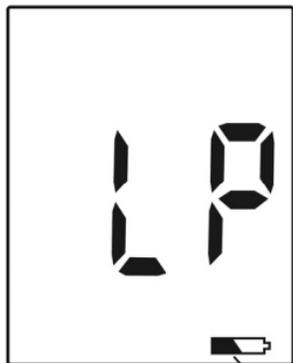
2. The meter starts to transfer data to the GlucoManager™ software.



3. When all data is uploaded from the meter to the PC, the meter shows **"OK"** and beeps.

Chapter 5: Maintenance And Troubleshooting

Inserting Batteries



The meter uses two alkaline 1.5V (AAA) batteries. Batteries will normally last for more than 2000 tests. Other types of 1.5V (AAA) batteries are also acceptable, but the capacity of test times may differ. Insert the batteries when you first use the meter or replace with new batteries when the “LP” (Low Power) message and the low battery symbol appear on the display.

The meter will not turn on the first time batteries are inserted.

Please press and hold  (Power Button) or insert the test strip to turn your meter on.

The meter will turn off automatically. Or you can press and hold  (Power Button) to turn your meter off.

Low battery symbol

- 1. The meter won't delete earlier records after you replace batteries.**
- 2. You should reset the time and date again after you replace batteries. See Section "Setting The Time And Date " in Chapter 1.**
- 3. 1.5V (AAA) x 2 batteries are available at most stores. You may take the old batteries with you for replacement.**
- 4. Remove batteries when you will not be using the meter for one month or more.**

Cleaning Your Meter

Caring for your **EASYMAX[®] MU** SMBG system does not require special cleaning. Please keep the meter free of dirt, dust, bloodstain, and water stains. Follow these guidelines carefully to help you get the best performance possible:

Do:

- Make sure the meter is turned off.
- Gently wipe the meter's surface with a soft cloth slightly dampened with ethanol (70~75%).

Do Not:

- Get any moisture in the test strip slot.
- Spray any cleaning solution directly onto the meter.
- Put the meter under water or liquid.
- Pour liquid into the meter.

Cleaning Your Lancing Device

- To clean the lancing device, wipe it with a soft cloth dampened with water and mild detergent.
DO NOT place the entire device under water.
- To disinfect the cap after cleaning, place it in 70%-75% rubbing alcohol for 10 minutes at least once a week. Allow the cap to air-dry after disinfecting.

Maintenance And Testing



Your meter needs little or no maintenance with normal use. It automatically tests its own systems every time you turn it on and lets you know if something is wrong. (See "Screen Messages" and what to do about them.)

To make sure the display is working properly, turn off the meter. Press and hold  (Power Button) to see the complete display. All the indicators should be clear and look exactly like the picture to the left. If not, please contact your local dealer.

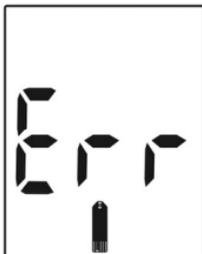
Screen Messages And Troubleshooting

Never make treatment decisions based on an error message. If you have any concerns, please contact your local dealer or healthcare professional.

Message

What it means?

What to do?



Humidified / Used strips

The meter has detected a problem with the test strip.

Repeat the test with a new strip.

Refer to pages 27-29 for information on sample application.



Low power

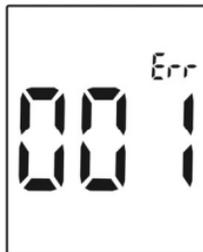
The meter batteries do not have enough power to perform a test.

Replace the new batteries.

Message

What it means?

What to do?



System error

There may be a problem with the meter.

Replace the batteries first.

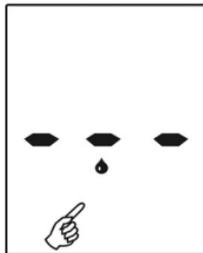
Refer to page 14 and 41. If this error message (**Err 001**) appears again, please contact your local dealer.



Memory Error

Replace the batteries first.

If **ERROR 005** appears again, please contact your local dealer.



No result in memory.

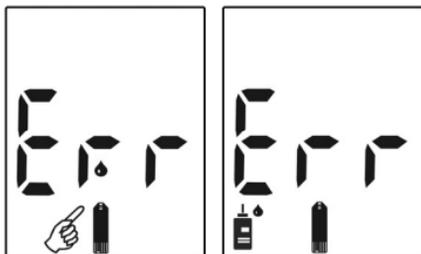
The test proceeds incompletely. The meter was unable to recall this result.

You can still perform a blood glucose test and get an accurate test result.

Message

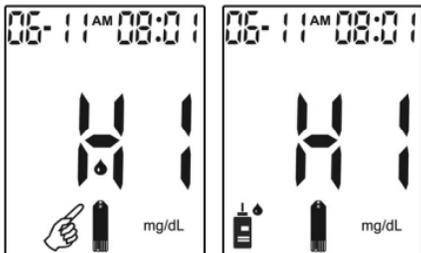
What it means?

What to do?



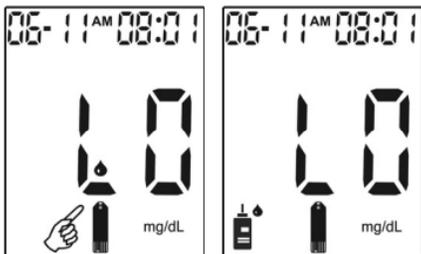
Volume detector error
The volume of blood or control solution is NOT enough.

Replace with a new strip.
If **Err** appears again, please contact your local dealer.



Test result is higher than 630 mg/dL (35.0 mmol/L).

Re-check your glucose level.
If the result is HI again, obtain and follow instructions from your healthcare professional without delay.



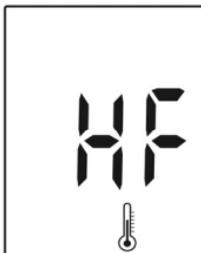
The test result is lower than 20 mg/dL (1.1 mmol/L).

This may require immediate treatment according to your healthcare professional's recommendations. Although this message could be due to a test error, it is safer to treat first and then do another test.

Message

What it means?

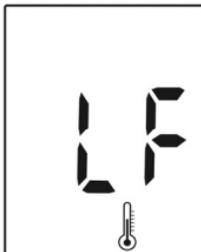
What to do?



The “HF” and thermometer icon appears. Temperature is too high, outside the required range of 10°C - 40°C (50°F - 104°F).

This alerts users that an incorrect result may occur if the test continues.

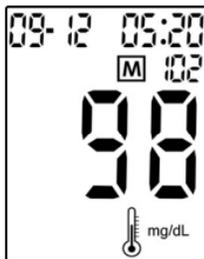
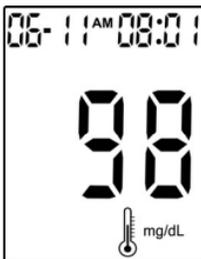
Relocate the meter to a location with temperature between 10°C - 40°C (50°F - 104°F).



The “LF” and thermometer icon appears. Temperature is too low, outside the required range of 10°C - 40°C (50°F - 104°F).

This alerts users that an incorrect result may occur if the test continues.

Relocate the meter to a location with temperature between 10°C - 40°C (50°F - 104°F).



Abnormal blood sample

Blood exposed to air for too long, or excessive tissue-fluid mixed in the blood by too much squeezing.

Repeat the test with a new strip. If the icon of “” appears again, please contact your local dealer.

Chapter 6: Technical Information

Specifications

Brand name	EASYMAX[®] MU Blood Glucose Meter	
Range	20~630 mg/dL (1.1~35.0 mmol/L)	
Test time	5 seconds	
Memory sets	480 test results	
Operating condition	Temp.	10°C - 40°C (50°F -104°F)
	Relative Humidity	R.H. \leq 90%
Storage and transportation condition	Temp.	-20°C - 50°C (-4°F-122°F)
	Relative Humidity	R.H. \leq 90%
Blood sample	0.6 μ L	
	Fresh blood from fingertip, palm, or forearm	
Hematocrit (Hct)	20~60%	
Power	2 Alkaline 1.5V (AAA)	
Battery life	Over 2000 tests	
Display dimension	1.4 x 1.7 inches (35.0 x 43.0 mm)	
Device dimension H x W x D (mm)	3.7 x 2.0 x 0.8 inches (94 x 50 x 19.5 mm)	
Weight	1.68 oz. without batteries (47.7 \pm 1 gram)	
Principles	Electrochemical biosensor technology	
Software via USB	GlucoManager TM	

Limitations

The test strips are used for venous blood or fresh capillary whole blood samples.

1. DO NOT use serum or plasma sample.
2. DO NOT use anticoagulant NaF or potassium oxalate for venous sample preparation.
3. Extreme humidity may affect the results. A relative humidity greater than 90% may cause incorrect results.
4. The system should be used at temperatures between 10°C and 40°C (50°F and 104°F). Outside this range, the system may get incorrect results.
5. DO NOT reuse the test strips. The test strips are for single use only.
6. Hematocrit: The hematocrit between 20% and 60% will not affect the results. Hematocrit below 20% may cause higher results. Hematocrit above 60% may cause lower results.
7. Altitude up to 3,048 meters above sea level has no effect on readings.

Healthcare Professionals – Please note these additional Limitations

1. If the patient has the following conditions, the result may fail:
 - ◆ Severe dehydration
 - ◆ Severe hypotension (low blood pressure)
 - ◆ Shock
 - ◆ A state of hyperglycemic-hyperosmolar state (with or without ketosis)
2. Lipemic samples: Cholesterol level up to 500 mg/dL (12.92 mmol/L) and triglycerides up to 3,000 mg/dL (33.6 mmol/L) do not affect the results. Grossly lipemic patient samples have not been tested and are not recommended for testing with **EASYMAX[®] MU** Blood Glucose Meter.
3. Critically ill patients should not be tested with **EASYMAX[®] MU** Blood Glucose Meter.

- DO NOT use during xylose absorption testing. Xylose in the blood will interfere Self-Monitoring Blood Glucose System.
- Interfering Substances depend on the concentration. The below substances up to the test concentration will not affect the test results.

Bias		Glucose Level	80 mg/dL (4.4 mmol/L)	250 mg/dL (13.9 mmol/L)	500 mg/dL (27.8 mmol/L)
			Concentrations of the interference tested		
Ascorbic Acid	4 mg/dL (0.26 mmol/L)	10.89%	-1.76%	4.55%	
Ibuprofen	50 mg/dL (2.43 mmol/L)	3.10%	2.88%	4.62%	
L-Dopa	1.8 mg/dL (0.09 mmol/L)	10.59%	7.91%	4.90%	
Sodium Salicylate	50 mg/dL (3.12 mmol/L)	-2.59%	9.42%	-0.84%	
Tetracycline	1.5 mg/dL (0.03 mmol/L)	-5.32%	3.81%	3.20%	
Tolbutamide	100 mg/dL (3.7 mmol/L)	-2.60%	12.30%	0.89%	
Bilirubin-unconjugated	2.4 mg/dL (0.04 mmol/L)	-2.52%	4.05%	-0.23%	
Uric acid	8 mg/dL (0.48 mmol/L)	2.71%	9.55%	-1.75%	
Xylose	4 mg/dL (0.27 mmol/L)	-5.12%	-1.64%	-4.44%	

Device Information

EASYMAX[®] MU SMBG System,
EASYMAX[®] Blood Glucose Test Strips,
EASYMAX[®] MU Blood Glucose Meter.



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EPS BIO TECHNOLOGY CORP.

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