

## Table of Contents

<b>What the EasyTouch® GCU system is for</b> .....	3
Important Information.....	4
<b>Items in the Package</b> .....	6
<b>Items that Need to be Purchased Separately</b> .....	7
<b>Getting to Know the EasyTouch® GCU Blood Glucose/Cholesterol/Uric Acid Multi-Function Monitoring System</b> .....	8
Test Strips.....	9
<b>Setting Up Your EasyTouch® GCU Multi-Function Monitoring System</b> .....	10
Setting Date and Time.....	10
Checking the Unit of Measurement.....	10
Installing Batteries.....	11
Using the Check Strip to Check the Meter.....	12
<b>Control Check with Glucose/Cholesterol/Uric Acid Control Solution</b> .....	13
When to Run a Control Check with Glucose/Cholesterol/Uric Acid Control Solution.....	13
Items You Need.....	13
Steps for Running a Glucose Control Check.....	14
Steps for Running a Cholesterol Control Check.....	16
Steps for Running a Uric Acid Control Check.....	18
How to Read the Label on the Test Strip Vial.....	19
Analyzing Your Control Results.....	20

<b>Blood Glucose/Cholesterol/Uric Acid Testing</b> .....	21
Items You Need.....	21
Preparing the Puncturer (Lancing Device).....	21
Structure of Puncturer and Lancet.....	22
Steps for Using the Puncturer.....	23
Testing Your Blood Glucose Level.....	24
Understanding Your Blood Glucose Test Results.....	26
Testing Your Blood Cholesterol Level.....	27
Understanding Your Blood Cholesterol Test Results.....	29
Testing Your Blood Uric Acid Level.....	30
Understanding Your Blood Uric Acid Test Results.....	32
<b>Using the Meter Memory</b> .....	33
Reviewing Stored Glucose Test Results.....	33
Reviewing Stored Cholesterol Test Results.....	34
Reviewing Stored Uric Acid Test Results.....	35
Deleting the Stored Memory of Blood Glucose/Cholesterol/Uric Acid Test Results.....	35
<b>Taking Care of Your Meter</b> .....	36
Maintaining the Meter.....	36
Replacing the Batteries.....	36
Cleaning the Meter.....	37
<b>Troubleshooting Guide</b> .....	37
<b>Specifications</b> .....	41
<b>Customer Service</b> .....	43
<b>Labeling and Information</b> .....	44

## What the **EasyTouch® GCU** system is for

- The self-testing **EasyTouch® GCU** Blood Glucose/Cholesterol/Uric Acid Multi-Function Monitoring System is designed for in vitro diagnostic use only (external use only). The system is for healthcare professionals and persons with diabetes, hypercholesterolemia, or hyperuricemia to quantitatively measure glucose, cholesterol, and uric acid values in fresh capillary whole blood from a finger stick. Frequent monitoring of whole blood glucose, cholesterol, and uric acid is an adjunct to the care of persons with diabetes, hypercholesterolemia, and hyperuricemia. Simply apply a drop of blood to the test strip, and the test result will be displayed on the screen in 6 seconds for glucose, 150 seconds for cholesterol, and 6 seconds for uric acid.
- The **EasyTouch® GCU** System is suitable for diabetes, hypercholesterolemia, and hyperuricemia management at home or professional use.
- The **EasyTouch® GCU** Meter can only be used with **EasyTouch® II** Blood Glucose Test Strips, **EasyTouch®** Blood Cholesterol Test Strips, and **EasyTouch® II** Blood Uric Acid Test Strips. The use of any other test strips may give incorrect results.
- Before using the products to test your blood glucose, cholesterol, and uric acid levels, read all the instructions carefully. It includes all the information you need to know in order to get the accurate blood glucose, cholesterol, and uric acid readings.
- Do not change your medical plan without a doctor's approval. The **EasyTouch® GCU** system should not be used for the diagnosis of diabetes, hypercholesterolemia, and hyperuricemia or for testing newborns.

## Important Information

- The following compounds in the blood at the given concentrations or higher can cause elevated results on each given test.

Compound	Glucose	Cholesterol	Uric Acid
Ascorbic Acid (Vitamin C)	>150 mg/dL	>5 mg/dL	>10 mg/dL
Amiloride	>20 mg/dL	X	X
Acetaminophen	>8 mg/dL	>15 mg/dL	>2 mg/dL
L-Dopa	>20 mg/dL	>1.25 mg/dL	>20 mg/dL
Dopamine	>20 mg/dL	>3 mg/dL	>5mg/dL
Methyl-Dopa	>4 mg/dL	>5 mg/dL	>0.3 mg/dL
Galactose	>400 mg/dL	X	X
Uric Acid	>10.5 mg/dL	X	X
Xylose	>50 mg/dL	X	X
Bilirubin	X	>20 mg/dL	>40 mg/dL
Creatinine	X	>20 mg/dL	>30 mg/dL
Glibenclamide	X	>10 mg/dL	>10 mg/dL
Ketoprofen	X	X	>300 mg/dL
Hematocrit	<30%, >55%	<30%, >55%	<30%, >55%

- Lipaemic samples, such as those with cholesterol up to 500 mg/dL or triglycerides up to 3000 mg/dL, have not been tested and are not recommended for testing with the **EasyTouch<sup>®</sup> GCU System**.
- Hematocrit levels, that is, the percentage of red blood cells in your blood, below 30% and higher than 55% was found to cause a higher or lower reading, respectively. No significant effect on the reading was found for hematocrit in blood samples between 30% and 55%.
- The monitoring system will not work properly at altitudes greater than 8,000 feet (2,438 meters) above sea level.
- The system is designed to use at temperatures between 14°C and 40°C (57.2°F and 104°F) and between 20 and 85% relative humidity. If you use the system outside the proposed conditions, it can give false results.
- Be sure to store the test strips between 4°C and 30°C (40°F and 86°F) and avoid direct sunlight.
- Be sure to follow your local regulations for proper disposal of used test strips and lancets.
- Do not use this meter in a dry environment, especially if synthetic materials are present. Synthetic clothes, carpets, etc., may cause damaging static discharges in a dry environment.
- Do not use this meter near cellular or cordless telephones, walkie talkies, garage door openers, radio transmitters, or other electrical or electronic equipment that are sources of electromagnetic radiation, as these may interfere with the proper operation of the meter.

## Items in the Package

- ① EasyTouch® GCU Meter
- ② Puncturer (lancing device)
- ③ Lancets
- ④ Pouch
- ⑤ EasyTouch® GCU User's Manual
- ⑥ Log Book
- ⑦ Check Strip
- ⑧ Two AAA Batteries



## Items that Need to be Purchased Separately

Test Strip (comes with a code key)

**EasyTouch® II**  
Blood Glucose Test Strips



**EasyTouch®**  
Cholesterol Test Strips



**EasyTouch® II**  
Uric Acid Test Strips



Control Solution

**EasyTouch® II**  
Glucose Control Solution (3 ml)



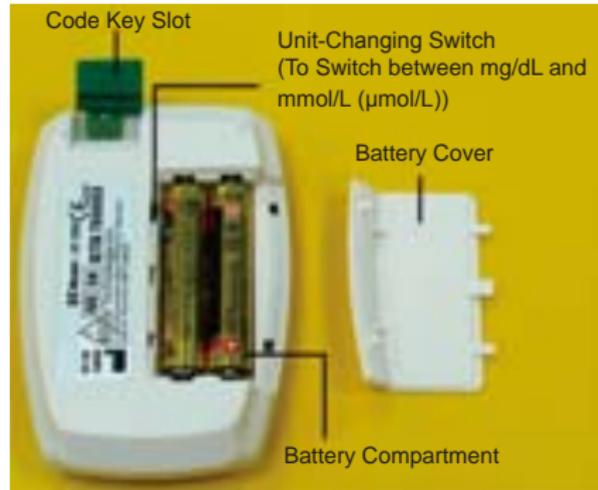
**EasyTouch®** Cholesterol Control  
Solution (1 ml)



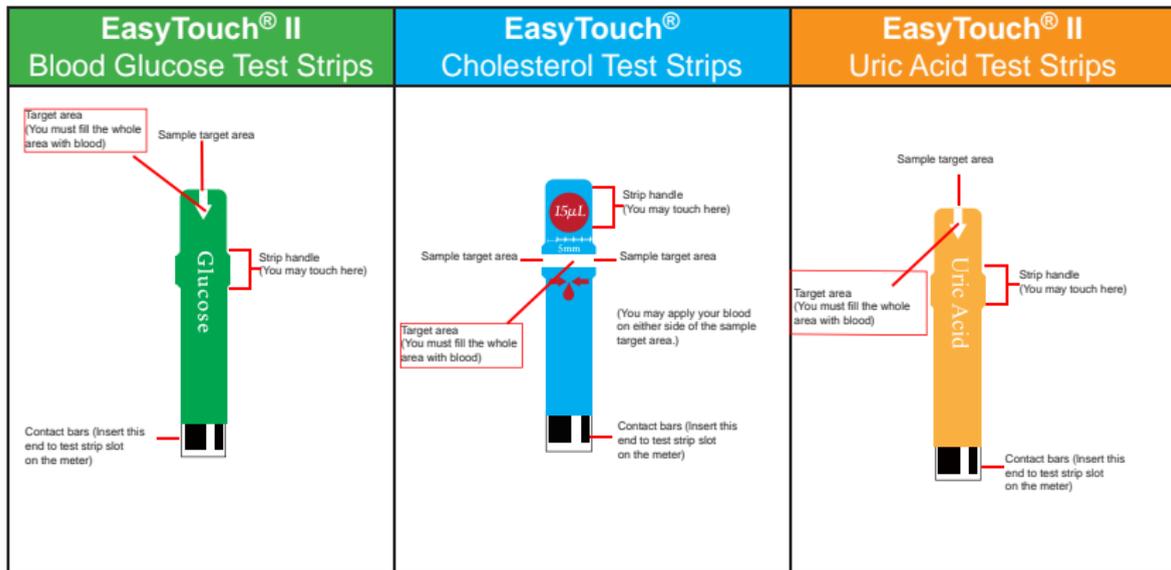
**EasyTouch® II**  
Uric Acid Control Solution (3 ml)



# Getting to Know the EasyTouch® GCU Blood Glucose/Cholesterol/Uric Acid Multi-Function Monitoring System



## Test Strips



## Setting Up Your **EasyTouch**<sup>®</sup> **GCU** Multi-Function Monitoring System

### Setting Date and Time

#### NOTE:

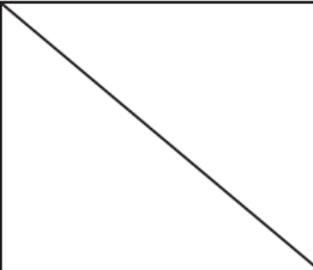
Every time you insert batteries into the meter, it will enter setting mode automatically. Set the correct time and date before you begin testing.

1. The meter will automatically enter the setting mode after you install the batteries.
2. Press “S” button to obtain the correct month.
3. Press “M” button to confirm the above setting and shift to the day setting.
4. Repeat the same steps to set the hour and minute.
5. When you finish setting, the meter will turn off automatically.

### Checking the Unit of Measurement

Before you get started...

**EasyTouch**<sup>®</sup> **GCU** meter can measure your blood glucose, cholesterol, and uric acid in the following units:

				
	Push Switch Up		Push Switch Down	
	Unit	Decimal point	Unit	Decimal point
Glucose	mM	Yes	mg/dL	No
Cholesterol	mM	Yes	mg/dL	No
Uric Acid	$\mu$ M	No	mg/dL	Yes

\* You should check this setting every time you put batteries into your meter.

\* Use a screwdriver to adjust the switch.

## Installing Batteries

### NOTE:

Your meter comes with two AAA size batteries (1.5V).

1. Slide battery cover off of the back of the meter.
2. Insert two AAA batteries (1.5 V) into the battery compartment.
3. Slide battery cover back into place.



**CAUTION:**

- Make sure the “+” and “-” ends of the batteries match the marks in the battery compartment.
- Always replace both batteries at same time. Both batteries should be the same brand.

**Using the Check Strip to Check the Meter**

You need to use the check strip to check the meter when

- You use **EasyTouch® GCU** monitoring system for the first time.
- You drop the meter.
- You think there is something wrong with the results you got and you want to check whether meter and test strips are working correctly or not.



1. Insert the check strip into the test strip slot on the meter.
2. The screen should display "OK". If "X" appears on the screen, remove the check strip and reinsert it. If "X" displays again, stop all testing and call our customer support.

## Control Check with Glucose/Cholesterol/Uric Acid Control Solutions

### When to Run a Control Check with Glucose/Cholesterol/Uric Acid Control Solution

- You think there is something wrong with the glucose, cholesterol, or uric acid measurement you got and you want to check whether meter and test strips are working correctly or not.

### Items You Need

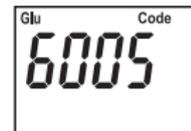
- **EasyTouch<sup>®</sup> GCU Meter**
- **EasyTouch<sup>®</sup> II Blood Glucose Control Solution**
- **EasyTouch<sup>®</sup> Cholesterol Control Solution**
- **EasyTouch<sup>®</sup> II Uric Acid Control Solution**
- **EasyTouch<sup>®</sup> II Blood Glucose Test Strips**
- **EasyTouch<sup>®</sup> Cholesterol Test Strips**
- **EasyTouch<sup>®</sup> II Uric Acid Test Strips**
- Glucose/Cholesterol/Uric Acid code keys in the test strips box

## Steps for Running a Glucose Control Check

### CAUTION:

- Always check the glucose code key number to make sure it matches the number labeled on the test strip vial when you run a glucose control test. Otherwise you may get incorrect results.
- Always write down the opening date of your glucose control solution vial and test strip vial. Both of them are good for only 3 months after first opening or until the expiration date, whichever comes first.
- The result will be stored in memory and appear just like a blood glucose result.

1. Insert the glucose code key into the code key slot on the back of the meter.
2. Take one strip from the vial. Close the vial quickly.
3. Insert the test strip into the test strip slot on the meter. The meter will first display code number, and then the blood symbol “”.



**Caution:**

Make sure that the code number shown on the screen is the same as the code number printed on the glucose test strip vial, otherwise you may get incorrect measurement.

4. Hold the glucose control solution bottle upside down and slowly squeeze the bottle to form a small drop. Discard the first drop of the solution, and let the second drop touch the edge of the sample targeting area on the test strip. The control solution will be drawn into the targeting zone automatically.
5. You will hear a “beep” sound. Close the cap of the control solution immediately. The meter starts to count down from 6, and then shows your result on the screen.
6. Check if the displayed glucose value falls within the acceptable range shown on the test strip vial.
7. Remove the test strip from the meter and discard it.

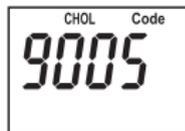


## Steps for Running a Cholesterol Control Check

### CAUTION:

- Always check the cholesterol code key number to make sure it matches the number labeled on the test strip vial when you run a cholesterol control test. Otherwise you may get incorrect results.
- Always write down the opening date of your cholesterol control solution vial and test strip vial. Both of them are good for only 2 months after first opening or until the expiration date, whichever comes first.
- The result will be stored in memory and appear just like a blood cholesterol result.

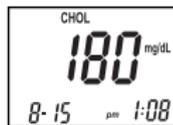
1. Insert the cholesterol code key into the code key slot on the back of the meter.
2. Take one strip from the vial. Close the vial quickly.
3. Insert the test strip into the test strip slot on the meter. The meter will first display code number, and then the blood symbol “”.



**Caution:**

Make sure that the code number shown on the screen is the same as the code number printed on the cholesterol test strip vial, otherwise you may get incorrect measurement.

4. Hold the cholesterol control solution bottle upside down and slowly squeeze the bottle to form a small drop. Discard the first drop of the solution, and let the second drop touch the edge of the sample targeting area on the test strip. The control solution will be drawn into the targeting zone automatically.
5. You will hear a “beep” sound. Close the cap of the control solution immediately. The meter starts to count down from 150, and then shows your result on the screen.
6. Check if the displayed cholesterol value falls within the acceptable range shown on the test strip vial.
7. Remove the test strip from the meter and discard it.



## Steps for Running a Uric Acid Control Check

### CAUTION:

- Always check the uric acid code key number to make sure it matches the number labeled on the test strip vial when you run a uric acid control test. Otherwise you may get incorrect results.
- Always write down the opening date of your uric acid control solution vial and test strip vial. Both of them are good for only 2 months after first opening or until the expiration date, whichever comes first.
- The result will be stored in memory and appear just like a blood uric acid result.

1. Insert the uric acid code key into the code key slot on the back of the meter.
2. Take one strip from the vial. Close the vial quickly.
3. Insert the test strip into the test strip slot on the meter. The meter will first display the code number, and then the blood symbol “”.



### Caution:

Make sure that the code number shown on the screen is the same as the code number printed on the uric acid test strip vial, otherwise you may get incorrect measurement.



## Analyzing Your Control Results

You will find the acceptable range of glucose, cholesterol, and uric acid levels for the normal and high controls on the test strip vial label.

If your control results fall within the acceptable range, you can begin to test your blood glucose, cholesterol, or uric acid levels.

If your control results are not within the acceptable range, check the following items:

- Are your glucose/cholesterol/uric acid test strips or control solutions expired?
- Have you ever forgotten to close your glucose/cholesterol/uric acid test strip vials or control solution bottles?
- Does the code in the meter match the code on the test strip vial?
- Do you follow all the operation instruction correctly?
- Repeat the control test with a new test strip, following the steps exactly.

### CAUTION:

If you continue to receive control values that are outside of the accepted range, discontinue your blood testing and contact customer service or your healthcare provider immediately.

## Blood Glucose/Cholesterol/Uric Acid Testing

### Items You Need

- **EasyTouch® GCU** Meter
- **EasyTouch® II** Blood Glucose Test Strips
- **EasyTouch®** Cholesterol Test Strips
- **EasyTouch® II** Uric Acid Test Strips
- Glucose code key (green color) in the glucose test strips box
- Cholesterol code key (blue color) in the cholesterol test strips box
- Uric Acid code key (orange color) in the uric acid test strips box
- Puncturer
- Lancets
- Alcohol swab (not included)
- Log book

### Preparing the Puncturer (Lancing Device)

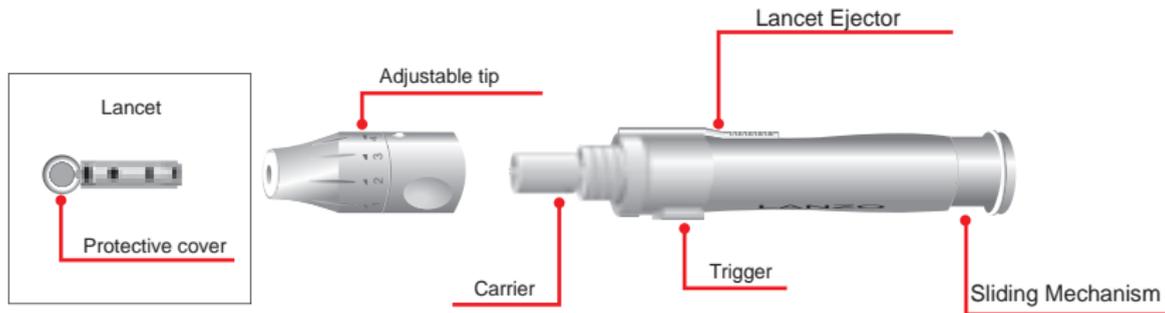
#### NOTE:

To increase blood flow: warm fingers using warm water to wash hands, and let your arm hang down at your side.

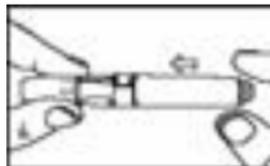
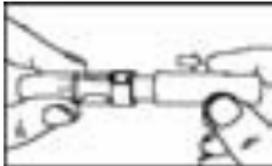
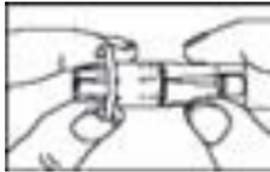
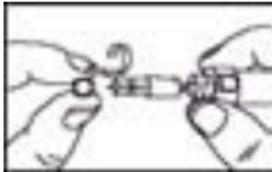
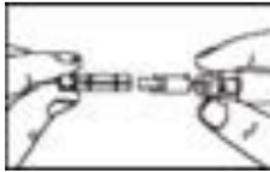
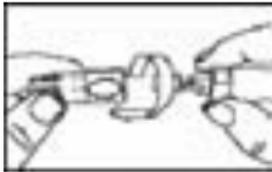
### CAUTION:

- For safety and to prevent cross-contamination, always place the protective cover back before discarding the used lancets.
- To avoid infection, you should-
  - Never reuse the lancets.
  - Never share your puncturer with others.
  - Use an alcohol pad to wipe off blood from puncturer's tip.
- To avoid accidental injury, do not leave a lancet in the puncturer. Always remove the used lancet immediately after a test.

### Structure of Puncturer and Lancet



## Steps for Using the Puncturer



1. Unscrew and remove the puncturer's adjustable tip.
2. Insert a lancet into the carrier.
3. Twist off the protective cover.
4. Replace the adjustable tip tightly. Choose a desired skin penetration depth by rotating the top portion of the adjustable tip until the setting number lines up to the arrow. Settings are based on skin type:  
**Depth 1~2: for soft or thin skin**  
**Depth 3: for average skin**  
**Depth 4~5: for thick or calloused skin**
5. Hold the tip of the puncturer with one hand and pull the sliding mechanism with the other hand. When a click is felt, the trigger rises up. Release the sliding mechanism, and it will move back to its original position.

## Testing Your Blood Glucose Level

### CAUTION:

You can only use **EasyTouch® II** Blood Glucose Test Strips and check strip on the **EasyTouch® GCU** meter.

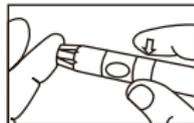
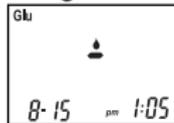
1. The first time you use the **EasyTouch® GCU** meter or open a new test strip vial, insert the code key from the test strip vial. Each test strip vial contains one code key. Make sure the number on the code key matches the code number on the vial of test strips you use.
2. Take one strip from the vial. Close the vial quickly.



### Caution:

The test strips can be damaged when they are not capped and stored properly.

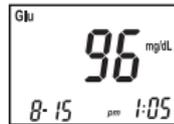
3. Insert the test strip into the test strip slot on the meter. The meter will first display code number, and then the blood symbol “”.
4. When the screen shows the blood symbol “”, clean your finger with an alcohol swab. Let it dry completely.
5. Place the puncturer on your finger.



### NOTE:

The best puncture site is on the side of your fingertip, because it has the best blood supply.

6. Press the trigger on the puncturer.
7. Withdraw the puncturer.
8. Wipe away the first drop of blood.
9. Apply the second drop of blood on the edge of the test strip target area. The blood will be absorbed and cause the target area to turn red. The testing reaction starts when the meter beeps. The meter counts down from 6 and then shows your result on the screen. The meter stores your result in its memory automatically.



**NOTE:**

**How much blood should be applied?**

Although only a small amount of blood is needed, it is very important that you put enough blood on your test strip so that the entire reaction zone is filled. This ensures that your meter can give accurate and reliable results.

**Caution:**

If you don't apply enough blood, you might need to use a new test strip to do the test again.

10. Record the glucose value in your log book.
11. Pull the test strip out of the meter. The meter will turn off by itself. Unscrew the adjustable tip of the puncturer.

12. Put the protective cover of the lancet back on the lancet. Pull the sliding mechanism back and slide the lancet ejector forward to eject the lancet.
13. Discard the used lancet in an appropriate container with a lid.
14. Screw the adjustable tip back on the puncturer.



**CAUTION:**

To avoid accidental injury, do not leave used lancet in the puncturer.  
Always remove the used lancet immediately after each test.

### Understanding Your Blood Glucose Test Results

According to the suggestions of American Diabetes Association), Normal fasting blood glucose is 70~100 mg/dL (3.9~5.6 mmol/L). The above range is just a reference, and it may not apply for every person.

Consult your doctor for the appropriate range for you.

## Testing Your Blood Cholesterol Level

### CAUTION:

You can only use **EasyTouch**<sup>®</sup> Cholesterol Test Strips and check strip on **EasyTouch**<sup>®</sup> **GCU** meter.

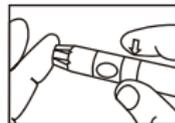
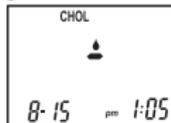
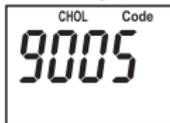
1. The first time you use the **EasyTouch**<sup>®</sup> **GCU** meter or open a new test strip vial, insert the code key from the test strip vial. Each test strip vial contains one code key. Make sure the number on the code key matches the code number on the vial of test strips you use.
2. Take one strip from the vial. Close the vial quickly.



### Caution:

The test strips can be damaged when they are not capped and stored properly.

3. Insert the test strip into the test strip slot on the meter. The meter will first display code number, and then the blood symbol “”.
4. When the screen shows blood symbol “”, clean your finger with alcohol swab. Let it dry completely.
5. Place the puncturer on your finger.



### NOTE:

The best puncture site is on the side of your fingertip, because it has the best blood supply.

6. Press the trigger on the puncturer.
7. Withdraw the puncturer.
8. Wipe away the first drop of blood.
9. Apply the second drop of blood on the edge of the test strip target area. The blood will be absorbed and cause the target area to turn red. The testing reaction starts when the meter beeps. The meter counts down from 150 and then shows your result on the screen. The meter stores your result in its memory automatically.



**NOTE:**

**How much blood should be applied?**

Although only a small amount of blood is needed, it is very important that you put enough blood on your test strip so that the entire reaction zone is filled. This ensures that your meter can give accurate and reliable results.

**Example:**

The blood volume needed in cholesterol test is at least 15  $\mu\text{l}$ . As a reference, the round shaped blood formed on your finger should be at least 0.5 cm diameter.



**Caution:**

If you don't apply enough blood, you might need to use a new test strip to do the test again.

10. Record the cholesterol value in your log book.
11. Pull the test strip out of the meter. The meter will turn off by itself. Unscrew the adjustable tip of the puncturer.
12. Put the protective cover of the lancet back on the lancet. Pull the sliding mechanism back and slide the lancet ejector forward to eject the lancet.
13. Discard the used lancet in an appropriate container with a lid.
14. Screw the adjustable tip back on the puncturer.



**CAUTION:**

To avoid accidental injury, do not leave used lancet in the puncturer. Always remove the used lancet immediately after each test.

## Understanding Your Blood Cholesterol Test Results

Normal fasting blood cholesterol is below 200 mg/dL.

The above range is just a reference, and it may not apply for every person.

Consult your doctor for the appropriate range for you.

## Testing Your Blood Uric Acid Level

### CAUTIONS:

You can only use **EasyTouch® II** Uric Acid Test Strips and check strip on **EasyTouch® GCU** meter.

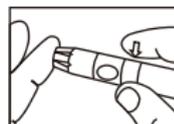
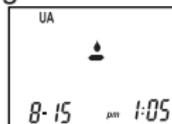
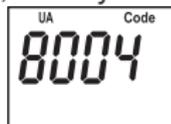
1. The first time you use the **EasyTouch® GCU** meter or open a new test strip vial, insert the code key from the test strip vial. Each test strip vial contains one code key. Make sure the number on the code key matches the code number on the vial of test strips you use.
2. Take one strip from the vial. Close the vial quickly.



### Caution:

The test strips can be damaged when they are not capped and stored properly.

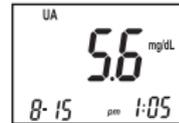
3. Insert the test strip into the test strip slot on the meter. The meter will first display code number, then the blood symbol “”.
4. When the screen shows blood symbol “”, clean your finger with alcohol swab. Let it dry completely.
5. Place the puncturer on your finger.



### NOTE:

The best puncture site is on the side of fingertip, because it has the best blood supply.

6. Press the trigger on the puncturer.
7. Withdraw the puncturer.
8. Wipe away the first drop of blood.
9. Apply the second drop of blood on the edge of the test strip target area. The blood will be absorbed and cause the target area to turn red. The testing reaction starts when the meter beeps. The meter counts down from 6 and then shows your result on the screen. The meter stores your result in its memory automatically.



**NOTE:**

**How much blood should be applied?**

Although only a small amount of blood is needed, it is very important that you put enough blood on your test strip so that the entire reaction zone is filled. This ensures that your meter can give accurate and reliable results.

**Caution:**

If you don't apply enough blood, you might need to use a new test strip to do the test again.

10. Record the uric acid value in your log book.
11. Pull the test strip out of the meter. The meter will turn off by itself.  
Unscrew the adjustable tip of the puncturer.



12. Put the protective cover of the lancet back on the lancet. Pull the sliding mechanism back and slide the lancet ejector forward to eject the lancet.
13. Discard the used lancet in an appropriate container with a lid.
14. Screw the adjustable tip back on the puncturer.



### Understanding Your Blood Uric Acid Test Results

The expected blood uric acid value is as following:

Male: 3 ~ 7.2 mg/dL (179 ~ 428  $\mu$ mol/L)

Female: 2 ~ 6 mg/dL (119 ~ 357  $\mu$ mol/L)

The above range is just a reference, and it may not apply for every person.

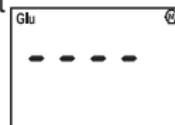
Consult your doctor for the appropriate range for you.

## Using the Meter Memory

**EasyTouch® GCU** Meter can automatically store the most recent glucose, cholesterol, and uric acid test results. You can review the test results in order from the newest to the oldest. If the memory is full, the oldest result is deleted as the newest result is added. The memory is not affected by replacing/removing the batteries.

### Reviewing Stored Glucose Test Results

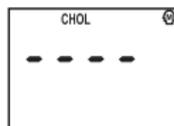
1. Enter the glucose test mode first. Insert the glucose code key (green color) and press the “M” button.
2. On each press of the “M” button, the 7-day average, 14-day average and 28-day average will be displayed on the screen in order.
3. On the fourth button press, after the 28-day average, the newest blood glucose test result with date will be displayed.
4. The stored results with date are displayed in order from the most recent to the oldest with each press of the “M” button. The meter will turn off automatically in 3 seconds when the symbol “----” is displayed on the screen.



5. To stop checking the results, stop pressing the “M” button. The meter will turn off automatically in 30 seconds or via pressing “S” button.
6. No test can be performed when you are checking the stored results. If you wish to perform a new test, please turn off the meter first and restart the steps described in the section 【Blood Glucose/Cholesterol/Uric Acid Testing】 .

## Reviewing Stored Cholesterol Test Results

1. Enter the cholesterol test mode first. Insert the cholesterol code key (blue color) and press the “M” button.
2. The stored results with date are displayed in order from the most recent to the oldest with each press of the “M” button.  
The meter will turn off automatically in 3 seconds when the symbol “----” is displayed on the screen.
3. To stop checking the results, simply do not press the “M” button.  
The meter will turn off automatically in 30 seconds or by pressing the “S” button.
4. No test can be performed when you are checking the stored results. If you wish to perform a new test, please turn off the meter first and restart the steps described in the section 【Blood Glucose/Cholesterol/Uric Acid Testing】 .



## Reviewing Stored Uric Acid Test Results

1. Please enter the uric acid test mode first. Insert the uric acid code key (orange color) and press the “M” button.
2. The stored results with date are displayed in order from the most recent to the oldest with each press of the “M” button.  
The meter will turn off automatically in 3 seconds when the symbol “----” is displayed on the screen.
3. To stop checking the results, simply do not press the “M” button.  
The meter will turn off automatically in 30 seconds or by pressing the “S” button.
4. No test can be performed when you are checking the stored results. If you wish to perform a new test, please turn off the meter first and restart the steps described in the section **【Blood Glucose/Cholesterol/Uric Acid Testing】** .



## Deleting Stored Blood Glucose/Cholesterol/Uric Acid Test Results

1. When the newest blood glucose/cholesterol/uric acid test result is displayed, press and hold “S” button for 3 seconds. The newest glucose/cholesterol/uric acid test result is deleted as soon as you hear the “beep” sound from the meter.
2. The stored results can be deleted in order from the most recent to the oldest by pressing the “S” button for 3 seconds.
3. To stop deleting the results, simply do not press and hold the “S” button. The meter can automatically turn off in 30 seconds or by pressing “S” button.

## Taking Care of Your Meter

### Maintaining the Meter

- Do not drop, hit or smash your meter.
- Keep your meter between -10°C and 60°C (14°F and 140°F) and below 95% relative humidity. Do not store the meter in area such as the kitchen, bathroom, laundry room or car.
- Keep the meter away from water.
- Do not use glass/household-cleaning solutions to clean the meter. Simply use an alcohol pad to wipe the surface of the meter, but do not wipe the test strip slot or code key slot.
- Do not disassemble the meter
- If you have any questions, please contact Customer Service or your healthcare provider.

### Replacing the Batteries

When the symbol "⎓" is displayed on the screen, please replace batteries immediately.

1. Slide battery cover off from the back of the meter.
2. Remove old batteries and insert 2 new AAA size batteries (1.5V) into the battery compartment.
3. Slide battery cover back and turn on your meter.

## Cleaning the Meter

You can clean your meter with 70% isopropyl alcohol swab

### CAUTIONS:

- DO NOT spray any cleaning solution directly onto the meter.
- DO NOT dampen the code key slot or the test strip slot.
- DO NOT immerse the meter in liquid.

## Troubleshooting Guide

SYMBOL	WHAT IT MEANS	ACTION
	The battery power is low.	Replace the batteries.
	"LO" flashes 5 times before the meter turns off automatically. The batteries are dead.	Replace the batteries.

SYMBOL	WHAT IT MEANS	ACTION
	<p>The environmental temperature is too low.</p>	<p>Repeat the test in a warmer place, about 14°C~40°C (57.2°F~104°F). You may need to wait as long as 20 minutes for the meter to warm up before testing again.</p>
	<p>The environmental temperature is too high.</p>	<p>Repeat the test in a cooler place, about 14°C~40°C (57.2°F~104°F). You may need to wait as long as 20 minutes for the meter to cool down before testing again.</p>
 <p><b>(Example)</b></p>	<p>Your blood glucose test result is over 240 mg/dL. Consider ketone testing.</p>	<p>Re-check your blood glucose level. Follow the instructions of your healthcare professional regarding ketone testing.</p>
	<p>Your blood glucose test result is over 240 mg/dL. Consider ketone testing..</p>	<p>Re-check your blood glucose level. If "HI" is displayed again, call your doctor immediately.</p>

SYMBOL	WHAT IT MEANS	ACTION
 <p>The symbol shows 'Glu' at the top, '-LO-' in the center, and '8-15 pm 1:05' at the bottom.</p>	<p>Your blood glucose level is lower than 20 mg/dL (1.1mmol/L).</p>	<p>Re-check your blood glucose level. If "LO" is displayed again, call your doctor immediately.</p>
 <p>The symbol shows 'CHOL' at the top, '-HI-' in the center, and '8-15 pm 1:05' at the bottom.</p>	<p>Your blood cholesterol level is higher than 400 mg/dL (10.4 mmol/L).</p>	<p>Re-check your blood cholesterol level. If "HI" is displayed again, call your doctor immediately.</p>
 <p>The symbol shows 'CHOL' at the top, '-LO-' in the center, and '8-15 pm 1:05' at the bottom.</p>	<p>Your blood cholesterol level is lower than 100 mg/dL (2.6 mmol/L).</p>	<p>Re-check your blood cholesterol level. If "LO" is displayed again, call your doctor immediately.</p>
 <p>The symbol shows 'UA' at the top, '-HI-' in the center, and '8-15 pm 1:05' at the bottom.</p>	<p>Your blood uric acid level is higher than 20 mg/dL (1190 μmol/L).</p>	<p>Re-check your blood uric acid level. If "HI" is displayed again, call your doctor immediately.</p>
 <p>The symbol shows 'UA' at the top, '-LO-' in the center, and '8-15 pm 1:05' at the bottom.</p>	<p>Your blood uric acid level is lower than 3 mg/dL (179 μmol/L).</p>	<p>Re-check your blood uric acid level. If "LO" is displayed again, call your doctor immediately.</p>

SYMBOL	WHAT IT MEANS	ACTION
	<p>Operating procedure is incorrect. The test strip has been used, or the meter is not performing correctly.</p>	<p>Repeat the test with a new test strip. If the symbol is displayed again, contact customer service.</p>
	<ol style="list-style-type: none"> <li>1. Using a wrong code key or the code key is inserted improperly.</li> <li>2. New meter hasn't been code.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check the code key. Be sure the code key is inserted into the code key slot completely.</li> <li>2. Insert the code key.</li> </ol>
	<p>The code key is damaged.</p>	<p>Contact customer service.</p>

## Specifications

### EasyTouch® GCU Multi-Function Monitoring System

ET-301	Glucose	Cholesterol	Uric Acid
Measuring Range	20 ~ 600 mg/dL (1.1 ~ 33.3 mmol/L)	100 ~ 400 mg/dL (2.6 ~ 10.4 mmol/L)	3 ~ 20 mg/dL (179 ~ 1190 μmol/L)
Calibration	Plasma equivalent		
Test Time	6 seconds	150 seconds	6 seconds
Memory Capacity	200 test results	50 test results	50 test results
Operating Condition Temperature Humidity	14 ~ 40°C(57.2 ~ 104°F) ≤85% Relative Humidity		
Meter Storage Condition (Transportation Condition) Temperature Humidity	-10 ~ 60°C(14 ~ 140°F) ≤ 95% Relative Humidity		
Sample Volume	≥ 0.8 μl	≥ 15 μl	≥ 0.8 μl
Sample Type	Finger capillary whole blood		
Hematocrits Range	30 ~ 55%		

## Specifications (cont.)

ET-301	Glucose	Cholesterol	Uric Acid
Power Supply	1.5V (AAA) x 2		
Meter Dimension HxWxD (mm)	88 x 64 x 22		
Display	LCD Display (35 x 45 mm)		
Weight	59 grams, without Batteries		
Life of Battery	More than 1000 Times		
Technology Used	Electrode-based Biosensor		

\*The Meter has been safety and EMC tested and approved according to the requirement of EN 61010-1/EN 61010-2-101/EN 60601-1-2/EN 61326.

## Customer Services

Thank you for choosing the **EasyTouch® GCU** Blood Glucose/Cholesterol/Uric Acid Multi-Function Monitoring System. Biotik Technology, Inc. is honored to present this new product to you. Our customers are entitled to free repair and replacement of parts. However, damage resulting from improper use or accidents is excluded: strong impact or pressures, moisture intrusion, unauthorized repair, disassembly, and natural disasters. If you have problems with the product, please contact the local distributor or agent for further information. For EU Customer Service: +49-6894-581020.

Biotik Technology, Inc. is not responsible for any accidents or worsening illness resulting from buyers' or users' improper use of the device without the instructions of professionals (e.g. medical personnel). Consumers may not request compensation in this regard. Please read this manual thoroughly before using this monitoring system.

## Labeling and Information

Item	Description	Item	Description
	Do not reuse		Consult instruction for use
	Temperature limitation		Keep away from sunlight
	Manufacturer		Used by
	Caution, consult accompanying documents	<b>ECREP</b>	Authorized representative in the European Community
<b>LOT</b>	Batch code	<b>REF</b>	Catalogue number
<b>SN</b>	Serial number	<b>CONTROL</b>	Control
<b>IVD</b>	In vitro diagnostic device	<b>STERILE R</b>	Sterilized using irradiation
	Keep dry		

Guidance and manufacturer's declaration – electromagnetic emissions		
This device is intended for use in the electromagnetic environment specified below. The customer or the user of this device should assure that it is used in such an environment.		
Emissions test	Compliance	Electromagnetic environment – guidance
RF emissions CISPR 11	Group 1	This device uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	This device is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Not applicable	
Voltage fluctuations/flicker emissions IEC 61000-3-3	Not applicable	

Guidance and manufacturer's declaration – electromagnetic immunity			
This device is intended for use in the electromagnetic environment specified below. The customer or the user of this device should assure that it is used in such an environment.			
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment – guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±6 kV contact ±8 kV air	±6 kV contact ±8 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
NOTE <i>U<sub>T</sub></i> is the a.c. mains voltage prior to application of the test level.			

Guidance and manufacturer's declaration – electromagnetic immunity

This device is intended for use in the electromagnetic environment specified below. The customer or the user of this device should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment – guidance
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz	3 V/m	<p>Portable and mobile RF communications equipment should be used no closer to any part of this device, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.</p> <p>Recommended separation distance  <math>d = 1.2 \sqrt{P}</math> 80 MHz to 800 MHz  <math>d = 1.2 \sqrt{P}</math> 800 MHz to 2.5 GHz</p> <p>where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in metres (m).</p> <p>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey<sup>a</sup> should be less than the compliance level in each frequency range<sup>b</sup>.</p> <p>Interference may occur in the vicinity of equipment marked with the following symbol:</p> 

NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

a Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which this device is used exceeds the applicable RF compliance level above, this device should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating this device.

b Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

**Recommended separation distances between portable and mobile RF communications equipment and this device**

This device is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of this device can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and this device as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter W	Separation distance according to frequency of transmitterm		
	150 kHz to 80 MHz $d = 1,2 \sqrt{P}$	80 MHz to 800 MHz $d = 1,2 \sqrt{P}$	800 MHz to 2,5 GHz $d = 2,3 \sqrt{P}$
0,01	0,12	0,12	0,23
0,1	0,38	0,38	0,73
1	1,2	1,2	2,3
10	3,8	3,8	7,3
100	12	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance  $d$  in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where  $P$  is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

### Lancet (Included in the package)

Specification: Sterile, 30G

Manufacturer: Sterilance Medical (Suzhou) Inc.

Address: No. 68 Litanghe Road, Xiangcheng, Suzhou, Jiangsu 215133,  
P. R. China



EMERGO EUROPE

Molenstraat 15, 2513 BH, The Hague, The Netherlands

### Lancing Device (Included in the package)

Manufacturer: Global Medical Market Corp.

Address: Room No. 1112, Ace Tower 9th Bldg., 345-30, Kasan-Dong,  
Kumchon-Ku, Seoul, Korea



GMMC S.L.

C/Jordi de S.Jordi 13, 6-23, 46022 Valencia, Spain