

Blood Glucose Monitoring System

Blood Glucose Meter **User Manual**

Safe AQ Angel



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QO-PQ-VPW



For in vitro diagnostic use only

Sinocare

Dear Safe AQ Angel Blood Glucose Monitoring System Owner:

Sinocare thanks you for choosing the Safe AQ Angel Blood Glucose Monitoring System. This User Manual contains important information on the meter and how it works. Please read it carefully before using our new meter.

Safe AQ Angel Blood Glucose Monitoring System is designed for easy, user-friendly, convenient operation and only needs a small volume of blood sample. The Safe AQ Angel Test Strips require no coding which saves time and avoids human error due to improper operations. The memory mode allows you to save up to 200 blood glucose test results and 10 blood glucose control solution test results. All these advantages make Safe AQ Angel blood glucose meter an excellent blood glucose monitoring tool.

The Sinocare Safe AQ Angel Blood Glucose Monitoring system is designed to

help you and your healthcare professional monitor your blood glucose levels. The User's Manual will provide the instructions for correct use of your meter so please read this manual carefully before use.

If you need to contact us, please call Customer Service at +86-731-89935581/+86-731-89935582 or visit our website at www.sinocare.com

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Introduction to the Safe AQ Angel Blood Glucose Monitoring System

Intended Use

The Safe AQ Angel Blood Glucose Monitoring System is intended to be used for the quantitative measurement of glucose (sugar) in capillary whole blood samples obtained from the fingertips and in venous whole blood samples as an aid in monitoring the effectiveness of glucose control. The Safe AQ Angel Blood Glucose Monitoring System is intended to be used by a single person and should not be shared.

The Safe AQ Angel Blood Glucose Monitoring System is intended for in vitro diagnostic use (external use only) as an aid to monitor the effectiveness of diabetes control. The Safe AQ Angel Blood Glucose Monitoring System should not be used for the diagnosis of or screening of diabetes.

The Safe AQ Angel Test Strips are for use with the Safe AQ Angel Blood Glucose Meter to quantitatively measure glucose (sugar) in capillary whole blood samples obtained from

the fingertips and in venous whole blood samples. The Test Strips are No Coding Test Strip.

The Safe AQ Angel Blood Glucose Monitoring System includes:

Safe AQ Angel meter, Safe AQ Angel test strips, blood glucose control solutions.

Test Principle

A blood glucose test is based on measurement of electrical current caused by the reaction of glucose with the reagents (special chemicals) on the electrode of the strip. The blood sample is drawn into the tip of the test strip through capillary action. Glucose in the sample reacts with the special chemicals and electrons are generated, producing electrical current. The Safe AQ Angel meter measures the strength of the electrical current and calculates your blood glucose level. This will be displayed on your meter as mg/dL or mmol/L.

Note: The unit can not be changed by user.

Important Safety Information

Read this before using your Safe AQ Angel Blood Glucose Monitoring System.

- ▶ The Safe AQ Angel Blood Glucose Monitoring System is intended to be used for patient self-monitoring and should not be used to collect blood from more than one person as this poses a risk of transmitting blood-borne pathogens such as Hepatitis B or HIV.
- ▶ Your Safe AQ Angel meter, Safe AQ Angel Test Strip are single patient use only. Do not share them with anyone else, even family members.
- ▶ Close supervision is necessary when the device is used by, on or near children, handicapped persons or invalids.
- ▶ Use the Safe AQ Angel Blood Glucose Monitoring System only for the intended use described in the manual.
- ▶ Do not use test strips and control solutions with the Safe AQ Angel meter that are not

supplied by Sinocare.

- ▶ Do not use the Safe AQ Angel Blood Glucose Monitoring System if it is not working properly, or if it has suffered any damage.
- ▶ Before using any product to test your blood glucose meter, read all instructions and practice the test. Do all quality control checks as directed and consult with a diabetes healthcare professional.
- ▶ Keep the Safe AQ Angel Test Strip vial away from children. The vial cap and the Safe AQ Angel Test Strip can be a choking hazard.
- ▶ All parts of this kit are considered biohazardous and can potentially transmit infectious diseases.

DO NOT CHANGE YOUR TREATMENT BASED ON A SINGLE RESULT THAT DOES NOT MATCH HOW YOU FEEL OR IF YOU BELIEVE THAT YOUR TEST RESULT COULD BE FALSE.

Patient Cautions

- ▶ Not for neonatal (newborn or infant) use
- ▶ Not for screening or diagnosis of diabetes mellitus.
- ▶ For single patient use only and should not be shared.
- ▶ Not for use for the critically patients.
- ▶ For in-vitro diagnostic use (external use only).

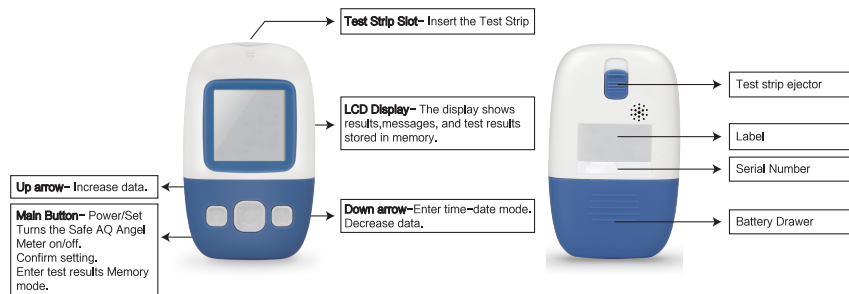
Important Health-Related Information

1. If test results greater than 600 mg/dL (33.3mmol/L), the meter will display “HI” . Retest your blood glucose immediately with a new test strip. If your reading is still “HI” , contact your healthcare professional immediately.
2. If test results low than 20 mg/dL (1.1 mmol/L), the meter will display “LO” . Retest your blood glucose immediately with a new test strip. If your reading is still “LO” , contact your healthcare professional immediately.
3. The American Diabetes Association (ADA) suggests the following targets for normal blood glucose range. More or less stringent goals may be appropriate for each person. If your test result is out of the range or your test result is not in accordance with your feeling, retest your blood glucose. If still out of the range, please contact healthcare professional.


Glycemic control Time of Day	ADA suggested reading
Preprandial plasma glucose (before a meal)	Less than 100mg/dL (5.5 mmol/L)

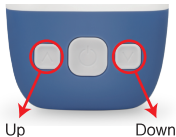
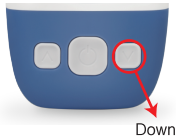
Setting up Your Safe AQ Angel Meter

Key Functions of the Safe AQ Angel Meter



Button Functions

Button	Function	Action
 <p>Main Button</p>	Main Button: On/Off/Set	
	Turn the meter on and enter the blood glucose test result review mode.	Press and hold ☺ for 3 seconds
	Delete test results	Under test results review mode, Press ☺ and ▼ together to delete all blood glucose/all control solution test result.
	Turn meter off	Press and hold ☺ for 3 seconds
	Blood glucose/control solution test result review mode shift	Short press ☺
	Confirm button	Confirm Time/Date settings

Button	Function	Action
	Adjust settings for time – Date/ scroll test results	Press and release ▼ or ▲
	To enter Time–Date setting mode	Press and hold ▼ for 3 seconds to enter to Time–Date setting mode

Setting Up Your Safe AQ Angel Blood Glucose Meter

Setup steps for Date/Time

The Safe AQ Angel meter is preset with the time and date. You will need to adjust it to the local time zone. Each time that you replace the batteries, you should check if the date and time is correct, if not, you will need to reset the time and date.

STEP 1: Insert the Battery

Open the battery cover on the back side of the Safe AQ Angel meter. Insert 2 AAA alkaline batteries as indicated by the “+” and “–” .

STEP 2: How to Set Date and Time

1 .Press and hold ▼ for 3 seconds and the meter will turn on.

Step 1:

Press ▼ to start date time setting mode



2. The meter enters into the Time and Date setting mode.
3. It displays d-1 and the segment of year flashes.
4. Using the ▼ and ▲ tab, select the correct date/time.
5. Confirm date by holding main button ⏻.
6. Press and hold main button ⏻ for 3 seconds or insert the test strip to exit the time and date setting mode.

Step 2:

Time/Date Mode
Flashing Year



Step 3:

Press ▼ and ▲ buttons to
select the correct
time/date.



Step 4:

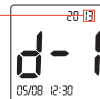
Set selection



STEP 3: Setting the Year

The year appears with number flashing on the top right of your meter screen.

1. Press and release ▼ or ▲ button to decrease or increase the year.
2. Short press and release the main buttons ⏻ to set the year.



Step 1:

Press and release ▼ or ▲
button to decrease or
increase



Step 2:

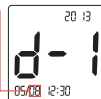
Short press and release
the main button ⏻ to set
the year.



STEP 4: Setting the Month

The month appears with number flashing in the lower left hand side of your meter.

1. Press and release ▼ or ▲ button to decrease or increase the month
2. Short press and release the main button ⏻ to set the month.



Step 1:

Press and release ▼ or ▲ button to decrease or increase the month

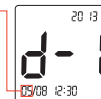
Step 2:

Short press and release the main button ⏻ to set the month

STEP 5: Setting the Day

The day appears with number flashing on the lower left of your meter screen.

1. Press and release ▼ or ▲ button to decrease or increase the day.
2. Short press and release the main button ⏻ to set the day.



Step 1:

Press and release ▼ or ▲ button to decrease or increase the day

Step 2:

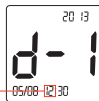
Short press and release the main buttons ⏻ button to set the day.



STEP 6: Setting the Hour

The hour appears with number flashing after the Month segment.

1. Press and release ▼ or ▲ button to decrease or increase the hour.
2. Short press and release the main button ⓪ to set the hour.



Step 1:

Press and release ▼ or ▲ button to decrease or increase the hour



Step 2:

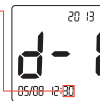
Short press and release the main button ⓪ to set the hour



STEP 7: Setting the Minutes

The minutes appear with number flashing after the Hour segment.

1. Press and release ▼ or ▲ button to decrease or increase the minutes.
2. Short press and release the main button ⓪ to set the minutes.



Step 1:

Press and release ▼ or ▲ button to decrease or increase the minutes



Step 2:

Short press and release the main button ⓪ to set the minutes



Note

24 digital clock-hour time format can be displayed, year can be set from 2000–2099. The meter may be preset with time and date. If you need to adjust time and date setting or replace the battery, you need to enter the Time- Date setting mode and reset the time and data.

STEP 8:

After you have set your time and date, press and hold the main button for 3 seconds, date and time will be set and meter will turn off.






STEP 9: Unit of Measurement is preset as mg/dL or mmol/L.


Note: The unit can not be changed by user.

STEP 10: Delete Memory

How to delete blood glucose test results:

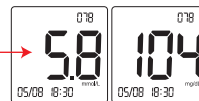
1. Press  to enter the test results review mode.
2. Short press  and  button at the same time. The screen will display three dashes and the meter will make a short beep sound at the same time. All stored blood glucose test results will be deleted.

Step 1:



Press to  enter the test results review mode.



Test results review mode.

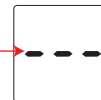


Step 2:





Short press  and  button at the same time and release the buttons.




All stored blood glucose test results deleted.



How to delete control solution test results:

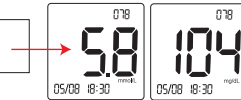
1. Press  to enter the test results review mode.
2. Press  for a short time to enter the control solution test results review mode.
3. Press  and  button at the same time and release the buttons. The screen will display 3 dashes and a control solution bottle and the meter will make a short beep sound at the same time. All stored control solution test results will be deleted.

Step 1:


Press to  enter the test results review mode.



Test results review mode.

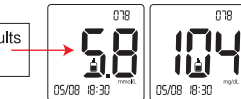


Step 2:



Press  for a short time to enter the control solution test results review mode.



Control solution test results review mode.

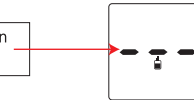


Step 3:


Press  and  button at the same time and release the buttons.



All stored control solution test results deleted.



Power Saving

- If there is no action done on the meter when  is flashing, in 3 minutes, the meter will automatically turn off.
- The test results will be displayed for 3 minutes after performing the test. If the test strip remains in meter, the meter will automatically turns off in 3 minutes. If the test strip is removed, the meter will automatically turns off.
- If the test result is “LO” or “HI” , the test result will be displayed for 1 minute. If there is no other performance done on the meter within 1 minute, the meter will automatically turns off.
- **Except the above mentioned, if there is no other performance done on the meter within 1 minute, such as actions under date and time setting mode, test results review mode and control solution test results review mode, the meter will automatically turns off.**

Safe AQ Angel Control Solution Testing

Why Perform a Control Solution Test

- To ensure that your Safe AQ Angel Meter and Safe AQ Angel Test Strips are working properly.
- To allow you to practice testing without using your own blood.

When to Use

- When you begin using a new vial of Safe AQ Angel Test Strips.
- When the vial cap is lefted open for a long time.
- When Safe AQ Angel Test Strips have been exposed to extreme environmental conditions.
- When you want to check whether meter or test strips are work properly.
- When you drop the Safe AQ Angel meter.
- When your test result is inconformity with your feeling.
- When you want to check whether the test step is correct.

Important Information

- Use only Control Solution with your Safe AQ Angel Meter.
- Check the expiration date on the bottle. Do not use if expired.
- For in vitro diagnostic use only.

Performing a Control Solution Test

Start with the Safe AQ Angel meter off.




STEP 1: Wash your Hands

Wash your hands with mild soap and water before testing. Be sure to dry your hands.

STEP 2: Insert a Safe AQ Angel Test Strip

Insert a Safe AQ Angel Test Strip with the contact bar end pushed into the test strip slot first. Push the Safe AQ Angel Test Strip in as far as it will go without bending it. The Safe AQ Angel meter will turn on.

STEP 3: Apply the Control Solution

1. Check the expiration and discard dates on your Control Solution and Safe AQ Angel Test Strip vials.
2. Press ▼ to enter control solution test mode and the meter will display the control bottle symbol () under “-- --”. Press ▼ again to return to blood glucose test mode.
3. Shake the Control Solution bottle well, then remove cap.
4. Squeeze the bottle and discard the first drop.
5. Squeeze the bottle again to get a second drop and bring the tip of the Safe AQ Angel Test Strip to touch the drop of solution until the Safe AQ Angel meter beeps.
6. The meter displays the control solution test results with the control bottle symbol (). If there is not (), confirm that it is control solution test mode and re-do the test.

STEP 4: Push out the test strip

Questionable Results:

Probable Cause	Action
Operation mistake	Retest based on correct steps
Control solution not being shaken well	Shake control solution well and retest with a new test strip.
Use the first drop of control solution	Retest with a new test strip
Expired or contaminated control solution	Change a new bottle of control solution and retest.
Expired or contaminated test strip	Change a new vial of test strip and retest.
Temperature is too high or too low	Equilibrate in room temperature for 30 minutes and retest.
Wrong test mode	Choose correct test mode
Meter malfunction	Contact customer service

Caution: Do not use Safe AQ Angel Test Strips or Control Solution that are beyond the discard data, are expired or have been damaged. Your results may be inaccurate.

Contact Customer Service

If your Safe AQ Angel Test Strips have been damaged or if you continue to get out-of-range results, it means that the system or the control solution may not be working as it should. DO NOT use the system to test your blood glucose level. If you unable to resolve the problem, contact Sinocare Customer Service at +86-731-89935581/+86-731-89935582.

Performing a Blood Glucose Test

Prepare meter, strip, lancing device and lancet before test.

Preparing the Lancing Device

STEP 1: Remove the cap by turning it clockwise.

See Figure_1__



Figure 1

STEP 2: Insert a sterile Lancet into the lancet holder and push down until the lancet comes to a complete stop inside the device. See figure__2__

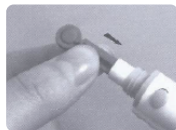


Figure 2

STEP 3: Remove the cap from the Lancet by twisting it until it separates from the lancet and save it for later use. See figure__3__

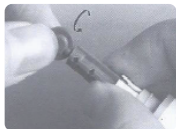


Figure 3

STEP 4: Replace cap onto the Lancing Device. Turn the cap counter-clockwise to secure it. Screw the cap until it is snug, but not too tight.

STEP 5: Set the lancing level. The tip offers five (5) levels of skin penetration. To select the desired depth, twist the tip in either direction until you have selected the number. Choose

from these settings: 1–2 (least penetration) for soft or thin skin, 3–4 (average penetration) for average skin, 5 (deepest penetration) for thick or calloused skin. See Figure __4__

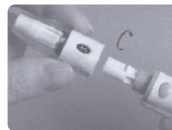


Figure 4

- Always use a new, sterile Lancet
- Lancets are for single use only.
- Avoid getting hand lotion, oils, dirt or debris in or on the Safe AQ KG meter, Lancets and Lancing device.

STEP 6: Cock the Lancing Device. Pull the cocking handle out until it clicks. If it does not click, the Lancing Device has been cocked when the Lancet was installed. See Figure __5__



Figure 5

Getting a Blood Sample

STEP 1: Wash Hands and the Puncture Site Use warm, soapy water to wash thoroughly. Rinse and dry hands thoroughly.

STEP 2: Select and Lance Your Finger

Press the Lancing Device firmly against the side of fingertip to be lanced. Press the release button.

Remove the lancing device from finger.

See Figure__6__



Figure 6

STEP 3: Obtain a Blood Sample

Do not smear the blood sample. See Figure_7__.

To obtain the most accurate results, use clean cotton swab wipe off the first drop of blood and gently milk the finger for a second drop of blood.



Figure 7

To reduce the risk of blood borne pathogen transmission, the Lancing Device is intended for a single user and should not be shared. Users should wash hands thoroughly with soap and water after handling the Safe AQ Angel meter, Lancing device or the Safe AQ Angel Test Strips.

STEP 4: Remove the Lancet Remove the cap of the Lancing Device by turning the cap clockwise. See Figure_8_.

Place the cap back on the exposed tip of the Lancet by pushing the lancet into it.

See Figure __9__

Eject the lancet by sliding the ejector forward until the lancet comes out of the lancing device.

See Figure__10__

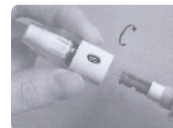


Figure 8

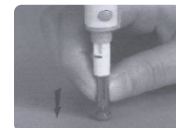


Figure 9



Figure 10

The used Lancet may be biohazardous. Please discard them carefully according to local regulation requirements.

Warning: The first drop of blood usually contains tissue fluid and serum, which may affect the test results. It should be discarded.

Applying Blood to the Safe AQ Angel Test Strip

STEP 1: Insert the Safe AQ Angel Test Strip

Insert a Safe AQ Angel Test Strip with the contact bar end placed into the test strip slot first. Push the Safe AQ Angel Test strip as far as it will go without bending it.

The Safe AQ Angel meter will turn on.

STEP 2: Apply Blood Sample

When the Safe AQ Angel meter screen displays the flashing 💧 apply blood to the opening of the absorbent channel of the Safe AQ Angel test strip where it meets the narrow channel.

Blood will be drawn into the Safe AQ Angel Test Strip until it is full indicated by a short beep sound.

The screen will begin the countdown of 5 seconds to a result.

See Figure __11__



Figure 11

Caution:

DO NOT smear or scrape the blood onto the Safe AQ Angel Test Strip

DO NOT apply blood to the Safe AQ Angel Test Strip when the Safe AQ Angel Test Strip is out of the meter.

DO NOT put blood or foreign objects into the test strip port.

STEP 3: Read Your Result

After the Safe AQ Angel meter counts down from five to one, your blood glucose results appears along with the unit of measure, date and time. See Figure _12~13_

This blood glucose result is stored in the Safe AQ Angel meter memory. Turn the meter off by removing the Safe AQ Angel Test Strip. Discard the used Safe AQ Angel Test Strip carefully to avoid contamination.

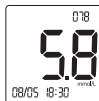


Figure 12

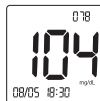


Figure 13

If test result is above 600mg/dL(33.3 mmol/L) for glucose, the screen displays HI. See Figure _14_. If test result is below 20 mg/dL(1.1 mmol/L) for glucose, the screen displays LO. See Figure _15_



Figure 14



Figure 15

STEP 4:

You should thoroughly wash your hands with soap and water after using the Safe AQ Angel meter, Lancing Device, Lancets and Safe AQ Angel Test Strip.

Important: If you do not apply a blood sample within 3 minutes, the Safe AQ Angel meter will turn off. You must remove the Safe AQ Angel Test Strip and insert it again to turn on the Safe AQ Angel meter and restart the test process.

Caution: If you cannot test due to a problem with your testing supplies, contact Customer Service at +86-731-89935581/+86-731-89935582. Failure to test could delay treatment and/or lead to serious medical conditions.

Using the Safe AQ Angel Meter Memory

The Safe AQ Angel meter stores 200 blood glucose test results and 10 Control Solution results with the date and time in its memory. You can review the individual results by entering the memory mode.

STEP 1: Enter the Memory Mode

While the Safe AQ Angel meter is turned off, press the ϕ button for 3 seconds to turn on the meter. The 7 days average result, 14 days average result, 28 days average result and the most recent blood glucose test result should be displayed after press the ϕ button in sequence. See Figure 16~23.



Figure 16



Figure 17



Figure 18



Figure 19



Figure 20



Figure 21



Figure 22



Figure 23

Note: Safe AQ Angel Meter will not enter memory mode if the Safe AQ Angel Test Strip is in the test strip port.

STEP 2: Reviewing Test Results for Blood Glucose Test

Press the ∇ or \blacktriangle button to view all the blood glucose results in memory. The number of test result that you are viewing is displayed in the upper right hand corner of the screen.

See Figure _24~25_ Press and hold the ϕ for 3 seconds to turn off or briefly tap the ϕ to view your control solutions test results.



Figure 24



Figure 25

STEP 3: Reviewing Control Solution Test Results

After briefly pressing the ϕ button to switch into control solution test results the most recent control solution test results will appear. The control solution bottle that appears with the result tells you that you are in the Control Solution Results mode.

See Figure_26~27_

After viewing your Control Solutions results Press and hold the ϕ for 3 seconds to turn off.



Figure 26



Figure 27

STEP 4: Deleting Test Results from Memory

Start from test results review mode, press \odot and \blacktriangledown at the same time. Release the buttons when the screen displays 3 dashes and a short beep sound at the same time.

See Figure _28~29_



Figure 28

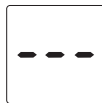


Figure 29

Once 200 blood glucose results or 10 control solution results are in memory, if you exceed this number of stored results, adding a new result causes the oldest one to be deleted.

Performance Characteristics

Accuracy: 95% test result of glucose meet the requirement below:

Concentration Range	Bias%
<5.5 mmol/L (100 mg/dL)	Within ± 0.83 mmol/L (± 15 mg/dL)
≥ 5.5 mmol/L (100 mg/dL)	Within $\pm 15\%$

Precision: test result of glucose meet the requirement below:

Concentration Range	Requirement
<5.5 mmol/L (100 mg/dL)	SD< 0.34 mmol/L (6.0 mg/dL)
≥ 5.5 mmol/L (100 mg/dL)	CV<6.0%

Details please read blood glucose test strip package insert.

Specifications

Blood volume	About 0.6 μ L
Sample type	Capillary whole blood, Venous whole blood
Calibration	Plasma equivalent
Measuring time	(5 \pm 1)s
Meter storage conditions	-20°C~55°C
Dimension	103 \times 57 \times 22 (mm)
Weight	1.8oz(52g)without batteries
Power source	3VDC, 2 AAA alkaline batteries
Battery life	perform up to 1,000 tests
Display	LCD
Memory	200 blood glucose measurement results with date and time 10 Control Solution measurement results with date and time
Operating condition	10°C~35°C RH \leq 80%

Construction	Hand-held
Measurement units	mg/dL or mmol/L
Measurement range	20~600 mg/dL or 1.1~33.3 mmol/L
Software version	V01

Additional features	
Auto electrode inserting detection	
Auto sample loading detection	
Auto reaction time count-down	
Temperature Warning	
Battery power Warning	
Used test strips Warning	

Caring for your Safe AQ Angel Meter

Maintenance

- Use of this instrument in a dry environment, especially if synthetic materials are present (synthetic clothing, carpets etc.) may cause damaging electrostatic discharges that may cause erroneous results.
- Do not use this instrument in close proximity to sources of strong electromagnetic radiation, as these may interfere with the proper operation.
- Cleaning for the Safe AQ Angel is easy. Just keep it free of dust. If you need to clean it, first make sure the meter is off. Then gently wipe the meter's surface with 75% alcohol.
- Avoid getting dirt, dust, blood, control solution or water inside the Safe AQ Angel meter through the test port.
- Store the Safe AQ Angel meter, Safe AQ Angel test strips and the Control Solution in the carry case after each use in a cool, dry place.
- Your Safe AQ Angel meter is a precision instrument and should be handled with care.

Storing Your System

- Store the Safe AQ Angel meter, Safe AQ Angel Test Strips and the Control Solution in the carrying case after each use in a cool, dry place.
- Do not freeze.
- Do not store in the kitchen or bathroom.

Battery

Your Safe AQ Angel meter is powered by 2 AAA alkaline batteries. Replacement batteries can be found in most stores. The meter shows the battery symbol only when the meter is out of battery life or full screen mode.

Low Battery

The meter shows a battery icon and E-1 in the display to indicate the condition of meter battery. When this message appears, there is not enough power to perform a test and the battery should be replaced as soon as possible. See Figure _30_

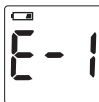


Figure 30

Battery Replacement

Step 1: With the Safe AQ Angel meter off press the buckle on the battery cover and lift up to open the cover. See Figure_31_

Step 2: Remove the two AAA alkaline batteries and replace with 2 new AAA alkaline batteries. Place as the inner compartment directs with “+” and “-” ends of the batteries. Check that you have placed them correctly and close the battery door.

Step 3: Check the time and date.

Replacing the battery does not affect the Safe AQ Angel meter’s memory (previous test results stored in memory).



Figure 31


Caution: As with all small objects, the batteries should be kept away from small children. If the battery is swallowed seek medical help right away.




System Troubleshooting





Special Messages

Special messages and error messages help to identify certain problems but do not appear in all cases when a problem has occurred. Improper use may cause an inaccurate result without showing an error message.

In the event of a problem, refer under Display, “What is Means, “What to do” in the Error Message section. If you continue to have problems please refer to the Troubleshooting Guide section. If you follow the actions recommended but the problem is not resolved, please contact Customer Service at +86-731-89935581/+86-731-89935582 for assistance.

Message	What it means
	“LO” appears when your result is below the measurement limit, which is less than 20 mg/dL(1.1 mmol/L). “LO” indicates hypoglycemia (low blood glucose). You should immediately consult your healthcare professional.

Message	What it means
	“HI” appears when your result is above the measurement limit, which is higher than 600 mg/dL(33.3 mmol/L). You should immediately consult your healthcare professional.
Message	What it means
	What it means: Low battery power, and you cannot perform a test. Action: Replace the batteries immediately.
Message	What it means
	What it means: The testing temperature is too high or too low. Action: Repeat the test after the Safe AQ Angel meter and the Safe AQ Angel Test Strip are within the operating temperature range.

Message	What it means
	<p>What it means:</p> <ol style="list-style-type: none"> 1. Insert used test strip or damped test strip. 2. Apply blood samples before  symbol flashing. <p>Action:</p> <ol style="list-style-type: none"> 1. Insert new test strip. 2. Wait for  symbol flashing, then apply blood samples.
Message	What it means
	<p>What it means:</p> <p>Parameter error.</p> <p>Action: Call Customer Service at +86-731-89935581/ +86-731-89935582.</p>

Troubleshooting Guide














Display	What it means	What to do
Meter does not turn on after inserting a test strip	Battery is installed incorrectly;	Check that the battery is correctly installed with the right position of sign “+” and “-” ;
	Dead battery;	Replace the battery;
	Test strip is inserted incorrectly or not completely in;	Insert the test strip correctly with the printing facing up;
	The meter set up is incorrect;	Remove the battery, wait for 3 minutes, then stall the battery, the meter restores to the factory default to perform. If it doesn’ t work, call Sinocare customer service at +86-731-89935581/ +86-731-89935582
	The display is dead	Remove the battery, wait for 3 minutes, then install the battery. If it doesn’ t work, call Sinocare customer service at +86-731-89935581/+86-731-89935582

Display	What it means	What to do
Meter doesn't begin test countdown after applying a blood sample	Not enough blood sample	Repeat the test with a new test strip with enough sample
	Sample is applied to wrong area of test strip	Repeat the test with a new test strip with blood sample drawn into right area
	Test strip is inserted incorrectly or not completely in	Insert a new test strip, with printing facing up
	Used test strip	Repeat the test with a new test strip
Meter displays incorrect test result	Test strip exposed in air for too long after open the vial or package	Finish the test within 3 minutes after taking out a test strip from a vial or package;
	The end of test strip may touch too firmly against the fingertip, and the sample cannot smoothly drawn into test strip;	Gently touch against the finger tip to draw a drop of blood;

Display	What it means	What to do
	The test strip package is damaged, and desiccant tablet becomes soft; or the test strip vial open for too long;	Use test strip from a new vial.
	expired test strip;	Use test strip from a new vial within USE-BY date.
	meter or test strip malfunction	Call Sinocare customer service at +86-731-89935581/+86-731-89935582
Meter begins to countdown after inserting a test strip without sample;	Test strip may be affected with damp	Use a new test strip

Description	Probable Cause	Actions
The Control Solution test is out of range	Error in performing the test	Read the instructions thoroughly and repeat the test again.
	Control Solution bottle not shaken well.	Shake the Control Solution bottle and repeat the test again.
	Expired or contaminated Control Solution	Check the expiration date and discard date of the Control Solution
	Safe AQ Angel Control Solution is too warm or too cold.	Control Solution should come to room temperature (less than 86°F/30°C).
	Safe AQ Angel Test Strip deterioration.	Please repeat the test with a new Safe AQ Angel Test Strip
Control Solution test is out of range,	Safe AQ Angel meter malfunction.	Please contact Customer Service at +86-731-89935581/ +86-731-89935582 for assistance.

Explanation of symbols

	Consult instructions for use		Keep dry
	Caution		Keep away from sunlight
	Storage and transportation Temperature limit		Serial number
	Manufacturer		Authorized representative in the European Community
	In vitro diagnostic medical device		CE marking
	Fragile, handle with care		Biological risks
	Symbol for the marking of electrical and electronics devices according to Directive 2012 /19 / EC . The device, accessories and packaging have to be disposed of waste correctly at the end of the usage, please follow Local Ordinance or Regulatory for disposal.		

Warranty

Sinocare warrants to the original purchaser of the meter that your Safe AQ Angel meter will be free from defects in materials and workmanship for 10 years from the date of purchase. If during this 10-year period, the meter does not work properly because of a defect in materials or workmanship, Sinocare will replace it with a new Safe AQ Angel meter or equivalent product free of charge. The warranty on the replacement meter will expire on the date of the original warranty expiration or 90 days after the shipment of a replacement system, whichever period is longer. The purchaser's exclusive remedy with respect to the Safe AQ Angel meter shall be replacement.

The above warranty is exclusive of all other warranties. Sinocare makes no other warranties, express or implied, including without limitation, the implied warranty of merchantability or fitness for a particular purpose. In no event shall Sinocare 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 5 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 limitation and exclusion may not apply to you. This warranty gives you specific legal rights, which vary from state to state

References

American Diabetes Association, Diabetes Care 2017 Jan; 40 (Supplement 1): S11–S24.
<https://doi.org/10.2337/dc17-S005>
ISO 15197:2013 In vitro diagnostic test systems—Requirements for blood-glucose monitoring systems for self-testing in managing diabetes mellitus

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Thank you for choosing Safe AQ Angel blood glucose meter,a free replacement under normal operation is provided. Please do complete the warranty card and send it back to our agent or our factory.We will inform you with information of the meter.

Thank you for supporting our product and us!

Purchase date: _____

Meter No.: _____

(Please reserve this part,and show it when in need)

Appendix 2 Warranty card (returned to producer)

Name: _____ Tel: _____

Age: _____ Gender: _____

Purchase date: _____ Meter No.: _____

Zip code: _____

Address: _____

Purchase place (full name of the agent):

Please complete the table correctly, we will provide you with
an excellent after-service.