



**Warranty Registration Card**

EQPSE is a "Closed-Loop" Diabetes Management System. It is designed to help you manage your diabetes more effectively. EQPSE is a warranty system that will help you to ensure that you are getting the most out of your EQPSE system. EQPSE is a warranty system that will help you to ensure that you are getting the most out of your EQPSE system. EQPSE is a warranty system that will help you to ensure that you are getting the most out of your EQPSE system.

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 Address: \_\_\_\_\_  
 City: \_\_\_\_\_  
 State: \_\_\_\_\_  
 Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 E-mail: \_\_\_\_\_  
 EQPSE System Number: \_\_\_\_\_  
 Date: \_\_\_\_\_



Quick and Smart

# ECLIPSE

**Blood Glucose Monitoring System**





# Dear ECLIPSE System Owner

Thank you for choosing the ECLIPSE Blood Glucose Monitoring System.

This Owner's Manual contains everything you need to know about your new Blood Glucose Monitoring System and how it works. Please take a moment to read it carefully, before using your new system.

In choosing the ECLIPSE Blood Glucose Monitoring System, you have selected one of the most convenient, easy to use and less painful systems available. It gives you accurate results in just 5 seconds using only 1  $\mu$ l blood sample from Forearm, Upper arm, Palm, Fingertips, Thigh, as well as Calf. You will find that testing on your arm or leg is less painful than testing on your fingertips, since they have fewer nerve endings. What's more, the ECLIPSE stores up to 250 blood glucose test results and can identify up to 100 different users (see ID function).

Checking your blood glucose levels on a regular basis can make a big difference in how well you manage your diabetes. Our goal is to help you make it as comfortable and convenient as possible.

Before you get started, it is important to complete the warranty registration card included in your kit, and mail it back to INFOPIAUSA. Doing this will help us serve your needs better.



## Caution

The **ECLIPSE** Blood Glucose Monitoring System is intended for in vitro diagnostic use only.

It should not be used for the diagnosis of diabetes or for the testing of newborns.

The **ECLIPSE** was designed to test blood glucose (sugar) levels and should be used with fresh capillary whole blood.

Do not use the **ECLIPSE** system for anything other than blood glucose testing.

**Caution :** Before using any product, please read all instructions.

Consult your physician or diabetic healthcare professional about daily management of your diabetes and proper use of the glucometer.

The **ECLIPSE** Blood Glucose Monitoring System contains small parts. Please keep your Monitoring System out of reach of children.

If you have any questions about the **ECLIPSE** product, please contact your local representative.



# Important Information

1. Testing after meal, physical exercise, or any other event that will impact glucose levels can affect your blood glucose result.
2. The **ECLIPSE** Blood Glucose Monitoring System is intended for use outside the body (in vitro diagnostic use only).
3. The **ECLIPSE** system should be used only for testing blood glucose levels and only with a fresh capillary whole blood sample.
4. The **ECLIPSE** system should not be used for the diagnosis of diabetes or for the testing of newborns.
5. Do not use **ECLIPSE** system for any purpose other than blood glucose testing.
6. Before using **ECLIPSE** system, read all instructions in this manual and practice accurate and safe testing.
7. Please pay close attention when handling blood. Improper procedures may be hazardous to your health.
8. You should have a recommendation from your health care professional for the proper use of this system and daily management of your diabetes.
9. Severe dehydration and excessive water loss may alter results.
10. If you believe you are suffering from severe dehydration, consult a health care professional immediately.
11. If results fall lower than 60mg/dL (3.3mmol/L) or higher than 240 mg/dL (13.3 mmol/L), repeat the test. If you continue to get the same results, follow the treatment advice of your healthcare professional.
12. If you experience symptoms inconsistent with your test results after following the instructions in this manual, contact your healthcare professional.

# Quick Reference

1



- Insert the test strip and verify the correct code.

2



- Lancing your finger to acquire a blood sample.

3



- Apply the blood sample to the test strip.

4



- Your test result in 5 seconds.

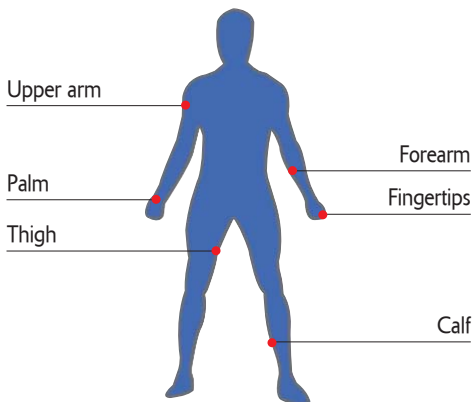


# Important Information

## Important Information about Using Alternate Site Blood Samples

- ▶ Consult your physician before you begin using the alternate site for testing.
- ▶ Under certain conditions, blood glucose test results obtained using samples taken from alternate sites may differ significantly from fingertip samples.
- ▶ Use fingertip samples when you are concerned with hypoglycemia (insulin reactions) such as when you are driving a car, particularly if you suffer from hypoglycemia, unawareness (lack of symptoms to indicate an insulin reaction), as alternate site testing may fail to detect hypoglycemia.
- ▶ Alternate site testing is NOT recommended for people with a history of reoccurring hypoglycemia.
- ▶ Routine testing before meals can be done either on the Forearm, Upper arm, Palm, Fingertip, Thigh, as well as Calf.

# Alternate Site Testing



The [ECLIPSE](#) system gives you the ability to obtain a blood sample for testing your glucose level from different areas of your body. The figure shown above displays the areas where you can test using your [ECLIPSE](#) Blood Glucose Monitoring System. You may test your blood glucose from your Forearm, Upper arm, Palm, Fingertips, Thigh, as well as Calf. Avoid moles, veins, bones and tendons.

**Important :** We recommend that you test on your fingertip if you are testing for hypoglycemia (low blood glucose) or if you have a history of reoccurring hypoglycemia.





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# About Your New ECLIPSE System

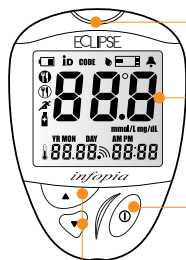


- ECLIPSE Meter
- ECLIPSE Test strips
- Control Solution
- Lancing Device
- Lancets
- Check Strip
- Manual
- Warranty Registration Card
- Patient Logbook
- 3V Li-(CR2032) Battery
- Carrying Case

Your ECLIPSE Blood Glucose Monitoring System has been sealed to protect the contents.

If you find your seal has been broken, please return it to the place of purchase.

# About Your New ECLIPSE System



## Test Strip Port :

Insert the ECLIPSE Test Strip here.

## Displays Screen :

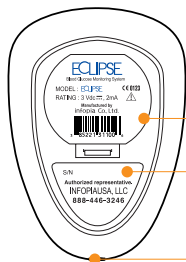
Display your test results, symbols and messages.

## Function Button :

Powers the meter on/off, prompts memory data and acts as an enter button during setup and after tests.

## Up/Down Arrow Buttons :

Adjusts settings and scrolls through memory to review prior results.



## Battery Cover

## Serial Number

## Data Port :

Download your test results.

# About Your New ECLIPSE System

## Display Screen



Low Battery Warning Symbol



User ID Symbol



Strip Code Symbol



Ready for Blood Symbol



Alarm Symbol



Before Having a Meal



After Having a Meal



After Sports Activity



After Taking Medications



Control Solution Symbol



Temperature/Date



Test Result Unit



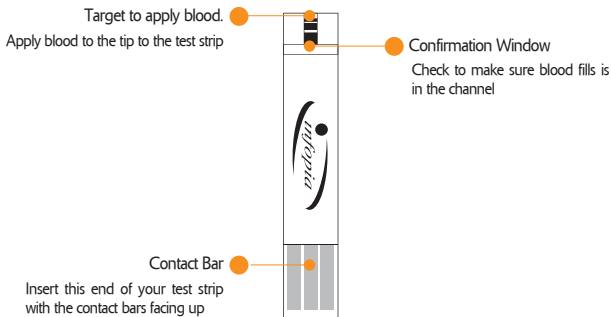
Sound Alert Symbol



Displays Test Time and Data

# About Your New ECLIPSE System

Use only ECLIPSE brand test strips with your ECLIPSE meter.

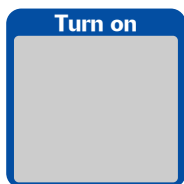


## [ Important ECLIPSE Test Strip Information ]

1. Store the ECLIPSE Test strip vials in a cool, dry place. Keep out of direct sunlight. Do not refrigerate or freeze.
2. Store test strips in their original vial only. Do not mix the test strips in new vials or in any other container.
3. Immediately replace the vial cap and close tightly after removing a ECLIPSE test strip.
4. Make a note of the discard date which is three months from the date you first open a new vial of test strips on the vial label. Throw ECLIPSE test strips and vial away after this discard date.
5. Avoid getting dirt, food, and water on the test strip. Do not handle test strips with wet hands.
6. Do not use test strip after the expiration date printed on the package or vial since it may cause inaccurate results.
7. Do not bend, cut, or alter the test strip.
8. ECLIPSE Test Strips are for single use only. DO NOT RE-USE.
  9. Refer to additional information in the ECLIPSE test strip package.

# Before You Test

The **ECLIPSE** Blood Glucose Monitoring System has a wide variety of functions to choose from. There is a beeping sound to alert you when a function is set; date, time, five daily alarms, unique user ID, ability to designate activities related to the test result, and the ability to designate three unique data averages.



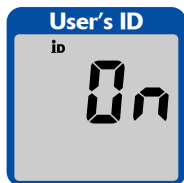
- Press power button ① and hold for about 3 seconds



- After pressing and releasing either ▲ or ▼ buttons to turn the beeper on/off, enter ①



- After pressing and releasing either ▲ or ▼ buttons to turn the user testing option on/off, enter ①



- After pressing and releasing either ▲ or ▼ buttons to turn user ID on/off, enter ①



- After pressing and releasing either ▲ or ▼ buttons to set the date and time, enter ①



- After pressing and releasing either ▲ or ▼ buttons to set the test unit of result, enter ①



# Before You Test

## Setting the Temperature Unit



- After pressing and releasing either ▲ or ▼ buttons to set °C or °F, enter ①

## Setting testing averages



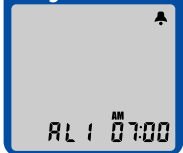
- After pressing and releasing either ▲ or ▼ buttons to set the average of testing day, enter ①

## Setting the Alarm



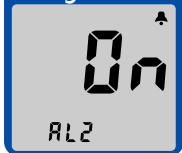
- After pressing and releasing either ▲ or ▼ buttons to set the alarm, enter ①

## Setting the Alarm Time



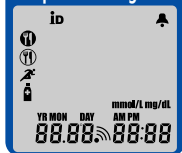
- After pressing and releasing either ▲ or ▼ buttons to set the alarm time, enter ①

## Setting the Alarm



- After programming the number of desired alarms enter ①

## Complete all Setting Mode



- After completing the set up, all of the symbols are displayed briefly before the meter automatically shuts off.

◆ User can set upto 5 daily alarms as well as designate 3 unique glucose averages

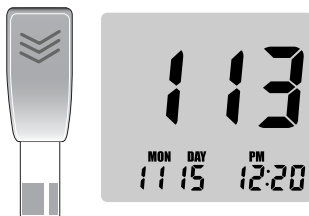
## Caution

- When setting parameters for your meter, be sure to enter the correct information to ensure proper test results.
- You will be unable to test while setting up your meter.  
"Year Mode : 2005 - 2099"
- To turn the meter off during set up, press ① and hold for at least three seconds.

## Before You Test

Check your meter with the check strip.

The “check strip” is to make sure that your meter is functioning properly.



Insert the check strip with the “<<<” facing up in the test strip port of your meter.

The check strip automatically checks your meter when it is inserted into the test port. If the value displayed is between the ranges of 107 - 127, your meter is functioning properly.

If the value displayed does not meet the proper range, the LCD will display an “Er 1” message.

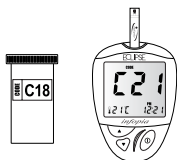
If after reinserting the check strip you receive the same error, please contact your local representative.

It is important to check your **ECLIPSE** meter system after purchasing. To ensure proper test results, please check your system periodically.

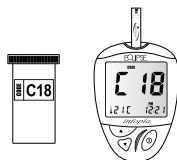


# Before You Test

Code numbers are used to calibrate the **ECLIPSE** Meter with the **ECLIPSE** Test strips for accurate results. You must code the meter before using it. Confirm the code number for the first test and then every time you change to a new vial of test strips.



Insert the **ECLIPSE** test strip to turn your meter on. Please insert your test strip fully, but be careful not to bend. The code number should appear in the LCD window for 3 seconds (example: C18). Compare the code number on the meter's LCD window with the code number on the test strip vial. If the two code numbers match, you can start testing.



If the two code numbers do NOT match, you must code your meter according to the test strip vial code number before the LCD display ends (Within 3 Seconds). Press the ▲ or ▼ button to select the correct code. The number increases or decreases by one digit every time you press ▲ or ▼ button. To move more quickly, press and hold ▲ or ▼ buttons.

If any error message appears any time, please refer to the Trouble Shooting section of the manual for more information (please refer to page 31-34).

# Performing Your Test



1. Unscrew the lancet device tip and insert a lancet firmly into the carrier.



2. Pinch the lancet and twist off the protective cover. Do not discard the cover. Replace the lancet device tip.



3. The tip of lancet device offers 5 different levels of skin penetration. To select the best depth: Use 1-2 for soft or thin skin, 3 for average skin, 4-5 for thick or calloused skin.



4. Place the lancet device against the tip of the finger. Press the trigger button. Your blood sample should now be ready to be applied to the test strip. Lift the lancet device out and away.

## Caution

- Use a new sterile, lancet every time you test.
- Do not use lancet if protective cover has been removed or damaged.
- Never share a lancet with anyone.

## Maintaining Your Lancet Device:

- Use a new sterile lancet device tip. Carefully stick the protective disk cover back on the used lancet.
- Grip the holder firmly and pull the lancet safely out of holder. Screw the tip back on the lancet device.
- Properly discard the used lancet. Clean the lancet device if blood or stain remains.

# Performing Your Test

Before testing, be sure to read this section and test strip package insert found in the test strip box carefully, make sure you have all the necessary items to begin testing:



- ECLIPSE Meter
- ECLIPSE Test Strip
- ECLIPSE Lancing Device
- ECLIPSE Sterile Lancets

## CAUTION !

To reduce the chance of infection :

- The Lancing Device and sterile lancets should NOT be shared with others.
- Always use a new, sterile lancet.
- Lancets are for single use only.
- Avoid getting hand lotion, oils, dirt, or debris on the Lancets or the Lancing Device.
- Dry your hands completely before testing.

# Performing Your Test

Practice using the lancing device and become accustomed with its use. Wash your hands with warm, clean water and soap. Dry your hands completely before testing.



## Step 1.

Firmly insert the **ECLIPSE** Test Strip into the **ECLIPSE** Meter test strip port with the “Infopia logo” facing up. The meter will automatically turn on and display the code number and testing temperature. After 3 seconds, the code number and testing temperature will disappear.

When  blinking, apply your blood to the test port.

*Note: Inserting the test strip in the wrong direction will turn the meter on but you will be unable to test.*

### CAUTION !

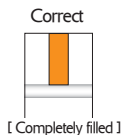
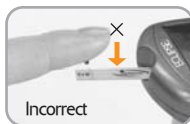
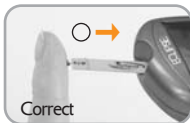
- If you did not confirm the code in 3 seconds, pull the test strip out of the port, and re-start the procedure from the beginning.
- If the code on the LCD display window and on the test vial do not match, follow the coding procedure for accurate results (refer p18).
- If you apply your blood sample too early, the ERROR 5 message will appear on LCD (refer p 32).

# Performing Your Test

## ● Test Strip Insertion



## ● Applying Blood



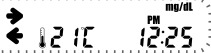
## Step 2.

Place your fingertip to the top edge of **ECLIPSE** Test Strip. The blood on your finger will automatically draw into the channel of the test strip. Allow your finger to remain until you hear a "beep" sound from the **ECLIPSE** Meter. A sample volume of 1  $\mu$ l is required.

### CAUTION !

- If you do not conduct your test after 5 minutes, the meter will automatically power off to save battery life.
- In this case, you should start your test procedure from the beginning.

# Performing Your Test



# After inserting the test strip the date & temperature will display.

NOTE : The temperature will display for a short time only.

## Step 3.

After the test chamber is filled with blood, the test will begin automatically and your results will appear in 5 seconds. It should begin counting down from 5 to 1 second on the LCD display window. The LCD window will display the result of your blood glucose level, temperature and time.

Record the result value in your [ECLIPSE](#) Logbook. When the test strip is removed, the meter turns off automatically.

### CAUTION !

- If the test result is out of the test range, the Hi/Lo message will be shown on the LCD. (refer p33)
- Safely discard used test strips and lancets.

# Performing Your Test



## Step 4-1.

If you selected to use the activity based features during set up, press ▲ and ▼ to select the activity that correlates with your result, then press ①.



## Step 4-2.

If you selected to use the User ID feature during setup, press ▲ and ▼ to select the User ID that correlates with your result, then press ①.

### CAUTION !

Although you already set the user option and individual ID, if you pull the test strip out right after test, you cannot move onto step 4.


Please refer to page 15, if you want to set the activity and individual ID options.


In ID ON mode, the data not stored in any ID number is automatically saved in, but the user can see the data in ID OFF mode.

# Performing a Control Solution Test

How to perform Your the ECLIPSE Control Solution Test.



Before Performing Your Control Solution Test, press ▲ or ▼ button, after  is displayed.

As the control solution symbol  appears, apply the control solution to the test strip.

## CAUTION !

- Control solution data and your real data tested are stored differently.
- Control solution can only be checked in ID OFF mode.

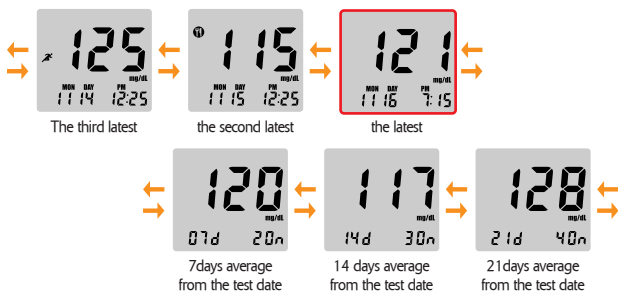


# Reviewing Your Results

The **ECLIPSE** Meter saves up to 250 test results in its built-in memory and records the average glucose level for the number of days which you had preset to be calculated and saved. These values can be recalled in the LCD display at any time. The newest result will replace the oldest beyond the 250 data stored.

- Press and release **ⓘ** button, then your newest data appears.
- Check your individual data by pressing **▲** button.
- Check your average data by pressing **▼** button.

EX >

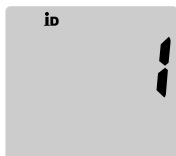


Display Screen



- Average test result
- Test unit
- Test result amount
- Average test result days

# Reviewing Your Results



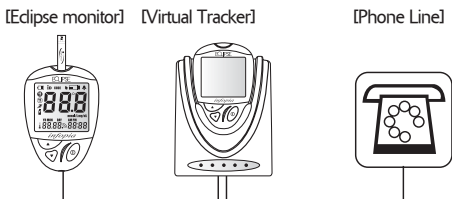
- Press and release ① button once and the User ID option will appear in the LCD screen.
- After entering the User ID mode, use the ▲ and ▼ to scroll and to choose the correct user ID, then press the ①.
- After selecting the desired user ID, you can review that user's results exclusively.

# Downloading Your Glucose Readings

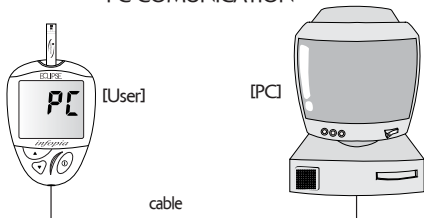
ECLIPSE has a user friendly diabetes management program to manage a patient's blood glucose level through their personal computer or virtual tracker.

- Free download : <http://www.infopiausa.com>

## EOCENE SYSTEM



## PC COMMUNICATION



In order to utilize your downloading capability, you must contact your local supplier to purchase your cable separately.




# Caring for Your ECLIPSE Meter

For safe, accurate and long-lasting use of the ECLIPSE Meter, the meter must be maintained with proper care :

1. The lancing device should be cleaned if blood remains after testing to prevent infectious diseases.
2. Clean the meter with a soft cloth or tissue. If necessary, rubbing alcohol can be used to wipe away dirt on the outer surface of the meter. Do not use chemical solutions such as benzol or acetone, since both of these solutions can damage the meter surface. When cleaning the meter with rubbing alcohol, DO NOT pour directly onto the meter, but use the cloth soaked with a small amount of alcohol. After cleaning the meter, dry completely in a cool dry place and avoid direct sunlight.
3. After testing, place the ECLIPSE meter in the carrying case to prevent loss or damage.
4. Please store ECLIPSE meter system in a cool, dry area, out of the reach of children. Do not refrigerate.
5. For detailed instructions of ECLIPSE test strip, refer to the test strip package insert found in the ECLIPSE test strip box.
6. If you need to purchase the lancing device, lancets or test strips, contact your local representative.
7. Do not soak the meter or test strips in water or liquid.
8. Do not subject the meter and strip to excessive heat.
9. Use your ECLIPSE meter according to the instructions in the manual.

# Changing Your Battery

The  will appear in the upper left corner of the LCD screen to alert you when the battery power is running low, indicating a new battery is needed.

The **ECLIPSE** meter will not power on when the battery power is exhausted.



Your **ECLIPSE** meter uses only one 3V lithium battery.

Before replacing the battery, make sure your meter is "OFF".




When changing your battery, match the polarity symbols (+ or -) printed on the battery deck of the meter to the symbols on the face of the battery.

After changing the battery, please reset your meter settings (please refer to page 15-16) to ensure accurate test results.







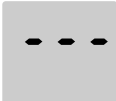



# Trouble Shooting





The following chart may help you identify certain problems, but may not solve all problems that can occur. Contact your authorized representative or customer support if the problem persists.

MESSAGE	Problem	Action Required
	Problem with the Meter.	Repeat the check strip test 2 or 3 times. If the problem persists, please contact your authorized representative or customer support.
	Error message could be caused either by a used or wet test strip.	Please insert a new test strip and perform your test again.
	Insufficient amount of blood sample.	Please insert a new test strip and perform your test again.

# Trouble Shooting

MESSAGE	Problem	Action Required
	Problem with the test strip Test strip is damaged.	Please insert a new test strip and perform your test again.
	User applied blood sample before the LCD display,   blinking.	Please wait for the LCD to display,   blinking before applying your blood sample.
	No readings in memory to display	
	Not enough readings in memory to display designated averages	

# Trouble Shooting

MESSAGE	Problem	Action Required
 <p>The meter displays "Lo" with a temperature symbol (°C) to its right. Below the display, it shows "5.1°C".</p>	The ambient temperature is too low	Place the meter within the operating temperature range for more than 10 minutes and retest.
 <p>The meter displays "Hi" with a temperature symbol (°C) to its right. Below the display, it shows "55.1°C".</p>	The ambient temperature is too high	Place the meter within the operating temperature range for more than 10 minutes and retest.
 <p>The meter displays "Lo". Below the display, it shows "MON DAY PM 11:15 12:21".</p>	The test result is lower than 10 mg/dl or 0.6 mmol/L	Check the accuracy of your test strip by performing a control solution test. With normal result, re-test with blood sample two or three times. When "Lo" message persists, please consult a doctor for assistance.
 <p>The meter displays "Hi". Below the display, it shows "MON DAY PM 11:15 12:21".</p>	The test result is higher than 600 mg/dl or 33.3 mmol/L	Check the accuracy of your test strip by performing a control solution test. With normal result, re-test with blood sample two or three times. When "Hi" message persists, please consult a doctor for assistance.





# Trouble Shooting

MESSAGE	Problem	Action Required
The meter does not power on	Battery is dead or there is a problem with the meter.	Change the battery and if the problem persists, contact your local representative.
Test results do not show after applying blood sample test	Low amount of blood sample.	Please insert a new test strip and perform your test again.
	Problem with the test strip or meter.	
The result is inconsistent	There may be a problem with the test strip.	Please insert a new test strip and perform your test again.
	The code of the meter and the test strip vial do not match.	Re-code meter and perform your test again.



## Specifications

**Sample Type :** Capillary Whole Blood

**Sample Volume :** 1  $\mu$ l

**Test Range :** 10~600 mg/dl

**Reading Time :** 5 Seconds

**Calibration :** Plasma - Equivalent

**Operating Humidity :** 10~90%

**Memory Capacity :** 250 Tests

**Operation Temperature :** 10~40°C / 50~104°F

**Display Type :** LCD

**Size :** 74 X 53 X 20mm / 2.91 X 2.12 X 0.79 inch

**Weight :** 40g  $\pm$  1g / 1.41 oz

**Power Source :** 3V Li Battery(CR2032) X 1

**Battery Life :** 1year

**Glucose Unit :** mmol/l or mg/dl

**Patient ID :** 100



## Five-Year Warranty

The [ECLIPSE](#), meter has a full five-year warranty from the original date of purchase.

If, at any time during the first five -years after purchase, the meter does not work for any reason with the exception of obvious abuse, misuse, or disastrous damage, INFOPIAUSA will replace your [ECLIPSE](#), meter free of charge.

The Warranty Policy of INFOPIAUSA only applies to the original purchaser of the [ECLIPSE](#), meter system and does not include the battery supplied within the meter set.

Please complete the warranty card attached and you can either mail or fax to INFOPIAUSA.

# Symbol Reference

Please refer to the table below to identify symbol



Serial number



This product fulfills the requirements of Directive 98/79/EC on in vitro diagnostic medical devices.



Caution, consult accompanying documents



In vitro diagnostic device



Batch code



Catalogue number



Store at



Consult operating instructions



Expiration date



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# ECLIPSE

Owner's Manual

