SEJOY®

Lipid Panel Monitoring System

Owner's Booklet

BF-101b

Please read the following items carefully before using this product

1. This product uses three AAA batteries. Please do not use other types of batteries to avoid damage to the Lipid Panel Meter.
2. Do not put the Lipid Panel Meter into any liquid or place it in a place where it may fall into liquid.
3. The Lipid Panel Monitoring System is only used to quantify the concentration of total cholesterol (TC), high-density lipoprotein cholesterol (HDL-C) or triglyceride (TG) in human whole blood (venous and capillary blood), plasma and serum, and to calculate the values of TC/HDL-C and low-density lipoprotein cholesterol (LDL-C). Please do not use the system for other purposes.
4. The Lipid Panel Meter manufactured by our company is compatible with our Lipid Panel Test Cartridges, so please do not mix it with other companies' products.
5. Do not continue to use the system if you have confirmed that it is not working properly or has been damaged to avoid getting incorrect results.
6. Do not use this product close to or near heat surfaces to avoid damage to the Lipid Panel Monitoring System.
7. Do not use in direct sunlight.
8. Do not drop any objects into the slots or test holes of the lipid panel.
9. Do not use this product in an environment with organic solvent droplets or environment lack of oxygen.
10. Capillary whole blood and venous whole blood samples collection and preparation should be obtained by healthcare professionals.
11. The meter and lancing device should never be used by more than one person. Due to the risk of infection from blood borne pathogens.
12. It is important to keep the meter and lancing device clean and disinfected. more than 50 times a week consecutively to remove visible dirt or other materials for safe handling and/or prior to disinfection.

Contents

The BF-101b Lipid Panel Monitoring System applies the principle of light reflection to detect the concentration of total cholesterol (TC), high-density lipoprotein cholesterol (HDL-C) and triglyceride (TG) in human whole blood (venous and capillary blood), plasma and serum, and to calculate the values of TC/HDL-C and low-density lipoprotein cholesterol (LDL-C).

Properly use the calibration chip matched to the Lipid Panel Test Cartridges.

- The BF-101b Lipid Panel Meter is only applicable to the BFC-101 Lipid Panel Test Cartridges produced by our company (the matched Lipid Panel Test Cartridges should be purchased separately).
- The specimens include whole blood (capillary blood or venous blood), plasma and serum; if anticoagulant is used, please use sodium heparin anticoagulant or EDTA anticoagulant.
- For in vitro diagnostic use only.

1. Product Name

Lipid Panel Meter

2. Type and Specification

BF-101b

3. Main Structure

Lipid Panel Monitoring System consists of Lipid Panel Meter and Lipid Panel Test Cartridges. The Lipid Panel Meter consists of LCD display, buttons, circuit board, USB Type-C Com, housing, battery box cover, and test card holder. Optional accessories or need to be purchased separately matched products for use: quality control test cartridge, Lancet, Lancing Device,Type C cable ,BFC-101 Lipid Panel Test Cartridges, pipette and tips, or disposable micro blood collector.

4. Scope of Application/Intended Use

The Lipid Panel Meter are used with Lipid Panel Test Cartridges as a Lipid Panel Monitoring System to quantitatively measure the concentration of Total Cholesterol (TC), High Density Lipoprotein Cholesterol (HDL-C) and Triglyceride (TG) with capillary whole blood sample from fingertip, or venous whole blood, serum or plasma. It is also used to calculate Low Density Lipoprotein Cholesterol (LDL-C) value and ratio of Total Cholesterol and High Density Lipoprotein Cholesterol (HDL-C) as TC/HDL-C.

5. Contraindications

None

6. Principle

After applying quantitative sample into the middle of sample well of test cartridge, the sample immediately spreads and be absorbed into the membrane inside the cartridge and dissolves the reagents. Meter monitors the change of color of membrane, records the intensity of reflectance when reactions trend to balance, and then transfer it to the intensity of absorption which is directly proportional to the concentration of TC, HDL-C and TG.

7. Packing List

a. Lipid panel Meter
b. Carrying Case
c. Owner's Booklet

The following optional:

d. Usb data cable
e. Sterile Lancet
f. Lancing Device
g .Lipid Panel Test Cartridges
h. BFC-101 Lipid Panel Test Cartridges
i. Calibration Chip(It's contained in h)


a


b

c


d


e

f


g

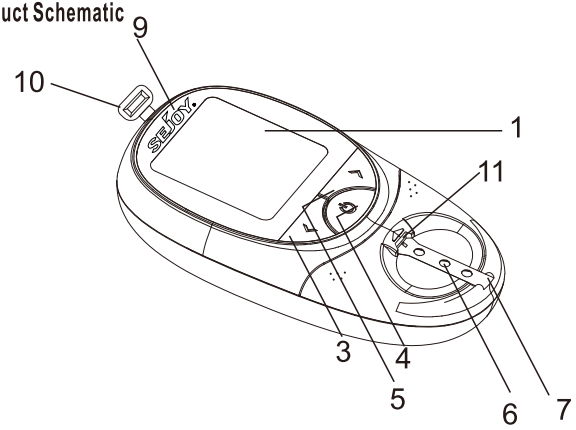

h


i

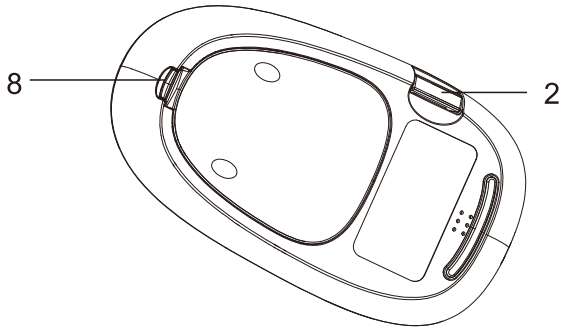
Manufacturer of Lancing Device and Sterile Lancet	
	Shandong Lianfa Medical Plastic Products Co., Ltd.No.1 Shuangshan Sanjian Road, 250200, Zhangqiu City, Jinan, Shandong, PEOPLE'S REPUBLIC OF CHINA
EC REP	Shanghai International Holding Corp. GmbH (Europe) Eiffestrasse 80, 20537 Hamburg Germany
	CE for lancing device; CE0123 for sterile lancet
	Beijing Ruicheng Medical Supplies Co., Ltd. No. 558 Zhangzikou, Yangsong Town, Huairou District, 101400 Beijing, China
EC REP	Lotus NL B.V. Koningin Julianaplein 10, le Verd,2595AA, The Hague, Netherlands.
	CE for lancing device; CE0197 for sterile lancet

⚠ Warning: Keep instruments and test supplies away from children, to avoid unnecessary hazards.

8. Product Schematic



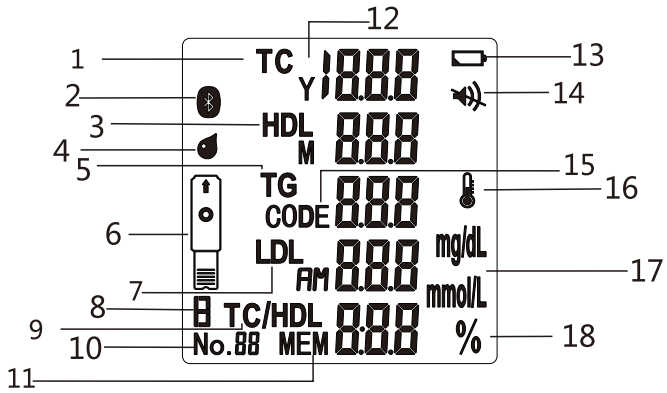
Front



Reverse

No. and name	Usage
1 LCD display	For displaying measurement results and various information
2 Code chip	For the storage of information about test Cartridges
3 Left button	Function button with different functions for different interfaces
4 Confirm/Power On/ Power Off Button	Function button with different functions for different interfaces
5 Right button	Function button with different functions for different interfaces
6 Test hole	Test Cartridges through the test hole
7 Test strip holder	For fixing test Cartridges
8 Battery cover	For fixing the battery
9 SEJOY	Brand logo
10 Type C Com	Matched with standard Type C cable, can be used for communication with a computer for measurement history management
11 Contact switch	Test Cartridges position detection; standby state; insert test Cartridges to power on

9. Lipid panel meter display introduction



No. and name	Usage
1 TC	Total cholesterol content
2 Bluetooth symbol	When this symbol is displayed, it means that the Bluetooth function is turned on.
3 HDL-C	High-density lipoprotein cholesterol content
4 Loading symbol	When this symbol is flashing, it indicates that the sample can be added
5 TG	Triglyceride content
6 Test Cartridges symbol	When this symbol is flashing, it indicates that a Lipid Panel Test Cartridges can be inserted
7 LDL-C	Low-density lipoprotein cholesterol content
8 Sample type	The letter "b" means the sample belongs to whole blood, and the letter "P" means plasma or serum.
9 TC/HDL-C	Total cholesterol/HDL-C cholesterol
10 ID number	Specify ID number
11 Storage information symbol	When this symbol is displayed, the information displayed on this interface is the stored measurement result

No. and name	Usage
12 Date and time	"Y" means year, "M" means month, "D" means day, and "AM"/"PM" means morning/afternoon.
13 Low Battery Reminder	When this symbol is displayed, it means that the battery needs to be replaced in time.
14 Sound Icon	Appears when the sound is turned on.
15 Code	Indicates the code number of the Lipid Panel Test Cartridges.
16Temperature prompt	Operation temperature (15℃~35℃) prompt
17 Measurement unit	Indicates the unit of measurement results, including mg/dL and mmol/L
18 Percentage	Ratio of Total Cholesterol and High Density Lipoprotein Cholesterol

10. Properties

Content	Description
Measurement range	TC: 2.59-10.35mmol/L (100-400mg/dL)
	HDL-C: 0.39-2.59mmol/L (15-100mg/dL)
	TG: 0.51-7.34mmol/L(45-650mg/dL)
Specimen type	Whole blood (capillary blood and venous blood), plasma and serum
Loading volume	35uL
Display check	Lipid panel meter displays all LCD strokes after power on
Sound alert	When the sound is turned on, there is a sound alert when the lipid panel meter is powered on or off
Low voltage	Screen and sound alert appear for low battery level of the lipid panel meter.
Unit of measure	mg/dL or mmol/L
Bluetooth function	When the bluetooth function is turned on, data can be transmitted to related mobile devices
Memory function	1,000 sets of data

10. Properties

Content	Description
Auto power off function	Approx 3 minutes after the last operation
Measuring time	≤180S
Power supply	4.5VDC , 300mA (1.5V x 3 Alkaline batteries)
Battery life	100 hours or 1,000 tests
Instrument size	126mm*71mm*25mm
Display screen size	41.6mm*43.0mm
Weight	Approx. 113.6g (excluding battery)
Operation mode	Continuous operation
Operation environment	15-35℃; humidity ≤80%
Storage environment	0-50℃; humidity ≤90%
Expected service life	5 years
Type C Com	Matched with Type C cable; the rated input voltage is 5V DC (no external power supply)

Embedded software release version number is V1.

11. Precautions, Warnings and Tips

⚠ Warning

1. This Lipid Panel Monitoring System can only be used for the determination of whole blood (venous blood and capillary blood), plasma and serum.
2. Avoid strong electromagnetic interference during measurement, as this may affect the accuracy.
3. If the display shows an error signal, please refer to [Tips and Troubleshooting] to check the lipid panel meter first; if the problem cannot be resolved, contact the manufacturer or supplier.
4. The blood collection needle is a disposable product. The used blood collection needle and test cartridges should be disposed of properly before being discarded (for example, put into a special trash bin) to avoid cross infection.
5.Please use the lipid panel meter according to the method specified in the booklet to avoid damage to the instrument.
6. The used batteries should be recycled as required.
7. Please check the production batch number before using the test cartridges. If the test cartridges is expired or its structure is incomplete or there are obvious stains in the test area, please do not use it again.
8. After taking out the test cartridges, please cover the cylinder to avoid moisture and contamination of the test cartridges, which may affect the test results.
9. Do not touch the loading part of the test cartridges with your hands to prevent contamination of the area.
10. Before testing, check whether the calibration chip number corresponds to the number displayed on the lipid panel meter and the number on the test cartridges cylinder.
11. The test cartridges must be kept in the original cylinder. Please use the test cartridges immediately after taking it out and cover the cylinder tightly and immediately.
12. Waste disposal: Lipid Panel Test Cartridges (dry chemical method), blood collection needle should be properly disposed of according to medical waste disposal regulations. The batteries and main unit should be properly disposed of

in accordance with the national environmental protection laws and regulations.
13. Blood samples are a source of biohazard and potentially infectious material. Use protective gloves if blood samples are likely to come into contact with the skin.
14. Replace the batteries with new ones immediately after use. Remove the batteries when not in use for a long time (more than 3 months). Do not mix up the battery positive and negative.
15. Use the standard Type C interface data cable for the lipid panel meter of our company as the online special data cable. Please do not use other interface data cable for the connection to the computer to avoid damage to the lipid panel meter.
16.Type-C Com: Use Special USB data cable to connect computer(meet the requirement of IEC 60950 and IEC 62368),input rated voltage is 5V DC (no external power supply).

12. Environmental Conditions for Normal Use of the System

indoor use.

- Altitude :Up to 10,000 feet (3,048meters) above sea level.
- Operating temperature: 15℃~35℃(59℉~ 95℉).
- Operating relative humidity: ≤80%RH.
- Over voltage category : Not applicable.
- Pollution degree of the intended environment:2.

1. Power On and Power Off

After three AAA/1.5V batteries are put into the battery compartment according to the "Instrument Maintenance and Troubleshooting", the instrument automatically powers on and shows the standby screen (Fig. 2). For setup, please refer to the Instrument Setup Section in this chapter. After the system setup is completed, the instrument will automatically power off. Press the "Confirm/Power On/ Power Off" button on the panel, then the power on screen appears (Fig. 1), displaying all the symbols that can be displayed for about 2s. After 2s, the standby screen is displayed (Fig. 2). In the standby screen, press the "Confirm/Power On/ Power Off" button to turn off the lipid panel meter.

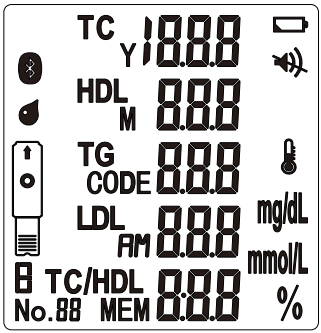


Fig. 1

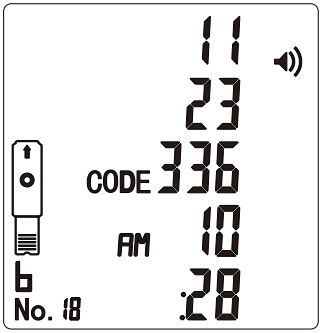
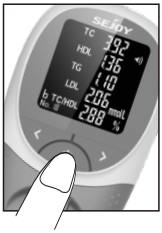
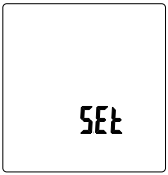


Fig. 2

2. System Setup

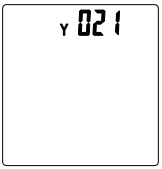
When you want to set the meter, with the meter turned off,
press and hold for 2 seconds to enter **Meter Setup** mode shown below.



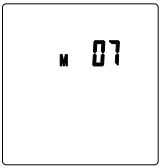


Press ◄or► to display several setup sub modes:

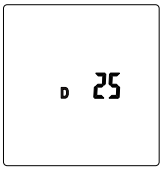
Set	System setup, including date, time, units and sound.
CHE	Optical Check mode. Use Quality control cartridges.
PC	Export measurement history
dEL	Memory Delete mode.
Elt	Exit setup modes and save changes when ⏻ is pressed. The meter will automatically turn off.



①Year setting
The year "Y" appears on the display. Please press "Left button " or "Right button" to set the year. Then press the "Confirm/Power On/Power Off" button to save the setting and enter the month setting.



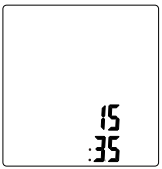
② Month setting
The month "M" appears on the display. Please press "Left button" or "Right button" to set the month. Then press the "Confirm/ Power On/Power Off" button to save the setting and enter the date setting.



③ Date setting
The date "D" appears on the display. Please press "Left button" or "Right button" to set the date. Then press the "Confirm/Power On/Power Off" button to save the setting and enter the time system setting.

OR

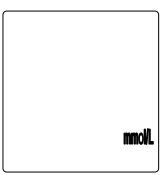
④ Time system setting
To select the time format AM/PM (12-hour system) or 24-hour system, press "Left button" or "Right button". Then press the "Confirm/Power On/Power Off" button to save the setting and enter the hour/minute setting.



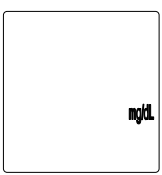
⑤ Hour/minute setting

The hour/minute information appears in the upper right corner of the display. Please press "Left button" or "Right button" to set the hour. Then press the "Confirm/Power On/Power Off" button to save the setting and enter the minute setting. Repeat the above operation to set the minute. Press the "Confirm/Power On/Power Off" button to save the setting and enter the measurement unit setting.

Note: If 12H time system is selected, the lipid panel meter will display AM or PM.

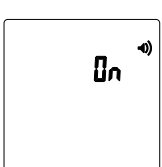


OR

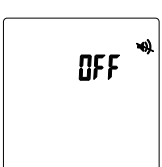


⑥ Measurement unit setting

Lipid panel meter can display the test result in two units: milligram/deciliter (mg/dL) or millimole/liter (mmol/L). Please press "Left button" or "Right button" to select the unit, and press "Confirm/Power On/Power Off" button to save the setting and enter the sound setting.



OR

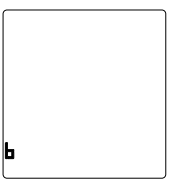


⑦ Sound setting

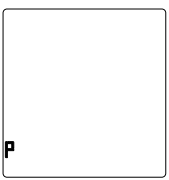
Please press "Left button" or "Right button" to select sound on or off. Press "Confirm/Power On/Power Off" button to save the sound setting information.

OR

⑧ Bluetooth setting
Press "or" to select Bluetooth function on or off.
When the Bluetooth symbol appears on the display, Bluetooth is turned on.
Press ⏻ to save and continue.



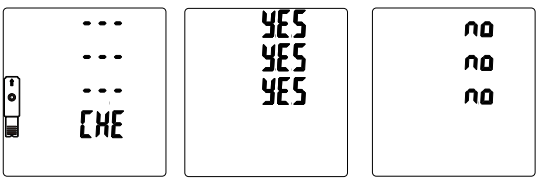
OR



⑨ Sample type setting
Press "p" to select "b" for whole blood (venous and capillary blood), "P" for plasma and serum. The corresponding symbol will appear on the display.
Press ⏻ to save and continue.

3.Optical Check

If quality control cartridges are included, you can use it for optical check. To obtain the accessories, please contact the local dealer or manufacturer.



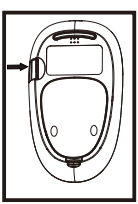
with the meter turned off, press and hold for 2 seconds to enter **Meter Setup** mode. Press ◄ or ► until CHE is display . Press ⏻ to enter optical check mode , insert the quality control cartridges , and then press ⏻ to start the optical system inspection. If “YES”is displayed, the Meter is normal ; If “NO”is displayed , the Meter is abnormal.

⚠ Note : if the optical system is abnormal ,please check the quality control cartridges for contamination ,bending or damage .If the above phenomenon is found ,please check again with a new quality control cartridges .If there are still problem in the reinspection, please contact the local dealer or manufacturer。

1. Insert the Calibration Chip

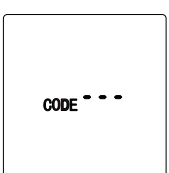
① Check the code on the test strip vial before inserting the test strip

Code numbers are used to calibrate your meter with the test cartridges you are using



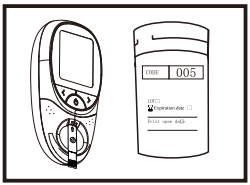
② Put the code chip from strip package into the chip port of meter.

Each strip package contains one chip code. Replaced the existed code chip when you start using a new vial of cartridges.



③ Note: If there's no chip on the meter, the LCD will display

Follow step 2 to install the code chip.

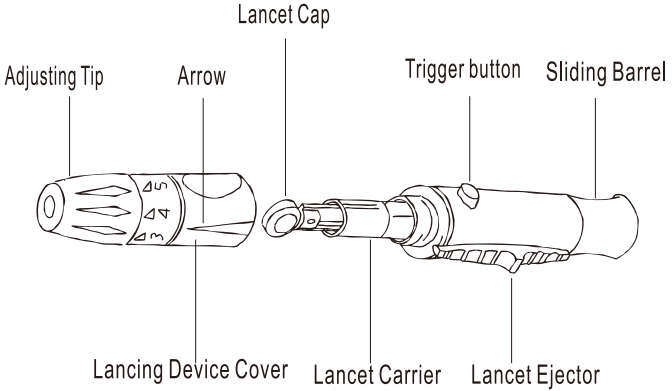


④ When opening a new box of test cartridges, insert the calibration chip carried in the box into the slot. Repeat as above when opening a new one.

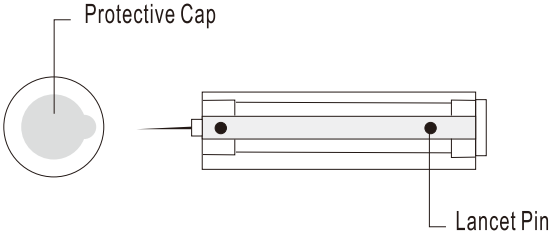
⚠ Note: The calibration chip is small and can be easily lost. Therefore, please insert the calibration chip into the instrument at all times before replacing a new box of test cartridges,. Please replace the calibration chip in shutdown mode.

2. Use of Lancing Device

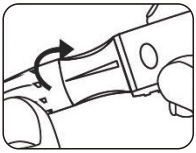
a. Lancing Device



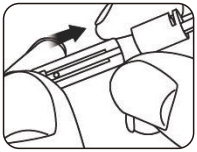
b. Lancet



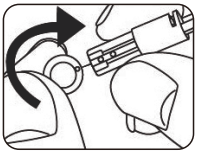
c. Preparing the lancing device



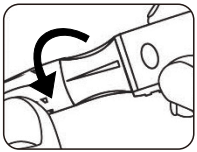
① Twist off the lancing device cover.



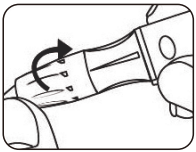
② Insert a new lancet into the lancet carrier firmly.



③ Hold the lancet needle cover and gently twist it until it separates from the lancet.

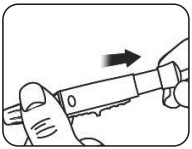


④ Replace the lancing device cap. Avoid touching the lancet pin.



⑤ Adjust the depth setting
The adjustable tip offers 5 levels of skin penetration. Twist the lancing device cap until the desired setting appears.

Note: A shallower puncture may be less painful. Try a shallower setting first and increase the depth until you find the one deep enough to get a sufficient blood drop for testing.



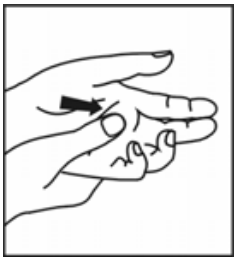
⑥ Cock the lancing device

Slide the ejection spring controller back until it clicks. The lancing device is ready to use.

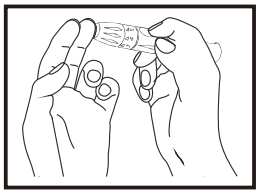
If it does not click, that's okay. It may have been cocked when you inserted the lancet.

⚠ Note: Do not pull the pen bolt backward too hard to prevent it from falling off. When collecting blood, the pen should be vertical and firmly against the skin. The pen tip should not be tilted; otherwise the blood collection effect will be affected. Blood lancet are for one-time use, do not reuse to avoid cross infection. Do not discard the needle carelessly after use, and keep it away from children to prevent danger.

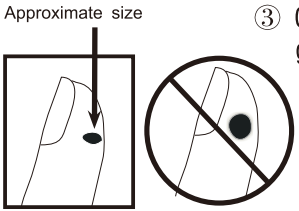
d. Fingertip Blood Sampling



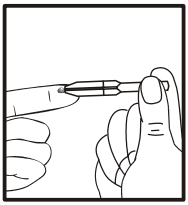
① Prior to testing, make sure the hand is warm and relaxed before collecting the capillary blood specimen. Use warm water to increase blood flow if necessary. Massage the hand from the wrist up to the fingertip a few times to encourage blood flow.
Clean the testing site with an alcohol swab and then dry the testing site thoroughly.



② Place the lancing device firmly against the side of your fingertip. Press the Release Button.

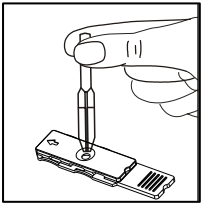


③ Gently squeeze your finger until you get a round drop of blood. Discard the first drop.
If the blood smears or runs, Do not use that sample. Wipe the area and gently squeeze another drop of blood or puncture a new site.



④ For use with the Capillary Transfer Tube, hold the tube horizontally and touch the tip of the Capillary Transfer Tube to the blood sample. Capillary action will automatically draw the sample to the fill line and stop.

Note: The Capillary Transfer Tube will fill automatically. Never squeeze the Capillary Transfer Tube while sampling.



⑤Align the tip of the Capillary Transfer Tube with the Specimen Application Area of the strip to apply the second drop of blood (approximately 35 μL).

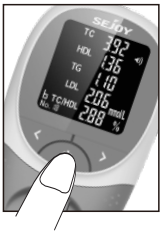
Note: Do not to touch the strip with the Capillary Transfer Tube or pipette. The capillary blood should be tested immediately after being collected. Use of a Capillary Transfer Tube or pipette is recommended for accurate results.

⚠ Note: To obtain more accurate results, capillary blood collection tube or pipette is recommended, and blood samples should be tested immediately after collection.

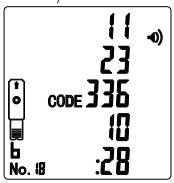
e. Venous blood collection

1. Recommended blood collection site: upper arm.
2. If the specimen contains anticoagulant, only sodium heparin anticoagulant or EDTA anticoagulant can be applied for the monitoring, please avoid using specimens containing other anticoagulants.
3. Venous blood containing anticoagulant should be used within 8 hours after collection.
4. The sample in the container should be well mixed before the test.
5. Hemolysis should be avoided during venous whole blood monitoring. The loading volume should be 35uL. If the sample is too much or too little, please replace the test strip with a new one to avoid the error caused by the second loading.

3. Loading Testing

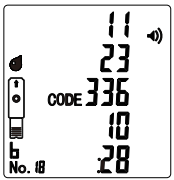


①Press the "Confirm/Power On/Power Off" button to turn on the instrument and display all LCD symbols. Observe the LCD during startup to ensure that all segments and display elements are on and that there are no missing icons or elements. The symbol  alerts the low battery level and the battery should be replaced promptly.



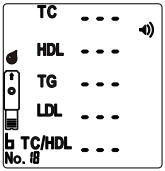
②After the instrument starts, the user interface is displayed. After ensuring that the calibration chip is inserted, check whether the digital code displayed on the LCD is consistent with the one on top of the test card memory bank.

③Insert the test cartridges into the instrument in the direction of the arrow when the corresponding pattern on the LCD is flashing, and make sure the card is inserted into place.

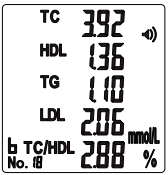


④ After the test cartridge is inserted, the blood drop symbol flashes on the LCD, and the blood drop test can be performed at this time by using the prepared sample for the operation.

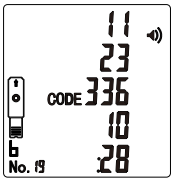
⑤ Put about 35uL of blood into the test area of the test cartridges



⑥ The instrument will display the test results within 180s and calculate the LDL-C and TC/HDL-C values at the same time.



⑦ Remove the test cartridges, the instrument will automatically return to the standby screen. "No." will be automatically added by 1 for the next test.



⑧ Under the standby screen, press "Left button" to enter the ID setting, and the ID number behind "No." will start flashing. Press "Left button" or "Right button" again, and set the required measurement ID number (in the range of 0-99). After the setting is complete, press "Confirm/Power On", then return to the standby interface.

Instrument:

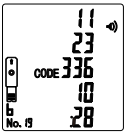
1. Delete Data

Data and Storage Press "Left button" or "Right button" in the system setting interface until "dEL" is displayed. Press the "Confirm/Power On/Power Off" button in the middle of the "dEL" interface, then all data will be cleared, and "dEL" will be displayed again. This product can record a maximum of 1000 sets of data, and the previous data will be automatically overwritten when the storage is full.

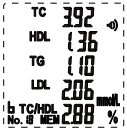
2. Data Transmission

In the standby mode, use the USB cable to connect to the computer. Press "Left button" or "Right button" in the system setting interface until "PC" is displayed. In this interface, press the middle "Confirm/Power On/Power Off" button to transfer data. If "yes" is displayed, the transmission is normal, if "no" is displayed, the transmission is abnormal.

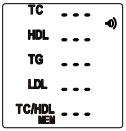
3. Data Query



① From the Initial Screen, press "Right button" to enter the data query interface.



② Press "Left button" or "Right button" again to browse the measured data one by one. Short press "Confirm/Power On/ Power Off" button, return to the standby interface.



③ If there is no data storage, the screen will display ▬▬▬ and have the corresponding voice prompt.

Data Management Software:

1. PC Configuration

A computer with USB Type-C Com with WPS (2016 and above) and Microsoft (2010 and above) operating system Win7, Win8 or Win10 installed. Use the matching USB cable to connect the instrument to the computer and install the USB function driver.

2. Software Login

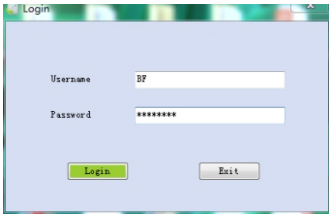
Double click "BF data Software.exe", enter the user name "BF" and password "Password" is shown in the figure below.

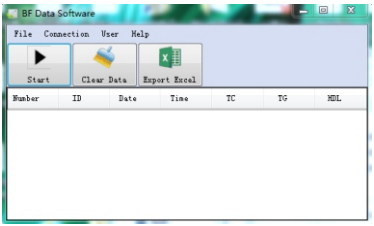
3. Software Setup

Click the "Connection" to enter the "Port Configuration" interface, select the corresponding port number of the cable. Baud rate: "9600"; data bits: "8"; parity bits: "None"; stop bits: "1"; flow control: "None".

4. Data Reception and Export

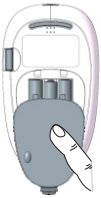
Click the "Start" in the interface to enter the reception mode; click the "Clear Data" to clear the received data; click the "Export Excel" to export the received data as an EXCEL sheet;



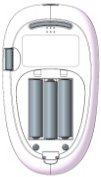


1.Replacing the battery

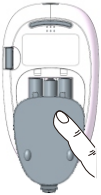
If your battery runs low, the battery symbol "▭" appears on every display screen until you change the battery. An ***E-4*** error message will appear if the battery is too low to perform any more tests. The meter will not function until the battery is replaced.



① With the meter off, turn the meter over to locate the battery cover. Press the battery cover tab on the top and lift the cover to open it.



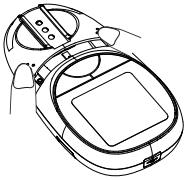
② Remove and discard the old batteries. Insert three AAA batteries on top of the plastic tape. Make sure the two outside batteries are aligned with the plus (+) side down, towards the bottom of the meter, with the middle battery aligned with the plus (+) side facing up, towards the top of the meter.



③Put the battery cover back into position until it locks into place.

Note: Batteries need to be properly disposed of. Contact your local government for disposal or recycling practices in your area.

2. Daily Maintenance

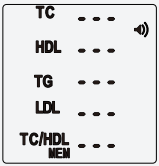


① Remove the Test cartridges Holder by pressing in middle of the Test cartridges Holder and sliding it out from the meter. Wipe it with a damp cloth or a mild detergent and dry it with a dry, soft cloth. Slide the Test cartridges Holder back into the meter by laying it flat on the meter. Firmly press down on the center of the Test cartridges Holder with your thumb and push it in until it clicks into place.
② The instrument housing and LCD screen can be gently wiped with a clean, soft dry cloth or paper. If necessary, use a soft wet cloth with water to clean the surface and dry it with a clean soft cloth.
③ When disinfecting the instrument, use a soft cloth dipped in a little medical alcohol to gently wipe the surface.

⚠ Note: Do not use organic solvents such as gasoline or paint thinner, which can cause damage to the instrument. Wipe the sensor area with a cotton swab. Do not scratch the transparent window covering the sensor.

3. Tips and Troubleshooting

Prompt	Meaning	Solution
CODE - - -	No code chip or the chip is not well installed.	Insert the code chip to the meter correctly.
 E-1	The test cartridge movement during test or machine malfunction	Avoid shaking or removing the test cartridge during the test. If the problem cannot be solved, please contact the manufacturer.
E-2	Specimen was applied to the test Cartridge too soon.	Repeat the test and apply specimen after blood drop symbol appears.
 E-3	sed or dirty test cartridge	Ensure the test Cartridges are with the expiration date printed on the canister label.
E-4	Battery level is too low	Replace the batteries, then repeat the test.
E-5	Abnormal light path detection at power-on (e.g., damaged window, stains, foreign objects blocking the test hole at power-on)	Wipe the surface with a clean soft cloth or paper, and turn on the machine again when there are no foreign objects above the hole.

	No test record	Check only when there is a measurement record
Lo	Test result is higher than the measurement range (lower limit of test cartridges detection capability)	Mix the sample in advance or select a proper sample
HI	Test result is higher than the measurement range (upper limit of test cartridges detection capability)	Mix the sample in advance or select a proper sample
 E-6	Expired test cartridges	Set the date and time of the current instrument correctly; Use a valid test cartridges for the test.
 E-7	Insufficient loading volume	Please add sample according to the recommended amount specified in the Owner's Booklet of the lipid test cartridges; Do not add samples twice; Do not add samples too slowly.
HIt 	The measurement temperature is too high.	The recommended test temperature should be not higher than 35°C.
Lot 	The measurement temperature is too low.	The recommended test temperature should be not less than 15°C.
E-8	Timeout	Mix the sample in advance or select an appropriate sample

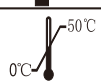
1. Transportation and Storage

During transportation, the lipid panels meter should be properly stacked up according to the markings on the packing box, and should be protected from heavy pressure, collision, severe vibration and direct rain and snow. The packaged lipid panels should be stored in a dry place of a clean and well-ventilated room with the temperature of 0℃-50℃(32℉-122℉), the relative humidity below 90%, the atmospheric pressure limit of 70Kpa-106Kpa, and free from corrosive gases and strong mechanical vibration.

2. Warranty Period

Within two years from the date of leaving the factory, the manufacturer shall provide free maintenance or replacement of qualified products in case of quality problems caused by non-human causes, provided that the packaged lipid panel meter complies with the storage, transportation, and service regulations. And the manufacturer shall provide lifetime maintenance.

3. See the Package for Production Date

	Consult instructions for use
	In vitro diagnostic medical devices
	DC
	Batch code
	Protection from heat and radiation sources
	Avoid light source
	Storage temperature limitation
	Biological risks
	Keep dry
	Storage humidity limitation
	Transportation and storage atmospheric pressure limit is 70kpa-106kpa
	Warning

CE 0123 CE 0197	The product conforms to the requirements of the CE mark in vitro diagnostic medical devices
	This symbol indicates that you should not discard waste electrical or electronic equipment (WEEE) in the trash. For proper disposal, contact your local retailer where product was purchased
EC REP	European Authorized Representative

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Date of Issue: 2021.09

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Hangzhou Sejoy Electronics & Instruments Co., Ltd.
Area C, Building 2, No.365, Wuzhou Road,Yuhang Economic Development Zone,Hangzhou City 311100 Zhejiang China.

CE 0123 The product is in compliance with the requirements of IVD 98/79/EEC,"0123" is the identification number of notify body

EC REP Shanghai International Holding Corp. GmbH (Europe)
Eiffestrasse 80, 20537 Hamburg, Germany