MCKESSON

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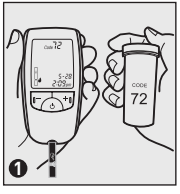
Blood Glucose Monitoring System
USER MANUAL



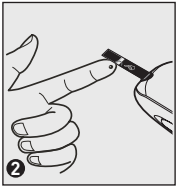
MFR# **ALL03AM0201GM**

TEST SUMMARY

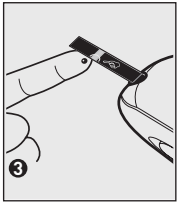
This summary is intended only as a quick reference and not as a substitute for the McKesson blood glucose meter user manual. Please read the entire manual before you begin the test.



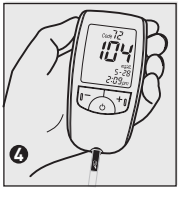
Insert the test strip. Check the code number. The code on the meter display must match the code on the test strip vial.



Apply blood sample to yellow-side edge of the test strip



Hold the yellow side-edge of the test strip to the blood drop until the sample has completely filled the confirmation window. Once the confirmation window is filled, the meter will begin the count down.



You'll get a reliable result in just 5 seconds.

Thank you for using the McKesson Blood Glucose Monitoring System.

This user manual will tell you all you need to know about the Blood Glucose Monitoring System and how it works. Please read carefully before using the meter.

PRECAUTIONS

INTENDED USE

McKesson Blood Glucose Test Strips are used with McKesson Blood Glucose Monitoring System for quantitatively measuring glucose in fresh capillary whole blood from fingertip, palm, upper arm, forearm, thigh and calf. McKesson Blood Glucose Test Strips are for self-testing outside the body (*in vitro* diagnostic use). Regular self-testing of blood glucose levels can help you to know how well your diabetes is being controlled. Diabetes should be managed under the guidance of a doctor or healthcare professional.

TEST PRINCIPLE

The McKesson Blood Glucose Monitoring System is based on measurement of electrical currents caused by the reaction of glucose with the reagents on the gold electrode of the strip. The blood sample is drawn into the test strip's reaction chamber through capillary action. Glucose in the sample reacts with glucose dehydrogenase and mediator. This reaction creates electrical currents. The consequent electrical currents is proportional to the glucose concentration in the blood and converted to the equivalent glucose concentration by the algorithm programmed in the McKesson Blood Glucose Monitoring System.

PRECAUTIONS FOR USE

- The McKesson Blood Glucose Monitoring System is calibrated to produce value equivalent to plasma specimens on a laboratory analyzer (YSI 2300 STAT Plus).
- The McKesson Blood Glucose Monitoring System should not be used for the diagnosis of diabetes.
- Rapid change in temperature may cause inaccurate results in reading. When taking the meter from cold to warm area or warm to cold area, let the meter sit for a while 30 minutes to adjust to the room temperature.

- Do not drop the meter.
- Do not disassemble, repair or remodel. The sensitive parts could be damaged and the warranty will then become invalid.

PRECAUTIONS FOR TEST STRIP

- Store test strip vials in dry place with temperature between 36°F-86°F (2°C-30°C).
- Avoid direct sunlight and heat.
- Store test strip only in their original vial and do not transfer test strip to any other container.
- After taking a test strip out of vial, close the vial immediately and store it as recommended.
- Do not touch the test strip with wet hands.
- Do not use the test strip beyond the expiration date that is printed on the vial.
- Do not bend, cut or alter test strips.
- Do not insert same test strip into the test port multiple times. It may cause an improper operation.

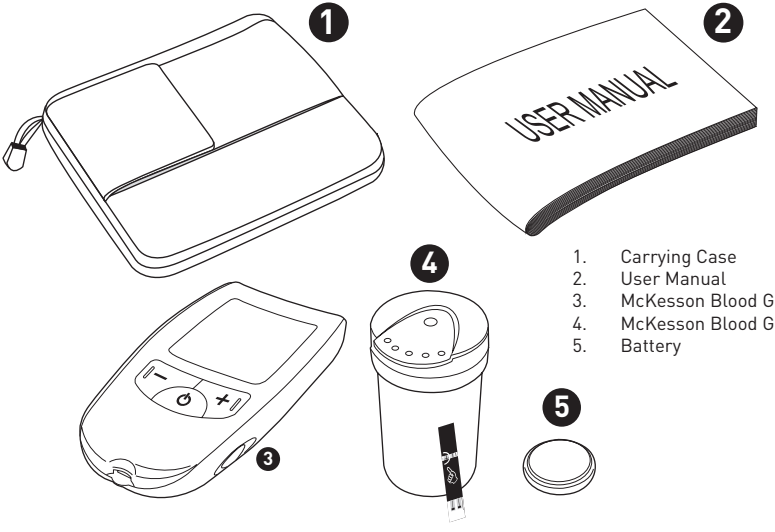
SAFEKEEPING

- Store the McKesson Blood Glucose Monitoring System in a temperature between 32°F-104°F (0°C-40°C).
- Store the McKesson Blood Glucose Monitoring System in less than 85% relative humidity.
- Make sure to keep McKesson Blood Glucose Monitoring System in a sanitary environment.
- Keep the meter away from direct sunlight for long periods of time.
- Keep the test port away from dirt, blood or water.
- Do not store your meter and test strips in the car, bathroom, or refrigerator. (sensitive to temperature and humidity)
- Keep the meter, test strip vials and lancing materials away from children.
- Clean the outside of the meter using a moist (not wet) cloth or tissue with isopropyl alcohol or mild detergent with water. Do not immerse the meter in water or other liquid.

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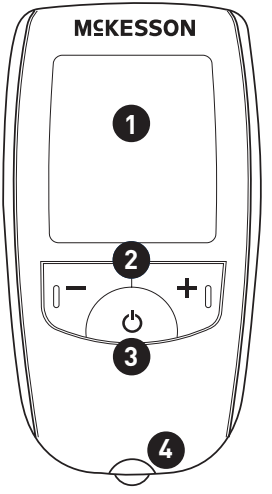
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McKESSON BLOOD GLUCOSE MONITORING SYSTEM



1. Carrying Case
2. User Manual
3. McKesson Blood Glucose Meter
4. McKesson Blood Glucose Test Strips
5. Battery

METER

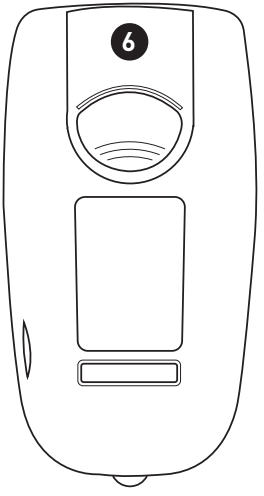


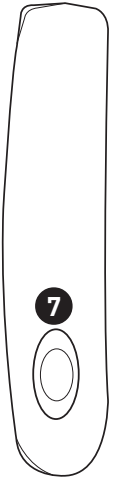
1. **LCD Display**
   - Test results icons and simple messages appear here.

2. **+/- Button**
   - Recall the stored test result in the memory mode.
   - Select an event in the event recording mode.
   - Change the date and time in the set mode.

3. **Power Button**
   - Turns the meter on/off.
   - Enters the different modes while pressing the power button for a few seconds. (3 seconds: Set Mode)
   - Deletes all stored test results in the memory mode.

4. **Test Port**
   - Insert the McKesson Blood Glucose Test Strips for testing.
   - Meter turns on automatically when you insert the test strip.
   - Meter displays the code automatically.

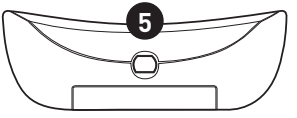




5. **Data Port**
   - Transfer your test results to the computer.

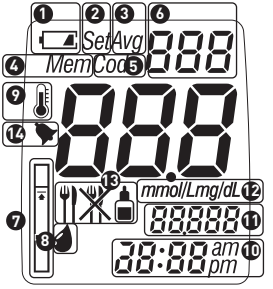
6. **Battery Cover**

7. **Test Strip Release Button**

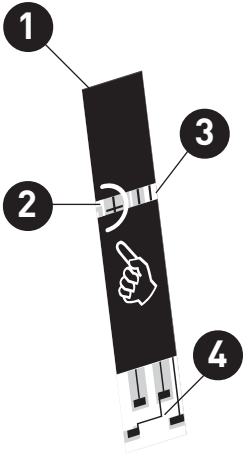


METER LCD DISPLAY

1. Battery life.
2. Set mode.
3. Average value.
4. Memory mode.
5. Code set on the meter.
6. Memory and the code. For the code No., the test meter displays the current code.
7. Strip icon when the strip icon blinks, insert test strip to the test meter.
8. Blood drop icon, when the blood drop icon blinks, apply blood sample.
9. Temperature icon when the meter is not used at a recommended temperature range, "Er1" and temperature icon appeared.
10. Current time and tested time in memory mode.
11. Current date and tested date in memory mode.
12. Unit of measurement.
13. Event icon selected according to user's condition. It will be useful to manage your glucose level if you record an event icon regarding your condition.
14. Alarm. You can set the alarm up to 4 times. Each alarm rings for 10 seconds.



TEST STRIP



1. **Grip**
   - Hold this part to insert or remove test strip.

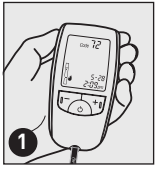
2. **Yellow Side-edge**
   - Apply blood sample here; Blood wicks in automatically.

3. **Confirmation Window**
   - Confirms that an accurate sample entered the window.

4. **Electrodes**
   - Insert this part into meter's test port.

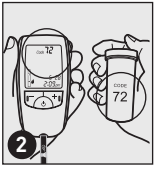
CHECK THE CODE NUMBER

Code is used to calibrate the McKesson Blood Glucose Monitoring System with the McKesson Blood Glucose Test Strips for accurate results. You must check the code on the meter before using it for the first time and then every time you change to another vial of test strips. Whenever you perform a test, match the code on the Meter display with the code on the test strip vial.



INSERT MCKESSON BLOOD GLUCOSE TEST STRIPS

Insert McKesson Blood Glucose Test Strips into the test port and meter will turn on automatically. Then the code, strip, and blood icon will appear.



CHECK THE CODE NUMBER

Make sure that the code on the meter display matches the code on the test strip vial. If the two codes match, you may begin the test.

CAUTION:

- If the code on your meter doesn't match the code on the test strip vial, insert new test strip and check the code again.
- If they do not match again, please contact Technical Support at 1-877-979-5454.

CHECKING YOUR SYSTEM WITH McKESSON GLUCOSE CONTROL SOLUTION

Control solution testing is used to check the performance of your meter and test strip. The McKesson Glucose Control Solution contains a measured amount of glucose that reacts with the McKesson Blood Glucose Test Strips.

The control solution test confirms that your meter and test strips are working correctly. Compare your control solution test results with range printed on the test strip vial label. It is very important that you do this simple check routinely to make sure you get accurate test results.

INFORMATION

Please check your system with McKesson Glucose Control Solution under following situations.

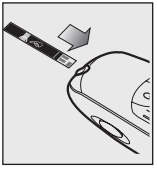
- If you want to check the performance of your meter and test strip.
- If you leave your test strip vial cap open for long time.
- If you drop your meter.
- If you suspect your meter or test strips are not working properly.
- If your blood glucose test results are not consistent and accurate.

CAUTION

- Use only McKesson Glucose Control Solution for the test.
- Check the expiration date on the control solution vial. Do not use if expiration date has passed.
- The control solution, meter, and test strips should be kept at room temperature prior to use.

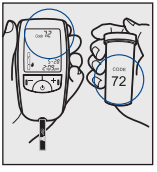
CAUTION:

- Use control solution for only three months after the first use. When you open new vial of control solution, count three months forward and write the date on the label of the control solution vial for your convenience. Discard after three months.
- Do not drink the control solution.
- Tightly replace the cap of control solution and store the control solution at a room temperature after the test.



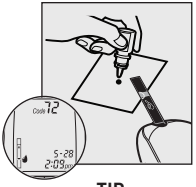
1. INSERT TEST STRIP:

Insert the test strip, with the printed side facing up, into the test port of the meter. Gently push in all the way in until it goes no further. The meter will turn on automatically and beep. Then the code and the blood drop icon will appear. Make sure your meter and test strip codes match. If the code numbers match, you are ready to begin the test. If they do not match, please insert new test strip and check the code again.



CAUTION:

Do not force the test strip into your meter. This may cause malfunction.



2. APPLY CONTROL SOLUTION

Gently agitate the control solution by rolling the vial back and forth between your hands. Prepare a drop on a clean dry surface. Slowly let the yellow side-edge of the test strip touch the drop of control solution following the arrow tail. Once the confirmation window is full, your meter will begin the count down.

TIP

To ensure accurate test results

- Gently shake the control solution (vial) to ensure the control solution is mixed well before each test.
- Squeeze the vial to discard the first drop before the test.



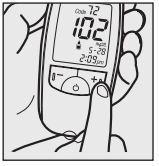
3. RESULTS APPEAR IN 5 SECONDS

Your meter display will count down from "5" to "1," then the result will appear.

INFORMATION

Do not remove the test strip from your meter until you select the "Control Solution icon" in the event record mode. If you remove the test strip before making the selection, you cannot save the result. See page 23-24 for more details.

CAUTION:
The McKesson Glucose Control Solution range printed on the test strip vial is for control solution only. It is used to test the performance of your meter and test strip. It is not a recommended range for your blood glucose level.



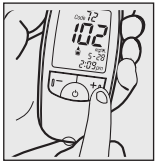
4. COMPARE CONTROL SOLUTION RESULTS:
Compare the control solution test result with the range printed on the test strip vial. The result should fall within this range. If control solution results are out of this range, repeat the test. Refer to The McKesson Blood Glucose Test Strips Instruction for the use.

INFORMATION:
If test results fall outside of the range printed on the test strip vial, repeat the test. Out-of-range results may be caused by one or more of the following:

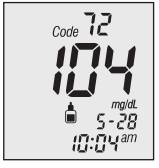
- Expired or contaminated control solution.
- Expired or damaged test strips.
- Error in performing test.
- The code number "71" and "72" on the system is just classification number for the "McKesson Blood Glucose Test Strips"
- Meter, test strips or control solution are kept too warm or too cold.
- Meter malfunction

CAUTION:
If your control solution test results continue to fall outside the range printed on the test vial, the McKesson Blood Glucose Monitoring System may not be working properly.

- Do not use the above mentioned system to test your blood.
- Contact technical support at 1-877-979-5454

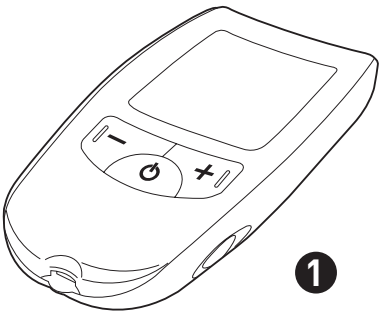


5. RECORD THE CONTROL SOLUTION TEST RESULT IN THE METER:
To record the control solution result, press any of +/- button on the meter to select control solution event icon. Press the power button if selection is completed. The control solution test results will be saved.



INFORMATION:
Record all control solution tests with control solution event ' ' to distinguish them from those of actual blood glucose tests in the meter memory. Recorded control solution test results will not be calculated into your averages.

TO RUN THE BLOOD GLUCOSE TEST, YOU NEED





1. McKesson Blood Glucose Monitoring System
2. McKesson Blood Glucose Test Strips

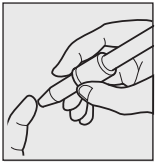
*A lancing device and sterile single-use lancets are required to obtain a blood sample and are sold separately. Use only sterile, single-use lancets intended for capillary blood sampling. Use devices that are legally marketed in the United States, that are FDA-cleared.

Please refer to the labeling provided with your lancing device for detailed instructions on proper preparation and use.



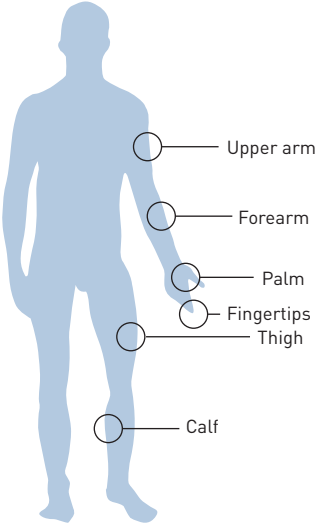
1. INSERT TEST STRIP:
Gently insert the test strip with the printed side facing up into the test port of your meter. Push it all the way in until it will go no further. Meter will beep and code number will appear automatically on your meter. Make sure your meter code and test strip code match.

CAUTION: Do not force the test strip into the meter. This may cause malfunction of the device.



2. OBTAIN A DROP OF BLOOD:
Obtain a drop of blood from your finger using a lancing device. The blood sample must be at least 0.5 micro liter in volume [actual size•]

TIP:
Gently massaging the fingertip will help you to obtain a round drop of blood. Do not smear the blood sample.



About Alternate Site Testing (AST)

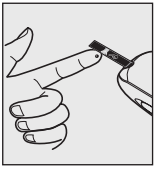
- Important: There are limitations for doing AST. Please consult your healthcare professional before you do AST.

- What is AST?
  Alternate site testing (AST) means you can use parts of the body other your fingertips to check your blood glucose levels.

  The McKesson Blood Glucose Monitoring System allows you to test on your upper arm, forearm, palm, thigh, and calf.

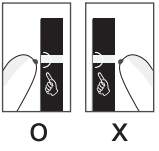
- What's the advantage?
  Fingertips feel pain more readily because they are full of nerve endings (receptors). At other body sites, nerve endings are not so numerous, and you will therefore not feel as much pain as you will experience at the fingertip.

- When to use AST?
  Food, medication, illness, stress and exercise can affect blood glucose levels. Capillary blood at the fingertip reflects these changes faster than capillary blood at other sites. Therefore, only use fingertip to measure blood glucose level under following conditions: during or immediately after meal, physical exercise or stressful event. AST is acceptable two hours or more after your last meal.



3. APPLY THE BLOOD SAMPLE

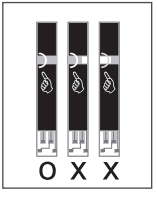
Apply a round drop of blood on the yellow side-edge of test strip and then drop of blood fills the confirmation window of test strip. Hold the blood drop to the yellow side-edge of test strip until blood has completely filled the confirmation window before your meter beeps. Your meter initiates a count-down.



CAUTION:

You should apply blood to the pointer on the strip as directed.

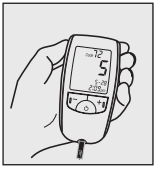
- Do not drop blood on the surface of the test strip.
- Touch the yellow side-edge of test strip when you insert the blood.



CAUTION:

- If there is insufficient amount of blood in confirmation window, you may get inaccurate result. See the figure on the left for the required blood volume necessary to perform the test properly.

- If the confirmation window does not fill completely before the meter begins the count down, do not add more blood to the test strip; discard the test strip and repeat the test.





4. RESULTS APPEAR IN 5 SECONDS

Once the meter completes the count down from "5" to "1," your test result will appear on the meter display. If you remove test strip immediately, only the test result (not the event record) will automatically save in the meter memory. Recording the event with each reading may help with effective diabetes management. To enter the event record mode, you may press +/- button on meter before removing the test strip from the meter (See pages 23-24 for more details).

INFORMATION:

If you do not apply a blood drop within 5 minutes, your meter will turn off automatically. Once the meter turns off, remove the test strip and then insert it back into your meter to restart the test.

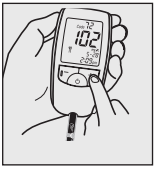
TIP:

After the test, press any +/- button in the event record mode before removing the test strip from your meter. Recording the testing condition will lead you to more effective diabetes management.

ENTERING THE EVENT RECORDING MODE

The event recording mode allows you to store test results with your condition or event (pre-meal, post-meal or control solution). This feature can help you and your healthcare provider effectively manage your glucose level.

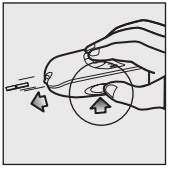
CAUTION:
Do not remove test strip from the meter until the recording of an event icon regarding your condition is completed. Once you remove test strip from the meter, you cannot enter the event recording mode.



1. PRESS +/- BUTTON AFTER THE TEST:
Once the test result appears on the meter display, press any +/- button to enter the event recording mode.



2. SELECT THE EVENT ICON
There are 3 different event icons: Post-Meal, Pre-Meal, and Control Solution. Select one of the 3 event icons regarding your condition. If you choose not to select an event icon, press +/- button.



3. REMOVE THE TEST STRIP
After selecting an event icon, remove the used test strip by pushing the release button on the side of the meter. The test strip will be discharged automatically. When the test strip is discharged, the event icon will be saved in the meter memory automatically.



POST-MEAL
Select this icon after meal.
(food intake)



PRE-MEAL
Select the icon before meal.



CONTROL SOLUTION ICON
Select this icon if performing control solution tests or improper blood glucose test. Record all control solution test with control solution icon to distinguish them from blood glucose tests in the meter memory. Recorded control solution tests will not be included in your averages.

UNDERSTANDING YOUR TEST RESULTS

The McKesson Blood Glucose Monitoring System will display result between 20 and 600 mg/dL. If your test result is lower than 20 mg/dL, "Lo" will appear on the meter display. If your test result is higher than 600 mg/dL, "HI" will appear on the meter display.





CAUTION:

- If "HI" or "Lo" appears instead of a result, retest your blood glucose immediately with a new test strip. If the same message appears, check the system with McKesson Glucose Control Solution. If your meter and test strip are working correctly, you must contact your healthcare professional immediately.

Expected values (for people without diabetes)[1]

Status	Range
Fasting and before meals	70 - 100 mg/dL (3.9-5.6 mmol/L)
2 hours after meals	Less than 140 mg/dL (7.8 mmol/L)

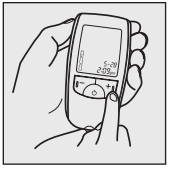
- Do not diagnose diabetes yourself by comparing your test results with the above values. Contact your healthcare provider if results fall outside the expected value ranges.

Reference

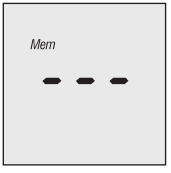
1. ADA Clinical Practice Recommendations 2003

RECALLING THE PREVIOUS TEST RESULTS

Your McKesson Blood Glucose Monitoring System has a memory that automatically stores up to 500 most recent test results according to date, time and event. It also provides you with averages of your blood glucose test results for any particular day (0d, 7d, 14d, 21d, 28d, 60d, 90d) You can review the test result stored in the memory by following these steps.



1. PRESS +/- BUTTON:
To enter the memory mode, press +/- button with the meter turned on.



INFORMATION:
- If there are no test results the meter will not display anything and +/- button will not operate.



2. INDICATE THE AVERAGE VALUE
You can change the number of days that calculate the average. You can set the number of days (0d, 7d, 14d, 21d, 28d, 60d, 90d) in the set mode. "7d" shown in the left figure, indicates that the value 96 is an average calculated over 7-day-period.

INFORMATION:
Calculation of averages does not include individual event averages, instead includes the whole test results' average. The McKesson Blood Glucose Meter will use 600mg/dL for any "HI" results, and 20mg/dL for "Lo" results.

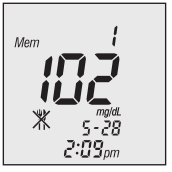


TIP:
To delete all test results in the meter memory, press the power button for 5 seconds until "CLr" flashes when average value is displayed. And then all stored test results in memory will be deleted.



3. RECALL YOUR TEST RESULTS:
Press and release +/- button once to make the most recent test results appear on the meter display. Every time you press and release +/- button, your meter will display the next result up to 500 test result.

TIP:
Press and hold +/- button in the memory mode in order to view the test results faster.

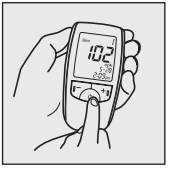




INFORMATION:
- If there is no button activity for 3 seconds in the memory mode, the code will be displayed.



TIP:
To delete individual test result in the memory mode, press the power button for 5 seconds until "dEL" flashed 3 times.

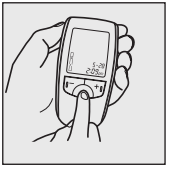


4. EXIT THE MEMORY MODE:
Press and release the power button once to exit from the memory mode.

SET THE TIME, DATE AND UNIT OF MEASUREMENT

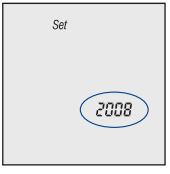
McKesson Blood Glucose Monitoring System comes with the time, date, alarm (0), average day (7) and unit of measurement (mg/dL) preset. However, if you need to change the setting of the meter, or if you changed the battery, you may need to enter the set mode and reset. It is important to set the correct time and date of each blood glucose test result help you and your healthcare professional track changes in your blood glucose level.

INFORMATION:
After replacing the battery, you may update the time and date setting.



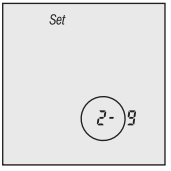
1. PRESS AND HOLD THE POWER BUTTON IN 3 SECONDS
With the meter turned on, press and hold the power button until "SET" appears on your meter. Release the power button to enter the set mode. The year setting will begin to flash.

INFORMATION:
You may exit at any time when setting up the time and date if you press and hold the power button for 3 seconds. The settings you have already made will be saved.

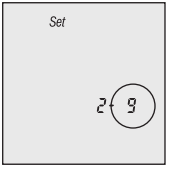


2. SET THE YEAR
Press and release +/- button to adjust the year until the correct year appears on the meter display. If you press and release the power button in set mode, your meter advances to the next month setting.

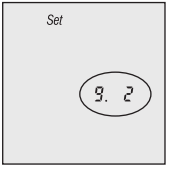
TIP:
Press and release the power button in order to advance to the next setting steps in set mode. Press and release +/- button to adjust the number in set mode. To move faster, press and hold +/- button.



3. SET THE MONTH:
The month setting will start flashing. Press and release +/- button until you get the correct month. If you press and release the power button, your meter advances to the next days setting.



4. SET THE DAY:
The day setting will start flashing. Press and release +/- button until you get the correct day. If you press and release the power button, your meter advances to the next date format setting.



5. SET DATE FORMAT:
The date format setting will start flashing. Press and release +/-button until you get the date format that you want. If you press and release the power button, your meter advances to the next hours.



6. SET THE HOUR:
The hour setting will start flashing. Press and release +/- button until you get the correct hour. If you press and release the power button, your meter saves the hour and advances to the next setting minutes steps.

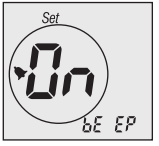
7. SET THE MINUTES:
The minutes setting will start flashing. Press and release +/- button until you get the correct minute. If you press and release +/- button, your meter advances to the next time format setting.

8. SET THE TIME FORMAT:
The time format setting will start flashing. Press and release +/- button to adjust until you get the correct time format. If you press and release the power button your meter advances to the next unit of measurement setting.

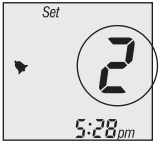
9. SET THE UNIT OF MEASUREMENT:
The unit setting (mg/dL or mmol/L) will start flashing. Press and release +/- button until you get the unit measurement that you want. If you press and release power button, your meter advances to the next step period of average setting.



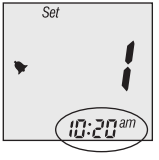
10. SET THE PERIOD AVERAGE:
The period of average setting will start flashing. Press and release +/- button until you get the period of average setting that you want (0, 7, 14, 21, 28, 60, 90). If you press and release the power button, your meter advances to the next beep setting.



11. SET THE BEEP:
When Beep appears, press +/- button, beep icon will be changed to 'On' or 'Off'.
If the beep indicates 'Off', you don't need to set the alarm and just finish the set mode.



12. SET THE ALARM (UP TO 4 TIMES A DAY)
The alarm setting will start flashing. Press and release +/- button until you get the alarm setting that you want. If you press and release the power button, your meter advances to the next time of alarm setting steps.



13. SET THE TIME OF ALARM
The setting for the time of alarm will start flashing. Press and release +/- button until you get the alarm time that you want.

14. PRESS THE POWER BUTTON
Press the power button and the meter will turn off automatically, and the setting information you entered will be saved.

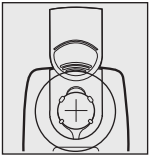
INSTALLING BATTERY

Your meter comes with one battery (CR2032) which is already installed.
This battery will provide you with enough power to perform about 1,000 tests. The meter will alert you when the power is getting low by displaying ( ) message. In this case, you can test several times, but the battery should be replaced with a new one as soon as possible. If "bAt" appears on the meter display, your meter will not operate. The battery must be replaced.

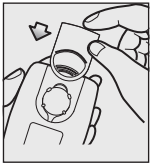
CAUTION:
- Always turn off your meter before replacing the battery. If you replace the battery with the meter turned on, all stored test results in your meter will be erased.



1. REMOVE THE BATTERY COVER
Press the "Open" arrow and slide forward in the direction of the arrow. The battery cover will release.

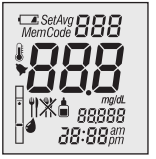
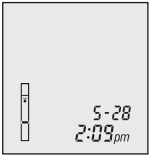
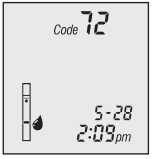
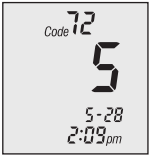


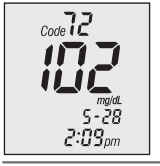
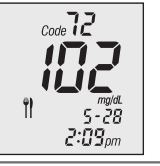
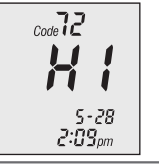
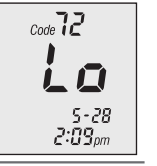
2. REPLACE THE BATTERY
Remove the old battery and insert the new one with "+" sign facing up.

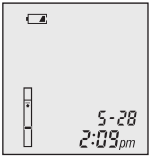
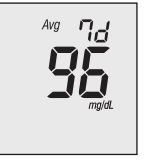


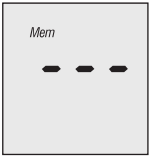
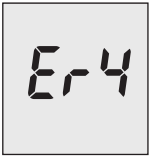
3. CLOSE THE BATTERY COVER
Slide the battery cover until it clicks into the device.

DISPLAY MESSAGE GUIDE

MESSAGE				
WHAT IT MEANS	System check. Verifies that all segments are working.	The system is ready to accept a test strip.	The system is ready to accept a blood sample. (This is an example of a code stored in your meter)	Your meter display count down from "5" to "1". The system calculates the blood glucose test for the results.
ACTION	No action required.	Insert the test strip into the test port of your meter. Check the code that appears on your meter display with the code number on the test strip vial.	Apply a blood sample to the test strip. (See pages 19-21 for how to test your blood glucose)	No action required.

				
A blood glucose test results in mg/dL.	A blood glucose test results in “mmol/L”	System is ready to record the event icon as your condition.	Your blood glucose reading is higher than 600mg/dL(33.3mmol/L).	Your blood glucose reading is lower than 20mg/dL(1.1mmol/L).
If you want to record the event icon as your condition, press +/-button before removing the used strip.	If you want to record the event icon as your condition, press +/-button before removing the used strip.	Select any of the event icons using +/- button. To store your test result with your condition, remove the used test strip after selecting the event icon.	This message indicates very high blood glucose. You should retest your blood glucose level and/or check the system with McKesson Glucose Control Solution. If the system is working correctly, contact your healthcare professional immediately.	This message indicates very low blood glucose. You should retest your blood glucose level and/or check the system with McKesson Glucose Control Solution. If the system is working correctly, contact your healthcare professional immediately.

MESSAGE				
WHAT IT MEANS	A blood glucose test result stored in the memory.	Battery is getting low but you can still perform tests.	The "bAt" message on the meter display indicates that the energy level of the battery is too low to provide accurate results.	The average of blood glucose test result taken in the last 7 days.
ACTION	No action required.	You can complete some tests from the time this symbol first appears but you should replace the battery as soon as possible.	Your meter will not operate. With the meter turned off, replace the battery immediately.	No action required.

				
There is no test result stored in this place in the memory.	This error message indicates that the meter is used in outside of the proper range of temperature, the "Er1" message will " " appear on the meter display.	This error message indicates that used test strip was inserted in the test port.	This error message indicates there may be a problem with the test strip. It may have been damaged or removed during testing.	This error message indicates the sample was improperly applied or there was an electronical noise during the test.
No action required.	Leave the meter at a temperature between 50-104 'F (10-40'C) for at least 30 minutes before testing.	Repeat the test with a new test strip	Repeat the test with a new test strip. Do not remove the test strip until test result appear on the meter display.	Repeat the test with a new test strip.

				
This error message indicates that the meter has an internal electric circuit problem.	This error message indicates that the meter has a problem with strip connection.	This error message indicates that the meter has a problem with strip connection.	This error message indicates that inserted blood is less than standard.	This error message indicates that blood is applied to wrong direction of a test strip.
Technical Support? Call 1-877-979-5454	Technical Support? Call 1-877-979-5454	Technical Support? Call 1-877-979-5454	Repeat the test with a new test strip.	Repeat the test from right direction with a new test strip.

TROUBLESHOOTING GUIDE

TROUBLESHOOTING	CAUSE	ACTION
1. The meter does not turn on after inserting a test strip.	Battery is dead.	Replace the battery.
	The battery is installed incorrectly or there is no battery in the meter.	Check if the battery is correctly installed (see pages 34-35)
	The test strip is inserted upside down or incomplete.	Insert the test strip correctly with the printed side facing up.
	The meter may not be working properly.	Technical Support? Call 1-877-979-5454
2. The meter does not start after applying the blood sample.	Not enough blood sample.	Repeat the test with new test strip.
	The test strip may be damaged.	Repeat the test with new test strip.
	Sample applied after the meter automatically turns off (5 minutes after last user action)	Repeat the test with new test strip.
	Meter may not be working properly.	Technical Support? Call 1-877-979-5454

SPECIFICATIONS

Product Name	McKesson Blood Glucose Monitoring System
Model Name	AGM-4000
Method	Electrochemical method
Sample Volume	0.5 ul
Test Strip	McKesson Blood Glucose Test Strips
Test Range	20~600 mg/dL
Test Time	5 seconds
Calibration	Autocoding
Battery	CR2032 battery DC 3V
Battery Life	Approximately 1,000 tests
Glucose Unit	mg/dL or mmol/L (mg/dL: USA default)
Temperature	50-104˚F (10-40˚C)
Humidity	Less than 85%
Hematocrit	20-60%
Altitude	Up to 8200ft
Size	93.5 x 49.0 x 17.5 (mm)
Weight	40g (including battery)
Display	37.0 x 42.0 (mm) LCD
Memory Capacity	500 tests (date, time & event)
Automatic Shut Off	5 minutes after last user action

PERFORMANCE CHARACTERISTICS

- The performance of McKesson Blood Glucose Test Strips has been evaluated in clinical tests.

Accuracy:

The accuracy of the McKesson Blood Glucose Monitoring System was assessed by comparing blood glucose results obtained by 130 diabetes patients with those obtained using a YSI Model 2300 STAT Plus Glucose Analyzer.

For glucose concentrations < 75 mg/dL

	Within ± 5 mg/dL	Within ± 10 mg/dL	Within ± 15 mg/dL
Patient	50%	94%	100%
Technician	53%	88%	100%

For glucose concentrations ≥ 75 mg/dL

	Within ± 5%	Within ± 10%	Within ± 15%	Within ± 20%
Patient	70.8%	93.4%	100%	100%
Technician	71.2%	93%	99%	100%

Repeatability (using venous whole blood):

Level	SD	CV
58 mg/dL	1.88 mg/dL	3.22%
103 mg/dL	1.95 mg/dL	1.89%
150 mg/dL	2.73 mg/dL	1.82%
190 mg/dL	3.72 mg/dL	1.96%
324 mg/dL	5.95 mg/dL	1.84%

Repeatability (using control):

Level	SD	CV
39.8 mg/dL	2.32 mg/dL	5.82%
110 mg/dL	3.28 mg/dL	2.99%
311 mg/dL	9.20 mg/dL	2.96%

ACCURACY OF AST:

The accuracy of McKesson Blood Glucose Monitoring System was assessed by comparing blood glucose results obtained by 51 diabetes patients with capillary blood obtained using a YSI Model 2300 STAT Plus Glucose Analyzer.

For glucose concentrations < 75mg/dL

	Patient			Technician		
	Within ± 5 mg/dl	Within ± 10 mg/dl	Within ± 15 mg/dl	Within ± 5 mg/dl	Within ± 10 mg/dl	Within ± 15 mg/dl
Finger	6/9(67%)	9/9(100%)	9/9(100%)	5/9(56%)	8/9(89%)	9/9(100%)
Palm	5/9(56%)	9/9(100%)	9/9(100%)	5/9(56%)	9/9(100%)	9/9(100%)
Upper arm	5/9(56%)	8/9(89%)	9/9(100%)	6/9(67%)	9/9(100%)	9/9(100%)
Forearm	6/9(67%)	9/9(100%)	9/9(100%)	5/9(56%)	9/9(100%)	9/9(100%)
Thigh	6/9(67%)	9/9(100%)	9/9(100%)	7/9(78%)	9/9(100%)	9/9(100%)
Calf	5/9(56%)	8/9(89%)	9/9(100%)	7/9(78%)	9/9(100%)	9/9(100%)

For glucose concentrations > 75mg/dL

	Patient				Technician			
	Within ± 5%	Within ± 10%	Within ± 15%	Within ± 20%	Within ± 5%	Within ± 10%	Within ± 15%	Within ± 20%
Finger	22/42(52%)	35/42(83%)	42/42(100%)	42/42(100%)	26/42(62%)	39/42(93%)	42/42(100%)	42/42(100%)
Palm	25/42(60%)	39/42(93%)	41/42(98%)	42/42(100%)	33/42(79%)	39/42(93%)	42/42(100%)	42/42(100%)
Upper arm	23/42(55%)	36/42(86%)	42/42(100%)	42/42(100%)	37/42(88%)	42/42(100%)	42/42(100%)	42/42(100%)
Forearm	26/42(62%)	39/42(93%)	42/42(100%)	42/42(100%)	34/42(81%)	41/42(98%)	42/42(100%)	42/42(100%)
Thigh	25/42(60%)	36/42(86%)	42/42(100%)	42/42(100%)	31/42(74%)	40/42(95%)	42/42(100%)	42/42(100%)
Calf	34/42(81%)	38/42(91%)	41/42(98%)	42/42(100%)	34/42(81%)	41/42(98%)	42/42(100%)	42/42(100%)

MEMO