

ACCU-CHEK[®]

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Advantage[®]

User's Manual

*Las instrucciones en español
están al revés de este manual.*



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BLOOD GLUCOSE MONITORING SYSTEM



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Welcome

Thank you for selecting the Accu-Chek® Advantage® System. Designed for ease of use with you in mind, this system was developed in close association with diabetes healthcare professionals, hospitals, and people with diabetes.

It's simple. When you place a drop of blood on the test strip, the Accu-Chek® Advantage® Meter measures your blood sugar level and displays your results.

Before you begin testing, please read this manual thoroughly. It provides all the information you need to get an accurate blood sugar reading and better manage your diabetes. Remember to return the enclosed warranty card. This ensures that you will receive any updates on your Accu-Chek® Advantage® System.

Where to Find Help

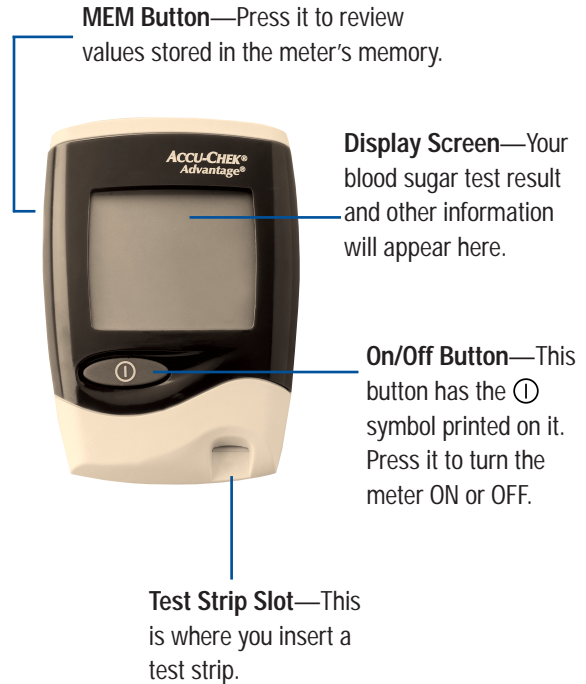
Accu-ChekSM Customer Care is available to answer your questions 24 hours a day, 365 days a year. We offer assistance in English, Spanish, and many other languages!

Call 1-800-858-8072.

For valuable information about diabetes management and the complete Accu-Chek[®] product line, visit www.accu-chek.com.



Getting to Know Your Meter and Supplies



Underside of the Meter

Code Key Slot—This is where you insert the code key.

Battery Cover—This cover slides off so you can install or change batteries.



Additional Items



Code Key—This is used for coding your meter. A new code key comes with every package of test strips.



Accu-Chek® Comfort Curve® Test Strip—This is used when testing your blood sugar or glucose control solution.



Chek™ Strip—This is used when performing internal electronic checks and quality control checks on your meter.



Accu-Chek® Comfort Curve® Glucose Control Solution—This solution is used to check the performance of the meter and the test strip.



Accu-Chek® Softclix® Lancet Device—This device uses lancets to obtain a drop of blood from your fingertip.



Accu-Chek® Softclix® Lancet—Only these lancets will work properly in the lancet device.

Setting Up Your Meter

Installing or Replacing the Batteries

Introduction

Your meter comes with two AAA alkaline batteries.

⚠ Always keep at least two spare AAA alkaline batteries on hand.

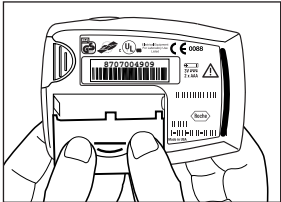
⚠ When replacing batteries, always replace both at the same time. Both batteries should be the same brand.

⚠ The time and date will need to be reset when batteries are reinserted or replaced.

Installing the batteries

Follow these steps to install the batteries for your meter.

Step	Action
1	Slide the battery cover off the back of the meter.

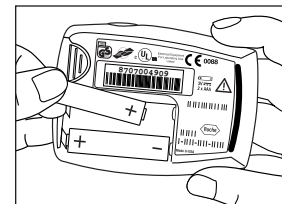


2 Inside is a clear plastic strip that fits underneath the batteries. The clear plastic strip will help you remove the batteries the next time they are changed.

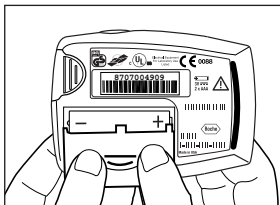
Step	Action
3	Inside each battery slot is a picture of a battery:




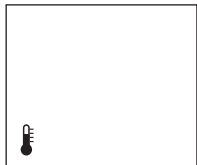
This shows you in which direction to install the battery. Match the battery direction with the picture in each slot. Each battery will go in the opposite direction from the other.



Step	Action
4	Hold the end of the clear plastic strip down over the batteries while sliding the battery cover back in place.



- 5 Wait 5 seconds, then press the  button to turn the meter on.



The temperature symbol will appear when the batteries are first inserted. This is normal and will disappear after 30 seconds. If symbol remains after 30 seconds, call Accu-ChekSM Customer Care at 1-800-858-8072.

Turning the Beeper On or Off

Introduction

Turning the beeper on or off does not affect the test results.

The Accu-Chek[®] Advantage[®] Meter is set to beep when:

- A test strip is inserted
- Blood or control solution is applied to the test strip
- A result is displayed
- An error occurs while testing
- Buttons are pushed
- Batteries are installed

Follow these steps to turn the beeper on or off.

Step	Action
1	Press the On/Off Ⓢ button to turn on the meter.
2	Press the On/Off Ⓢ and MEM buttons at the same time until Set appears on the screen, then release both buttons.

You will see a screen like the one below. Either the word **On** or **OFF** will be flashing.



If you see the word **On**, then the beeper is on. If you see the word **OFF**, then the beeper is off.

Step	Action
3	Press the On/Off Ⓢ button to switch the beeper on or off.



- | | |
|---|---|
| 4 | Press the On/Off Ⓢ and MEM buttons at the same time to exit and save your setting for the beeper. |
|---|---|

Setting the Time and Date

Introduction

The time and date should be set prior to testing if you plan to download the results into software or if you or your healthcare professional plan to review your memory to check when a test was done.

You may exit at any time when setting up the time and date. The settings you have already made will be saved.

Setting the time and date

Follow these steps to set the time and date on your meter.

Step	Action
1	Press the On/Off Ⓞ button to turn on the meter.

Step	Action
------	--------

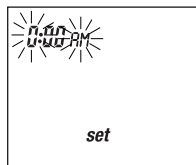
- 2 Press the **On/Off** Ⓞ and **MEM** buttons at the same time until **Set** appears, then release both buttons.

You will see a screen like the one below. Either the word **On** or the word **OFF** will be flashing.



Step	Action
------	--------

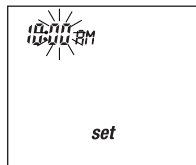
- 3 Now press the **MEM** button.



The hour digit and **AM** will flash.

- 4 Press and release the **On/Off** ① button until the correct hour is displayed. **AM** will change to **PM** automatically when scrolling through the hours.

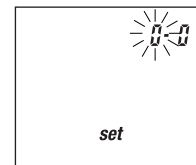
- 5 Press the **MEM** button so that the minute digits start flashing.



Step	Action
------	--------

- 6 Press and release the **On/Off** ① button until the correct minutes are displayed.

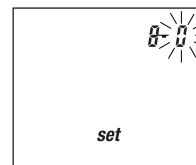
- 7 Now press the **MEM** button.



The month digit will flash.

- 8 Press and release the **On/Off** ① button until the correct month is displayed.

- 9 Now press the **MEM** button.



The day digit will flash.

Step	Action
10	Press and release the On/Off ① button until the correct day is displayed.
11	Now press the MEM button.



The **On** or **OFF** screen will reappear.

- 12 Press the **On/Off** ① and **MEM** buttons at the same time to exit and save the time and date you have entered.

Coding Your Meter

Introduction

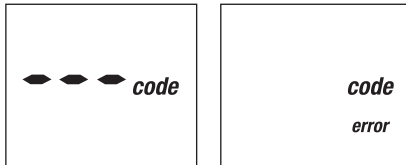
Before you use your meter for the first time and every time you open a new box of test strips, you need to set the meter to “match” the strips. This is called coding or calibration.

The Accu-Chek® Advantage® Meter is coded using the code key found in the box of each new vial of test strips.



You will need to insert a new code key:
key:

- Whenever you open a new box of strips.
- Whenever either one of these displays appears:

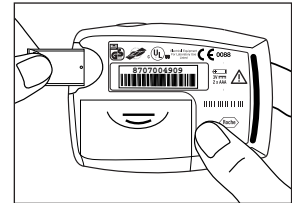


Follow these steps to code your meter.

Step	Action
1	Make sure your meter is off. If it is on, press the On/Off ① button to turn off the meter.

Step	Action
------	--------

- 2 Find the new code key that came in the box of test strips. Hold the end of the code key that has the ridges. With the black square facing the meter, insert the code key. It will slide easily into the meter and will snap in place. Do not force it into the meter.



Step	Action
------	--------

- 3 Press the **On/Off** Ⓛ button to turn on the meter.

A 3-digit code number appears. This number should match the code number on your vial of test strips. If it does not, repeat steps 1-3.



▲ Example code number.

Glucose Control Testing

Why is Glucose Control Testing Important?

Glucose control testing is used to check the performance of the meter and test strip.

Glucose control testing is done using glucose control solutions instead of blood. Checking your system with glucose control solutions ensures that you are running a test correctly and that your Accu-Chek® Advantage® Meter is working properly and is giving you reliable results.

When to Run a Glucose Control Test

- Before using your meter for the first time
- When you open a new vial of test strips
- If you leave the cap off the vial of test strips
- If you drop the meter
- If your result does not agree with the way you feel
- Whenever you want to check the way you are performing your blood sugar test

Items You Need

- Accu-Chek® Advantage® Meter
- Accu-Chek® Comfort Curve® Test Strips
- Accu-Chek® Comfort Curve® Glucose Control Solutions
- Chek™ Strip

The Accu-Chek® Advantage® Kit is packaged with one level of glucose control solution. When purchased at a store, glucose control solutions are packaged with two levels per box. Only one level of control solution is required for glucose control testing.

! When you open a new bottle of glucose control solution, write the date on the label. The glucose control solution is good for 3 months after opening or until the expiration date, whichever comes first.

! If you perform a control test without using the Chek™ Strip, the control test result will be stored in memory and appear just like the blood sugar results. If you do not use the Chek™ Strip when you perform the control test, there is no way to erase the result from memory. (You can manually keep track of the control tests that have been stored in memory to keep them separate from the actual blood sugar test results.)

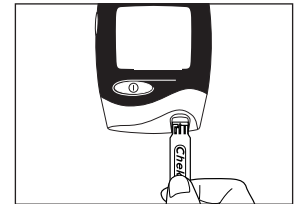
! You will find the acceptable glucose control range printed on the vial of the test strips.

How to Run a Glucose Control Test

Glucose
Control
Testing

Follow these steps to run a glucose control test.

Step	Action
1	Insert the Chek™ Strip (Chek ✓ side up) into the test strip slot. This is the same slot used for test strips.



Step	Action
------	--------

When the Chek™ Strip is inserted, the meter will turn on automatically.



▲ Example code number

The code number must match the code number on the vial of test strips.

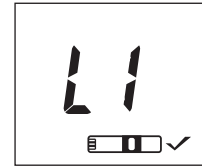
The number will disappear after a few seconds and you will see **OK** and ✓ on the display screen.



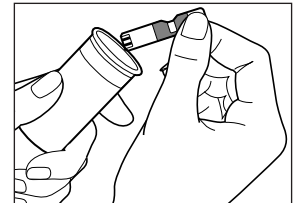
Step	Action
------	--------


- 2 Remove the Chek™ Strip when you see the **OK** screen.

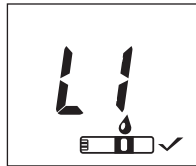
When the Chek™ Strip is removed, you will see **L1**, a flashing test strip symbol, and ✓ on the screen.



- 3 Remove a new test strip from the vial. Replace the cap tightly.

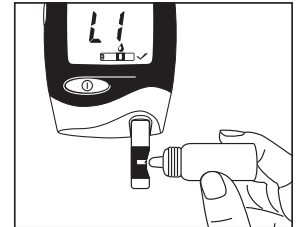


Step	Action
4	Insert a test strip (yellow window facing up) into the test strip slot. The test strip symbol will stop flashing and a blood drop symbol  will appear.

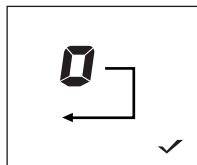


- 5 Remove the cap from your Level 1 control solution.

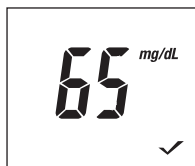
Step	Action
6	Hold the control bottle horizontally and gently squeeze the bottle to form a small drop on the tip of the bottle.
7	Bring the drop to the curved edge of the strip. Allow the strip to draw the solution into the yellow window until the window is completely filled. Let only the drop, and not the tip of the bottle, touch the yellow window.



Step	Action
8	When the control solution is applied to the strip, a box symbol will move around the display screen until the measurement is completed.



- 9 Replace the cap tightly on the control solution.
- 10 The control result will be displayed.



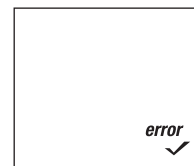
▲ Example result

Step	Action
	If the control result is within the acceptable range, the result and the OK screen will alternate.

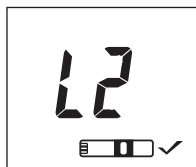


If the control result is not within the acceptable range, the test result and the **error** ✓ screen will alternate.

See *What to do if Your Glucose Control Result Is Outside the Acceptable Range* (page 38).



Step	Action
11	Remove the test strip from the meter and discard it. When the test strip is removed, you will see the L2 , a flashing test strip symbol, and ✓ on the screen.



Your meter is now ready for a Level 2 glucose control test. The Level 2 test is optional.

If you have a bottle of Level 2 control solution that you would like to use, you may repeat the steps starting with step 3. You will need to use the Level 2 control solution in place of the Level 1 solution.

Step	Action
12	When you are finished testing, press the On/Off ⓪ button to turn the meter off.

What to Do if Your Glucose Control Result Is Outside the Acceptable Range

- Check the expiration date of the test strips. If the strips have expired, dispose of them promptly.
- Control solution is only good for 3 months after opening. If it has been open longer than 3 months, dispose of the solution.
- Make sure the cap was placed tightly on the vial of test strips and control solutions. The test strips and control solutions can be damaged when they are not capped and stored properly. Do not store in areas of extreme temperature or humidity such as the bathroom, kitchen, laundry room, or car.
- The control solution should be applied to the test strip within 3 minutes of removing it from the vial.
- Check that the code in the meter matches the code on the test strip vial.
- Repeat the glucose control test with a new test strip, taking care to follow the steps exactly.

If the result is still not within the acceptable range, your blood glucose results may not be reliable. Contact Accu-ChekSM Customer Care for help at **1-800-858-8072**, 24 hours a day, 365 days a year.

Blood Sugar Testing

Items You Need

- Accu-Chek[®] Advantage[®] Meter
- Accu-Chek[®] Comfort Curve[®] Test Strips
- Code key that came in the test strip box
- Accu-Chek[®] Softclix[®] Lancet Device
- Accu-Chek[®] Softclix[®] Lancets



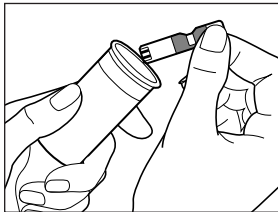
Inserting a Test Strip

Introduction Insert a test strip into the Accu-Chek® Advantage® Meter prior to testing. If this is your first time to test, you may want to read all of the instructions thoroughly before removing the test strip from the vial, you have 3 minutes to complete testing.

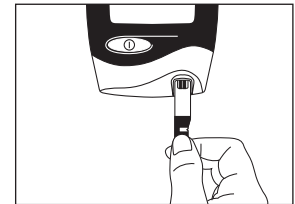
Inserting a test strip

Follow these steps to insert a test strip into the meter.

Step	Action
1	Remove a new test strip from the vial. Be sure to replace the cap tightly.



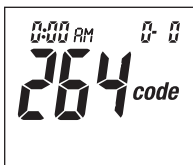
Step	Action
2	Make sure the yellow window on the test strip is facing up. Insert the end of the test strip into the test strip slot.



Step	Action
------	--------


- 3 The meter will turn on automatically when the test strip is inserted.

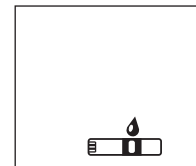
A 3-digit code number appears. This number must match the code number on the vial of test strips.



▲ Example code number.

Step	Action
------	--------

- 4 When the flashing blood drop symbol  appears, the meter is ready to perform a test.

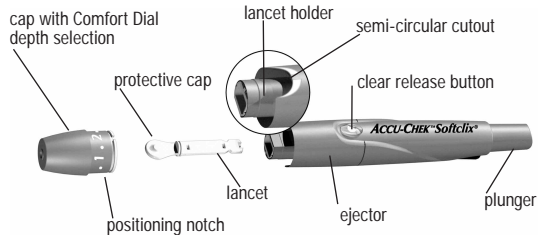


To continue, follow the instructions for using the Accu-Chek® Softclix® Lancet Device to obtain a drop of blood.

Using the Accu-Chek® Softclix® Lancet Device

Introduction

The Accu-Chek® Softclix® Lancet Device uses lancets to obtain a drop of blood from your fingertip. You can adjust the penetration depth by using the Comfort Dial™.

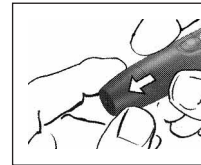


⚠ Do not share your Accu-Chek® Softclix® Lancet Device with anyone. Sharing the device with others may lead to infections even if a new lancet is used in the device.

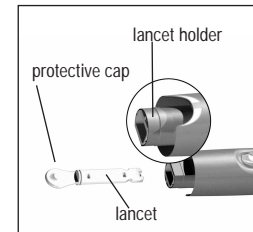
Getting a drop of blood

Follow these steps to use your Accu-Chek® Softclix® Lancet Device to get a drop of blood.

Step	Action
1	Pull the cap, with the Comfort Dial, off the lancet device.

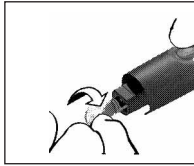


- 2 Firmly insert a new Accu-Chek® Softclix® Lancet into the lancet holder until it snaps into place.

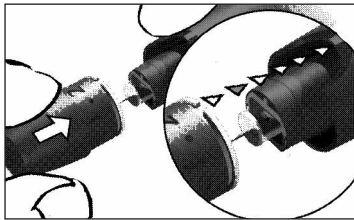


Getting a drop of
blood con't

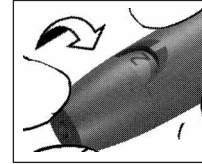
Step	Action
3	Twist the round protective cap on the lancet several times and pull gently to remove it.



- 4 Put the cap back onto the lancet device. The cap fits when the notch on the cap is aligned with the center of the semicircular cutout. It should easily snap into place.



Step	Action
5	To adjust the depth setting, turn the cap. You will see numbers and dots in the semicircular cutout area. Dots represent half settings.

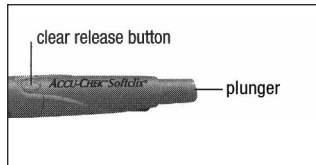


First-time users should select 1 or 2 to see if the blood drop is adequate for testing. Turn the cap until you see the setting you want.

Number	Skin Type
2	softer than average
2 1/2 - 3 1/2	average
4 - 5 1/2	harder than average

Getting a drop of
blood con't

Step	Action
6	Press the plunger on the end of the lancet device all the way down until you hear a click. You will also see a yellow dot appear in the center of the clear release button.



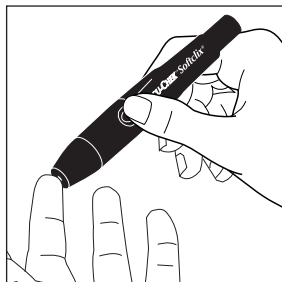
Step	Action
7	Wash your hands in warm soapy water and dry thoroughly.
8	Let your arm hang down at your side briefly to increase blood flow to the fingertip.

- 9 Grasp your finger near the area to be pricked and gently massage for three seconds.

NOTE: The best place to prick the finger is on the side of the fingertip because it has the best blood supply and may be the most comfortable area. You might find that using a different finger on a different hand each time is a good idea.

Step	Action
------	--------

- 10 Press the tip of the Accu-Chek® Softclix® Lancet Device firmly against your fingertip.



- 11 Press the release button, then gently squeeze your finger until you get a small drop of blood.
- 12 Proceed with your blood sugar test.

How to Run a Blood Sugar Test with an Accu-Chek® Comfort Curve® Test Strip

Introduction

The following instructions are for the Accu-Chek® Comfort Curve® Test Strips.



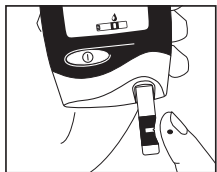
Accu-Chek® Comfort Curve® Test Strip—has a curved edge.

! Before proceeding, make sure you have followed all the instructions on coding your meter, inserting a test strip, and using the Accu-Chek® Softclix® Lancet Device to obtain a drop of blood.

Follow these steps to apply a drop of blood to an Accu-Chek® Comfort Curve® Test Strip.

Step	Action
1	Touch and hold the drop of blood to the curved edge of the test strip where you see the yellow window. The blood will be drawn into the strip automatically. Hold your finger on the curved edge until the yellow window is completely filled with blood.

NOTE: You may pick up the meter, turn the meter, or move the meter to the edge of a table to make it easier to touch the curved edge of the strip.

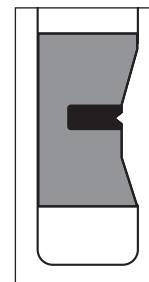


! Allow the blood to be drawn in as you keep your finger on the curved edge of the test strip. Do not try to place the blood drop directly on top of the yellow window.

Step	Action
2	Look at the yellow window on the test strip. If you have enough blood on the strip, you will not see any yellow. The yellow window will be completely filled with blood.



Not Enough
Blood



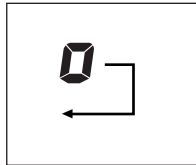
Correct Blood
Application

If it doesn't have enough blood, it will look like the one on the left above.

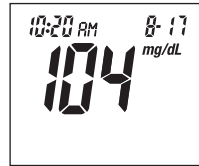
How to Run a Blood Sugar Test with an Accu-Chek® Comfort Curve® Test Strip con't

Step	Action
	<p>If you see any yellow color in the window after you have applied the drop of blood, a second drop of blood may be applied within 15 seconds.</p> <p>If more than 15 seconds have passed, retest with a new strip.</p>

- When blood is applied to the strip, a box symbol will move around the display screen until the measurement is complete.



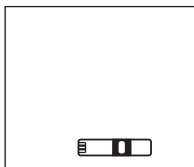
Step	Action
	<p>Once the blood sugar result is displayed, it will be automatically recorded in the meter's memory.</p>




▲ Example result

How to Run a Blood Sugar Test with an Accu-Chek® Comfort Curve® Test Strip con't


Step	Action
4	<p>Remove the test strip from the meter.</p> <p>When the test strip is removed, the test strip symbol will start to flash on the screen.</p>



- 5 If you are finished testing, press the **On/Off**  button to turn the meter off.

Disposing of Used Lancets

Introduction Dispose of the used test strip and used lancet in a puncture-proof container with a lid. You may use a disposal container that was designed for such items. Ask your healthcare professional for disposal details.

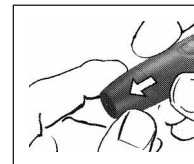
 **To avoid infection, use a new lancet each time you perform a test. Do not reuse lancets.**

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

Disposing of used lancets

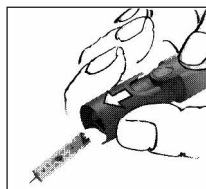
Follow these steps to dispose of your used lancets.

Step	Action
1	Pull the cap off the Accu-Chek® Softclix® Lancet Device.



Disposing of
used lancets
con't

Step	Action
2	Point the exposed end of the Accu-Chek® Softclix® Lancet Device away from you and toward the disposal container opening.
3	Slide the ejector forward. The lancet will be released into the container.



Understanding Your Blood Sugar Test Results

What's Normal?

The normal fasting adult blood sugar range for a person without diabetes is 70-109 mg/dL¹. One or two hours after meals, normal blood sugar levels should be less than 140 mg/dL². **Your doctor will determine the range that is appropriate for you.**

IF...

your blood sugar result is within the “normal” range,

AND...

you exhibit symptoms of high blood sugar (fatigue, increased appetite or thirst, frequent urination, blurred vision, headache, or achiness) or low blood sugar (sweating, trembling, blurred vision, rapid heartbeat, tingling, or numbness around the mouth or fingertips),

THEN...

run a glucose control check with your glucose control solutions and a new test strip. See ***Glucose Control Testing*** (page 27). If the control result is within the acceptable range, review the proper blood testing procedure and repeat your test with a new test strip.

If your blood glucose test result still does not reflect the way you feel, contact your doctor.

IF...

your blood sugar result seems unusually high or low,

AND...

does not reflect the way you feel, check the following:

- Does the test strip code number match the code number on the meter?
- Was the blood sample applied to the test strip within 3 minutes of removing it from the vial?
- Was the size of the blood sample sufficient?
- Was the test strip vial cap tightly sealed?
- Was the test strip used before the expiration date?
- Were the test strips stored away from extreme temperatures (such as those found inside a car)?
- Were the test strips stored away from areas of high humidity (such as the kitchen or bathroom)?

THEN...

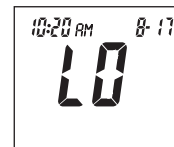
run a glucose control check with your glucose control solutions and a new test strip. See ***Glucose Control Testing (page 27)***. If the control result is within the acceptable range, review the proper blood testing procedure and repeat your test with a new test strip.

If your blood sugar test result still does not reflect the way you feel, contact your doctor.

⚠ Follow the advice of your doctor before you change your therapy.

IF...

you get a low blood sugar result or **LO** is displayed,

**AND...**

you also experience symptoms of low blood sugar: sweating, trembling, blurred vision, rapid heartbeat, tingling, or numbness around the mouth or fingertips,

THEN...

contact your doctor immediately.

IF...

you get a low blood sugar result or **LO** is displayed,



AND...

symptoms are absent,

THEN...

run a glucose control check with your glucose control solutions and a new test strip. See **Glucose Control Testing (page 27)**. If the control result is within the acceptable range, review the proper blood testing procedure and repeat your test with a new test strip. If **LO** still appears for your blood sugar test, **follow your doctor's instructions**.

If the control result is not within the acceptable range, turn to page 38.

IF...

your blood sugar result is *above* 240 mg/dL,

AND...

this has occurred for several days,

THEN...

contact your doctor and check your urine ketone levels with Roche Diagnostics' Chemstrip® K or Chemstrip® uGK Test Strips.

IF...

HI is displayed,



AND...

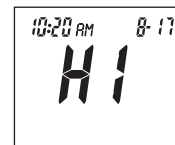
you also experience symptoms of high blood sugar: fatigue, increased appetite or thirst, frequent urination, blurred vision, headache, or achiness,

THEN...

contact your doctor immediately.

IF...

HI is displayed,



AND...

this does not confirm the way you feel,

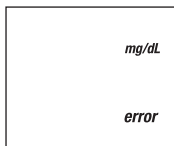
THEN...

check that test strip has not expired or been damaged, then retest. If **HI** still appears, run a glucose control check with your glucose control solutions and a new test strip. See **Glucose Control Testing (page 27)**. If the control result is within the acceptable range, review the proper blood testing procedure and repeat your test with a new test strip. If **HI** still appears for your blood sugar test, **follow your doctor's instructions.**

If the control result is not within the acceptable range, turn to page 38.

IF...

mg/dL and **error** are displayed,



AND...

you also experience symptoms of high blood sugar: fatigue, increased appetite or thirst, frequent urination, blurred vision, headache, or achiness,

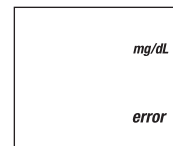
THEN...

contact your doctor immediately.

Your blood sugar result may be extremely high and above the system's reading range.

IF...

mg/dL and **error** are displayed,



AND...

symptoms are absent,

THEN...

run a glucose control check with your glucose control solutions and a new test strip. See ***Glucose Control Testing*** (page 27). If the control result is within the acceptable range, review the proper blood testing procedure and repeat your test with a new test strip. If **mg/dL** and **error** still appear for your blood sugar test, **contact your doctor**. Your blood glucose result may be extremely high and above the system's reading range.

If the control result is not within the acceptable range, turn to page 38.

Memory


Automatic Results Storage

The Accu-Chek® Advantage® Meter automatically stores 100 results. You can review them in order from the most recent to the oldest. If you have set the time/date feature, the times and dates of the results are also displayed.

The memory is full when 100 results have been entered, and **MEM** flashes on the display screen when the meter is turned on.

If the memory is full and a new result is added, the meter will delete the oldest result.

Results cannot be erased from the meter's memory.


 **Results stored in memory will not be lost when you replace the batteries. However, you will need to reset the time and date after replacing the batteries.**

How to Review Results Stored in Memory

Reviewing
Stored
Results

Follow these steps to review results stored in memory.

Step	Action
------	--------

- 1 Press the **On/Off**  button to turn the meter on.

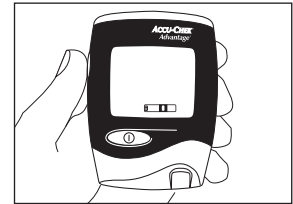
A 3-digit code number appears. This number must match the code number on your vial of test strips.



▲ Example code number.

Step	Action
------	--------

- 2 When the test strip symbol flashes, press and hold the **MEM** button.

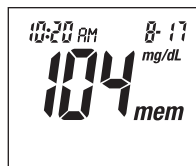


The memory order number (1-100) is displayed. The most recent result is **1 mem**.



Step	Action
------	--------

- 3 Release the **MEM** button. The result, date, and time are displayed.



▲ Example result

- 4 Press the **MEM** button and the next memory number will be displayed. Release the **MEM** button and the results will appear. Press and release the **MEM** button to see the remaining stored results. The stored results are displayed from the newest to the oldest.

Step	Action
------	--------


- 5 Press the **On/Off** Ⓛ button to turn the meter off at any time.


How to Transfer Stored Data

The Accu-Chek® Advantage® Meter allows you to transfer all the data in its memory to your home computer or to your healthcare professional's office computer.

If you would like to transfer the data from your meter to your home computer, call 1-800-428-5076 to purchase Accu-Chek® Compass™ Software and the Accu-Chek® Advantage Cable. Accu-Chek® Compass™ Software is a Windows®-based program that is designed to help you understand your blood sugar patterns through easy-to-read graphs, charts, and reports. For more information, visit www.accu-chek.com.

If you would like to transfer the data from your meter to your healthcare professional's office computer via the phone line, purchase the Accu-Chek® Acculink® Modem. A simple connection and one-button technology enables you to send your results. Contact your doctor or healthcare professional for more information.

 Use only an Accu-Chek® Advantage cable to connect to the data port of the Accu-Chek Advantage Meter.

 Do not run a glucose test when the Accu-Chek Advantage Meter is connected to accessory equipment.

Caring for Your Meter

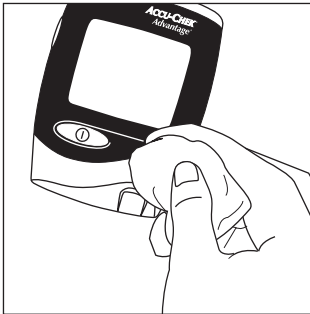
Storage and Handling

- Your meter comes with a carrying case designed to store a variety of supplies and to help protect your meter.
- Handle your meter with care. If your meter is dropped, perform a glucose control test before doing a blood sugar test.
- Keep your meter free of dust. Protect the meter, test strips, and control solutions from extreme temperatures and humidity. **Do not store in areas such as the bathroom, kitchen, laundry room, or car.** Store the meter, together with the test strips and control solutions, at room temperatures less than 90°F (32°C). Do not freeze.

Cleaning the Meter

Clean your meter as needed using one of the following:

- 70% isopropyl alcohol
- a solution of mild dish washing liquid and clean water
- 10% household bleach solution (1 part bleach in 9 parts water) made fresh



With the meter turned off, clean the outside with a soft cloth slightly dampened with cleaning solution.

- ! • DO NOT get moisture into the code key slot or the test strip slot.
- DO NOT spray any cleaning solution directly onto the meter.
- DO NOT submerge the meter in liquid.
- DO NOT pour liquid onto the meter.

Cleaning the Accu-Chek® Softclix® Lancet Device

To clean the Accu-Chek® Softclix® Lancet Device, use a soft cloth dampened with mild dish washing liquid.

- **DO NOT** place the entire device under water.

At least once a week, **disinfect the cap** after cleaning by placing it in 70% isopropyl alcohol for 10 minutes. Allow the cap to air dry after disinfecting.

Accu-Chek® Advantage® Test Strips

The following instructions are for **Accu-Chek® Advantage® Test Strips only**. If your test strips have a curved edge, you need to follow the instructions for the **Accu-Chek® Comfort Curve® Test Strips**. The instructions for each type of strip are different.



Accu-Chek® Advantage®
Test Strip

! Before proceeding with a blood glucose test make sure you have followed all the instructions on coding your meter, inserting a test strip, and using the Accu-Chek® Softclix® Lancet Device to obtain a drop of blood.

Items You Need

- Accu-Chek® Advantage® Meter
- Accu-Chek® Advantage® Test Strips
- Accu-Chek® Advantage® Glucose Control Solutions
- Chek™ Strip

When purchased at a store, glucose control solutions are packaged with two levels per box. Only one level of control solution is required for glucose control testing.

! When you open a new bottle of glucose control solution, write the date on the label. The glucose control solution is good for 3 months after opening or until the expiration date, whichever comes first.

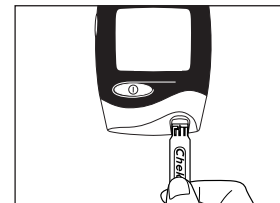
! If you perform a control test without using the Chek™ Strip, the control test result will be stored in memory and appear just like the blood sugar results. There is no way to erase the result from memory.

How to Run a Glucose Control Test with an Accu-Chek® Advantage® Test Strip

Glucose Control Testing using an Accu-Chek® Advantage® Test Strip

Follow these steps to run a glucose control test using an Accu-Chek® Advantage® Test Strip.

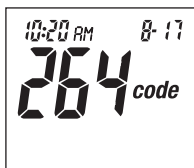
Step	Action
1	Insert the Chek™ Strip (Chek ✓ side up) into the test strip slot. This is the same slot used for test strips.



Glucose Control
Testing using
an Accu-Chek®
Advantage®
Test Strip can't

Step	Action
------	--------

When the Chek™ Strip is inserted, the meter will turn on automatically.



▲ Example code number

The code number must match the code number on the vial of test strips.

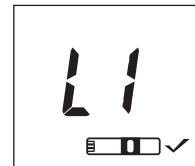
The number will disappear and you will see **OK** and ✓ on the display screen.



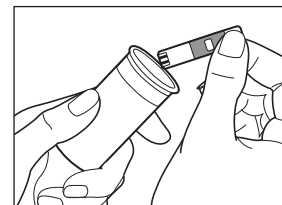
Step	Action
------	--------


- Remove the Chek™ Strip when you see the **OK** screen.

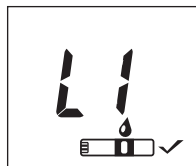
When the Chek™ Strip is removed, you will see **L1**, a flashing test strip symbol and a ✓ on the screen.



- Remove a new test strip from the vial. Replace the cap tightly.

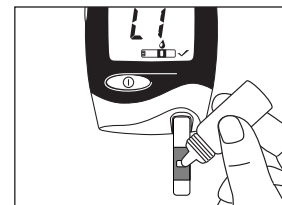


Step	Action
4	Insert a test strip (yellow window facing up) into the test strip slot. The test strip symbol will stop flashing and a blood drop symbol  will appear.



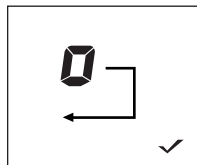
- 5 Remove the cap from your Level 1 control solution.

Step	Action
6	Hold the control bottle horizontally and gently squeeze the bottle to form a small drop on the tip of the bottle.
7	Apply the drop to the center of the yellow window of the test strip. Let only the drop, and not the tip of the bottle, touch the yellow window.



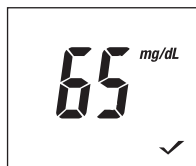
Glucose Control Testing using an Accu-Chek® Advantage® Test Strip can't

Step	Action
8	When control solution is applied to the strip, a box symbol will move around the display screen until the measurement is completed.



9 Replace the cap tightly on the control solution.

10 The control result will be displayed.



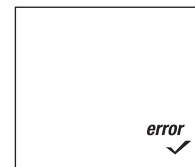
▲ Example result

Step	Action
	If the control result is within the acceptable range, the result and the OK screen will alternate.



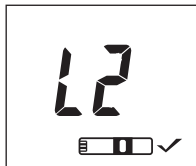
If the control result is not within the acceptable range printed on the test strip vial, the test result and the **error** ✓ screen will alternate.

See *What to do if Your Glucose Control Result Is Outside the Acceptable Range* (page 38).



Glucose Control
Testing using
an Accu-Chek®
Advantage®
Test Strip can't

Step	Action
11	Remove the test strip from the meter and discard it. When the test strip is removed, you will see the L2 screen. You will also see a flashing test strip symbol and a ✓.



Your meter is now ready for a Level 2 glucose control test.

Step	Action
	The Level 2 test is optional. If you have a bottle of Level 2 control solution that you would like to use, you may repeat the steps starting with step 3. You will need to use the Level 2 control solution in place of the Level 1 solution.

- | | |
|----|---|
| 12 | When you are finished testing, press the On/Off Ⓞ button to turn the meter off. |
| 13 | See <i>What to do if Your Glucose Control Result Is Outside the Acceptable Range</i> (page 38). |

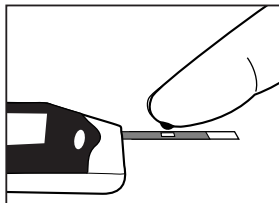
How to Run a Blood Sugar Test with an Accu-Chek® Advantage® Test Strip

Running a Blood Sugar Test with an Accu-Chek® Advantage® Test Strip

Follow these steps to run a blood sugar test with an Accu-Chek® Advantage® Test Strip.

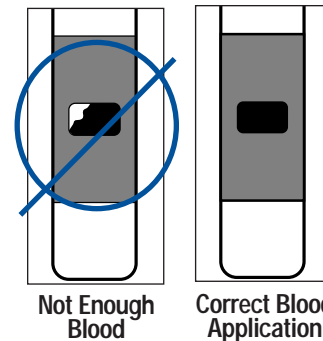
Step	Action
------	--------

- 1 Touch the drop of blood to the center of the yellow window of the strip. Do not smear blood with your finger on the target area.



Step	Action
------	--------

- 2 Look at the yellow window on the test strip. If you have enough blood on the strip, you will not see any yellow left. The yellow window will be completely filled with blood.



If it doesn't have enough blood, it will look like the one on the left.

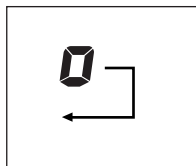
Running a Blood Sugar Test with an Accu-Chek® Advantage® Test Strip can't

Step	Action
------	--------

If you see any yellow color in the window after you have applied the drop of blood, a second drop of blood may be applied within 15 seconds.

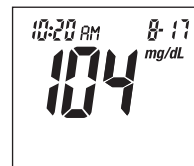
If more than 15 seconds have passed, retest with a new strip.

- When blood is applied to the strip, a box symbol will move around the display screen until the measurement is complete.



Step	Action
------	--------

Once the blood sugar result is displayed, it will be automatically recorded in the meter's memory.

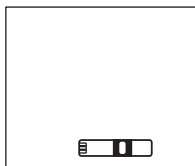


▲ Example result

Step	Action
------	--------

- 4 Remove the test strip from the meter.

When the test strip is removed, the test strip symbol will start to flash on the screen.



- 5 If you are finished testing, press the **On/Off** ⓪ button to turn the meter off.

- 6 Follow the instructions for disposing used lancets found on page 57.

- 7 See *Understanding Your Blood Sugar Test Results* (page 59).

Frequently Asked Questions™

- Q. How do I code my meter?
 - A. See page 23. Remember to code your meter each time you open a new box of test trips.
- Q. I dropped my meter. How do I know if it is damaged?
 - A. If your meter has been dropped, perform a glucose control test with the Chek™ Strip and the glucose control solutions before doing a blood glucose test. If you think it is damaged, call Accu-ChekSM Customer Care at **1-800-858-8072**.
- Q. I'm getting results that I know are not correct. What am I doing wrong?
 - A. Call Accu-ChekSM Customer Care at **1-800-858-8072**.

Troubleshooting Guide

The following are display and error messages that may appear on the meter. If you are unable to resolve a concern, please call Accu-ChekSM Customer Care at **1-800-858-8072**, 24 hours a day, 365 days a year. **Do not make treatment decisions based on an error message.**

IF...

LO is displayed.



REASON

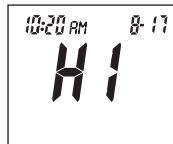
The blood sugar result is below the measuring range of your test strips.

ACTION

See *Understanding Your Blood Sugar Test Results*, (pages 59-67).

IF...

HI is displayed.



REASON

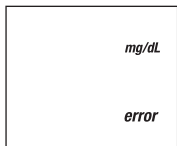
The blood sugar result is above the measuring range of your test strips.

ACTION

See *Understanding Your Blood Sugar Test Results* (pages 59-67).

IF...

mg/dL and error are displayed.



REASON

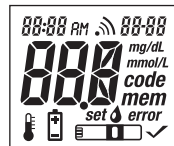
The blood sugar result may be extremely high and above the system's reading range.

ACTION

Immediately see *Understanding Your Blood Sugar Test Results* (pages 59-67).

IF...

the following screen is displayed.



REASON

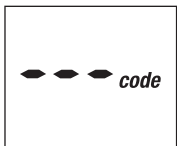
This display check appears when you press the **MEM** button while you turn the meter on. You can also press and hold the **On/Off** ⓪ button to view this display.

ACTION

All functions and display elements should appear. If a segment is missing from a figure **B**, false readings could result. Call Accu-ChekSM Customer Care at **1-800-858-8072**.

IF...

the following screen is displayed.



REASON

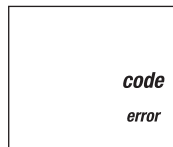
The meter needs to be coded or the code key is not inserted completely.

ACTION

Turn the meter off and correctly insert the code key. See *Coding Your Meter* (page 23).

IF...

the following screen is displayed.



REASON

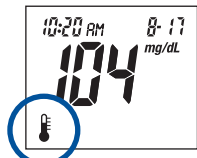
The code key is faulty or was removed while the meter was on.

ACTION

Turn the meter off and reinsert the code key. If this error display still appears, contact Accu-ChekSM Customer Care at **1-800-858-8072**.

IF...

the following screen is displayed.



▲ Example result

REASON

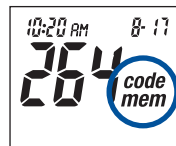
The temperature is outside the operating range of the test strips (57°-104°F or 14°-40°C).

ACTION

The result you have obtained may not be accurate. A temperature symbol will appear below your result. Move to an area between 57° and 104°F, wait 5 minutes and repeat the test. Do not artificially heat or cool the meter.

IF...

the following screen is displayed.



▲ Example code number

REASON

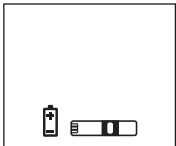
The meter is turned on and the memory is full with 100 values. **MEM** flashes.

ACTION

If a new result is added, the oldest result is deleted.

IF...

the following screen is displayed.



REASON

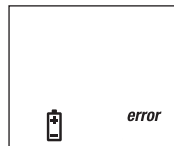
The battery power is low. The system will allow only a few additional tests to be performed.

ACTION

Change the batteries soon. You will need two AAA alkaline batteries of the same brand. Results stored in memory will not be lost when you replace the batteries. However, you will need to reset the time and date.

IF...

the following screen is displayed.



REASON

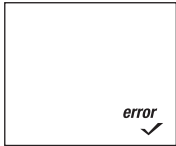
The battery is depleted. The system will not allow a test to be performed. Only memory results can be recalled.

ACTION

Replace both batteries with two AAA alkaline batteries of the same brand. Results stored in memory will not be lost when you replace the batteries. However, you will need to reset the time and date.

IF...

the following screen is displayed.



REASON

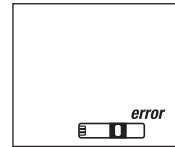
The meter has failed its internal system check.

ACTION

Remove the Chek™ Strip. Turn the meter off and repeat the glucose control check. See **Glucose Control Testing (page 27)**. If this error display still appears, **testing cannot take place**. Call Accu-ChekSM Customer Care at **1-800-858-8072**.

IF...

the following screen is displayed.



REASON

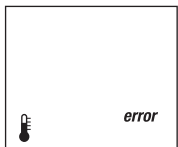
The test strip may be damaged or the test was not performed correctly.

ACTION

If this display appears *before* blood is placed on the strip, remove the test strip and reinsert. If this display appears *after* blood is applied to the strip, there is an incorrect amount of blood on the strip. Repeat the test with a new test strip.

IF...

the following screen is displayed.



REASON

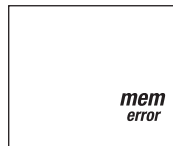
The batteries may have been removed or replaced.

ACTION

If this symbol disappears after approximately 30 seconds, you may continue with a test. If this symbol remains after 30 seconds, call Accu-ChekSM Customer Care at **1-800-858-8072**.

IF...

the following screen is displayed.



REASON

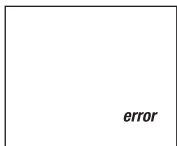
A loss of all results in the meter's memory has occurred.

ACTION

Turn the meter off, then on again. If this display still appears, you will not be able to recall the results previously stored in memory although your meter will store any future test results. Call Accu-ChekSM Customer Care at **1-800-858-8072**.

IF...

the following screen is displayed.

**REASON**

The meter has failed its series of electronic checks.

ACTION

Turn the meter off, then on again. If this error display still appears, testing cannot take place. Call Accu-ChekSM Customer Care at **1-800-858-8072**.

Other Information**Product Limitations**

Please read the information packaged with your test strips regarding up-to-date product specifications and limitations.

Product Specifications

System Operating Conditions	Refer to your test strip package insert
Meter Storage Conditions	-13°–158°F (-25°–70°C)
Humidity	Less than 95%
Atmospheric Pressure	≥ 53.3 kPa
Measuring Range	Refer to your test strip package insert
Memory Capacity	100 blood glucose results with time and date
Display	LCD display
Minimum Sample Volume	Refer to your test strip package insert
Size	3.5" x 0.8" x 2.5" (89 mm x 21 mm x 63 mm)


Weight	2 oz. (60 gm) without batteries
Power Supply	Two 1.5-volt alkaline (AAA) batteries (type LR03) These batteries are available in most retail outlets.
Test Strip Storage Conditions	Refer to your test strip package insert
Data Port	Multiplexed TTL UART
Construction	Handheld
Production Class	III
Rated Operation	Continuous Operation

Product Safety Information

Explanation of symbols

 = **Caution** - important safety information.

 = **Attention** - important information.

 **0088** This product fulfills the requirements of Directive 98/79/EC on *in vitro* diagnostics medical devices.

Additional Supplies

The following supplies and accessories are available from your authorized Roche Diagnostics Diabetes Health Care Center, pharmacies, or your medical/surgical supply dealer:

Test Strips

Accu-Chek® Comfort Curve® Test Strips

Cat. Nos. 2030365, 2030373, 2030381, 2030420, 3000133, 3000141, 3000150

Accu-Chek® Advantage® Test Strips

Cat. Nos. 336, 338, 551, 553, 966, 787

Glucose Controls

Accu-Chek® Comfort Curve® Glucose Control Solutions

Cat. Nos. 2030390, 2030403, 2030411

Accu-Chek® Advantage® Glucose Control Solutions

Cat. Nos. 552, 906, 986, 989

Lancets

Accu-Chek® Softclix® Lancet Device

Cat. No. 957

Accu-Chek® Softclix® Lancets

Cat. No. 971 (100/box)

Accu-Chek® Softclix® Lancets

Cat. No. 988 (200/box)

Warranty

Accu-Chek® Advantage® Limited 3-year Warranty

Roche Diagnostics warrants that your Accu-Chek® Advantage® Meter will be free from defects in materials and workmanship for 3 years from the date of purchase. If, during this 3-year period, the meter does not work properly because of a defect in materials or workmanship, Roche Diagnostics will repair the meter or replace it with a new Accu-Chek Advantage Meter or equivalent product free of charge. The warranty of the repaired or replacement meter will expire on the date of the original warranty expiration or ninety (90) days after shipment of a replacement system, whichever period is longer. This warranty applies only to the original purchaser of the meter.

This warranty does not apply to the performance of an Accu-Chek Advantage Meter that has been damaged by accident or has been altered, misused, tampered with or abused in any way. Roche Diagnostics will handle meters that show damage or abuse according to its Non-Warranty Service Policy described on page 118.

The purchaser's exclusive remedy with respect to the Accu-Chek Advantage Meter shall be repair or replacement, at the option of Roche Diagnostics. In

no event shall Roche Diagnostics be liable to the purchaser or any other person for any incidental, consequential, indirect, special, or punitive damages arising from or in any way connected with the purchase or operation of the meter or its parts. No warranty of merchantability or fitness for a particular purpose, if any is implied from the sale of the meter, shall extend for a longer duration than 3 years from the date of purchase.

Some states do not allow limitations on how long an implied warranty will last or the exclusion of incidental or consequential damages, so the above elimination and exclusion may not apply to you. This warranty gives you specific legal rights, which vary from state to state.

Non-Warranty Service Warranty

Roche Diagnostics' Non-Warranty Service Warranty applies to meters where the above warranty has not become effective, has become inapplicable, or has expired. Roche Diagnostics will repair or replace at its option meters returned to it for a service charge (not to exceed \$35). Replacement will be with like or similar product.

Replacement (or repaired) meters will be warranted

for a period of 90 days from shipment under a limited warranty providing for replacement of parts and labor at no charge.

Warranty and Service Instructions

All requests for return of Accu-Chek® Advantage® meters under the above warranty or service policy must be made to Accu-ChekSM Customer Care by calling **1-800-858-8072**. You will be mailed a return authorization label which must be affixed to your carton for shipping the system to Roche Diagnostics. Cartons received without this label will be returned to you at your expense.

Customers experiencing difficulties should review the ***Troubleshooting Guide*** (page 97) of this manual. Further inquiries should be directed to Accu-ChekSM Customer Care at **1-800-858-8072**.

Be sure to fill out and mail the warranty card that comes with the Accu-Chek® Advantage® System.

CAUTION — A RESTRICTED LICENSE LIMITS USE OF THE ACCU-CHEK® ADVANTAGE® SYSTEM — READ CAREFULLY THE LIMITATIONS RECITED BELOW.

The Accu-Chek® Advantage® System (meter, including the code key, and test strips) and its use is protected by US Patent Nos. 5,508,171; 5,053,199; 5,288,636; 5,405,511; 5,366,609; 5,762,770 (applies only to Advantage® Test Strips); Re. 36,268 (applies to the Accu-Chek® Advantage® and Complete™ Systems when used with Accu-Chek® Comfort Curve® Test Strips); and 5,352,351. A license to use the Accu-Chek Advantage System is only granted when the Accu-Chek® Advantage® Meter is used with the Accu-Chek® Advantage® or Comfort Curve® Test Strips and Accu-Chek™ Advantage™ or Comfort Curve™ Code Keys.

Accu-Chek Advantage and Comfort Curve Test Strips are provided with a specifically matched Accu-Chek Advantage or Comfort Curve Code Key. These test strips and code keys are specifically manufactured for operation with the Accu-Chek Advantage Meter. Use of other test strips with an unmatched code key or even with the matched code key supplied by another manufacturer may prevent or impair the proper function of the Accu-Chek Advantage System.

Using the Accu-Chek Advantage System indicates your acceptance of the restricted license to use the Accu-Chek Advantage System only with Accu-Chek Advantage or Comfort Curve Test Strips and the Accu-Chek Advantage or Comfort Curve Code Key. Further, if you have purchased an Accu-Chek® Advantage® Monitoring Kit or an Accu-Chek®

Advantage® Meter that includes this restricted license, then this restricted license applies regardless of any additional offers found in Accu-Chek® Advantage® or Comfort Curve® Test Strip packages. If you do not agree to the terms and conditions of the restricted license, you may return, at the place of purchase, the unused Accu-Chek Advantage System for a full refund. If you have any questions, please call Accu-ChekSM Customer Care at 1-800-858-8072.

Except where prohibited by statute, all warranties covering the Accu-Chek Advantage System are voided by use of the Accu-Chek Advantage System with any test strips or code keys other than Accu-Chek Advantage or Accu-Chek Comfort Curve Test Strips or code keys.

References

1. Tietz, N.W., *Textbook of Clinical Chemistry*, p. 2190 (1994).
2. American Diabetes Association Consensus Statement, *Diabetes Care*, Vol. 24 (Suppl. 4), p. 775 (2001).

Patent Information

This product is covered by U.S. patents 4,999,632; 4,999,582; 4,963,814; 5,508,171; 5,352,351; 5,405,511; 5,438,271; 5,997,817; 6,254,736; 6,270,637 (covering Accu-Chek® Comfort Curve® Test Strips); 5,288,636; (the latter 3 patents) 5,627,075; 4,891,319; 5,762,770 (when used with Accu-Chek® Advantage® Test Strips); 5,053,199; Re. 36,268 (when used with Accu-Chek® Comfort Curve® Test Strips); and 5,366,609. U.S. Patent No. 4,891,319 is licensed from Quadrant Holdings Cambridge Limited.

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