Dr. Odin

Blood Glucose Meter Kit GDH-FAD
User Manual

INTRODUCTION

Thank you for choosing the Dr. Odin AC-307 GDH-FAD Blood Glucose Meter Kit. Designed for accurate and reliable blood glucose monitoring, the Dr. Odin GDH-FAD Blood Glucose Test Strips help measure glucose levels in fresh capillary whole blood. The system is suitable for self-testing by people with diabetes at home, as well as for professional use in healthcare settings.

Before using the Dr. Odin GDH-FAD AC-307 Blood Glucose Meter, please read this user manual carefully to ensure safe and proper operation. If you have any questions or require assistance, please contact our customer support team or your nearest authorized distributor.

Synchronize via App

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ABOUT AC-307 METER

Intended Use

The AC-307 blood glucose meter is designed to quantitatively measure the concentration of glucose in capillary whole blood by people with diabetes or by healthcare professionals for monitoring blood glucose at home or in healthcare facilities.
The device is an over-the-counter device indicated for professional use and for home use.
The meter is for quantitative blood glucose testing with AC-307 blood glucose test strips.

About the Meter

The AC-307 blood glucose meter uses the biosensor technology in blood glucose monitoring to provide you with easy and comfortable testing. It requires only 0.8μL blood sample to complete the testing in just 5 seconds.

Important Information

The AC-307 blood glucose meter is intended for in vitro diagnostic use with capillary whole blood. The meter should not be used for diagnosis of diabetes or for testing newborn infant (neonatal testing).

Caution

1.The user should not take any decision of medical relevance without first consulting his or her medical professionals.
2. Call your doctor immediately if you experience symptoms that are not consistent with your blood glucose test results.
3. Severe dehydration or excessive water loss may cause false results. Call your doctor right away if you believe you are suffering from dehydration.
4. A red blood cell count (hematocrit) that is either very high (over 65%) or very low (under 25%) may cause false result.
5. Operating temperature outside the range of 10°C to 40°C (50°F to 104°F)may affect the test results.

6. Interferences: Acetaminophen, Dopa mine,L-DOPA,Ibuprofen, Salicylate, Bilirubin,Creatinine,Cholesterol,Triglycerides, Uric acid, EDTA, Galactose, Gentisic acid, Glutathione,Haemoglobin,Heparin, Maltose, Methyl-DOPA, Tolbutamide,Tolazamide, Xylose,Pralidoxime Iodide and Icodextrin (when occurring in normal or therapeutic concentrations) do not significantly affect results. However, abnormal high concentra tions of substances, such as Acetamino phen,Salicylate,Uric acid,and other reducing substances in blood, may cause inaccurately high results.

7. Intravenous administration of ascorbic acid which results in blood concentrations of ascorbic acid >3 mg/dL will cause overesti mation of blood glucose results.

8. The diabetic who accept xylose absorption test please do not use the Dr. Odin AC series Blood Glucose meter and test strips, because xylose could lead to high test results.

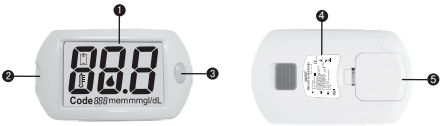
The Package of the AC-307 Blood Glucose Meter contains:

1. Blood Glucose Meter
2. Lancing Device
3. 10 Strips
4. 10 Lancets
5. 3V Lithium Battery (CR2032)
6. User Manual
7. Carrying Case

NOTE: PLEASE MAKE SURE THAT ALL PRODUCTS LISTED ON THE "CONTENTS" OF THE BOX ARE CONTAINED IN THE PACKAGE BEFORE USING THIS METER. IF YOU FIND ANY IMPERFECTION IN OUR PRODUCTS, PLEASE RETURN THE ENTIRE PACKAGE TO THE PLACE OF PURCHASE.

AC-307 BLOOD GLUCOSE METER AND LCD WINDOW

Study the meter by reading the diagram.

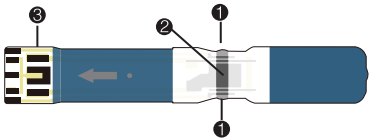


1. **DISPLAY:** The large, easy to read display shows blood glucose results, messages, glucose results stored in memory.
2. **STRIP SLOT:** Holds a Test Strip or Check Strip in place when you perform blood glucose test or perform check tests.
3. **BUTTON:** Press to turn on the meter and enter memory mode to recall the information stored in meter's memory.
4. **METER LABEL:** Label of the Meter.
5. **BATTERY COMPARTMENT:** Holds ONE 3V Lithium battery.The battery is not installed into meter when newly purchased.Please install the battery first before use.

1. **TEST RESULT**
2. **DATE:** Month/Date.
3. **DAY AVG:** Appears when the meter is in the memory mode while recalling 7/14/21/28-day test averages.
4. **TIME:** 24 hour period format.
5. **BATTERY SYMBOL** when battery is low.
6. **SYMBOL:** "Keto" symbol appears when the blood glucose concentration is above 17.8 mmol/L (320 mg/dL). This simply suggests that a ketone test is recommended. Consult your healthcare professional about testing for ketones;"Hypo" symbol appears when the blood glucose concentration is below 3.9 mmol/L (70 mg/dL).
7. **mg/dL / mmol/L:** Results are displayed as mg/dL or mmol/L.
8. **SYMBOL:** The test can be adjusted and stored into 3 types of test modes - BEFORE MEAL TEST (AC), AFTER MEAL TEST (PC), and CONTROL SOLUTION TEST (QC).
9. The display shows to indicate that all digits are working properly.
10. appears when reading previous results.

11. **CODE:** Code appears to indicate code number when it's ready to test.
12. **THERMOMETER SYMBOL:** Appears when ambient temperatureis outside the acceptable range needed for testing.
13. **STRIP SYMBOL:** Appears when the test strip is inserted and meter is ready for blood testing. Recap the vial immediately after removing test strips.

AC-307 BLOOD GLUCOSE TEST STRIP



1. Sampling Port: apply the blood to either side of strip.
2. Detection Zone: make sure this part is filled up with blood to ensure the correct results.
For example:

(√) (×)

3. Electrode End: insert this end of test strip into meter.

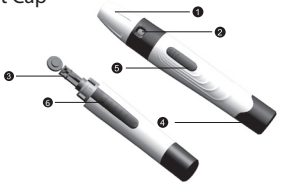
Important Information

1. Do not use damaged test strips or test strips changed in any way. Use test strip immediately after removing it from the vial. Recap the vial immediately and close it tightly.
2. AC-307 Blood Glucose Test Strips are intended for in vitro diagnostic use with capillary whole blood or control solution. Results will not be accurate if plasma or serum samples is used.
3. AC-307 Blood Glucose Test Strip can be damaged by heat and light. Keep the vial in a cool, dry place below to 30°C / 86°F and above 5°C / 41°F.
4. Do not refrigerate.
5. Do not use test strips beyond the expiration date indicated on the vial. The discard date for test strips is three(3) months after first opening the vial. Record the discard date on the vial, when you open a new one.
6. For single use only.
7. Do not carry loose test strips in your carrying case.

Prepare for Blood Sampling Adjustable Lancing Device

Used with lancet to obtain a blood sample.

1. Depth adjustment Cap
2. Depth Selector
3. Lancet Holder
4. Cocking Control
5. Release Button
6. Exit Button



Lancet

Used with lancing device to obtain a blood sample.

1. Protective cap

Important Information

- Lancet is for single use only.
- Keep lancing device and lancets clean.
- Use caution when removing and disposing the used lancet.

- The lancing device and lancets are in conformity with MDD 93/42/EEC. Refer to product labels for contact information of manufacturer and CE marking.

ADJUSTABLE LANCING DEVICE

1.Remove the depth adjustment cap.

2.Insert a lancet into the lancet holder and push down until it is fully seated.

3.Twist off the protective disk until it separates from the lancet.

4.Replace the depth adjustment cap.

5.Set the puncture depth to the desired number .

Note: the larger the number setting,the deeper the puncture.

6.Pull back the cocking control until it makes a click, then release. If it does not click, the device may have been cocked when you inserted the lancet.

7.Hold the device firmly against the side of your finger . Press the release button.

8.Carefully remove off the adjustment cap.

9.Push forward the exit button to discard the lancet in a puncture resistant container

10.Replace the adjustment cap again.

Setting Time and Date

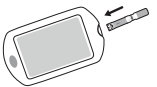
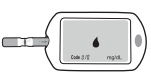
When you first time installing the battery into the meter or when replacing a battery, the meter will automatically enter to the setting mode. Please set correct time and date before you begin testing.

How to set time and date:

1. Press button to select the desired year.
2. After year is set ,allow it to flash for 3 times and shift to the next setting.
3. Repeat above steps to set the month, day, hour and minute by Button.
4. After minute is set, the meter will display “OK” before turning off.

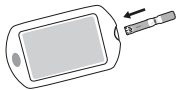
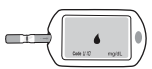
CHECKING THE CODE

Before you perform your first blood glucose test or every time you open a new box of test strips , you need to verify that the meter "matches" the strips.

1. Insert the test strip into the meter in the direction of the arrows. The meter turns on and beeps. The code number appears briefly.	
2. Make sure the code number on the display matches the code number on the test strip container.	
3. If the two numbers do not match, please contact us or your local distributor. If you miss seeing the code number, remove the test strip and reinsert it into the meter. If the two numbers match you may begin blood testing.	
4. When the proper code and a blinking symbol shows up, which means your meter is ready to perform a test.	

PERFORMING A TEST WITH AC-307 BLOOD GLUCOSE TEST STRIP

Before you perform your first blood glucose test or every time you open a new box of test strips , you need to verify that the meter "matches" the strips.

1. Wash your hands in warm, soapy water. Rinse and dry completely. Warm your fingers to increase blood flow.	
2. Remove a new test strip from vial. Be sure to tightly re-cap the via after removing test strips. Insert the test strip immediately into strip slot as illustrated . The meter turns on automatically.	
3. Check that the code number in the meter matches the code on the vial of test strips you are using.	
4. When the symbol flashes, you are ready to perform a test.	
4. Use the lancet loaded in lancing device to obtain a drop of blood on the side of your finger. Hold the device firmly against the side of your finger. Press the release button. Gently massage your finger to obtain the required blood volume. To perform the test, you need only 0.8μL of blood sample.	

UNDERSTANDING YOUR TEST RESULT-NORMAL BLOOD GLUCOSE RANGE

- The normal blood glucose range is 70 to 100 mg/dL (3.9 to 5.6mmol/L) for fasting, and less than 140 mg/dL(7.8 mmol/L) two hours after meals for a non-diabetic adult. Consult your healthcare professional to find out your target blood glucose value.
- If your blood glucose result seems unusually high or low, or inconsistent with your previous results, check the followings:

1. Does the code number on the test strip vial match the code number on the meter?
2. Was the blood sample applied to the test strip immediately after removing it from the vial?
3. Was the size of the blood sample sufficient?
4. Was the test strip vial cap tightly sealed?
5. Were the test strip expired?
6. Were the test strips stored away from extreme temperatures in very cold or hot weather or from areas of high humidity?

Then run a quality control check with your control solutions and a new test strip. If the control test result is within the acceptable range, review testing procedure and repeat your blood glucose test with a new test strip. If your blood glucose value is still inconsistent with your previous results, glucose trend, or how you feel, contact your doctor immediately for help.

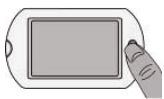
REFERENCE

1.Stedman, Thomas Lathrop. Stedman' s Medical Dictionary, 28th Edition, 2006, pg. 2082.
2.D' Orazio et al.: IFCC Recommendation on Reporting Blood Glucose Results; Clinical Chemistry 51:9 1573-1576 (2005)

MEMORY RECALL

The AC-307 Blood Glucose Meter can automatically store up to 180 test results.When recalling the results, each single result appears from the latest to the oldest. If the memory is full and a new result is added, the meter deletes the oldest result.

To Recall Results Stored in Memory

1. Turn meter on by press button until you hear a beep sound.	
2. The first result "01 mem" displayed on the screen is your latest test result. By pressing button, you will see your test record from the most recent to the oldest.	
3. Please press button for 2 seconds to EXIT or put it aside for 3 minutes for auto shutdown.	

CONTROL SOLUTION (OPTIONAL)

Control solution is used to check if the AC-307 Blood Glucose Meter and AC-307 Blood Glucose Test Strips are working together properly as a system. It can be used in two ways:

1. To practice the test procedure.
2. To make sure that the AC-307 blood glucose meter and AC-307 blood glucose test strips are working together properly.

IMPORTANT INFORMATION

1. Do not use control solution beyond the expiration date indicated on the bottle label.
2. The discard date for control solution is 90 days after first opening. Record the discard date on the bottle, when you open a new bottle of control solution.
3. Store the control solution closed at temperature range of 5ºC-30ºC (41ºF-86ºF).

PERFORM A CONTROL TEST

1. Insert a new test strip into the strip slot, the meter will activate.
2. The code number will appear on the screen. Compare the code number shown on the screen against the code number on the test strip vial. If the two numbers match, you may begin test.
3. Gently shake the control solution, discard the first drop and apply the control solution to the right or left edge of the strip. Make sure that the control solution has saturated the test confirmation window.
4. Test result will show up in 5 seconds. The result should correspond to the range printed on the label of strip vial used.

NOTE: REPEAT TEST IF THE RESULT FALLS OUTSIDE THE CONTROL RANGE ON THE CONTROL SOLUTION BOTTLE LABE. IF YOU CONTINUE TO GET THE RESULT FALLING OUTSIDE THE CONTROL RANGE, YOUR METER AND STRIP MAY NOT BE WORKING PROPERLY. DO NOT USE THE SYSTEM TO TEST YOUR BLOOD UNTIL YOU GET A TEST RESULT FALLS WITHIN THE CONTROL RANGE. CONSULT YOUR LOCAL DISTRIBUTOR FOR HELP.

METER SPECIFICATIONS

1	Assay Method	Electrochemical biosensor
2	Test Sample	Capillary whole blood from adults only
3	Calibratedt Result	Plasma glucose
4	Sample Size	0.8 μL
5	Measuring Time	5 seconds
6	Measuring Range	20– 600 mg/dL (1.1– 33.3 mmol/L)
7	Acceptable Hematocrit Range	25%~65%
8	Operating Temp. Range	10℃~40℃(50°F~104°F)
9	Operating Relative Humidity	20% - 80% RH
10	Memory Capacity	180 test results
11	Power Supply	One 3V Lithium Battery (CR2032)
12	Battery Life	Approximately 1,000 tests
13	Automatic shut-off	In 3 minutes
14	Meter storage conditions	Humidity: 20% - 80% RH Temperature: -25ºC to 70ºC

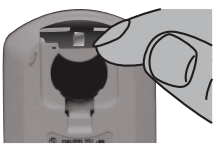
Electromagnetic Compatibility

It is the manufacturer's responsibility to provide equipment electromagnetic compatibility information to the customer or user.
It is the user's responsibility to ensure that a compatible electromagnetic environment for the equipment can be maintained in order that the device will perform as intended.
This product complies with the emission and immunity requirements of EN/IEC 61326-2-6 and EN/IEC 61326-1.
This equipment has been designed and tested to CISPR 11 Class A. In a domestic environment it may cause radio interference, in which case, you may need to take measures to mitigate the interference.
Before using the equipment, the electromagnetic environment should be evaluated prior to operation of it.
Do not use this equipment in close proximity to sources of strong electromagnetic radiation (e.g. unshielded intentional RF sources), as these can interfere with the proper operation.

TAKING CARE OF YOUR METER

When the meter is dirty, please clean it by wiping gently with a cotton swab or cloth.
Avoid use powder to clean meter.
This instrument should not be subjected to extremes in temperatures, humidity, direct sunlight, shock or dust.

TO REPLACE THE BATTERY

1. Make sure the meter is turned off. Let the front of the meter rest in the palm of your hand. Slide battery compartment door open.	
2. Remove the old battery and insert the new 3V Lithium battery into the battery compartment, with the "+" side facing up.	
3. Slide battery compartment door closed. Check to see if your meter is working. If it fails to turn on, the battery may have been inserted incorrectly. Remove the battery and reinsert it as illustrated.	

CLEANING METER

Caring for your AC-307 blood glucose meter is easy - just keep it free of dust. If you need to clean it, please follow the guidelines below carefully to help you get the best performance:

Do:

- Make sure the meter is turned off.
- Gently wipe the meter surface with a soft cloth slightly dampened with 75% medical alcohol.
- Make sure that you squeeze off excess liquid from the cloth before you wipe the meter's surface.

Do Not:

- Get any moisture in the code chip slot or test strip slot.
- Spray any cleaning solution directly onto the meter.
- Put the meter under water or liquid.
- Pour liquid into the meter.

STORAGE AND HANDLING

Keep your meter free of dust. Protect it from extreme temperature and humidity.

DISPOSING YOUR METER

During blood glucose measurement the meter itself may come into contact with blood. Used meters may carry a risk of infection. Please dispose your used meter properly after removing the battery according to the regulations applicable in your country. For information about correct disposal please contact your local council and authority.

The meter falls outside the scope of European Directive 2012/19/EU (Directive on waste electrical and electronic equipment (WEEE)).

DISPLAYING MESSAGES AND TROUBLESHOOTING

As listed below are problems that may appear with your AC-307 Blood Glucose Meter when performing a test, These messages will help you to identify certain problems. If you have any concerns or see any other error display, please contact us or the local distributor for help.

DISPLAY	*Description*	*Action To Take*
	Display check	If some parts of the display do not work,contact your local distributor for help.
	Blood glucose result may be higher than 600 mg/dL or 33.3mmol/L.	If this is not confirmed by the way you feel, review proper testing procedure and perform a quality check with control solution. Repeat blood test. If "HI" still appears, call your doctor immediately.
	Blood glucose result may be lower than 20 mg/dL or 1.1mmol/L.	If this is not confirmed by the way you feel, review proper testing procedure and perform a quality check with control solution. Repeat blood test. If "LO" still appears, call your doctor immediately.
	The meter may be defected.	Turn off and turn on the meter again, if the display still appears, please contact your local distributor for help.
	Test strip may be moistened.	Perform the test with a new test strip only and follow the test procedure correctly.

	Test strip is used or test was not performed correctly.	Perform the test with a new test strip and follow the test procedure correctly.
	Battery is dead.	Change battery now.
	Temperature is above or below the operating range of test strips.	The result you have obtained may not be accurate. Move to an area with temperature between 10°C to 40°C (50°F - 104°F). Do not artificially heat or cool the meter.
	No memory in the meter.	
	The meter is ready for blood testing.	
No responses when strip is inserted into the meter.	Maybe: 1. Battery is dead 2. Wrong strip is inserted 3. Meter is defective	You have to: 1.Replace battery 2.Insert the test strip correctly 3. Contact us for help
No responses when blood sample is applied to the strip.	Maybe: 1.Blood sample is not sufficient 2.Meter is defective	You have to: 1.Repeat test with sufficient sample 2. Perform Meter Quality Check by inserting check strip

SYMBOLS CONVEY

IVD	For in vitro diagnostic use		B application
LOT	Lot number		Please consult instructions for use
CE 0197	CE Certification		Caution,consult accompanying document
	Temperature limitation/Store at		Manufacturer
EC REP	Authorized representative		Discarded glucose meters and batteries must be discarded in containers labelled with WEEE. Please comply with local regulations and take appropriate protective measures to dispose of all wastes.
	Humidity limitation /store at	SN	The serial number

WARRANTY

This product is backed by a lifetime warranty from the date of purchase, validated by the dealers stamp and signature along with the purchaser receipt.

IMPORTED & MARKETED BY:
Passim Medichem Agencies
186, Ind. Area, Phase-II,
Chandigarh 160002 INDIA

Corporate Office:
902, 9th Floor, WallFort House,
S.V. Road, Nr. CitiMall, Goregaon (W)
Mumbai - 400 062, INDIA

Customer Care No.: 1800 309 3009
(Timing: 9am to 7pm Mon. to Sat.)
Website: www.drodin.in
Email ID: customercare@drodin.in

WPC ETA Reg. No.:
ETA-SD-20260504824

WARRANTY CARD

Model No..... Lot No.....

Invoice No..... Date of Purchase.....

Purchased by :..... Contact No. :.....

Address.....

Dealer Name.....

Dr. Odin®

Dealer Sign & Stamp

YASEE BioMedical Inc.
NO.9 Xiuyuan Road, High-tech Industrial Development Zone,
Qingdao City, Shandong, 266000, China.

EC REP
Prolinx GmbH
Brehmstr. 56, 40239 Duesseldorf
Germany

CE 0197

CE Certification

Detailed Instructions

1. Download the Dr Odin App

• Open the App Store on your iPhone or Google Play Store on your Android device.
• Search for "Dr Odin".
• Download and install the Dr Odin app.
• Open the app and sign in or create a new account.

2. Select Glucometer in Connected Devices

• In the bottom navigation bar, tap on "Devices".
• Tap on "Add New Device".
• From the list of device categories, select "Glucometer".

3. Power On Your Glucometer

• Press and hold the power button on your SyncSmart Glucometer to turn it ON.
• Make sure Bluetooth is enabled on your smartphone.
• The glucometer will appear in the "Nearby Devices" list in the app.

4. Press Pair

• Tap the "Pair" button next to "Sync Smart Glucometer".
• Wait for the pairing process to complete.
• A "Connected!" message will appear on the screen.
Detailed Instructions.

Connect Your SyncSmart Glucometer with the Dr. Odin App

1

Download Dr. Odin App

2

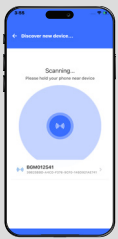
Go to Connected Device & Select your Device

3

Turn on your Device

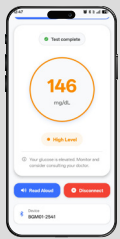
4

Tap"Pair"when your device appears

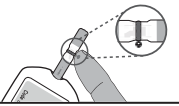


5

View Detailed Report



6. Apply the blood sample to the left or right edge of test strip in a way that is comfortable to you. Make sure that the blood drop has saturated the test confirmation window. When blood is applied to the strip, a line moves on the display until measurement is completed.



7. You result will show up in 5 seconds, and it is automatically recorded in the meter's memory. Record your test result in the log book.

8. If the test is been done in 2 hours after meal, press set button to change the setting from AC to PC. If the test is a control solution test, press set button again to change the setting from PC to QC.

9. After completing the testing, remove the test strip from the meter. and discard the used strip and lancet safely in a puncture resistant container.

10. The meter has risk indicator function. If is displayed,your blood glucose result may be higher than 320 mg/dL. If is displayed, your blood glucose result may be lower than 70 mg/dL.The testing range of the meter is from 20 to 600 mg/dL (1.1-33.3mmol/L). If "HI" is displayed, your blood glucose result may be higher than 600 mg/dL(33.3mmol/L). If "LO" is displayed, your blood glucose result may be lower than 20mg/dL (1.1mmol/L).