



MEDCHECK
www.getmedcheck.com

User Manual

Bluetooth Self-Monitoring Blood Glucose System

Model No. SFBG01



Introduction

This booklet has important information you must know about MEDCHECK Self-Monitoring Blood Glucose System (SMBG System in short) with detailed directions and illustrations.

- ✎ To ensure that you use properly and obtain the best test results possible, please read the entire User Manual before testing.
- ✎ This package contains 2 new AAA “LR03” (1.5V) Alkaline batteries. Insert them into SFBG01 by following steps in this manual to ensure normal function.
- ✎ If you have any concerns, or need any assistance about maintenance, please call SMARTFUTURE PTE LTD office or authorized distributor during business hours.

Caution

- ⚠ To make sure that you operate MEDCHECK SMBG System safely and accurately, please follow the user manual.
- ⚠ Please keep MEDCHECK SMBG System away from any liquid or sprays, keep them dry.
- ⚠ Do not use MEDCHECK SMBG System on purposes outside “Intended Use”.
- ⚠ Only use accessories supplied or recommended by the manufacturer.
- ⚠ Avoid severe impact on the meter. It may cause malfunction.
- ⚠ Do not take SFBG01 Blood Glucose Meter apart, or modify anything. Such action may void your warranty.
- ⚠ Do not place anything on top of SFBG01 Blood Glucose Meter.
- ⚠ Keep the whole MEDCHECK SMBG System away from children. They may choke on battery, or tiny component parts by accident.
- ⚠ Keep SFBG01 Blood Glucose Meter free from dust, hair, etc. Store the meter in its container after use.
- ⚠ If you feel you are suffering from severe dehydration, stop using and consult healthcare professionals right away.
- ⚠ If your symptoms are not consistent with blood glucose test results and you have followed all instructions this manual, seek your healthcare professional for help.
- ⚠ Dispose of medical waste per local regulations.
- ⚠ Warning for potential biohazard: Healthcare professionals using this system on multiple patients should be aware that all products or objects that come in contact with human blood, even after cleaning, should be handled as if capable of transmitting viral disease. So the healthcare professionals should wear disposable gloves and have an inoculation regularly to prevent infections.

Appendices

Explanation of Symbols
















Item	Explanation
 0537	This product meets the requirements of Directive 98/79/EC <i>in vitro</i> diagnostic medical devices
	Lot Number
	Use-By date
	<i>in vitro</i> diagnostic medical device
	AAA "LR03" (1.5V) Alkaline Batteries
	Do not reuse
	Temperature Limitation
	Manufacturer
	Follow Instructions for Use
IP22	Meter only Degrees of protection provided by enclosures
	Serial Number
	Biological Risks
	Precision control material for a diagnostic test
	Authorized Representative in the European Community
	Discard the used product to the recycling collection point according to local regulations
	Date of manufacture

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About MEDCHECK SMBG System

Thank you for choosing MEDCHECK SMBG System. Designed for ease of use, the device can help you and your healthcare professional monitor and adjust your treatment plan to gain better control of your diabetes.

Important Information !

- Expected Results for Non-Diabetic, Non-Pregnant Adults: The normal fasting glucose range is 3.9 ~ 5.6 mmol/L (70 ~ 100 mg/dL)
Two hours after meals, normal glucose values should be less than 7.8 mmol/L (140 mg/dL)
- Severe dehydration resulting from excessive water loss may cause false results. If you feel you are suffering from severe dehydration, consult the healthcare professionals immediately.

- Test results below 3.9 mmol/L (70 mg/dL) mean low blood glucose (hypoglycemia).
- Test results greater than 13.3 mmol/L (240 mg/dL) mean high blood glucose (hyperglycemia).
- If you get results below 3.9 mmol/L (70 mg/dL) or above 13.3 mmol/L (240 mg/dL), and do not have symptoms, repeat the test.
- If you have symptoms or continue to get results that fall below 3.9 mmol/L (70 mg/dL) or above 13.3 mmol/L (240 mg/dL), follow the treatment advice of your healthcare professional.

- Record the opening date of test strips on its vial. Discard all unused strips 90 days after opening date. The strips are for single use only.
- If your symptoms are not consistent with blood glucose test results and you have followed all instructions this manual, seek your healthcare professional for help.
- Warning of potential biohazard: Healthcare professionals using this system on multiple patients should be aware that all products or objects that come in contact with human blood, even after cleaning, should be handled as if capable of transmitting viral disease.

About MEDCHECK SMBG System

Intended Use

MEDCHECK SMBG System is self-test medical device and intended for both home testing and for professional use to monitor the blood glucose (β -D-glucose) levels from fresh capillary whole blood obtained from the finger tip.

It is indicated to be used by diabetics at home or in a clinical setting by professional healthcare personnel to measure the glucose concentration for aiding diabetes management. The owner can only use SFBG01 Blood Glucose Meter with SFTS01/SFTTS02 Blood Glucose Test Strips.

Measuring Principle

We design MEDCHECK SMBG System by using the latest biosensor technology. It measures the glucose levels of the blood specimen by using a disposable dry reagent strip which can produce an electrical current. And the current will transfer to the meter for measurement. The amount of the current is proportional to the amount of glucose present in the blood sample. Test results are “plasma equivalent”.

The system consists of two main products: SFBG01 Blood Glucose Meter, and SFTS02 Blood Glucose Test Strips. These have been designed, tested, and proven to work together and perform accurate results.

Note

- The accuracy of MEDCHECK SMBG System was compared with YSI 2300 Analyzer.
- The patient is an intended operator.

About MEDCHECK SMBG System

System Kit

- SFBG01 Blood Glucose Meter
- SFTS02 10pcs Blood Glucose Test Strips
- SFCS01 Glucose Control Solution (Sold Separately)
- SFTS01 25pcs Blood Glucose Test Strips (Sold Separately)
- Lancing Device
- 10 Lancets
- 2 AAA “LR03” (1.5V) Alkaline Batteries
- Wallet
- Complete instructions:
 - User Manual for SFBG01 SMBG System
 - Quick Reference Guide

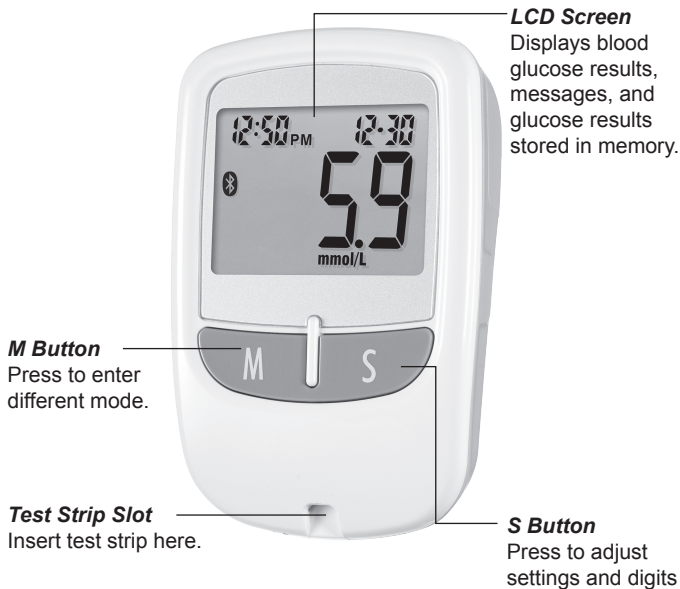
Note

- Please consult your provider/local distributor for extra Blood Glucose Test Strips .
- If contents of your package do not meet the system kit list above, please return the whole package to local distributor.
- If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

About MEDCHECK SMBG System

Component Description

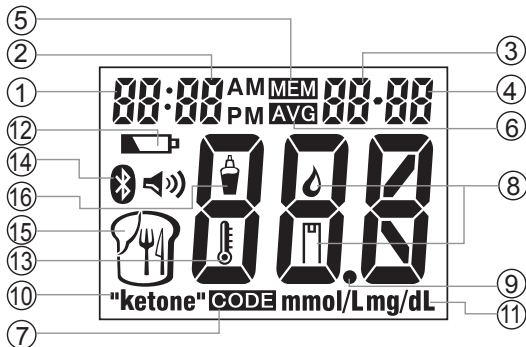
SFBG01 Blood Glucose Meter



About MEDCHECK SMBG System

Component Description

SFBG01 Blood Glucose Meter



1 & 2	Hour & Minute	7	CODE Appear while LCD displays code number of the test strips	12	Low Battery Symbol Appears when battery is low
3	Month or Year	8	Apply Blood Symbol Your meter is ready to measure.	13	Temperature Symbol Appears when ambient temperature exceeds operating temperature.
4	Day or Year	9	Decimal Point Appears when LCD displays blood glucose result in mmol/L unit.	14	BT Symbol Appears when turn on the BT function
5	MEM Appear while LCD displays past results.	10	ketone Symbol Appears when blood glucose result is equal to or higher than 13.3mmol/L (240 mg/dL).	15	Pre-meal or Post-meal Symbol Indicates whether the test result is taken before or after meal.
6	AVG Appear while LCD displays average of past 7 days result.	11	mmol/L & mg/dL This device can display results in mmol/L unit and mg/dL.	16	Control Solution Test Symbol Appears while performing Control Solution Mode.

About MEDCHECK SMBG System

Component Description

Blood Glucose Test Strips



Contact Electrode

Insert into the test strip slot.

Insert the test strip as far as it will go.

Top Edge (Collection Zone)

Move blood sample or glucose control solution close to the top edge of the test strip.

WARNING

Keep the strip vial away from children; in case any choking hazard happens. The desiccate reagent in the vial may cause skin or eye irritation by contact.

Note

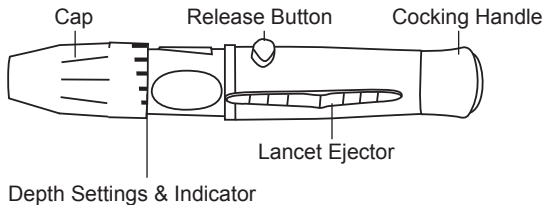
- Only use SFTS01/ SFTS02 Blood Glucose Test Strips with SFBG01 Blood Glucose Meter only.
- Do not touch the strip when your hands are wet.
- Record the first opening date on the vial, and use them within 90 days after first opening. If not, discard them in case inaccurate results may occur.
- Do not use strips beyond the expiration date printed on the vial since it may cause inaccurate results.
- Blood Glucose Test Strips are for single use only. Never reuse.
- Keep Blood Glucose Test Strips in vial always.
- Bending, cutting, or twisting strips are prohibited.

About MEDCHECK SMBG System

Component Description

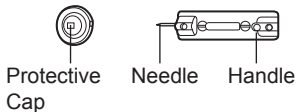
Lancing Device

It is used with sterile lancet to obtain the blood for the testing.



Lancets

It is used with lancing device to obtain the blood for the testing.



Key Features

Bluetooth Data Transmission

SFBG01 features a built-in “Bluetooth Data Transmission” function, which enables the device to transmit measured results to paired Bluetooth Smartphone via MedCheck Android or iOS App.

Bluetooth compatibility with blood glucose meter for Bluetooth-enabled device is:

- Bluetooth 4.0 for Android 4.4 or above,
- Bluetooth 4.0 for iOS 8.0 or above

Note

- SFBG01 is subject to and complies with electromagnetic compatibility (EMC) standard of IEC 60601-1-2 rules, EN 301 489-1, EN 301 489-17, and EN 300 328 and U.S. federal guidelines, Part 15 of the FCC (Federal Communications Commission) rules for devices with RF capability. These guidelines help ensure that your device will not affect the operation of other nearby devices. Additionally, other devices should not affect the use of your device.
- Other wireless devices that are in use nearby, such as a cell or mobile phone, or a wireless network, may prevent or delay the transmission of data from your device to paired Bluetooth device. Moving away from the source of the interference or turning off these devices will resolve the problem.
- Make sure SFBG01 and paired Bluetooth device are within acceptable distance (no more than 5 meters) with each other. If not, put them closer.



About Bluetooth Transmission Function

The Bluetooth transmission function might not be workable to some Bluetooth devices because of the compatibility of operation system, and/or hardware specification.

Please ensure the compatibility before using the Bluetooth data transmission function.

Key Features

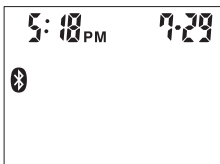
Component Description

Meal Comment Function enables our user to add pre-meal or post-meal symbols on each test result. AC symbol  represents pre-meal results, while PC symbol  represents post-meal results.

It benefits user to better manage the glucose control plan and also your healthcare professional by providing data when diagnosing and prescribing.

Follow below steps to activate Meal Comment Function:

- 1** Under Standby Mode (Right Figure), press **S** button to enter Meal Comment Setting Mode.







- 2** Our default setting is off (Upper Right). Press **S** button to switch the function on (Lower Right), or off. When done, press **M** button and return to Standby Mode.



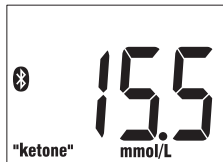
Key Features

Note

- For those who do not wish to change meal comment to test results, simply remove test strip from test strip port after measurement ends. Meter will automatically store your test result in its memory with previous set symbol.
- With Meal Comment Function on:
Pre-meal: Test result appears with Symbol  .
Post-meal: Our default setting. Test result appears with Symbol  .
- When measurement ends, users can replace  or  Symbol by pressing **S** button, depending on their physical status.

Ketone Warning

When having over-intake of calories or insufficient insulin secretion, human body tends to consume fat as energy source. In this case, Ketone, an acid waste, is produced, which can cause damage or cell death. Human body accumulates excessive Ketone in blood and excretes it through urine.




LCD screen displays Ketone Symbol when test result is equal to or higher than 13.3 mmol/L (240 mg/dL). Do not panic, and please test again. If this symbol shows up constantly, promptly consult your physician or medical professional.

For users who have Type 1 diabetes, there is a possibility of ketoacidosis or ketone accumulation.

Get Ready for Testing

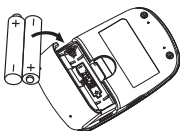
To avoid inaccurate results caused by electromagnetic interference between electrical and electronic equipments, do not use the device near a mobile phone or microwave oven.

Battery Installation

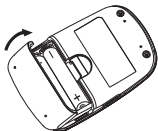
The meter uses 2 pieces of AAA “LR03” (1.5V) Alkaline Batteries. For new users, please insert 2 new batteries before use, and please replace old batteries with new ones when Low Battery Symbol  shows up



Slide battery cover from back of meter.




Install 2 new AAA alkaline batteries in accordance with correct polarities.



Put the battery cap back.

Note

- ⚡ If the  symbol flashes, that means the power is too low to work.
- ⚡ Previously stored memories will not be erased when batteries are replaced.
- ⚡ After batteries are replaced, please reset year, date and time again.
- ⚡ All batteries used must be the same type. Do not mix alkaline, standard (carbon-zinc) or rechargeable (cadmium) batteries
- ⚡ Do not mix new and old batteries.
- ⚡ To save the power, please take out the batteries if you do not use the meter for a long period (approx. 2 months or more).
- ⚡ Batteries are hazardous waste. Do not dispose of them together with the household garbage. Please discard worn-out batteries to the recycling site according to local regulations.

Get Ready for Testing

Presetting Date/ Time/ Unit

Please pre-set your meter whenever you insert or replace the batteries. See following steps for details.

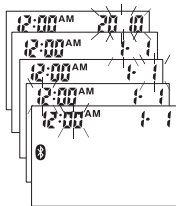
- 1 Under Standby Mode, press and hold **M** button for 3 seconds to enter Setting Mode.

Note: After battery replacement, meter automatically activates Setting Mode.



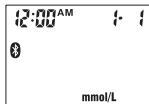
- 2 When YEAR digits flash, press **S** button to select current year. When done, press **M** button to confirm.

To complete date and time settings, repeat above steps by setting MONTH, DATE, HOUR and MINUTE in sequence.



- 3 After setting the correct year, select preferable unit by pressing **S** button.

When done, press **M** button to confirm.



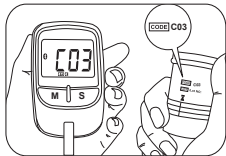
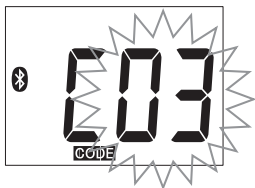
Get Ready for Testing

Setting Test Strip Code Number


There are two ways to set the strip code: 1) press **S** button for 3 seconds in standby mode or 2) insert the strip at any time and press the **M** button.

LCD displays upper right figure, adjust numeral digit per following steps:

- Press **S** button to adjust numeral digits until it matches with code number printed on the Test Strip vial.
- When done, press **M** button to confirm.



Note

- After the screen displays the  symbol, press **M** button, you can return to the Code Setting Mode.
- Before measurement, make sure the code number on the vial matches number you set in order to get an accurate result.
- After inserting a new strip, user can directly activate Code Number Setting Mode by pressing **M** button. Follow above two steps to complete setting.

Quality Control of the System

Using Glucose Control Solution (Sold Separately)

The purpose of SFCS01 Glucose Control Solution is to perform a quality control test to verify whether your meter and test strips are working together properly. Please contact Smartfuture Pte Ltd or local distributor to buy SFCS01 Glucose Control Solution.

There are two levels of Glucose Control Solutions for different acceptable ranges: High Level and Low Level. We recommend testing with both levels of Glucose Control Solution.

● **How does it work?**

A known amount of glucose in the control solution reacts with SFTS02 Blood Glucose Test Strip.

● **Who or when to perform a control solution test?**

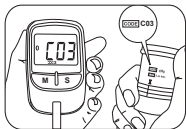
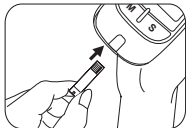
- Strong impact on the meter.
- When your symptoms do not agree with the way you feel, or when the result is higher or lower than expectation.
- Whenever users wish to check whether Blood Glucose Test Strip and Blood Glucose Meter are working properly.

Note


- For accurate results on both blood glucose measurements and quality control tests, use SFCS01 Glucose Control Solution only.
- Results of quality control tests will not be stored in the memory.


1 Insert test strip into test strip slot.
Meter displays previous set Code Number.

2 Check whether the code number on the vial match with the code number displayed.
If not, see “Setting Test Strip Code Number” section to adjust it.



Quality Control of the System

- 3** When  symbol flashes, press **S** button to activate Quality Control Mode.

With  symbol on, your meter is ready to perform quality control test.

- 4** Shake the vial of Glucose Control Solution well before use. Squeeze the vial but discard the first droplet.

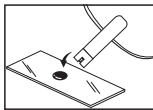
Squeeze the second droplet to your clean fingertip or on a clean object such as a transparency.

Move the collection zone of test strip close to Glucose Control Solution droplet.

Collection zone automatically drink the droplet in. When full, your meter beeps and counts down for 5 seconds.

- 5** When results match with acceptable range printed on the Test Strip vial, your System is working properly.

Note: Check the Test Strip vial for acceptable ranges for High and Low Levels. Refer to Glucose Control Solution instruction before use.



Note

To avoid contamination, do not apply the control solution to the test strip directly from the bottle.



Understanding Your Test Results

When results match with acceptable range printed on the Test Strip vial, your System is working properly, and your test results are reliable.

If your results do not match with the acceptable range, please check the following:

- Are the control solutions or test strips within the expiration date?
- Has the control solution been contaminated?
- Is the code number correct?
- Did you follow the test procedures correctly?

Please repeat the test. If results still do not match, contact Smartfuture Pte Ltd or the authorized distributor.

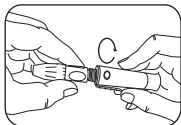
Perform the Blood Glucose Test

Perform the Blood Glucose Test

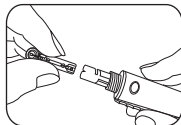
CAUTION

- To avoid infection, do not share the lancing device and lancets with other people. The lancet is for single use only. Never reuse them.
- Be sure to save the protective cap of the lancet for later use. Remember to put it back on to the lancet before disposal.
- When **LOt** or **HI t** appears, ambient temperature falls out of acceptable range (10 °C ~ 40 °C / 50 °F ~ 104 °F). Leave your meter in a room around 10 °C ~ 40 °C (50 °F ~ 104 °F) for 15 minutes, then repeat the test. Do not artificially heat or cool the meter.
- The strip is for single use only. Dispose of Test Strip that has blood or control solution on it.

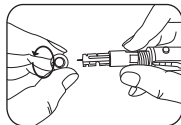
- 1** Twist the cap of the lancing device to remove it.



- 2** Insert the lancet firmly into the circular lancet holder of lancing device until it is fully seated.

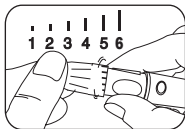


- 3** Twist off the protective cap of the lancet and save it for later use.

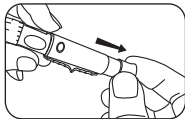


Perform the Blood Glucose Test

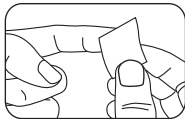
- 4** Replace and screw the cap snugly.
Choose the depth of lancing.
Select 1~2 for soft or thin skin, 3-4 for average skin, 5-6 for thick or calloused skin.



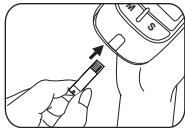
- 5** Pull the cocking handle out until it clicks.



- 6** Wash hands first, or use an alcohol swab to wipe your finger clean. Wait until your hands are totally dry.



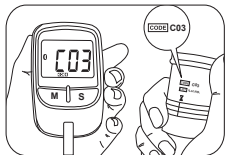
- 7** Insert the test strip into the test strip slot as the figure on the right.
Meter displays previous set Code Number.



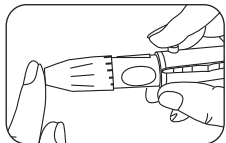
NOTE: The meter does not response to any other ways of inserting.

Perform the Blood Glucose Test

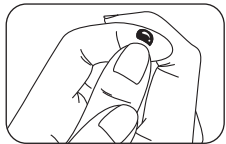
- 8** Check whether the code number on the vial matches with the code number displayed. If not, see “Setting Test Strip Code Number” section for details.





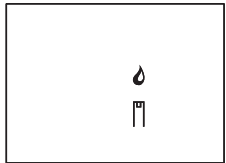
- 9** Hold the lancing device firmly against the side of your finger tip.
Let go of the Release Button to take a sample.



- 10** To avoid body fluid contamination, wipe off the first drop of blood with a clean gauze or cotton. Gently squeeze the fingertip to obtain the second drop of blood for testing.

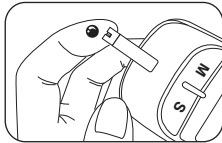


- 11** With   symbol on, your meter is ready for use.



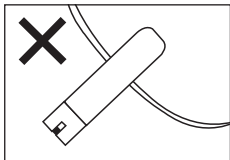
Perform the Blood Glucose Test

- 12** Move the collection zone close to your finger tip. Do not drip your blood sample on the top of the test strip.

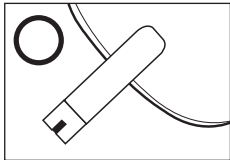


NOTICE

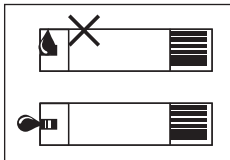
Make sure to apply enough blood on the collection zone of the Test Strip. An unfilled collection zone may lead to false or inaccurate result.



Your Test Strip doesn't have enough blood sample on it. An unfilled collection zone may lead to false or inaccurate result.



A totally filled collection zone.



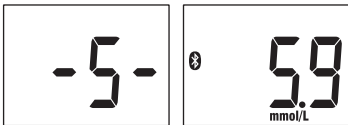
Do not drip your blood sample on the top of the test strip.



Instead, move the test strip close to blood sample, and let collection zone automatically drink the droplet in.

Perform the Blood Glucose Test

- 13** Meter beeps when blood is detected, and user can then move your finger away.



- 14** Glucose test result displays in 5 seconds.




- 15** With Meal Comment Function on, test result appears with flashing  or  symbol, depending on the setting.



Note

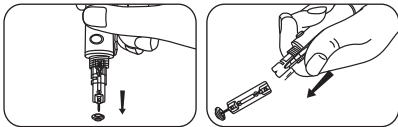
User can replace  or  Symbol by pressing **S** button, depending on their physical status.

Pre-meal: Test result appears with Symbol  .

Post-meal: Our default setting. Test result appears with Symbol  .

- 16** Remove the test strip to shut the meter off.
Without any operation for 2 minutes, the meter automatically shuts off too.

- 17** After testing, push the lancet ejector forward to remove the lancet. Be sure to put protective cap of the lancet back before disposal.



- 18** Dispose of medical waste per local regulations.

Perform the Blood Glucose Test

LO and HI Readings

MEDCHECK SMBG System can display results from 1.1 to 33.3 mmol/L (20 to 600 mg/ dL).

1. If your test result is lower than 1.1 mmol/L (20 mg/dL), “LO” appears on LCD screen. The result will be stored in the memory but does not count in the average of last 7 days.

Important information!

↘ LO reading with symptoms!

If you have “LO” test results and also symptoms such as weakness, sweating, nervousness, headache or confusion, follow your doctor’s recommendation to treat hypoglycemia.

↘ LO reading without symptoms!

If you have “LO” test results but no symptoms of low blood glucose, please consult your doctor or call your local distributor for help.

2. If your test result is higher than 33.3 mmol/L (600 mg/dL), “HI” appears on LCD screen. The result will be stored in the memory but does not count in the average of last 7 days.

Important information!

↘ HI reading with symptoms!

If you have “HI” test results and also symptoms such as fatigue, thirst, excess urination, or blurry vision, follow your doctor’s recommendation to treat hyperglycemia.

↘ HI reading without symptoms!



If you have “HI” test results but no symptoms of high blood glucose, please consult your doctor or call your local distributor for help.

Perform the Blood Glucose Test

Memory Recall

SFBG01 Blood Glucose Meter can store up to 120 test results with date and time automatically in its memory. When full, the meter will replace the oldest with the latest result automatically. User can also view their average results of last 7 days with ease.

Note

1. To ensure accurate average values, please re-set date and time before use.
2. Average result of last 7 days is calculated from test results performed during the last 7 days.
3. “LO” and “HI” results do not count in the average of last 7 days.
4. With Meal Comment Function on, Pre-meal  or Post-meal  Symbol will also appear under Memory Mode.

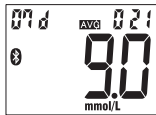
Follow steps below to recall memory sets:

- 1** Under Standby Mode, press **M** button to enter Memory Mode.

Note

To quit Memory Mode, press **S** button and return to Standby Mode.

- 2** Average result of last 7 days appears first.



Understanding Average Results

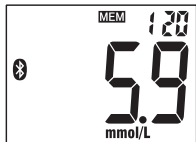
Take average of last 7 days for example. While displaying average results, “07d” on the upper left represents the result displaying now are from last 7 days. “021” on the upper right represents how many results are performed during last 7 days.

Perform the Blood Glucose Test

- 3** Press **M** button again, the meter start displaying each test result with memory sequence number, and then corresponding date and time.

Keep pressing **M** button, user can scroll thorough all memory sets from the latest to the oldest.

When done, press **S** button to return to Standby Mode.



To delete all records

- 1** Press **S** and **M** buttons for 3 seconds, the screen will show "dA" for confirmation.



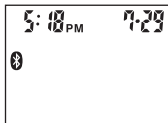
- 2** Press **S** button again for 3 seconds to delete all records.


Or if you want to check out the delete function, press **M** button to return to Standby Mode.

NOTE: Once deleted, your data can NOT be restored.

Bluetooth Data Transmission

- 1** To activate Bluetooth function, please make sure you have MedCheck App downloaded in your Android or iOS Smartphone. For all features of MedCheck App and step-by-step guide, please visit www.getmedcheck.com.



- 2** Once connected and receive the data request from APP, the screen flashes “” symbol, and the paired Bluetooth device automatically starts downloading measured results from glucose meter, if they are in an acceptable range (no more than 5 meters).



- 3** SFBG01 can only pair up with one Bluetooth device at a time. To transmit measuring results to other Bluetooth device, please redo steps 1~2.

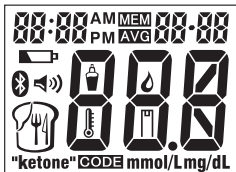
NOTE: Please do not turn on more than one Bluetooth transmission function of glucose meters.

Maintain Your Meter

1 Display Check

When the meter is off, press any key to switch it on. The display should look exactly like the figure in the right.

If not, contact Smartfuture Pte Ltd.



2 Cleaning

- Wipe the outside of the meter with a soft cloth that has been slightly dampened with water. Watch out for ingress of water while wiping Test Strip Slot.
- Wipe the outside of the lancing device with a soft cloth dampened with alcohol or soap with water.

3 Storage and Handling

- Keep your meter free from dust, and extreme weather.
- Always handle your meter with care.
- Run a quality control test after strong impact of the meter.
- If the device is not to be used for a long time, please remove the batteries from the device (leaking of battery acid can cause the device to malfunction).

Important Information

- Watch out for ingress of water while wiping Test Strip Slot.
- Do not dip your meter in water, or any other liquid.
- Do not implement the maintenance procedures for equipment during measurement.

System Specifications

Limitations

- 1** Do NOT use serum or plasma sample.
- 2** Do NOT use neonate blood sample.
- 3** Blood Glucose Test Strips are for single use only.
Never reuse a test strip that had either blood or control solution applied to it.
- 4** Use MEDCHECK SMBG System at room temperature between 10 °C ~ 40 °C (50 °F ~ 104 °F). Out of this range, the device just won't work.
- 5** Extreme humidity may affect the results. A relative humidity greater than 80% may cause incorrect results.
- 6** Hematocrit:
 - ↘ Hematocrit ranging from 30 % ~ 55 % has no significant impact on test results.
 - ↘ Other ranges:
 - Hematocrit > 55 %: may lead to incorrect low test results.
 - Hematocrit < 30 %: may lead to incorrect high test results.
 - ↘ To know exact hematocrit level of yours, consult healthcare professional for help.

System Specifications

Product Specifications



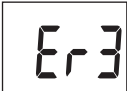


Model Name	SFBG01 Blood Glucose Meter	
Range	1.1 ~ 33.3 mmol/L (20 ~ 600 mg/dL)	
Response Time	5 seconds	
Memory Sets	120 Memory Sets	
Operating Condition	Temperature	10 °C ~ 40 °C (50 °F ~ 104 °F)
	Humidity	R.H. ≤ 80 %
	Altitude	≤ 3000 m
	Atmospheric pressure	700 ~ 1060 hPa
Storage Condition	Meter	-10 °C ~ 50 °C (14 °F ~ 122 °F) R.H. ≤ 90 %
	Strip	2 °C ~ 40 °C (35.6 °F ~ 104 °F) R.H. ≤ 90 %
Transportation Condition	Meter	-10 °C ~ 50 °C (14 °F ~ 122 °F) R.H. ≤ 90 %
	Package with Lancets or Strips	2 °C ~ 40 °C (35.6 °F ~ 104 °F) R.H. ≤ 90 %
Blood Volume	> 1 µL	
Sample Type	Capillary Whole Blood	
Hematocrit (Hct)	30 % ~ 55 %	
Power Supply	2 AAA "LR03" (1.5V) Alkaline Batteries	
Battery Life	At least 1000 measurements (under Bluetooth Function OFF status)	
Product Life	Meter: 8000 times/5 Years (4 times per day)	
	Strip: shelf life : 18 months ;shelf life after opening: 90 days(below 40°C)	
	Control: shelf life : 18 months ;shelf life after opening: 90 days (below 40°C)	
LCD Dimension	40 x 29 mm	
Device Dimension	88 (L) x 58 (W) x 23.2 (H) mm	
Weight	48.2 g (Without Batteries)	
Principles	Electrochemical Biosensor Technology	

System Specifications

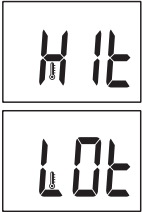
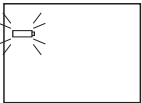


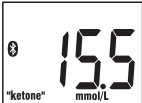
Bluetooth Specifications

RF Type	Bluetooth 4.0 BLE
RF Modulation	GFSK
Effective Radiated Power	0 dBm
Data Throughput	0.2Mbps
Expected Delay (Latency Range) in Wireless (RF) Communication	The latency time is less than 0.3ms second from sender to receiver.
Integrity	Channel Quality-Driven Data Rate (CQDDR) technology increases the effective data rate and integrity in noisy environments.
Security	AES-128 and application layer user defined
Operating Distance	Class 2 (no more than 5 meters)
RF Frequency / Need for Spectrum Management	2402 - 2480 MHz (allowing for guard bands)
Maximum Limitation	Unlimited
Maximum Permitted Power	2.5 mW
Proximity of Other In-band Transmitters Used in Vicinity	Up to 40 bands (2 MHz spacing; centered from 2402 to 2480 MHz)
Wireless Communication Profile	GATT – Client and Server
Wireless Coexistence	Support for 802.11 Coexistence
System requirement of the Bluetooth device	Android 4.4 or above, iOS 8.0 or above

Display Messages and Troubleshooting

Display Messages	What It Means	Troubleshooting
	"Er 1" appears when the strip is wet.	<ul style="list-style-type: none">• Perform the test in a room around 10 °C ~ 40 °C, and R.H. \leq 80 %.• Repeat the test with a new Test Strip.• See "Perform the Blood Glucose Test" Section.
	"Er 2" appears when the meter fails to access memory.	If "Er 2" appears constantly, please contact SMARTFUTURE PTE LTD or local distributor during business hours.
	"Er 3" appears when your Test Strip does not have enough blood sample on it.	<ul style="list-style-type: none">• Repeat the test with a new Test Strip.• See "Perform the Blood Glucose Test" Section.
 	"HI" and "LO" appear when your results fall out of measuring range. The result will be stored in the memory but does not count in the average of last 7 days.	<ul style="list-style-type: none">• Repeat the test with a new Test Strip.• See "Perform the Blood Glucose Test" Section.

Display Messages and Troubleshooting

Display Messages	What It Means	Troubleshooting
	<p>When “HI t” or “LO t” appears, ambient temperature falls out of acceptable range (10 °C ~ 40 °C / 50 °F ~ 104 °F). The meter is unable to measure.</p>	<ul style="list-style-type: none"> • Do not artificially heat or cool the meter. • Leave your meter in a room around 10 °C ~ 40 °C (50 °F ~ 104 °F) for 15 minutes, then repeat the test. • See "Perform the Blood Glucose Test" Section.
	<p>When  appears, your batteries are about to run out. When  appears, the batteries are too weak to work.</p>	<ul style="list-style-type: none"> • Repeat the test after battery replacement. • See "Get Ready for Testing " section.
	<p>Ketone Symbol appears when result is equal to or higher than 13.3 mmol/L (240 mg/dL). For users who have Type 1 diabetes, there is a possibility of ketoacidosis or ketone accumulation.</p>	<p>Promptly consult your physician or medical professional.</p>

Device Information

MEDCHECK SMBG System

SFBG01 Blood Glucose Meter

SFTS02 10pcs Blood Glucose Test Strips

SFCS01 Glucose Control Solution (Sold Separately)

SFTS01 25pcs Blood Glucose Test Strips (Sold Separately)

CE 0537



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support@oursmartfuture.com
www.oursmartfuture.com
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Device Information

Lancing Device

Meets the requirement of MDD 93/42/EEC



SteriLance Medical (Suzhou) Inc.

No. 68, Litanghe Road, Xiangcheng, Suzhou, China 215131

Tel: +86-512-65799308

Lancets

Meets the requirement of MDD 93/42/EEC



SteriLance Medical (Suzhou) Inc.

No. 68, Litanghe Road, Xiangcheng, Suzhou, China 215131

Tel: +86-512-65799308

Device Information

Warranty

Smartfuture Pte Ltd warrants that your SFBG01 Blood Glucose Meter will be free from defects in materials and workmanship for two year from the date of purchase. If during this two-year period, the meter does not work properly because of a defect in materials or workmanship, SMARTFUTURE PTE LTD will repair the meter or replace it with a new SFBG01 Blood Glucose 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 days after shipment of a replacement meter, whichever period is longer.

Note

This warranty applies only to the original purchaser of the meter.



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www.getmedcheck.com