

SelexOn™

Instructions for Use

Immuno Diagnosis Measuring system for professional use



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Intended Use

SelexOn is an *in-vitro* diagnostic device that measures the concentration of biomarkers within blood. It is used for diagnosis.

This device uses an anticoagulant-treated (EDTA-treated) venous whole blood sample and should be operated by experts in the laboratory or hospital.

<IMPORTANT>

Please read this manual carefully prior to the initial use of the product.

Product Overview

SelexOn meter is easy to use. After injecting the collected venous blood sample into the sensor on the test strip, the strip changes its color depending on the concentration of the analyte. This reaction is then quantitatively measured to calculate the results.

The meter should be used only with the provided adapter. If a different adapter is used, incorrect results may be obtained.

Product Principle

The test contains two monoclonal antibodies specific to analyte. The antibodies form a sandwich complex with the analyte in the blood. Following removal of erythrocytes from the sample, plasma passes through the detection zone in which the gold –labelled analyte sandwich complexes and the positive signal is displayed as a reddish line (the test line). Excess gold-labelled antibodies accumulate along the control line, signaling that the test was valid. The intensity of the test line increases in proportion to the analyte concentration. The optical system of the SelexOn instrument detects the two lines and measures the intensity of the test line. The integrated software converts the signal intensity to a quantitative result and showed it in the display.

Background

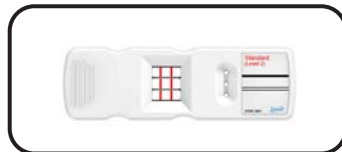
Lateral Flow Immunoassay

The lateral flow immunoassay is also known as a sandwich assay. In this quantitative measurement method, by using an antigen, a gold nanoparticle-labelled detection antibody is combined with an antibody specific to disease markers. The antigen concentration within blood appears as the thickness of the red band on the test line. Through this correlation, the antigen concentration can be measured by using the standard curve.

Product Components

Components

Meter	Components
SelexOn Meter	1 Meter 1 User's Manual 1 External power adapter 1 Fan filter 1 Standard strip



Product Components

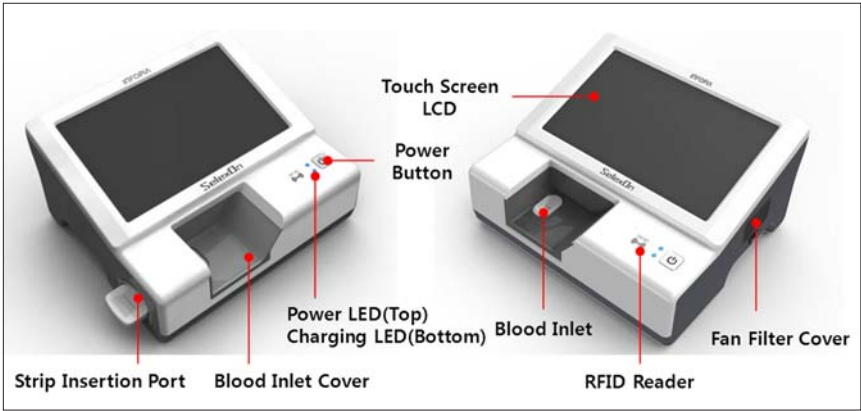
Optional

Optional Components	Quantity
SelexOn test strip	1 Box
SelexOn printer	1 ea.
Barcode scanner	1 ea.
SelexOn battery	1 ea.
Data cable	1 ea.

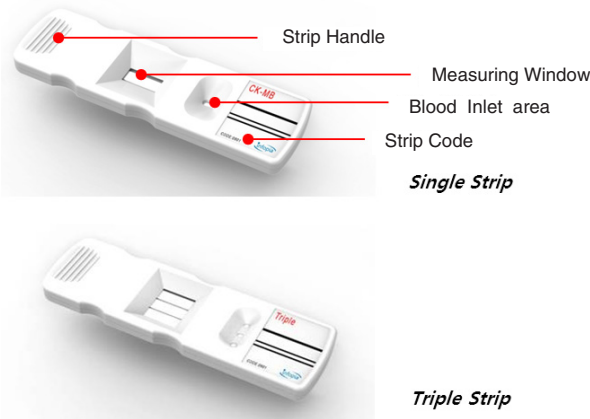
You can purchase the optional components from your nearest dealer.
 For details, please contact the store or visit our web site
www.infopia21.com.

Names of Parts

SelexOn Meter

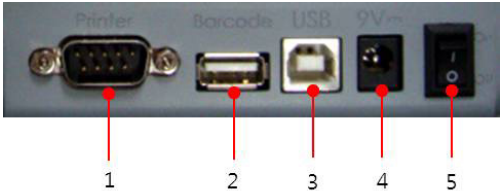


SelexOn Test Strip



Names of Parts

Port Panel

Name	
	1. Printer port
	2. Barcode scanner port
	3. USB port
	4. Power adapter port
	5. Power switch

<CAUTION!>

The USB port is exclusively used by the manufacturer. If this port is used for other than the intended use, the product may have a problem.

Caution

Precautions

1. Please read this manual carefully prior to use.
2. Prior to the initial use, please set the current year, month and day in 'SetUp' mode.
If the date is incorrect, an error related to exceeding the expiration date of a strip may occur.
3. In order to prevent any infection or contamination, please wear gloves.
4. The meter must be used on a flat, stable surface and should not be moved during its operation.
5. If the RFID information on the sensor container and the code information of the sensor do not match, an error will occur. Please replace the strip with the same code information on both sensor container and sensor.
6. Please routinely run QC (Quality Control) mode.
7. Wipe off any contaminants such as blood spots or dust on the blood inlet prior to use.
8. Since a strong impact may cause the device to fail, avoid external shock.
9. Use the meter at a stable temperature range (18 - 32°C).

Storage After Use and Maintenance

1. Do not arbitrarily disassemble or alter the device.
2. Store the device in a dry place.
3. Avoid dust and high humidity when storing the device.
4. Store the device in a stable, level location without vibration or shock.
5. Do not store near chemical storage or a place that generates gas.
6. Avoid direct sunlight.
7. Clean the meter with a soft cloth or tissue only if there are any contaminants such as blood spots or grease on the device after use.

Power Supply

Meter Power Supply

1. Check that the "Power Switch" is Off.
2. Plug the power plug into the wall outlet.

3. Connect the "External Power Adapter" to the "Power Adapter Port" on the back of the SelexOn meter.



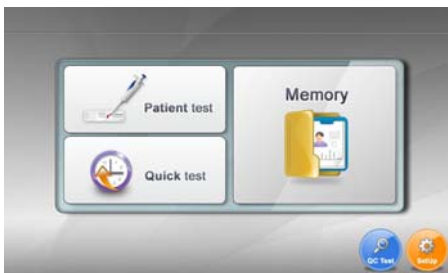
4. Flip the "Power Switch" 'ON'.



5. Briefly press the "Power Button" on top of the meter.



6. After the system initialization, the Main Menu appears.



Main Menu

After the system initialization, the Main Menu appears on the meter LCD. Icons for each mode appear on the LCD.

Patient Test

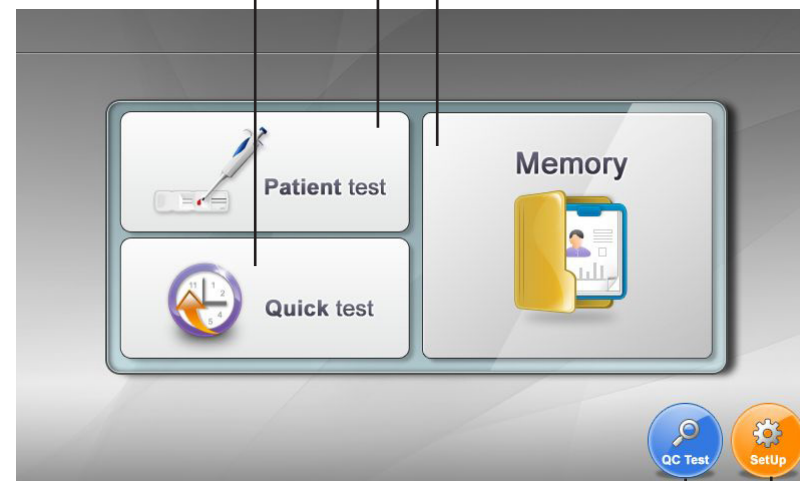
- Runs the basic measurement mode.

Memory

- Runs the memory mode.

Quick Test

- Runs the quick measurement mode.



QC Test

- Runs the QC Test mode.

SetUp

- Runs the SetUp mode.

Code Registration

RFID Code Registration

The RFID must be registered prior to use when performing a test with a new strip.

The RFID code needs to be registered once prior to use of a new strip box.

Step1

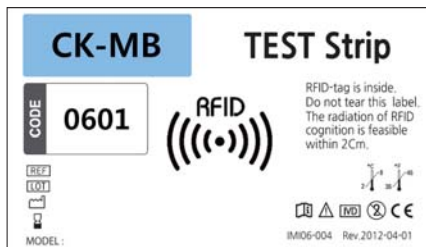
In 'SetUp' mode, press the 'RFID' icon in order to run the RFID communications.

Place the RFID-tag on the test strip box to the RFID symbol on the meter

← Return to the previous state
🏠 Return to the main menu

Step2

Place the RFID label of the strip box onto the "RFID Reader" on top of the meter.



Code Registration

Step 3

Hold the label until the RFID information appears.

When the RFID code registration succeeds, the screen below appears. Confirm if the "Marker", "Code" and "Exp. Date" information on the RFID label of the strip box match with the RFID information displayed on the LCD.

If they do not match, rerun the code registration. If the problem persists, contact the nearest dealer.

RFID Code Recognition!

CODE : 0601
MARKER : CK-MB
EXP. DATE : 2013. 07

← Return to the previous state
🏠 Return to the main menu

<NOTE>

Please refer to 'Troubleshooting' if an error message appears.

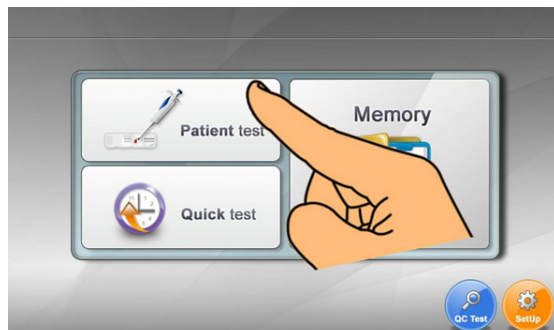
<CAUTION!>

Ensure that the RFID code is registered when using a new strip box.

Patient Test (Basic Measurement)

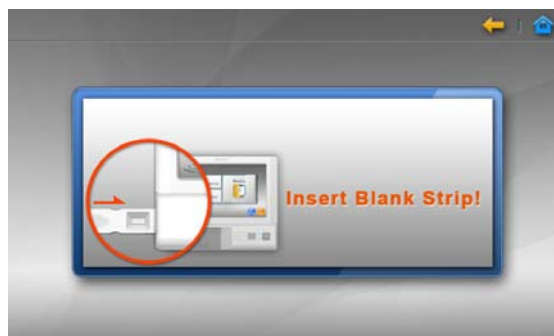
Step 1

Press '**Patient Test**' on the Main Menu.



Step 2

A screen to insert a strip appears.



Patient Test (Basic Measurement)

Step 3

Take one strip out of the strip storage box.
The test strip must be used immediately after opening the pouch.

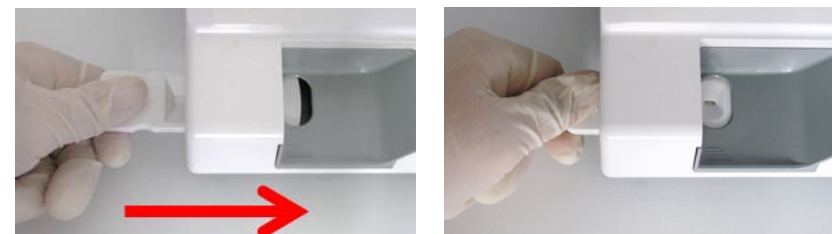


<CAUTION!>

Avoid any foreign substances contaminating the strip code label, blood inlet and measuring window.
Contaminants may cause an error in the results.

Step 4

Hold the strip handle and insert the strip into the strip insertion port on the left side of the meter.



Patient Test (Basic Measurement)

Step 5

The strip marker and code are displayed on the LCD.
Confirm if the marker and code information on the RFID label of the strip box match with those on the screen.

When the strip is recognized, the meter automatically runs 'System check'.

Pat: PATIENT
Op: OPERATOR



System check...

Marker: **CK-MB**
Code: **0601**

Step 6

When the 'System check' is complete, the meter automatically runs 'Heating'.

Pat: PATIENT
Op: OPERATOR



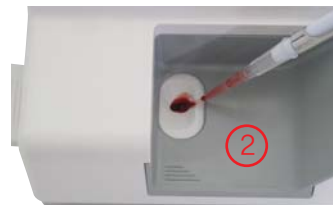
**Heating...
complete : 90 %**

Marker: **CK-MB**
Code: **0601**

Patient Test (Basic Measurement)

Step 7

When the LCD instructs to inject blood, inject 100 ul of whole blood into the blood inlet by using a pipette. Press 'OK'. (①->②->③)



Step 8

The measurement runs automatically and the measurement time is displayed on the LCD.

Pat: PATIENT
Op: OPERATOR



**Processing Data...
Remaining Time : 10 min.**

Marker: **CK-MB**
Code: **0601**

Patient Test (Basic Measurement)

Step 9

When the measurement is complete, the results appear on the LCD.
Remove the strip.

The results are automatically saved. (Please refer to 'Device Settings' for changing the settings.)

Press '**Delete**' to delete the results.

Press '**Print**' to print the results on the 'SelexOn Printer'.

Press  or  to return to the Main Menu.



Single Strip



Triple Strip

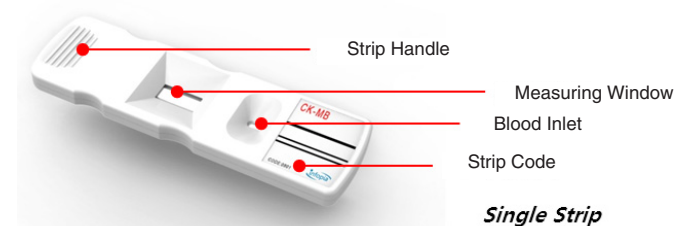
<NOTE>

If the results for CK-MB are displayed with an inequality sign such as '> 40 ng/mL' or '< 3 ng/mL', the results are out of the measurement range. Please refer to the strip instruction for the measurement range and Cutoff concentration.

Quick Test (Quick Measurement)

Step 1

Take one test strip out of the strip storage box.
The test strip must be used immediately after opening the pouch.



<CAUTION!>

Avoid any foreign substances contaminating the strip code label, blood inlet and measuring window.
Contaminants may cause an error in the results.

Step 2

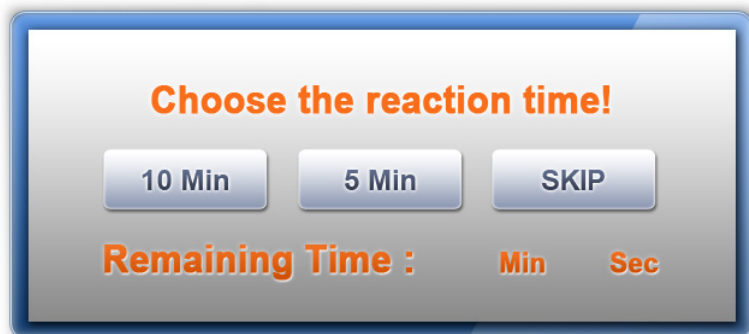
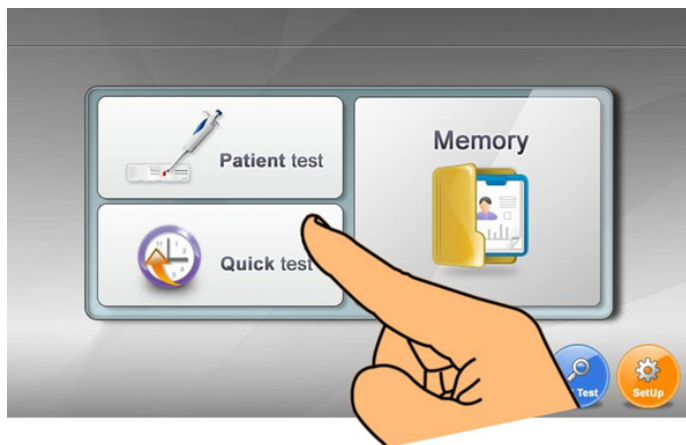
Inject 100 ul of whole blood into the blood inlet on the strip by using a pipette.



Quick Test (Quick Measurement)

Step 3

Press '**Quick Test**' to display the timer selection screen.

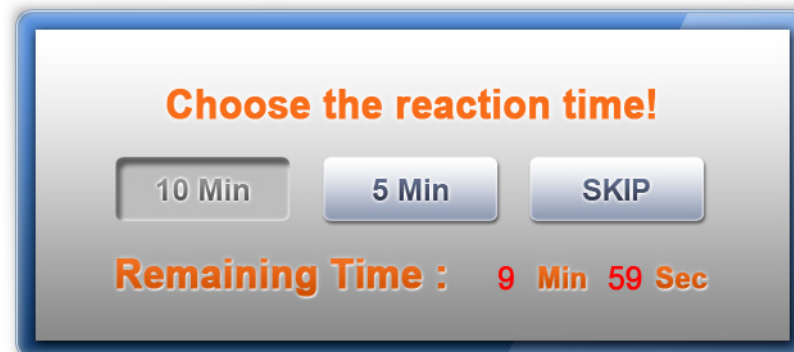


Quick Test (Quick Measurement)

Icon	Description
10 Min	Select if the strip reaction time is 10 minutes
5 Min	Select if the strip reaction time is 5 minutes
SKIP	Select to proceed to the next step without setting the timer

<NOTE>

Select an appropriate timer after confirming the reaction time on the strip manual.



If the timer is selected, the remaining time is displayed in the 'Remaining Time' field. When the time is up, the next step is automatically executed. If 'SKIP' is pressed, the timer stops and the next step is executed.

<CAUTION!>

You must proceed to the next step after the reaction time specified in the strip manual is passed by using the timer.

Quick Test (Quick Measurement)

Step 4

A screen to insert a strip appears.

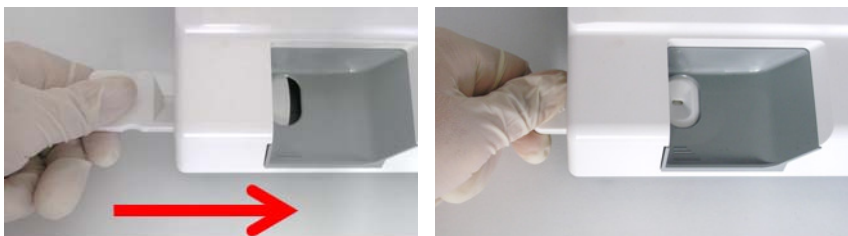
Pat: **PATIENT**
Op: **OPERATOR**



Step 5

Hold the strip handle and insert the strip into the strip insertion port on the left side of the meter.

Push the strip to the end.



Quick Test (Quick Measurement)

Step 6

The strip marker and code are displayed on the LCD.

Confirm if the marker and code information on the RFID label of the strip box match with those on the screen.

The measurement will automatically start.

Pat: **PATIENT**
Op: **OPERATOR**



Step 7

When the measurement is complete, the results appear on the LCD.

Remove the strip.

The results are automatically saved. (Please refer to 'Device Settings' for changing the settings.)

Press 'Delete' to delete the results.

Press 'Print' to print the results on the 'SelexOn Printer'.

Press 'Continue' to return to Step 4 and to measure another strip.

Press  or  to return to the Main Menu.

Quick Test (Quick Measurement)

Pat: PATIENT
Op: OPERATOR

RESULT
6.02 ng/mL

Marker: CK-MB
Code: 0601

Continue Print Delete

Single Strip

Pat: PATIENT
Op: OPERATOR

RESULT

CK-MB : 6.05 ng/mL
Myoglobin : 90.02 ng/mL
TnI : 0.41 ng/mL

CODE : 3201

Continue Print Delete

Triple Strip

<NOTE>

If the results for CK-MB are displayed with an inequality sign such as '> 40 ng/mL' or '< 3 ng/mL', the results are out of the measurement range. Please refer to the strip instruction for the measurement range and Cutoff concentration.

Memory

Press 'Memory' on the Main Menu and press 'Patient' in order to view the result list.



The user can view and manage the results.
Up to 2000 measurements are saved.
The latest results appear at the top of the list.
By using the ▲/▼ icons, the previous or next result can be viewed.

Operator	Pat. ID	Date	Marker	Result	
✓ OPERATOR	PATIENT	2011 . 10 . 20 10 : 30	CK-MB	6.02 ng/mL [P]	▲
✓ OPERATOR	PATIENT	2011 . 10 . 20 10 : 30	CK-MB	6.25 ng/mL [Q]	▼
✓					
✓					
✓					

All Select Print Del

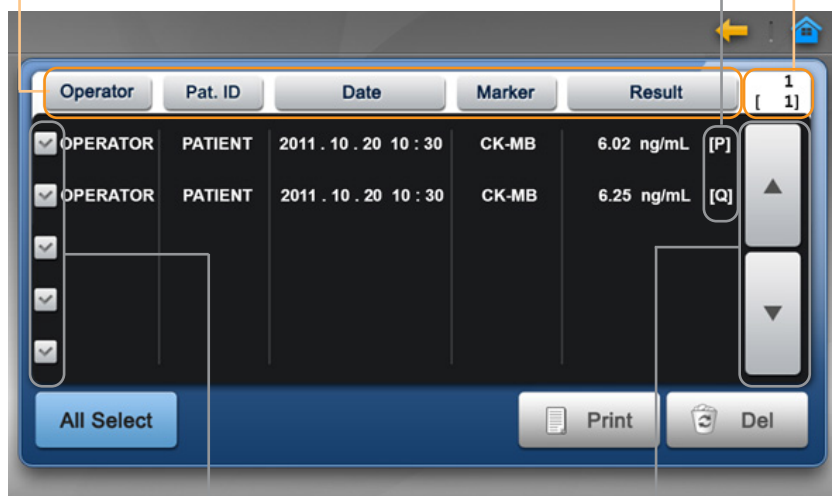
Memory

Press each icon in order to sort the data accordingly.

Displays the current page / all pages.

Displays the test type.

[P]: Patient Test / [Q]: Quick Test



Selects the results.

Moves the page.

Icon	Function
All Select	Selects all results on the current page.
Print	Prints the selected results on the SelexOn Printer.
Del	Deletes the selected results.

Memory

Press 'Memory' on the Main Menu and press 'QC' in order to view the QC result list.



Press 'Control Solution' in order to view the Control Solution Test results.

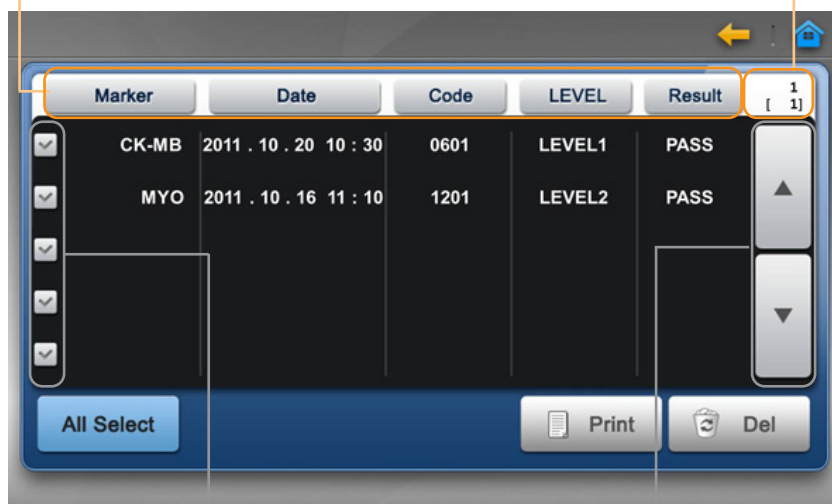


Up to 1000 results can be saved.
The latest results appear at the top of the list.
By using the ▲/▼ icons, the previous or next result can be viewed.

Memory

Press each icon in order to sort the data accordingly.

Displays the current page / all pages.



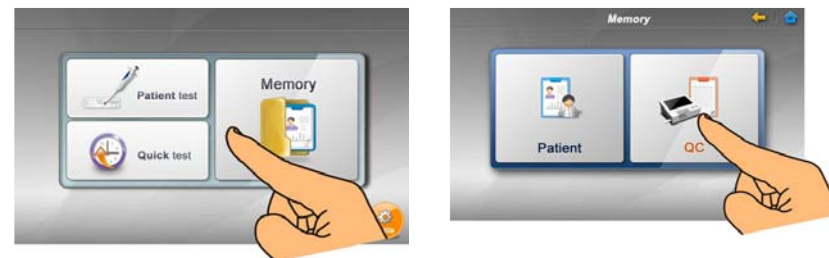
Selects the results.

Moves the page.

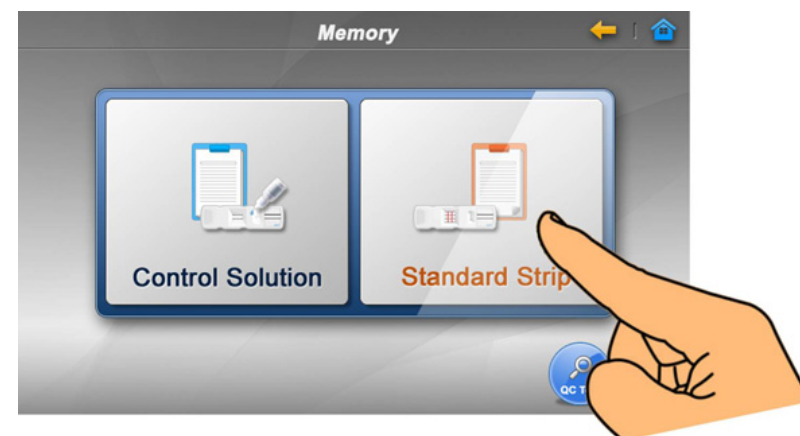
Icon	Function
All Select	Selects all results on the current page.
Print	Prints the selected results on the SelexOn Printer.
Del	Deletes the selected results.

Memory

Press '**Memory**' on the Main Menu and press '**QC**' in order to view the QC result list.



Press '**Standard Strip**' in order to view the **Standard Strip Test** results.



Up to 1000 results can be saved.

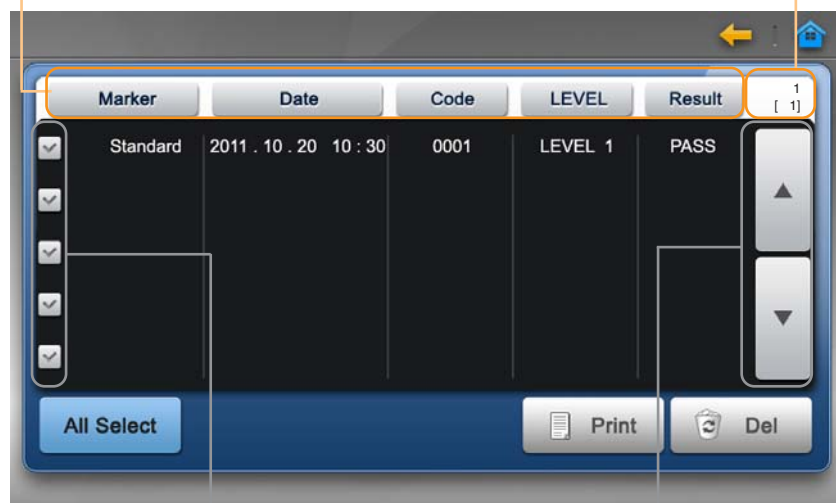
The latest results appear at the top of the list.

By using the ▲/▼ icons, the previous or next result can be viewed.

Memory

Press each icon in order to sort the data accordingly.

Displays the current page / all pages.



Selects the results.

Moves the page.

Icon	Function
All Select	Selects all results on the current page.
Print	Prints the selected results on the SelexOn Printer.
Del	Deletes the selected results.

QC Test

Meter Quality Control Management

Please inspect if the SelexOn meter operates properly by using the standard strip.

Standard Strip

- SelexOn Standard Strip Level 1: Standard1 (LOW)
- SelexOn Standard Strip Level 2: Standard2 (HIGH)

Storage

- Store the standard strip in its container.
- Avoid direct sunlight.
- Store the standard strip between 10 - 35°C (50 - 95°F).
- Store the standard strip between 10% - 85% humidity.
- Since a standard strip damaged from external shock may affect the results, safely store the standard strip.

<CAUTION!>

Do not use an expired standard strip.
Do not use a standard strip damaged due to external shock, scratch, or contamination.

QC Test

When to test the standard strip

- Prior to the sample measurement
- When the results are deemed to be inaccurate
- When the QC alarm appears (Weekly, Monthly)

<NOTE>

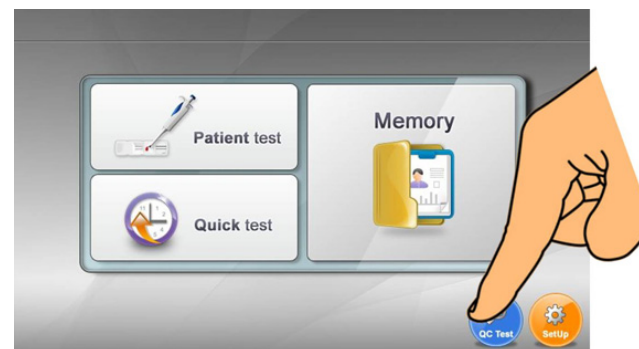
Store the standard strip in its container when it is not in use.
(It may be deformed due to direct sunlight or other sources of light.)

QC Test

How to use the standard strip

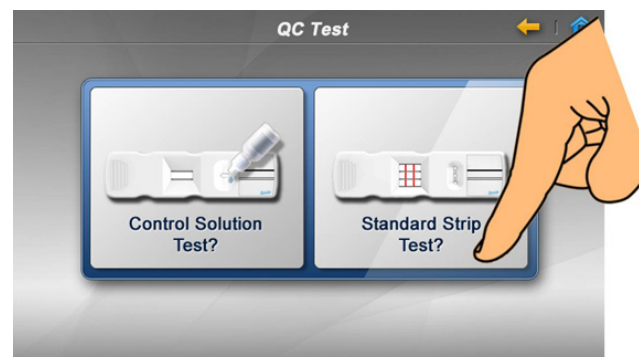
Step 1

Press 'QC Test' on the Main Menu.



Step 2

Press 'Standard Strip Test'.

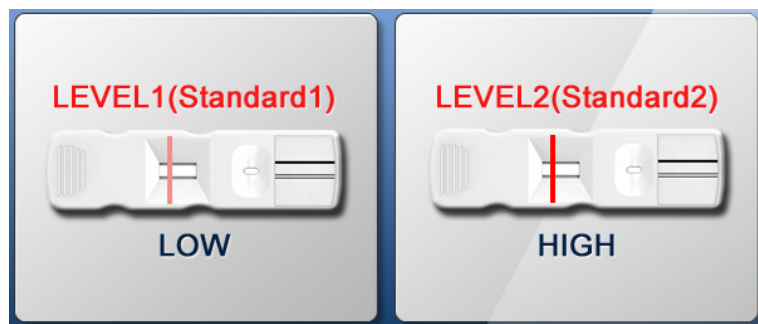


QC Test

Step 3

Select the level of the standard strip.

- LEVEL 1: Standard1 (LOW)
- LEVEL 2: Standard2 (HIGH)



Step 4

Insert the standard strip of the relevant level.

Push the strip to the end.

If an RFID is required, register the RFID tag on the standard strip storage container.

Op: OPERATOR



QC Test

Step 5

The results are displayed.

- **PASS:** indicates that the meter operates properly.
- **FAIL:** indicates that the meter may be used but the results may be inaccurate.

Please rerun the QC test if FAIL appears. If FAIL persists, stop using the meter and contact your local representative for technical support.

Op: OPERATOR

RESULT

AREA 1	:	PASS
AREA 2	:	PASS
AREA 3	:	PASS
Level	:	LEVEL 2
CODE	:	0201

OK

Print

Delete

Step 6

After completing the test, remove the standard strip from the meter. Store the standard strip in its storage container while avoiding direct sunlight.

QC Test

Strip Quality Control Management

SelexOn Control Solution verifies the accuracy of the SelexOn test strip.

Control Solution

The control solution is a solution that verifies the accuracy of the test strip.

For details regarding the control solution, please refer to the manual provided with the control solution.

When to run the control solution test

- Prior to the sample measurement
- When the results are deemed to be inaccurate
- When the QC alarm appears (Weekly, Monthly)

<CAUTION!>

Do not reuse the strip that was used for the control solution test.
Do not use an expired control solution.

<NOTE>

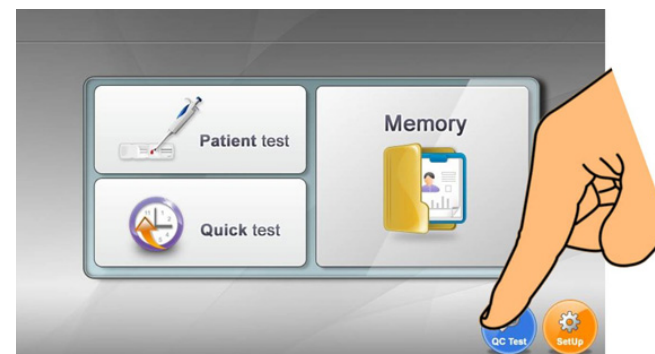
For details regarding the control solution, please refer to the control solution manual.

QC Test

How to use the control solution

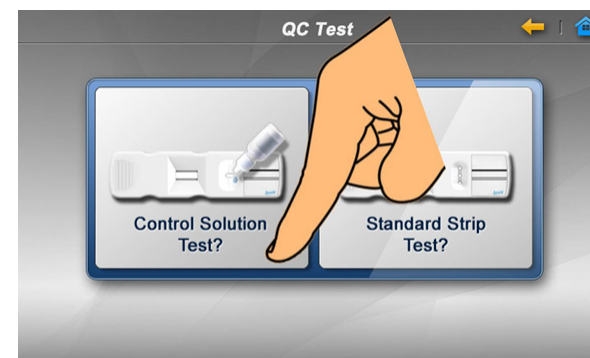
Step 1

Press 'QC Test' on the Main Menu.



Step 2

Press 'Control Solution Test'



QC Test

Step 3

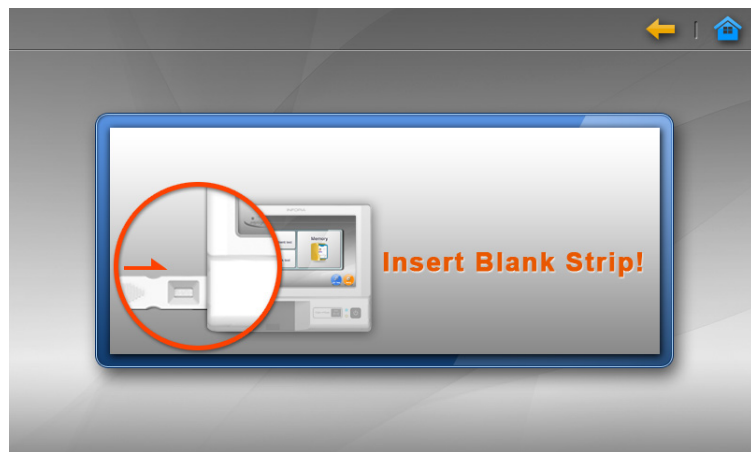
Select a level for the control solution.

- **LEVEL 1:** Low concentration (LOW)
- **LEVEL 2:** High concentration (HIGH)



Step 4

Insert an unused strip that has the same marker as the control solution to be tested. Push the strip to the end. If an RFID is required, register the RFID tag on the strip box.



QC Test

Step 5

The strip marker and code are displayed on the LCD.

Confirm if the marker and code information on the RFID label of the strip box match with those on the screen.

When the strip is recognized, the meter automatically runs '**System check**'.



Step 6

When the '**System check**' is complete, the meter automatically runs '**Heating**'.



QC Test

Step 7

When a screen for injecting the control solution appears on the LCD, inject **100 ul** of the solution into the blood inlet. Press '**OK**'



Step 8

The test runs automatically and the measurement time is displayed on the LCD.

Op: OPERATOR



QC Test

Step 9

When the test is complete, the results are displayed on the LCD. Remove the used strip from the meter.

- **PASS:** indicates that the strip is usable.
- **FAIL:** indicates that the strip is usable but may affect the results.

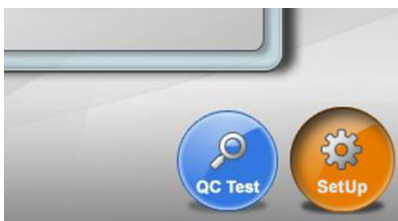
Please rerun the QC test if FAIL appears. If FAIL persists, stop using the strip and contact the nearest dealer for service.

Op: OPERATOR



Device Settings

Entering SetUp Mode



Press '**SetUp**' in Main Menu mode.

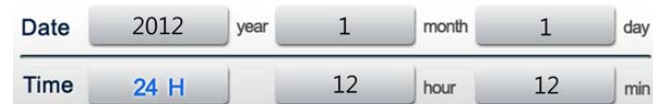
Selecting SetUp Menu



BASIC	Date, Time, LCD Light Period, LCD Brightness
ID Setup	Operator ID or Patient ID Input options
BEEP	Beep on/off, Touch sound effect on/off
DEVICE	Printer on/off, Barcode reader on/off
RFID	Runs RFID communication mode
QC Period	QC test alarm settings

Device Settings

Date & Time



Select year, month, day, hour, and minute and press the ▲/▼ icons in order to set the values.

Press '24 H' to change the time display.

Press  or  in order to not save the changes.

Press 'OK' to save the changes.

<CAUTION!>

Please operate the meter after accurately setting the current year, month and day.

If the date is incorrect, an error related to exceeding the expiration date of a strip may occur.

LCD



Power Saving	Sets the screen saver time (15 minutes, 30 minutes, 1 hour). Touch the LCD in order to turn the screen back on when the screen is off.
LCD Contrast	Sets the LCD brightness (1 - 5).

Press  or  in order to not save the changes.

Press '**OK**' to save the changes.

Device Settings

ID Setup

Patient ID	NONE
Operator ID	NONE

Press the ▲/▼ icons in order to set the ID input option.

NONE: no ID input

Optional: selects the ID input option

Required: ID input required

Press  or  in order to not save the changes.

Press 'OK' to save the changes.

<NOTE>

The measurement order varies depending on either the Operator ID or Patient ID on the ID Setup.

Please refer to "ID Input" for details.

Device Settings

BEEP

BEEP Available	ON
BEEP on Touch	ON
BEEP LEVEL	5

BEEP Available

Set to OFF in order to disable the beep.

Both BEEP on Touch and BEEP LEVEL are deactivated.

BEEP on Touch

Set to OFF in order to disable the touch sound.

BEEP LEVEL

Press the ▲/▼ icons in order to set the volume.

Press  or  in order to not save the changes.

Press 'OK' to save the changes.

Device Settings

DEVICE

Thermal Printer	OFF
Auto Print	
Barcode reader	OFF
Auto Save	ON

Thermal Printer	Sets the printer. Set to OFF in order to disable the Auto Print settings.
Auto Print	Sets the Auto Print feature. If the SelexOn Printer is connected, the results are automatically printed after the test.
Barcode reader	Sets the barcode reader.
Auto Save	Sets the Auto Save feature. The results are automatically saved after the test.

Press  or  in order to not save the changes.
Press 'OK' to save the changes.

Device Settings

RFID

**Place the RFID-tag on the test strip box
to the RFID symbol  on the meter**

 Return to the previous state
 Return to the main menu

Runs the RFID communication mode.
Ensure that the RFID code is registered when using a new strip box.
The RFID code needs to be registered only once.

<CAUTION!>

If the RFID is not recognized within 30 seconds, an error message appears. Please refer to 'Troubleshooting' for details.

Device Settings

QC Period

Control Solution Test

NONE

Standard Strip Test

NONE

Sets the QC Test alarm.

The period is set either weekly or monthly.

Weekly: runs the test alarm 7 days after the setup date.

Monthly: runs the test alarm 30 days after the setup date.

Press  or  in order to not save the changes.

Press '**OK**' to save the changes.

ID Input

ID Input Settings

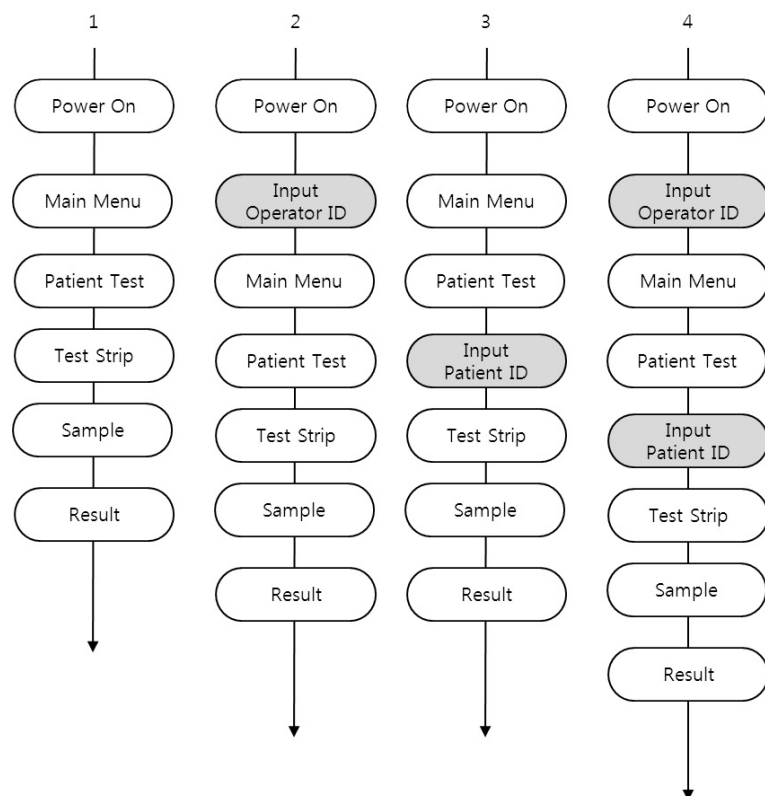
The SelexOn meter can manage the results by ID through entering either the Operator or Patient ID.

Press '**ID Setup**' in '**SetUp**' mode in order to allow either the Operator ID or Patient ID to be entered. The measurement order changes depending on this setup.

	Operator ID	Patient ID
1	NONE	NONE
2	Optional Required	NONE
3	NONE	Optional Required
4	Optional Required	Optional Required

ID Input

The figure below shows the measurement order by setup.



ID Input

Operator ID: Optional or Required setup

Optional: performs a test by pressing Enter without entering an ID.

Required: must enter the ID.

An Operator ID input message appears after booting.



Press 'ENTER' after entering the ID in order to display the Main Menu. The 'OPID' icon to change the Operator ID appears on the right corner of the Main Menu.



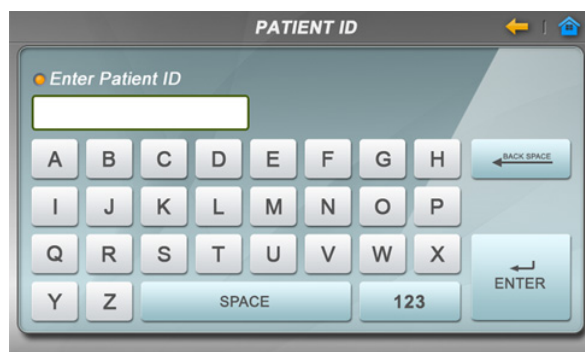
If the Operator ID is set to 'NONE' on the 'ID Setup' menu, the 'OPID' icon disappears.

ID Input

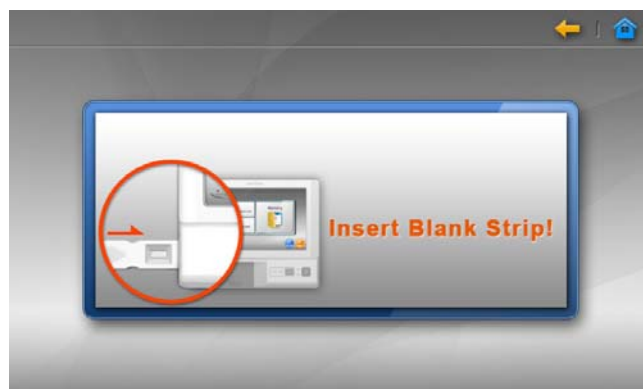
Patient ID: Optional or Required setup

Optional: performs a test by pressing Enter without entering an ID.
Required: must enter the ID.

Press '**Patient Test**' and the Patient ID input message appears.



Press '**ENTER**' after entering the ID in order to go to the next step.



<NOTE>

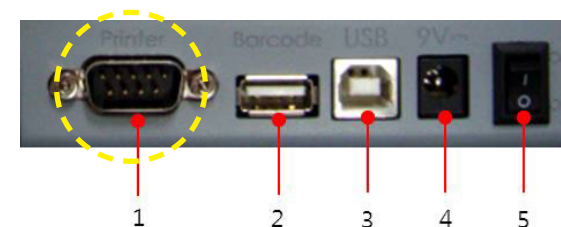
The Patient ID may be entered by using the barcode scanner.
Please refer to '**Barcode Scanner**' for details.

Printer (Optional)

SelexOn printer

Directions for Use

1. While both the meter and the printer are off, connect the printer to the printer port (1) on the rear panel of the meter.



2. Turn on the printer and then turn on the SelexOn meter.
Press 'Device' in 'Setup' mode to turn ON the Thermal Printer.
3. After completing the measurement, press 'Print' in order to print the results.



Printer (Optional)

4. Select the results to print out in Memory mode and press '**Print**' in order to print the selected results.



Barcode Scanner (Optional)

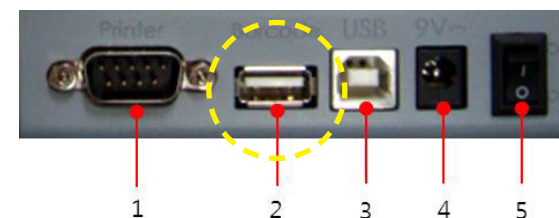
Barcode Scanner

The barcode scanner is used to enter the operator or patient ID.

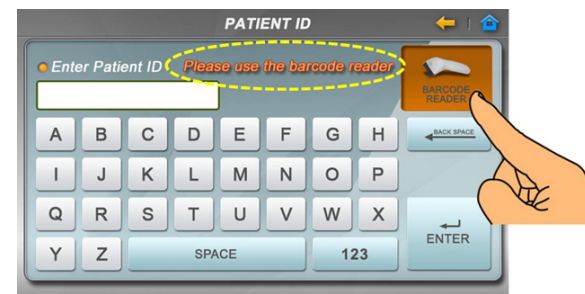


Directions for Use

1. While both the meter and the barcode scanner are off, connect the barcode scanner to the "Barcode Scanner Port (2)" on the rear panel of the meter.



2. Turn on the meter.
Press '**Device**' in '**Setup**' mode to turn ON the Barcode Reader.
3. Press '**Barcode Reader**' on the 'ID Input' screen.
When the barcode reader is ready to use, the message *"Please use the barcode reader"* appears.



Barcode Scanner (Optional)

4. Scan a barcode with the scanner in Barcode Input Standby mode in order to display the barcode information in the ID input field.

<NOTE>

Up to 16 characters can be entered in the barcode information field.
If the barcode input standby time is exceeded, press '**Barcode Reader**' again.

It is important that the labels be printed to the required specifications.
Reading errors may occur if any of the following conditions exist :

- The narrow bar width is too small.
- The barcode length is too small.
- The height is too small.
- The reader is held too far from the label.
- The background reflection is too high or low

If the reader is not able to consistently read your labels, apply a test label of the format being used to a new specimen tube and perform the barcode test.

If the reader is able to read the test label, the quality of your labels may be inadequate.

If the test label cannot be read, the reader itself could be the problem.

Contact with our local representatives for technical assistance.

Battery (Optional)

SelexOn Battery

The SelexOn meter can be operated by using the SelexOn Battery without the power adapter.



How to use the battery

1. Open the battery cover under the meter.
2. Insert the battery to fit the charging terminal of the battery with the other terminal of the meter.
3. Align the battery cover with the battery cover groove. Press and click the cover.

How to charge the battery

1. Plug the power cable of the meter into the wall outlet and turn the power switch 'ON'.
2. Briefly press the "Power Button" on top of the meter.
3. The "Charging LED" on the top of the meter is red while charging the battery.
4. When the battery is charged, the "Charging LED" turns off.

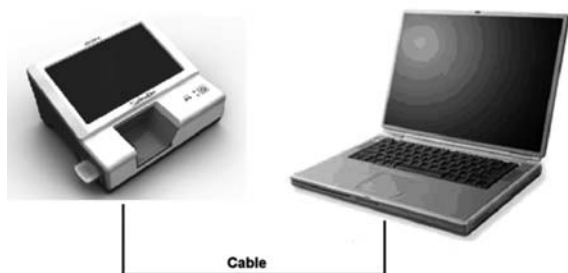
<CAUTION!>

The battery must be removed after the meter is turned off.
If the battery is removed while the power is on, the meter may be damaged.

PC Sync Software

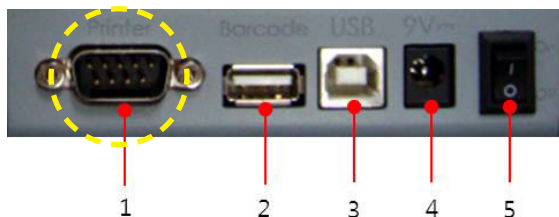
PC Sync Software

This program transfers the results from the meter to a PC.
You can download this program from our web site (www.infopia21.com).



Directions for Use

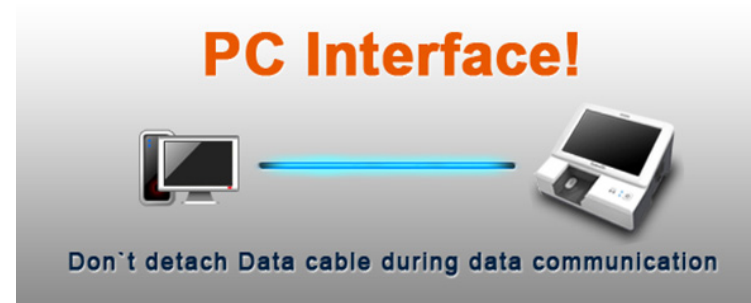
1. While both the meter and the PC are off, connect the PC to the "Printer Port (1)" on the rear panel of the meter by using the data cable that is sold separately.



2. After turning on the PC, turn on the meter.
3. When the meter is in "Main Menu" mode, run the PC Sync program from the PC.

PC Sync Software

4. When the PC Sync program and the meter are connected, the screen below appears on the LCD.



5. When executing the data transfer command by using the PC Sync program, the results stored on the meter are saved on the PC.
6. When you exit the PC Sync program after transferring the data, the meter returns to 'Main Menu' mode.

<CAUTION!>

Do not remove the data cable while running the PC Sync program.

Troubleshooting

Error	Cause	Solution
Er1	Memory test failed	Reboot the meter. If the problem persists, contact the nearest dealer for the service.
Er2	Test strip expired	Check if the date on the meter is properly set to the current date. If the date is incorrect, set the current date from the setup menu. Check for the expiration date of the strip.
Er3	Unmatched code	Check if the RFID label code and the strip code match. The same RFID code must be recognized.
Er4	RFID recognition time has passed	Hold the RFID tag on the strip box as close as possible to the RFID reader on the meter. If the problem persists, contact the nearest dealer.
Er5	Barcode cannot be read	Check if the strip code label is contaminated. If the label has no problem, slowly insert the strip again. If the problem persists, contact the nearest dealer.

Troubleshooting

Error	Cause	Solution
Er6	Test strip was moved	Do not move or remove the strip during the measurement. If the problem persists, contact the nearest dealer.
Er7	Temperature too high or too low	Leave the meter at a temperature between 18 - 32°C for 10 minutes prior to use.
Er8	Blood inlet cover is open	The "Blood Inlet Cover" must be kept closed during the measurement. Close the cover and rerun the measurement.
Er9	Strip insertion timeout	The strip must be inserted within 3 minutes of the strip insertion screen appearing on the LCD. Rerun the measurement.
Er10	Test strip may be contaminated	The strip is contaminated or used. Use a new strip and rerun the measurement.

Troubleshooting

Error	Cause	Solution
Er11	Test strip can not be used	A test strip has used for the standard strip test. Rerun the test by using the standard strip.
Er12	Standard strip can not be used	Do not use the standard strip for tests other than the standard strip test. Rerun the test by using the test strip.
Er13	Level discordance	The level selected from the standard strip test and the standard strip level do not match. When the Level 1 is selected, Standard1 should be inserted. When the Level 2 is selected, Standard2 should be inserted.

Appendix

1. Maintenance

2. Check upon Failure

3. Specifications and Characteristics

4. Symbol & Description

Maintenance

Never disassemble the meter.

If the meter does not operate properly, unplug the power cable and contact the authorized service center.

Cleaning

Turn OFF the meter prior to cleaning and separate the external power adapter and the meter.

Wipe off dust on the meter with a soft, clean cloth.

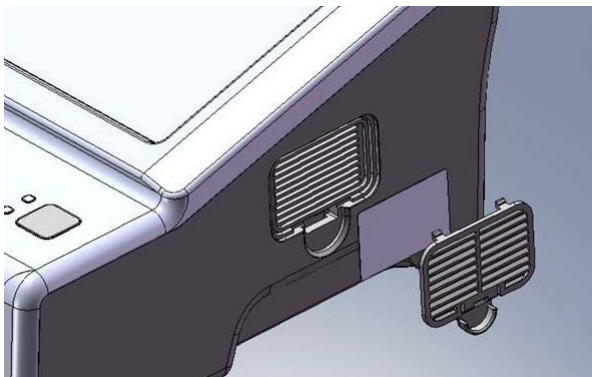
Do not use any liquid or gas cleaning agents.

When cleaning the blood inlet, remove the "Blood Inlet Cover" and clean only contaminated areas by using a cotton swap.

If needed, use an alcohol wipe to clean the contaminated area. Do not use other chemicals. Other chemicals may damage the meter surface.

Replacing Fan Filter

Routinely inspect the fan filter on the right side of the meter. If the fan filter is dirty due to dust, replace with a new filter that is provided with SelexOn.



1. Open the fan filter cover on the right side of the meter.
2. Carefully remove the used fan filter.
3. Replace it with a new fan filter.
4. Close the fan filter cover.

Check upon Failure

When the meter does not boot

- Check for the "Power Switch" on the rear panel.

When the screen displays nothing

- When the meter is in Power Saving mode, a screen saver runs. Touch the LCD in order to exit Power Saving mode.

When the strip is expired

- Check if the date and time on the meter is set to the current date and time.

Specifications and Characteristics

Sample Type	Anticoagulant-treated (EDTA-treated) venous whole blood
Sample Volume	100ul
Measurement Range	Refer to the strip manual.
Number of Stored Results	2000 results
Power Source	DC 9V / 3A
Dimensions / Weight	168 x 190 x 95(mm) / 0.8kg
Storage Temperature	10 ~ 35°C (50 ~ 95°F)
Operational Temperature	18 ~ 32°C (64 ~ 90°F)
Humidity	10% ~ 85%
Peripheral Devices	Thermal Printer Barcode Scanner Battery (7.4V / 4400mAh) Data Cable

Symbol & Description

Symbol	Description
	This symbol indicates that the product complies with the applicable directives of the European Union.
	Consult instruction for use.
	Used by
	Caution, consult accompanying documents
	Authorised representative in the European Community.
	<i>in vitro</i> diagnostic medical device.
	Batch code
	Catalog number
	Serial number
	Manufacturer

Symbol & Description

Symbol	Description
	Temperature Limitation
	Do not reuse
	Date of Manufacturer
	Keep away from sunlight
	Direct Current
	Waste Electrical and Electronic Equipment
	This symbol indicates that the system is type A equipment, which provides a particular degree of protection against electric shock.