

INTRODUCTION:

Liberty Blood Glucose Monitoring System

The Liberty System is a simple, accurate way to test whole blood glucose (sugar) level, anytime, anywhere. Our goal is to provide quality healthcare products and dedicated customer service.

Caution! Please read complete Owner's Booklet and all product Instructions for Use.

Importance of Blood Glucose Monitoring

The more you know about diabetes, the better you will be able to care for yourself. A Doctor or Diabetes Healthcare Professional will determine your target range for blood glucose results and how often to test. Keeping results within your target range helps slow or stop complications from diabetes.

Having most blood glucose results within your target range shows how well a treatment plan is working to control glucose levels. **NEVER** change your treatment plan without consulting a Doctor or Diabetes Healthcare Professional.

Use of the Liberty System in a manner not specified in this Owner's Booklet is not recommended and may affect ability to determine true blood glucose levels.

IMPORTANT INFORMATION:

Health Related Information

- Inaccurate results may occur in severely hypotensive individuals or patients in shock. Inaccurate results may occur for individuals experiencing a hyperglycemic-hyperosmolar state, with or without ketosis. Critically ill patients should not be tested with a blood glucose meter.²
- Low blood glucose (hypoglycemia) symptoms may be:
 - trembling, sweating, intense hunger, nervousness, weakness, and trouble speaking.
- High blood glucose (hyperglycemia) symptoms may be:
 - intense thirst, a need to urinate often, a dry mouth, vomiting, and headache.

If you have any of these symptoms, check your blood glucose. If your result does not match the way you feel, repeat the test. If your results still do not match the way you feel, call your Doctor or Healthcare Professional.

WARNING!

Do not use the Liberty System if you are receiving:

- Peritoneal dialysis using solutions containing icodextrin (Extraneal[®], Icodial[®]) that is metabolized to maltose,
- Injections or infusions of solutions containing galactose or maltose, including some human immunoglobulin preparations (Octagam[®]),
- Xylose absorption testing,
- Intervenous solutions containing maltose,
- Any drugs which contain or metabolize to maltose, galactose, or xylose.

Using the System when receiving the above treatments may cause false high glucose results. False high results may cause you to give insulin, which may result in coma and death.³

IMPORTANT INFORMATION:

For the most accurate results using the Liberty System:

- **Read all instructions** before testing.
- **Meter displays results as *Plasma* values.**
- **Use only Liberty Test Strips and Liberty Glucose Control with the Liberty Meter.**
- **Do not use for diagnosis of diabetes or for testing blood glucose in newborns.**
- **Perform Control Tests *before* performing a blood glucose test for the first time** (see *Getting Started*).

Note: Two levels of Liberty Glucose Control Solution are available for Quality Control Testing. Call for availability using the number located on the cover of the Owner's Booklet for information on obtaining different levels of Liberty Glucose Control Solution.

- **The Liberty system is an *in vitro* (outside body) quantitative system that is used for self-testing and point-of-care testing of human whole blood only.**

For Healthcare Professionals:

- The most accurate results come from using fresh, capillary whole blood from fingertip or forearm. Venous whole blood drawn in EDTA (purple top tube) or heparin (green top tube) may be used. Mix tube contents gently before using.
- If comparing results between the Liberty System and a lab system, perform a Liberty System blood test within 30 minutes of lab test. Results from the Liberty System are considered accurate if within $\pm 20\%$ of lab results. If patient has recently eaten, fingerstick results from the Liberty System can be up to 70 mg/dL higher than venous lab results.⁴

Phone Number, Fast Test Guide, Expected Result
.....	see covers
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Know Your System

Meter

Top of Meter



① “ + ” Button

Increase numbers in Meter Set Up; add Alternate Site Symbol; move forward by date/time when viewing results in Memory.

② “ S ” Button

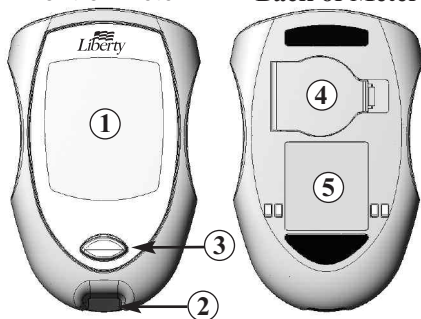
Select settings; view Average values; view results in Memory.

③ “ - ” Button

Decrease numbers in Meter Set Up; remove Alternate Site Symbol; move backward by date/time when viewing results in Memory.

Front of Meter

Back of Meter



① **Display Screen**

Shows results, messages, user prompts, information.

② **Test Port**

Insert Liberty Test Strip here.

③ **Strip Release Button**

Releases Strip after testing.

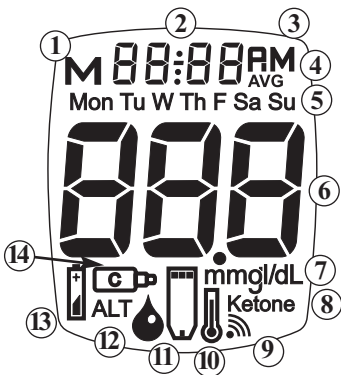
④ **Battery Door**

Use one non-rechargeable 3V lithium battery (#CR2032), positive (“+”) side up (see *Changing Battery*).

⑤ **Meter Label**

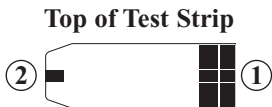
Contains Serial Number of Meter and phone number to call for assistance.

Full Display Screen



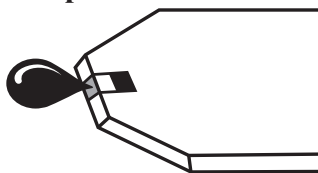
1. Result is from Memory
2. Time, Date
3. Time is AM/PM
4. Result is from 7, 14, or 30 day Average
5. Day of Week
6. Test Result
7. Units of Measure (*Note: Factory set, cannot be changed by user.*)
8. Ketone Test Alert (*see Meter Set-Up*)
9. Testing Reminder (*see Meter Set-Up*)
10. Temperature Symbol
11. Apply Sample Symbols
12. Alternate Site (ALT) Symbol
13. Battery Symbol
14. Control Symbol

Test Strip

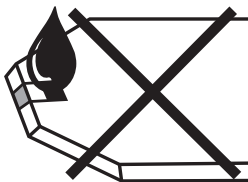


- ① **Contact End** - Insert into Test Port with contact end facing up.
- ② **Sample Tip** - Bring sample (fresh, capillary or venous blood or Glucose Control) to edge of Tip. Tip draws sample into Strip for testing.

Sample Placement



Correct Placement



Incorrect Placement

- Allow sample (blood or Glucose Control drop) to be drawn into Sample Tip.
- Do not smear or scrape drop with Strip.
- Do not apply more sample to the Strip after removing from drop.

Note: *Do not apply blood or Glucose Control to top of Test Strip!*

Note: *Do not insert Sample Tip with sample into Meter for testing. May cause Meter not to turn on.*

Test Strip Vial Label

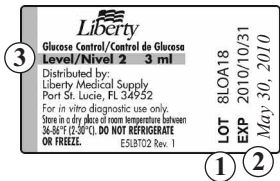
	LOT	L-003	
②	EXP	2010/10/31	①
	1	31-61	mg/dL
③	2	87-117	mg/dL
②	May 30, 2010		

- ① **Lot Number (LOT)** - Used for identification when calling for assistance.
- ② **Expiration Dates (EXP)** - Write date first opened on vial label. Discard vial and unused Strips if either 3 months after opening or date printed next to **EXP** on vial label has passed.

Caution! *Use of Test Strips or Glucose Control past the Expiration Dates may give incorrect test results. Discard out-of-date products and test with new products.*

- ③ **Control Range** - Range of numbers in which Control Test results must fall to assure the System is working properly.

Glucose Control Bottle Label



- ① **Lot Number (LOT)** - Used for identification when calling for assistance.
- ② **Expiration Dates (EXP)** - Write date first opened on bottle label. Discard bottle if either 3 months after opening or date printed next to **EXP** on bottle label has passed.
- ③ **Control Level (1 and 2)** - Two levels of Liberty Control are available. We recommend testing at least 2 levels of Control. Use the number on the front cover for information on how to obtain different levels of Control.

Getting Started

The Meter turns on automatically when a Test Strip is inserted into the Test Port or when “ S ” Button is pressed (see *Memory* and *Meter Set Up*). Meter turns off automatically when the Strip is released from the Meter or after 2 minutes of non-use.

Meter comes with pre-set time, date and all testing Alerts and Reminders off. Before using the Meter for the first time or after a battery change, check the time, date, Alerts and Reminders, and update as needed (see *Meter Set Up*).

We recommend performing Control Tests for practice before using your Meter for the first time to test your blood. Control Tests should also be performed:

- When using the System for the first time,
- Occasionally as you use the container of Test Strips,
- When opening a new vial of Strips,
- When Meter results seem unusually low or high, or
- Meter was dropped.

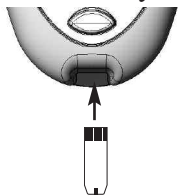
Quality Control Testing

To assure you are getting accurate and reliable results, the Liberty system offers two kinds of quality control tests. These tests let you know that your Liberty System is working properly.

Automatic Self-Test

An Automatic Self-Test is performed by the Meter each time a Liberty Test Strip is inserted correctly into the Test Port.

(Contact end facing up.)



If after inserting a Test Strip properly in the Test Port, the Full Display (no missing segments) displays followed by the **Apply Sample** Symbols, when the Meter is working properly.



If an error message appears in the Display, the Meter will not perform a test. If an error message appears, see *Troubleshooting* or call for assistance (*see cover for phone number*).



Caution! *If segments are missing in the Display when Meter is first turned on, do not use the Meter for testing. Call for assistance.*

Control Test

Control Tests check that the System is working properly.

Use **ONLY** Liberty Glucose Control to check performance of the System.

Important Information: *There are two levels of Liberty Glucose Control Solution available that contain known amounts of glucose. It is important to perform Control Tests with more than one level of Control to assure your System is working properly and your testing technique is good. See front cover for phone numbers to call for more information on obtaining different levels of Control.*

Caution! *Ranges printed on Strip vial label are for Control Test results only and **are not** suggested levels for your blood glucose.*
Do not drink Glucose Control.

How to Test Glucose Control

1. Allow Control, vial of Strips and Meter to adjust to room temperature 59-86°F. Write date first opened on both Control label and Strip vial label.

Note: *Running a Control Test at temperatures outside the range listed above may cause Control to read as a blood test.*

2. Check dates on Control label and Strip vial label. Do not use Control or Strips if either 3 months after opening or after date printed next to **EXP** on label. Discard out-of-date products and use new products if either date has passed.

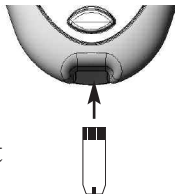


LOT	L-003
EXP	2010/10/31
1	31-61 mg/dL
2	87-117 mg/dL
May 30, 2010	

3. Swirl or invert bottle gently to mix Control. **DO NOT SHAKE!**
4. Remove Strip from vial. Recap Strip vial immediately.

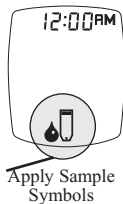
Note: *Use Strip quickly after removal from vial. Strips that have been left out of vial too long will give an error message. If error message appears in Display, discard old Strip and use new Strip for testing.*

5. Insert Strip into Test Port. (Contact end facing up.) Meter turns on.



6. Wait until **Apply Sample Symbols** appear in Display. Keep Strip in Meter until testing is finished.

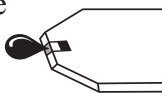
Note: *If Strip is removed before testing is finished, an error message appears. Release and discard old Strip. Use new Strip for testing.*



7. Turn Control bottle upside down. Squeeze one drop of Control onto a clean tissue. Wipe off bottle tip.
8. Gently squeeze a Control drop onto a small piece of unused aluminum foil or clear plastic wrap. Dispose after use.
9. With Strip still in Meter, touch edge of Sample Tip to drop of Control and allow drop to be drawn into Strip. Remove Strip from drop when Meter beeps.



10. Dashes appear across the Display to show Meter is testing.

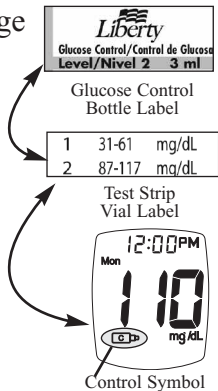


Note: *If Meter does not beep or begin testing soon after drawing up sample, (dashes appear in Display), release and discard Strip. Repeat test with new Strip. If problem persists, see Troubleshooting.*

11. Compare result to Control Range printed on Strip vial label for Control Level you are using.

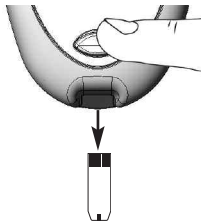
If result is in range, System can be used for testing blood. If result does not fall within range, repeat test using a new Strip.

Note: Control Test result shows the Control Symbol in the Display.



Caution! If Control Test result is outside range, test again. If result is still outside range, System should not be used for testing blood. Call for assistance (see front cover for phone number).

12. After test, Strip Release Button flashes. Hold Meter with Test Strip pointing down. Press Strip Release Button to release and discard Strip in appropriate container. Meter turns off.



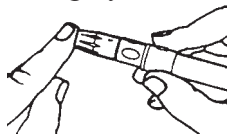
Obtaining a Blood Sample

Refer to Lancing Device “Instructions for Use” for detailed instructions.

- Never share a lancet or lancing device.
- Lancets are for single use only.

From Fingertip

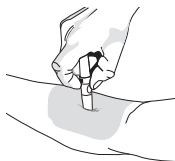
1. Prepare fingertip by washing hands in warm, soapy water. Rinse well. Dry thoroughly.
2. Place end of Lancing Device against tip of finger. Lance fingertip.
3. Set Lancing Device aside. To help blood drop form, lower hand to waist level, gently massage finger from palm to fingertip. Allow blood drop to form before attempting to apply to Test Strip.



Always remove and discard used Lancet in appropriate container when testing is complete.

For Forearm Testing

1. Select area to be lanced. Wash with soap and warm water, rinse and dry thoroughly.
2. Rub area vigorously or apply a warm dry compress to increase blood flow.
3. Place end of Lancing Device firmly against forearm. Press trigger button. Apply firm pressure on lancing device for 10 seconds.



***Note:** Some lancing devices include a special end cap for alternate site testing. Check lancing device Instructions for Use.*

Important Notes Regarding Forearm Testing⁵

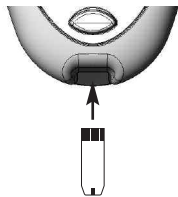
- Check with your Doctor or Diabetes Healthcare Professional to see if forearm testing is right for you.
- Results from forearm are not always the same as results from finger.
- Use finger instead of forearm for more accurate results:
 - Within 2 hours of eating, exercise, or taking insulin,
 - If your blood sugar may be rising or falling rapidly or your routine results are often fluctuating,
 - If you are ill or under stress,
 - If your forearm test results do not match how you feel,
 - If your blood sugar may be low or high,
 - If you do not notice symptoms when blood sugar is low or high.

How to Test Blood Glucose

1. Check dates on Test Strip vial being used. Do not use if either 3 months after opening or after date printed next to **EXP** on label has passed.
2. Wash hands (and forearm for alternate site testing). Rinse well and dry thoroughly.
3. Remove Strip from vial. Recap vial immediately.

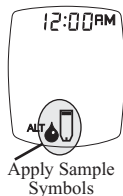
Note: *Use Strips quickly after removal from vial. Strips that have been left out of vial too long gives an error message. Discard old Strip and use new Strip for testing.*

4. With Meter off, insert Test Strip Contact End (contact end facing up) into Test Port. Meter turns on. Keep Strip in Meter until testing is finished.

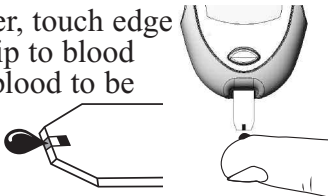


Note: *To mark test as alternate site result, press “ + ” Button. ALT Symbol appears in Display. Press “ - ” to remove ALT Symbol.*

5. Wait until **Apply Sample** Symbols appear in Display.
6. Lance fingertip or forearm. Allow drop to form (see *Obtaining a Blood Sample*).



7. With Strip still in Meter, touch edge of Test Strip Sample Tip to blood drop and hold. Allow blood to be drawn into Strip until Meter beeps.

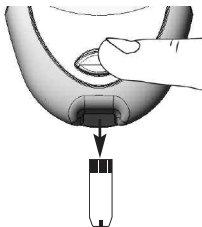


Note: *If Meter does not beep or begin testing after touching blood drop to Strip Sample Tip, discard Strip. Repeat test with new Strip and new blood drop. If problem persists, see Troubleshooting.*

8. Dashes appear across Display to show Meter is testing.
9. After the test is finished, result is displayed. The Strip Release Button flashes. Record result in log book.
10. Hold Meter with Strip pointing down. Press Strip Release Button to discard Strip. Meter turns off. Result is stored in Memory with day, date and time.



Note: *Removing Strip before result displays cancels the test. An error message appears and result is not stored in Memory. Retest with a new Strip and do not remove before result is displayed.*



System Out of Range Warning Messages

WARNING!

Meter reads blood glucose levels from 20-600 mg/dL.



If blood test result is less than 20 mg/dL, “Lo” appears in Meter Display.

If blood test result is greater than 600 mg/dL, “HI” appears in Meter Display.



ALWAYS repeat test to confirm Low (“Lo”) and High (“HI”) results. If results still display “Lo” or “HI”, call your Doctor or Diabetes Healthcare Professional *immediately*.

Note: “Lo” results are included in the Average as 20 mg/dL. “HI” results are included as 600 mg/dL.

If blood glucose test result is greater than 240 mg/dL, and Ketone Testing Alert is turned on, “Ketone” appears in Display with glucose result (see *Ketone Testing Alert*).



Ketone Alert

Note: *Ketone Testing Alert can be turned on or off during Meter Set-up.*

Meter Set Up

Note: *If the Meter turns off at any time during Set Up, go back to Step #1 under Meter Set Up and begin again.*



1. Press and hold “ S ” until tone sounds (around 30 seconds). Release “ S ”. The full Display appears and the Meter goes into Set Up.



Set Time/Date

2. The hour flashes. To change, press “ + ” or “ - ” on top of the Meter to select the hour. Like many alarm clocks, to set "AM" or "PM", scroll through the hours until "AM" or "PM" appears in the Display. Press “ S ” to set.



Note: *"AM" or "PM" does not display if Meter is factory set to 24-hour clock.*

3. The minutes flash. To change, press “ + ” or “ - ” to select the minutes. Press “ S ” to set.





4. The month (number) flashes. To change, press “ + ” or “ - ” to select the month. Press “ S ” to set.



5. The day (number) flashes. To change, press “ + ” or “ - ” to select the day. Press “ S ” to set.



6. The year flashes. To change, press “ + ” or “ - ” to select the year. Press “ S ” to set.



Note: *Day of the week (Mon, Tue, Wed, Thu, Fri, Sat, Sun) self-adjusts when month, day or year are changed.*



Note: *Meter beeps every time a setting is confirmed (“ S ” is pressed).*

Setting Alert

Ketone Testing Alert

Note: *If the Meter turns off at any time during Set Up, go back to Step #1 under Meter Set Up and begin again.*

When a blood glucose result is over 240 mg/dL, the Ketone Testing Alert is a reminder to check your ketones per your treatment plan.

1. After setting year, press “ + ” or “ - ” to turn Alert on or off.
Press “ S ” to set.



Caution! *When a Ketone Testing Alert sounds, it does not mean that ketones have been detected in your blood. Perform a ketone test per your health plan, as prescribed by your Doctor or Healthcare Professional.*

Testing Reminder

Up to four Testing Reminders per day may be set. Reminder sounds at set time for 10 seconds. Reminder turns off when Strip is inserted for testing.

To set the Testing Reminders:

1. After pressing “ S ” to set Ketone Testing Alert, Display shows first Reminder setting (A-1). Press “ + ” (on) or “ - ” (off) to turn Reminder on or off.



2. If “on” is chosen, press “ S ” . The hour flashes. Press “ + ” or “ - ” to set the hour. To set AM/PM, scroll (press “ + ” or “ - ”) until “AM” or “PM” is next to correct time. Press “ S “ to set.



Note: “AM” or “PM” will not display if the Meter is factory set to 24-hour time format.

If “off” is chosen and the “ S ” is pressed, the Meter goes to the next Testing Reminder set-up.

3. Press “ + ” (on) or “ - ” (off) to turn Reminder on or off.
4. The minutes flash. Press “ + ” or “ - ” to set the minutes. Press “ S ” to set.



5. Turn Reminders on and repeat setting the time for next 3 Reminders (if needed).



6. Press and hold “ S ” when finished to turn off Meter. Meter turns off after 2 minutes of non-use.



Note: *If Alert or Testing Reminders are set, the Alert Symbol appears in all Displays.*



Alert Symbol

Note: *If battery dies or is replaced, Alerts and Testing Reminders may have to be reset.*

Exit Set-Up

Press and hold “ S ” until Meter turns off. Set-up choices are saved.

Viewing Averages (7, 14 and 30-Day)

The Averages feature allows you to view the average of all your blood glucose results within a 7, 14, or 30 day period. Control Test results are not normally included in the Averages.

Note: *If a Control Test is performed outside the recommended testing temperature (see How to Perform a Control Test), the Control may read as a blood test and be included in the Averages.*

You can review the average of your glucose results from the last 7, 14, or 30 days.

1. Start with Meter off. Press and release “ S ” Button. Display scrolls through 7, 14 and 30-Day Average values.
2. Meter turns off after 2 minutes if no buttons are pressed.

Note: *If there are no Average values, three dashes are displayed for 7, 14, and 30-day Averages.*



Viewing Results in Memory

Memory stores 500 results. Oldest result drops from Memory when Memory is full and a new result is added.

1. Press and release “ S ” Button. Meter displays 7, 14 and 30-day Averages. Press and release “ S ” again to view most recent Control Test result in Memory.
2. Press “ + ” and release to advance to the first blood test. Press “ + ” to scroll forward through results or “ - ” to scroll backwards through results.

Test results marked as alternate site display **ALT** Symbol.



Alternate Site Symbol

Control Test results display the Control Symbol. If no Control Test has been done, Display shows dashes and the Control Symbol.



Control Symbol

Test results above 240 mg/dL display Alert Symbols, when Ketone Testing Alert is turned on during user Meter Set Up.



Ketone Testing Alert

Caring for the Liberty System

- Store System (Meter, Glucose Control, Test Strips) in Carrying Case to protect from liquids, dust and dirt.
- Store in a dry place at room temperature 36-86°F.

DO NOT REFRIGERATE OR FREEZE.

Meter Care

- Wipe Meter with clean, lint-free cloth dampened with mild detergent/soap or 10% household bleach and water.
- Never put Meter in liquids or allow any liquids to enter Test Port.
- Do not use alcohol to clean Meter. Cleaning the Meter with alcohol **WILL** cause damage.

Liberty Glucose Control Care

- Write date opened on Control label. Discard if either 3 months after opening or after date printed next to **EXP** on label has passed.
- After use, wipe bottle tip clean and recap tightly.
- Store at room temperature 36-86°F.

DO NOT REFRIGERATE OR FREEZE.

Liberty Test Strip Care

- Store Strips in original vial only. Do not transfer old Strips to new vial or store Strips outside of vial.
- Write date opened on Strip vial. Discard unused Strips in vial if either 3 months after opening or after date printed next to **EXP** on label has passed. Use of Strips past either date may give incorrect results.
- Close vial immediately after removing Strip. Store Strip vial in a dry place at room temperature below 86°F.
DO NOT REFRIGERATE OR FREEZE.
- Do not reuse Strips.
- Do not bend, cut or alter Strips in any way.

Changing Battery

A low battery displays Battery Symbol while continuing to function.

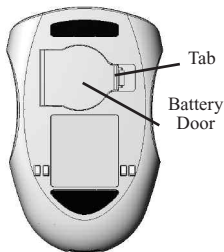
A dead battery displays Battery Symbol, beeps, and then turns off.



Low

To replace battery:

1. Lift tab on Battery Door.
2. Turn Meter over, tap gently on the palm of your other hand to loosen and remove battery.
3. Discard old battery into appropriate container.
4. Insert new battery, positive (“+”) facing up. Close Battery Door.



Note: Use non-rechargeable 3V lithium battery (#CR2032).

5. Press “ S ” Button to turn Meter on and check time/date (see *Meter Set Up*). If Meter does not turn on, check that battery was installed properly. If not, remove and reinsert battery and turn Meter on by pressing “ S ” . Call for assistance if problem persists.

Caution! *Batteries might explode if mishandled or incorrectly replaced. Do not dispose of battery in fire. Do not take apart or attempt to recharge battery. Dispose according to local/country specific regulations.*

Note: *Changing battery may affect date, time, Alert and Reminder settings. Check settings by going to Meter Set Up. Press “ S ” to scroll through settings. Change user settings as needed.*

Troubleshooting

1) After inserting Test Strip, Meter does not turn on.






Reason	Action
Strip inserted upside down or backwards	Remove Strip. Re-insert correctly.
Strip not fully inserted	Remove Strip. Re-insert Strip fully into Meter.
Strip Error	Repeat with new Strip.
Dead or no battery	Replace battery.
Battery in backwards	Battery positive (“+”) side must face up.
Meter Error	Call for assistance.

2) After applying sample, test does not start/ Meter does not beep or begin testing.

Reason	Action
Sample drop too small	Repeat test with new Strip and larger drop.
Sample applied after two minute shut-off	Repeat test with new Strip. Apply sample within 2 minutes of inserting Strip.
Problem with Strip	Repeat with new Strip.
Problem with Meter	Call for assistance.







For assistance, see cover for phone number.

Messages

<u>Display</u>	<u>Reason</u>	<u>Action</u>
	Temperature Error • Too Cold/ Too Hot	Move Meter and Strips to area between 50-104°F; wait 10 minutes for System to reach room temperature before testing.
	Sample Not Detected or Using Wrong Test Strip	Retest with new Liberty Test Strip and larger sample.
	Used Strip or Test Strip Outside of Vial Too Long	Repeat with new Strip. If error persists, call for assistance.
	Meter Error	Call for assistance.
	Test Strip Error	Retest with new Strip. If error persists, call for assistance.

For assistance, see cover for phone number.

Messages *(continued)*

<u>Display</u>	<u>Reason Strip Removed During Test</u>	<u>Action</u>
	Reason Strip Removed During Test	Retest with new Strip. Make sure result is displayed <u>before</u> removing Strip.
	Memory Error	Result was not recorded in Memory. Retest with new Strip. If error persists, call for assistance.
	Communication Error	Call for assistance.
	Low or Dead Battery	Low: About 50 tests can be done before battery dies. Dead: Battery Symbol appears and beep sounds before Meter turns off.
 	Out of Range-High Results >600 mg/dL Out of Range Low Results <20 mg/dL	<u>WARNING!!</u> Retest with new Strip. If result is still “HI” (High) or “Lo” (Low) contact Doctor <i>immediately</i> . <u>WARNING!!</u>

For assistance, see cover for phone number.

Meter Specifications

Result Range: 20-600 mg/dL

Sample Size: Minimum 0.5 microliter (0.5 μ l)

Sample: Fresh capillary whole blood, venous blood drawn in EDTA or heparin tubes, or Glucose Control

Test Time: Results in as little as 4 seconds

Result Value: Plasma values

Assay Method: Electrochemical

Power Supply: One 3V lithium battery
#CR2032 (non-rechargeable)
Total power when active
at full battery = 8.6mW

Battery Life: Approximately 2146 tests or 1.5 years

Automatic shut-off: After two minutes of non-use

Weight: 1.66 ounces

Size: 3.44" x 2.16" x 0.69"

Memory Size: 500 glucose results

System Operating Range (Meter & Test Strips):

Relative Humidity: 10-90% (Non-condensing)

Temperature: 50-104°F

Hematocrit: 20-60%

Note: *Use within specified environmental conditions only.*

Chemical Composition

Liberty Test Strips: Glucose dehydrogenase-PQQ (*Acinetobacter calcoaceticus*), mediators, buffers and stabilizers.

Liberty Glucose Control: Contents: Water, d-glucose, buffers, viscosity enhancing agent, salts, dye and preservatives.

Liberty Limited Lifetime Warranty

Home Diagnostics, Inc. provides the following Warranty to the original purchaser of the Liberty Blood Glucose Meter:

- 1) Home Diagnostics Inc. warrants this Meter to be free of defects in materials and workmanship at the time of purchase. If the meter is ever inoperative, Home Diagnostics, Inc will replace the Meter with an equivalent Meter, at its option, at no cost to the purchaser. Failure of the meter due to abuse or use not in accordance with the instructions for use is not covered by this Warranty.
- 2) This Warranty does not include the battery supplied with the Meter.
- 3) Do not take the Meter apart. This action will void the Warranty and cause the Meter to display false results.
- 4) The duration of any implied Warranty, including any implied Warranty of merchantability or fitness for a particular purpose shall be limited to the lifetime in use with the original user in accordance with any state law to the contrary.
- 5) Home Diagnostics, Inc. disclaims liability for incidental or consequential damages for breach of any expressed or implied Warranty, including any implied Warranty of merchantability or fitness for a particular use with respect to the Meter. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply.
- 6) This Warranty gives the user specific legal rights, and the user may also have other rights which vary state to state.

Your Home Diagnostics, Inc. Technical Service Representative will be able to provide detailed information regarding procedures for returning your Meter, if necessary.

References

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4. Larson-Conn U: *Difference between capillary and venous blood glucose during oral glucose tolerance tests*. Scand J Clin Lab Invest 36:805-808, 1976.
5. Food and Drug Administration 2003. *Diabetes Information - Glucose Meters and Diabetes Management*. [Electronic Version]. Retrieved August 11, 2003: www.fda.gov/diabetes/glucose.html.

