![Abbott logo]

FreeStyle
FLASH®

Blood Glucose Monitoring System
Sistema de prueba para glucosa en sangre

Virtually Pain-Free Testing

Pruebas prácticamente indoloras
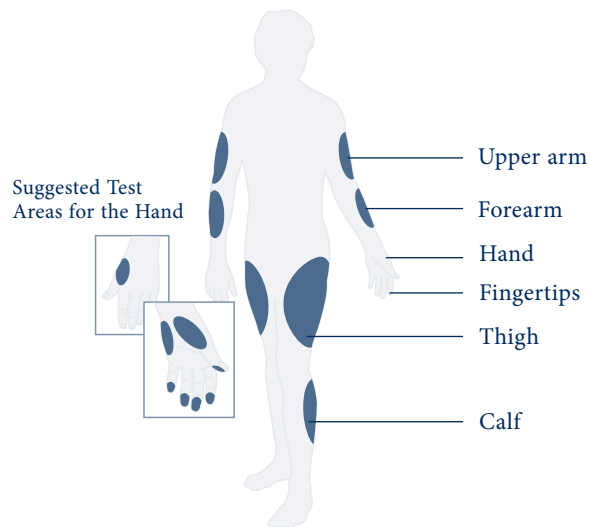
Owner's Booklet

Manual del propietario

Abbott

Table of Contents

The FreeStyle Flash® System Uses the World's Smallest Sample So You Can Test on a Variety of Locations

Most Test Sites Available

Suggested Test Areas for the Hand

Upper arm

Forearm

Hand

Fingertips

Thigh

Calf

The human figure above shows the areas where you can test with the FreeStyle Flash System. Avoid moles, veins, bones, and tendons.

WARNING:
We recommend that you test on your fingers or palm, at the base of the thumb if you are testing for hypoglycemia (low blood glucose) or if you suffer from hypoglycemia unawareness.

Important Information About Your FreeStyle Flash® Blood Glucose Monitoring System

How the FreeStyle Flash System Should Be Used

- The FreeStyle Flash System is intended for use outside the body (in other words, in *vitro* diagnostic use only).
- The FreeStyle Flash System is used for measuring blood glucose (also known as blood sugar) from samples taken from the forearm, upper arm, hand, thigh, calf, or fingers.
- The FreeStyle Flash Meter should only be used with FreeStyle® Test Strips and FreeStyle Control Solution. Using other brands of test strips and control solution with this meter can produce inaccurate results.

Do use the FreeStyle Flash Meter for:
- Testing blood glucose.
- Testing only with fresh capillary whole blood samples.

Do not use the FreeStyle Flash Meter for:
- The diagnosis of diabetes.
- Testing on newborns.
- Testing of arterial blood.

WARNING:
- The FreeStyle Flash System contains small parts that may be dangerous if swallowed.
- Patients receiving peritoneal dialysis using a solution containing Icodextrin should not use the FreeStyle Flash System.

Caution: Please read all the instructions provided in this *Owner's Booklet* and practice the testing procedures before using the FreeStyle Flash System. Blood glucose monitoring should be done with the guidance of a healthcare professional.

Important Health-Related Information

- Severe dehydration and excessive water loss may cause false low results. If you believe you are suffering from severe dehydration, consult your physician immediately.

- Peritoneal dialysis solution containing Icodextrin or compounds of Galactose ≥13 mg/dL, Maltose ≥20 mg/dL or Lactose ≥10 mg/dL causes the FreeStyle Flash Blood Glucose Monitoring System to overestimate blood glucose test results.

- Test results below 60 mg/dL mean low blood glucose (hypoglycemia).

- Test results greater than 240 mg/dL mean high blood glucose (hyperglycemia).

Important Health-Related Information (cont)

- If you get results below 60 mg/dL or above 240 mg/dL and do not have symptoms of hypoglycemia or hyperglycemia, repeat the test. If you have symptoms or continue to get results that fall below 60 mg/dL or above 240 mg/dL, follow the treatment advice of your healthcare professional.

- If you are experiencing symptoms that are not consistent with your blood glucose test and you have followed all instructions described in the FreeStyle Flash® Owner's Booklet, call your healthcare professional.

The FreeStyle Flash® Meter and How It Works

Data Port

Download test results. Requires a compatible data management system.

c (Configure) Button

- Marks a control solution test.
- Changes the test strip code (scrolls forward), date, time, alarm settings, sound options, and reviews stored readings.

Display Screen

Displays your test results and other important information.

m (Mode) Button

- Move to different mode settings.
- Changes the test strip code (scrolls backward).
- Silences an alarm.

Test Strip Port

Insert the **Top** end of a new FreeStyle® Test Strip here. The meter powers on when you insert the test strip.

Light Button

Controls the display backlight and test light.

Top

FreeStyle Test Strip

Sample Areas (dark-colored half-circles on Test Strip Edge)

Apply blood or control solution to one Test Strip Edge only. Insert printed side up (with the dark-colored rectangle going into the meter.
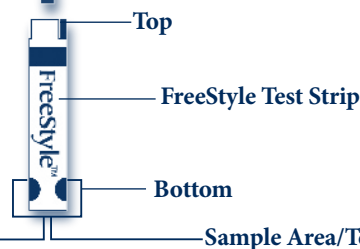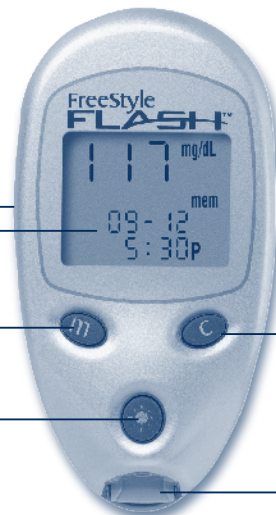
Bottom

Sample Area/Test Strip Edge

The FreeStyle® Flash Meter Display

Control Solution Test Result Symbol

Shows that you have marked a test result as a control solution test.

Test Result Area

Displays test results.

Battery Symbol

Appears when you should replace your meter batteries.

Memory Mode Symbol

Shows you test results stored in the meter memory.

Message Area

Displays date, time, number of tests, and software version.

Check Owner's Booklet Symbol

Appears with another symbol to indicate the relevant reference in the FreeStyle Flash *Owner's Booklet*.

Blood Drop and Test Strip Symbols

These symbols work together in an animation to tell you when the meter is ready for you to apply blood or control solution.

mg/dl (U.S. Standard)

Indicates unit of measurement.

Date Setup Symbol

Appears in Set mode when setting the date format.

14-Day Average Symbol

Shows the average value of glucose readings from the last 14 days.

Check and Set Test Strip Code Symbol

Appears when you should check and set the test strip code.

Thermometer Symbol

Appears if your meter is out of operating temperature range.

Clock Symbol

Appears in Clock mode and in Set mode when setting the time.

Sound Level Symbols

Indicates high, low, or off sound volume.

P Symbol

Indicates PM in 12-hour format.

The FreeStyle® Test Strip

Apply blood or control solution to only *one Test Strip Edge* per test.

Important: *Use only one sample area of the test strip per test. Do not apply blood to both sample areas. Test strips may be used only once. Discard used test strips. You can continue to fill the test strip for up to 60 seconds. Be sure to reapply the sample to the same sample area.*

Test Strip Edge

> **WARNING:**
> The cap or vial contains drying agents that may be harmful if inhaled or swallowed and may cause skin or eye irritation.

Important Test Strip Information

- The FreeStyle Flash System has an operating range of 40° to 104° F.
- Store the test strip package in a cool, dry place between 37° and 86° F.
- Use test strips only within the system operating temperature range.
- Keep away from direct sunlight and heat.
- Store your test strips in their original vial only; never transfer them to another vial or any other container.
- Never store individual test strips outside the vial.
- After removing a FreeStyle Test Strip from the vial, immediately close the vial cap tightly.
- With clean, dry hands, you may gently touch the test strip anywhere when removing it from the vial or inserting it into the meter.
- Do not use test strips beyond the expiration date. This may cause inaccurate results.
- Do not bend, cut, or alter FreeStyle Test Strips.

Note: For further information, refer to the FreeStyle Test Strip package insert.

The FreeStyle® Control Solution

FreeStyle Control Solution is a red liquid that contains a fixed amount of glucose that is used to:

- Practice testing without having to use your own blood.
- Ensure that your meter and test strips are working together properly.

A control solution test should be performed

- When you question your results and want to confirm that your monitor and test strips are working properly.

For information on how to obtain Control Solution, call Customer Care at 1-888-522-5226.

Important Control Solution Information

FreeStyle® Control Solution is good for three months after opening the bottle or until the expiration date printed on the label, whichever comes first.

Important: *Count forward three months from the date you open a new bottle of control solution. This is your discard date. Write this date on the side of the control solution bottle.*

Example: You open the control solution on January 15th. Count forward three months to April 15th. This is the discard date that you record on the bottle.

- Use only FreeStyle Control Solution with your FreeStyle Flash Meter.
- Replace the cap on the control solution bottle immediately after using.
- Do not use control solution past the expiration date.
- Do not add water or any liquid to control solution.
- Control solution tests are specified to be accurate only when used between 59° to 104° F.
- The control solution test results should fall within the range printed on the test strip vial label.

Important: The control solution range is a target range for control solution only. It is not a target range for your blood glucose level.

- If control solution results are out of this range, repeat the test.
- If your control solution test results continue to fall outside the range printed on the test strip vial, do not use the FreeStyle Flash System to test your blood glucose. Contact Customer Care.

Caution: Results from FreeStyle Control Solution tests do not reflect your blood glucose level.
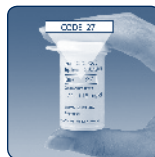
Performing a Control Solution Test

1 Insert the top of the test strip into your meter until it stops. This will power on the meter.

2 The code number on the display must match the code number on the side of your test strip vial. Refer to "Setting the Test Strip Code".

Wait for the meter to display the Blood Drop and Test Strip symbols.

Note: Be ready to adjust the code on the meter to match the code number on the test strip vial.

3 Gently touch only *the Sample Area* of the Test Strip Edge to the control solution.

**Important:** *Do not apply control solution to both Test Strip Edges.*

If the sound prompt is on, your meter will beep when the test strip is full. A short line then moves clockwise around the display screen while the sample is processing.

The result will appear on the display screen and if the sound is on, your meter will beep twice. To mark the result as a control solution result, press and hold the "**c**" button for two seconds until the control solution symbol ($\overline{\text{CONT}}$) appears at the top of the display screen.

If you have marked a blood glucose test as a control solution test by mistake, you can unmark it by pressing and holding the "**c**" button again for two seconds.
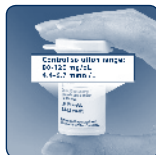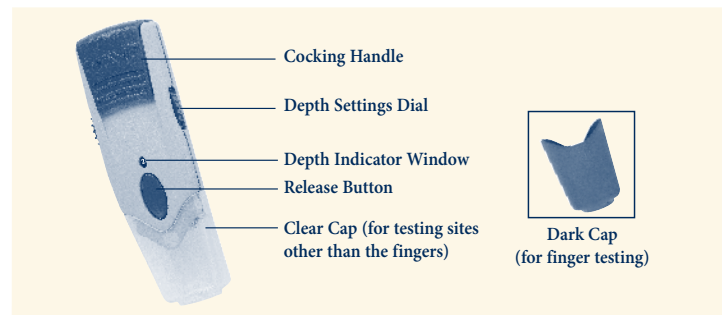
4 Compare your control solution test result to the range printed on your test strip vial label. Your control solution results should fall within the range printed on the side of your test strip vial.

Out of range test results may be caused by:
- Expired or bad control solution.
- Expired or bad test strip.
- Error in performing test.
- Watered-down control solution.
- Code on test strip vial does not match code set in meter.
- Meter malfunction.
- Control solution test done outside 59° to 104° F.

To return the meter to clock mode, remove the test strip.

The FreeStyle® Lancing Device

Cocking Handle

Depth Settings Dial

Depth Indicator Window

Release Button

Clear Cap (for testing sites other than the fingers)

Dark Cap (for finger testing)

Using the Lancing Device

1 **Remove Cap**
Snap off the cap on the lancing device at an angle.

2 **Insert Lancet**
Insert a new FreeStyle Lancet firmly into the white lancet holder cup. (Pushing the lancet into the cup may cock the device; this is okay.)

3 **Twist Off the Rounded Top**
Hold the lancet firmly in place with one hand; use your other hand to twist off the rounded top.

4 Replace Cap

Replace the cap until it snaps or clicks into place. Be careful not to touch the exposed needle on the lancet.

Important: Use the clear cap on the lancing device for the following test sites: forearm, upper arm, hand, thigh, and calf.
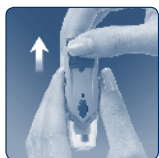
Use the dark cap for finger tests.

5 Set the Lancing Level

The FreeStyle Lancing Device offers four different settings. Move the dial to the desired setting as shown in the depth indicator window. To lance your arm we recommend that you start at Level 2.

Level 1 is the shallowest depth; Level 4 is the deepest.

To lance your finger, we recommend that you start at Level 1.

6 Cock the Handle

Pull the dark cocking handle out until it clicks. (You may have already cocked the handle in step 2; this is okay.)

You are now ready to perform a blood glucose test.

Testing Your Blood Glucose

Important: To ensure accurate results, wash your hands and test site (for example, your forearm) with soap and water. Make sure there is no cream or lotion on the test site. Thoroughly dry your hands and test site.

- With the FreeStyle Flash® Meter, you can test your blood glucose on your forearm, fingers, upper arm, hand, thigh, or calf.

- Testing with the FreeStyle Flash Meter requires a very small sample size, 0.3 microliters of blood; about the size of pinhead (**example**: •).

- Most healthcare professionals recommend testing when blood glucose values are stable: before meals and before bedtime. However, when blood glucose is changing, blood from the fingertips or palm (at the base of the thumb) may show these changes sooner than blood from other sites.

> **WARNING:**
> We recommend that you test on your fingers or palm if you are testing for hypoglycemia (low blood glucose) or if you suffer from hypoglycemia unawareness.

Times when you may be checking for low blood glucose include:

- When you are feeling symptoms such as weakness, sweating, nervousness, headache, or confusion.

- When you have delayed a meal after taking insulin.

- When your healthcare professional advises you to do so.
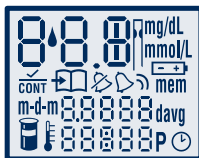
Performing a Blood Glucose Test

1

Prepare Your Meter

Insert a new test strip into the meter until it stops. The meter will power on.

Note: If you do not start the test within two minutes, the meter returns to clock mode. To restart your meter, take out the unused test strip and reinsert it into the meter.

System Check

Setting the Test Strip Code

When the meter powers on, three display screens will appear in the following order:

Code Number

When you see the word "COdE" and a code number on the display screen, use the "**c**" button to scroll forward or the "**m**" button to scroll backward until the number matches the number on your test strip vial. The FreeStyle Flash® Meter has a total of 50 codes.

Setting the Test Strip Code *(cont)*

Blood Drop and Test Strip Symbols

- After you set your code number, the Blood Drop and Test Strip symbols will appear on the display screen.

- If you want to return to the code number display screen after the Blood Drop and Test Strip symbols appear, press the "**c**" button.

Note: To ensure accurate test results, make sure the code number on your meter always matches the number in the box outlined in blue, located on the side of the test strip vial.

Caution: Take care to not press the "**c**" or "**m**" buttons when you are holding the meter while performing the blood test. If you do, you might change the code and get an incorrect reading or an Error 6.

2

Lance Your Forearm, Upper Arm, Hand, Thigh, or Calf

To bring fresh blood to the surface of the test site, rub the test site vigorously for a few seconds until you feel it getting warm.

Lance Your Forearm, Upper Arm, Hand, Thigh, or Calf *(cont)*

a. Hold the clear cap down against the top of your test site. Press the release button. **Do not lift up.**

b. Continue to hold the lancing device and **gradually** increase pressure for several seconds.

c. While holding the lancing device on your test site, look through the clear cap; the blood sample should be about the size of a pinhead (**example**: •).

d. Lift the lancing device straight up; be careful not to smear the blood sample on your test site.

Important: *Avoid lancing areas with obvious veins or moles to avoid excess bleeding.*
Important: *Avoid lancing areas where tendons or bones stick out (for example, hand bones and ankle bones.)*

Lancing Your Palm

When lancing on the palm (at the base of the thumb) use the clear cap as you would for any alternative site, but there is no need for vigorous rubbing.

• Physiologic differences in the circulation between the finger or palm (at the base of the thumb) and other test sites like the forearm, upper arm, top of hand, thigh, and calf may result in differences in blood glucose measurements from these test sites and your finger or palm (at the base of the thumb). Differences in blood glucose measurement between the other test sites and your finger or palm (at the base of the thumb) may be observed after eating, insulin medication, or exercise.

Lancing Your Finger

a. Set the depth setting on the lancing device to Level 1.

b. Lightly touch the lancing device (with the gray cap) against the side of your fingertip.

c. Press the release button.

d. Gently squeeze your finger, if needed, until a blood drop the size of a pinhead forms (example: •).

Filling the Test Strip with Blood

3

a. Make sure that the test strip is in the meter and the meter is powered on. (If the meter is in clock mode, take out the test strip and reinsert it into the meter.) You are now ready to apply the blood sample.

b. Bring the test strip to the blood sample at a slight angle.

c. The test strip acts like a sponge and pulls the blood into the strip through the sample area.

Test Strip Edge

STOP

- Do not press the test strip against the test site.
- Do not scrape the blood onto the test strip.
- Do not apply blood to the flat side of the test strip.
- Do not apply blood to the test strip when the test strip is out of the meter.
- Do not put blood or foreign objects into the test strip port.

4 **Waiting for Result**

- Do not pull the test strip away until you hear one beep or see the short line moving clockwise on your meter screen. This means you have enough blood and the meter is reading your glucose.

- If after five seconds your meter does not show a short line moving around the display screen, the sample may be too small. You may add blood to the same sample area of the test strip from which you started for up to 60 seconds from the time of the first application.
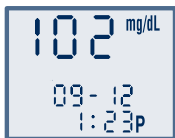
- The test result is complete when your blood glucose test result is shown on the display screen. If the sound prompt is on you will hear two beeps.

- The time that the meter takes depends on your blood glucose level. The higher your glucose level, the longer it takes to get a result.
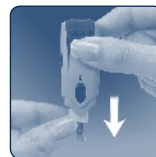
5 **Removing the Lancet**

When you have finished testing, snap off the cap from the lancing device.

Pinch the white clip that holds the lancet until the lancet falls out.

Potential Bruising

It is possible you may experience bruising at the test site. If bruising does occur, you may choose to lance another test site.

Maintenance

Use isopropyl alcohol or soap and water to wipe the outside of the lancing device. If you wish, remove the cap, wash it in warm water and rinse well.

Important: *Do not immerse the body of the lancing device in water or any other liquid.*

LO and HI Readings

Important: Low or high blood glucose readings can indicate a potentially serious medical condition. The FreeStyle Flash® Meter displays results from 20 to 500 mg/dL.

If your test result is lower than 20 mg/dL, LO will appear on the meter display screen. This reading indicates severe hypoglycemia (low blood glucose).
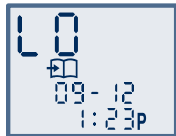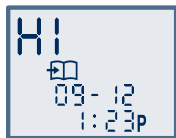

LO Reading

LO Reading *with* Symptoms

If you have a LO reading and have symptoms such as weakness, sweating, nervousness, headache or confusion, **then** follow your doctor's recommendation to treat hypoglycemia.

LO Reading *without* Symptoms

If you get a LO reading, but have no symptoms of low blood glucose, **then** retest with a new test strip on your fingers or palm. If you still get a LO reading, follow your doctor's recommendation to treat hypoglycemia.

If your test is above 500 mg/dL, HI will appear on the display screen. This indicates severe hyperglycemia (high blood glucose).

HI Reading

HI Reading *with* Symptoms

If you feel symptoms such as fatigue, thirst, excess urination, or blurry vision, **then** follow your doctor's recommendation to treat hyperglycemia.

HI Reading *without* Symptoms

If you get a HI reading, but have no symptoms of high blood glucose, **then** retest with a new test strip. If you still get a HI reading, follow your doctor's recommendation to treat hyperglycemia.

Using Your Meter's Lights

Depending on what mode your meter is in, pressing the light button (☀) lights either the display backlight or the test light.

Using the Display Backlight

Pressing the light button powers on the display backlight in all modes except when applying a sample (for example, clock, memory, and set).

The display backlight goes out when you press the light button (☀) again or when the meter is inactive for 10 seconds.

Using the Test Light

Pressing the light button while the Blood Drop and Test Strip symbols appear on the display screen powers on the test light. The test light goes out:

- When you press the light button again.
- When the meter receives the correct amount of blood for a test (the test strip is filled).
- After 60 seconds of no activity.
- When a test strip is removed from the meter.

If you use either the backlight or the test light during the test mode, the backlight lights again to show you the test results after the measurement is complete.

Meter Set-Up

- **To Enter Setup Mode**
  Start with the meter in clock mode (no test strip inserted). Press and firmly hold the "**m**" button until the ⌂⌂⌂ display screen appears.

- **To Exit at Any Time**
  Press and hold the "**m**" button until the meter returns to clock mode.

- **To Move Through the Screens**
  Press the "**m**" button to move through all the setup screens such as alarms, sound level, time, date, and so on.

- **To Change Settings Within the Screen**
  Press the "**c**" (configure) button.

Setting the Alarm

You may set up any or all of the alarms (1-4). Note: An alarm will never sound during a test.

To set an alarm or multiple alarms please follow these steps.

1. Start with the meter in clock mode. Press the "**m**" button and hold until the ⌂⌂⌂ display appears with 01234. You are now in the Alarm setting mode and the "0" is blinking.

Select alarm

2. To move to the first alarm press the "**c**" button once. You are now ready to set alarm 1 ("1" is blinking).

Select hour

Select minute

Select alarm volume

Select alarm

3. To set the hour for alarm "1" press the "**m**" button once, the hour should now be blinking. To change the hour press the "**c**" button until the correct alarm hour is displayed. Press the "**m**" button to move to minutes, the minutes should now be blinking. To change the minutes press the "**c**" button until the correct time is displayed.

4. Press the "**m**" button to select the volume setting of the alarm. The default symbol ⌂ indicates the alarm is off, to turn alarm 1 on press the "**c**" button once to set alarm 1 at the low volume setting ⌂, press the "**c**" button again to set at the high volume level ⌂.

5. Press the "**m**" button to finalize your alarm setting. This will bring you back to the alarm setting ⌂⌂⌂ mode. If you wish to set multiple alarms Press "**c**" to move to alarm 2. Follow steps 3-5 to set each of the 4 alarms.

6. To exit the setting the alarm mode press and hold the "**m**" button until the clock mode appears.

Note: Pressing the "**m**" button when "0" is blinking in the alarm setting mode moves you out of the alarm setting mode and on to the next meter setup mode "Setting the Sound" of your meter.

Setting the Sound

There are three (3) sound volume options:
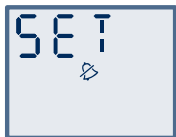
| Off | Low | High |

1. Start with the meter in clock mode. Press the "**m**" button and hold until the ⎓⎓⎓ display appears with 01234. You are now in the Alarm setting mode and the "0" is blinking.

2. Press the "**m**" button to move to "Setting the Sound" of your meter mode.

3. Press the "**c**" button until the desired sound level appears.

4. Press the "**m**" button to move to the next setup mode, "Setting the Time."

Hour

Minute

Setting the Time

1. With the hour blinking, press the "**c**" button until the correct hour appears. If using the 12-hour time format, the P displays for "PM" times.

2. Press the "**m**" button to move to minute setting.

3. With the minute blinking, press the "**c**" button until the correct minute appears.


Time Format

4. Press the "**m**" button to move to the time format setting (12- or 24-hour format).

5. With the 12 (for 12-hour format) or 24 (for 24-hour format) blinking, press the "**c**" button to toggle to your format choice. The time automatically updates to the format selected.

6. Press the "**m**" button to move to "Setting the Date."

Setting the Date

Month

1. With the month blinking, press the "**c**" button until the correct month appears.

2. Press the "**m**" button to move to the day setting.

3. With the day blinking, press the "**c**" button until the correct day appears.

Day

4. Press the "**m**" button to move to the year setting.

5. With the year blinking, press the "**c**" button until the correct year appears.

6. Press the "**m**" button to move to the date format setting (month-day (m-d) or day-month (d-m) format).

7. With the m-d or d-m icon blinking, press the "**c**" button to toggle to your format choice. The date automatically updates to the format selected.

Year

8. Press the "**m**" button to move to "Unit of Measurement."
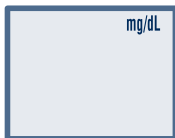
mg/dL

Unit of Measurement
The Unit of Measure for your Freestyle Flash Meter is milligrams per deciliter (mg/dL).

2.52 -P

Software Version Display
This is the software version in your FreeStyle Flash Meter. It is for display only and cannot be changed. The picture to the left is an example. Your meter may have a different number.

You have completed Meter Set-Up.

- To move to "Setting the User Alarms" press the "**m**" button.
- To exit press and hold the "**m**" button.

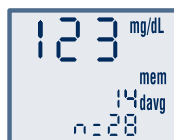## Meter Results
Meter Memory

- *To Enter*

  Start with the meter in clock mode (no test strip inserted). Press the "**m**" button and release; the first memory screen to appear will be your 14-day average.

- *To Exit*

  Press the "**m**" button until the meter returns to clock mode, then release.

14-Day Average
The first memory display screen you see is your 14-day average. This includes all the readings from the last 14 days starting from the current date and time shown on the meter. (Control solution, LO, and HI readings are not included in the average.)

123 mg/dL **mem** **14davg** **n:28**

14d avg = your 14-day average
n = indicates the number of results included in your 14-day average

Test Results
The meter stores the last 250 test readings with time and date. You may scroll through all of the readings by pressing and holding the "**c**" button. The first reading you see is the most recent result.

Temperature: A result with a thermometer symbol indicates that the reading was taken outside of the meter's specified operating temperature range and may not be accurate. This value is included in your 14-day average.

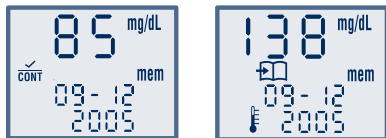**LO Reading:** A LO reading (under 20 mg/dL) is included in the memory as LO.
HI Reading: A HI reading (over 500 mg/dL) is included in the memory as HI.

127 mg/dL **mem** **09-12** **1:23P**
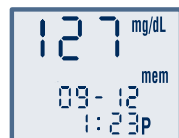
Blood Glucose Test
A result without a control solution symbol ($\overline{CONT}$) indicates that it is a blood glucose reading. The date and time of the test will appear on the bottom of the screen.

Test Results *(cont)*

Control Solution Test

A value with ($\widecheck{\text{CONT}}$) indicates that you have marked this reading as a control solution test. The date and time of the control solution reading will appear on the bottom of the screen.

Transferring Data

The "PC" symbol displays when a data cable is inserted in the meter data port. You cannot perform a test while the data cable is in the meter data port.

The meter will display "PC" until the data cable is removed from the data port.

(Requires FreeStyle Data Cable and FreeStyle data management software or other software programs that accept FreeStyle Flash data.)

For more information, please go to our website or call Customer Care.

Meter Maintenance

Batteries

Your FreeStyle Flash® Meter comes with two preinstalled, #2032, 3 volt, lithium batteries and two replacement batteries. The batteries provide enough power for the meter to perform about 500 tests and to power the display backlight and test light. If your batteries run low, the battery symbol ($\boxed{- +}$) appears on every display screen until you change the batteries. You have enough power for approximately 25 more tests.

Important: When this symbol appears, or when the backlight and test light begin to dim, you should replace the batteries immediately.

- To avoid losing the time and date settings, replace the batteries within one minute of removing the old batteries.
- If you take more than one minute to replace the batteries, you may need to reset the time and date to get the correct 14-day average. If the time and date settings are lost, the time and date displays flash 12:00 and 00-00 until they are reset.
- Removing the batteries does not affect the meter's memory log or previously-stored user settings (such as calibration code, and date format).
- Even if you lose your time and date settings – you can perform a blood glucose test, and results will not be affected.
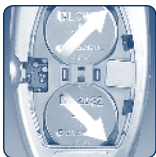
Replacing the Batteries

1 Turn the meter over. Press in the battery door clip to open. Swing the battery door up to open and then off the meter.

Replacing the Batteries *(cont)*

2 To remove the batteries, use a finger nail to pull outward from the center to release each battery. Install the batteries with the positive (+) sign up toward you.

3 To close, angle the battery door back onto the meter and swing down until it snaps into place.

Caring for Your Meter

Avoid getting dirt, dust, blood, control solution, water, or any other liquid in the meter's test strip and data ports.
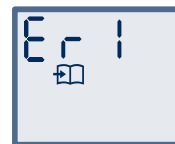
Clean the outside of the meter using a cloth dampened with one of the following:

- Mild detergent/mild soap and water.
- 70% isopropyl alcohol.
- A mix of one part household bleach, nine parts water.

Important: Never immerse the meter in water or any other liquid.

System Troubleshooting
Error Messages

Error 1

Possible Causes

- Sample is too small.
- Problem with the test strip.
- Problem with the meter.
- Very low blood glucose (less than 20 mg/dL).

What You Should Do

1. If you have symptoms such as weakness, sweating, nervousness, headache, or confusion, follow your doctor's recommendation for treating hypoglycemia.

2. Conduct a control solution using a new test strip. If the results of the control solution test are within the range printed on the side of your test strip vial, retest using blood and a new test strip.

3. If the retest using control solution does not work or the error persists, call Customer Care.

Error 2
Possible Causes

- Problem with the test strip.
- Problem with the meter.
- Very high glucose (above 500 mg/dL).
- HIGH control solution applied when temperature is too cold. (This applies only to control solution that is labeled as HIGH.)

What You Should Do

1. If you have symptoms such as thirst, fatigue, excess urination, or blurry vision, follow your doctor's recommendation for treating hyperglycemia.

2. Conduct a control solution using a new test strip. If the results of the control solution test are within the range printed on the side of your test strip vial, retest using blood and a new test strip.

3. If the retest using control solution does not work or the error persists, call Customer Care.
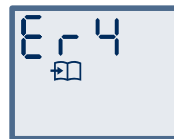
Error 3

Possible Causes
- Incorrect test procedure. For example, putting blood on the test strip before inserting the test strip into the meter or applying blood before the Blood Drop and Test Strip symbols display.

- Problem with the test strip.

- Problem with the meter.

What You Should Do

1. Be sure you see the Blood Drop and Test Strip symbols on the display screen before you apply blood or control solution.

2. Conduct a control solution using a new test strip. If the results of the control solution test are within the range printed on the side of your test strip vial, retest using blood and a new test strip.

3. If the retest using control solution does not work or the error persists, call Customer Care.

Error 4

Possible Causes
- Problem with test strip.

- Problem with the meter.

What You Should Do

1. Conduct a control solution test using a new test strip. If the results of the control solution test are within the range printed on the side of your test strip vial, retest using blood and a new test strip.

2. If the retest using control solution does not work or the error persists, call Customer Care.

Note: Error 5 is not used.

Error 6

Possible Cause
A button on the meter was pushed when applying blood sample or control solution.

What You Should Do

1. Retest using a new test strip. Do not touch the "**m**" or the "**c**" button while applying blood or control solution to the test strip.

2. If the error persists, call Customer Care.

Troubleshooting

Meter does not enter the test mode after inserting a test strip.

Probable Cause	What to Do
The batteries are dead.	Replace the batteries and reset the date and time, if necessary.
The batteries are installed incorrectly or there are no batteries in the meter.	Check that both batteries are installed correctly with the positive (+) sign facing upward, toward you.
Test strip inserted upside down, wrong end in, or incompletely inserted into the meter.	Insert the test strip with the printed side up and the top of the strip in the meter.
Defective meter or test strips.	Call Customer Care.
Blood or foreign objects put into the test strip port.	Call Customer Care.

Test does not start after applying the blood sample.

Probable Cause	What to Do
Blood sample too small.	You may add blood to the same sample area of the test strip from which you started for up to 60 seconds from the time of the first application. If necessary, repeat the test using a new test strip and a larger blood sample.
Defective test strip.	Repeat the test with a new test strip.
Sample applied after meter times out (two minutes) and returns to clock mode.	Repeat the test using a new test strip. Wait until you see the Blood and Test Strip symbols on the display screen before you apply the blood sample.
Defective meter or test strips.	Call Customer Care.

FreeStyle Flash® System Specifications
Meter Specifications

Assay Method	Coulometric electrochemical sensor
Automatic Shutoff	Two minutes after last user action
Battery Life	500 tests
Calibration	Plasma equivalent
Hematocrit	15% to 65%
Measurement Units	mg/dL
Memory	250 blood glucose and control solution tests with date and time
Operating Relative Humidity	5% to 90%
Operating Temperature	40° to 104° F
Power Source	Two #2032, 3 volt, lithium batteries, replaceable
Result Range	20 to 500 mg/dL
Sample	Whole blood, capillary
Sample Size	0.3 microliter (300 nanoliters)
Size	(Width 1.6"x Length 3.0" x 0.8")
Test Time	Average of 7 seconds
Weight	1.4 oz. including batteries

Abbott Diabetes Care Inc.
1360 South Loop Road
Alameda, CA 94502

Customer Care is available 24 hours a day, 7 days a week.
Atención al cliente disponible las 24 horas del día y los
7 días de la semana.

www.AbbottDiabetesCare.com

Call Customer Care
Toll Free at 1-888-522-5226
Llame al Departamento de Atención al Cliente
Llame gratis al 1-888-522-5226