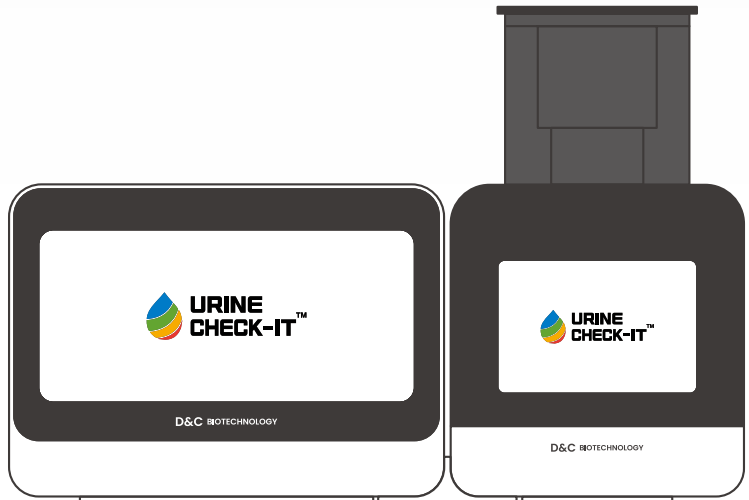


This device is a medical device.

Urine Analyzer User Manual for Medical Institutions

URINE CHECK-IT URINE ANALYZER USER MANUAL

ENG ver.

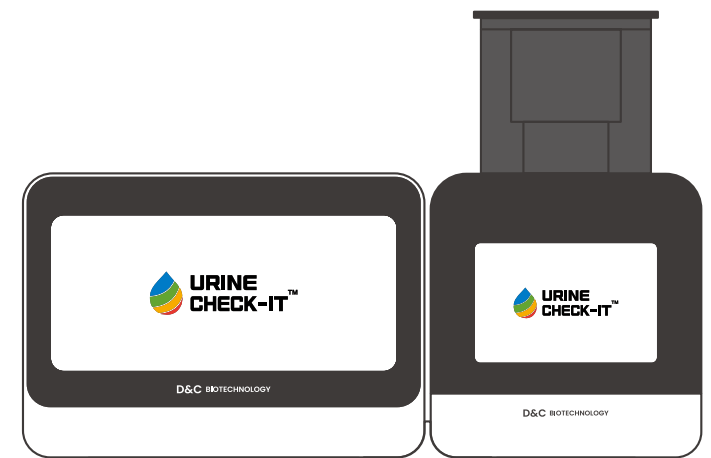


CONTENTS

1. System Introduction
2. System Components
3. Control Panel
4. Display Panel
5. Maintenance and Management
6. Result Interpretation
7. Product Warranty

General Information

- URINE CHECK-IT is a registered trademark of D&C Biotechnology Inc.
- D&C Biotechnology Inc. reserves the right to change or modify the specifications and documentation of the product without prior notice.
- The contents included in this manual are protected by copyright. Any modification or distribution of the contents of this manual without the written consent of D&C Biotechnology Inc. will result in legal liability.



1. System Introduction

- 1-1. Preface
- 1-2. Overview of Flexible Optical Biosensor Technology
- 1-3. Overview of Urinalysis Methods
- 1-4. Principle of Operation
- 1-5. Purpose
- 1-6. Key Functions
- 1-7. Performance
- 1-8. Device Specifications
- 1-9. Operating Instructions
- 1-10. Warnings and Cautions



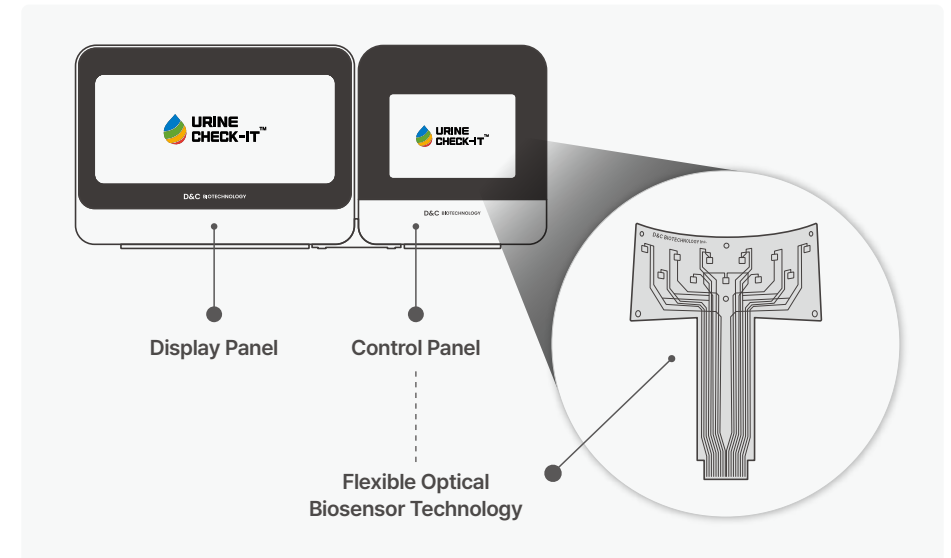
1-1. Preface

URINE CHECK-IT is a product developed to improve various problems caused by the complex testing process using our own developed Flexible Optical Biosensor, reducing the testing process to one step for convenience and hygiene of the test, and providing better precision and accuracy to enhance the quality of medical services. It is also designed to allow general users to operate it easily without separate training.

⚠ Warning - Disconnect the code immediately in case of danger.

1-2. Overview of Flexible Optical Biosensor Technology

- Curved Scanner with Flexible Optical Biosensor
 - Utilizing technology that reduces distortion by placing sensors along the curvature of the sample cup, increasing accuracy.



1-3. Overview of Urinalysis Methods

- Three Basic Methods
 - Physical examination for color and turbidity
 - Chemical examination using urinalysis test strips
 - Examination of solid components in urine using a microscope

Among these, the urinalysis test strip method can relatively accurately diagnose the quantity and clinical significance of substances in the urine. Urinalysis is a common and basic method performed with other diagnostic methods for early detection or confirmation of diseases.

1-4. Principle of Operation

The analyzer is a device that detects the changes in the strip color of urine components such as glucose, bilirubin, ketone, specific gravity, blood, pH, protein, urobilinogen, nitrite, and leukocytes using an optical sensor. It displays the results on an LCD screen, prints the results, and can transmit the results to a computer.

1-5. Purpose

- **URINE CHECK-IT** is a dedicated measuring device utilizing our own developed urinalysis cup.
- It measures the chemical components and physical properties of urine such as hemoglobin, bilirubin, urobilinogen, ketones, specific gravity, nitrite, leukocytes, glucose, acidity, and protein using sensors developed by our company.

1-6. Main function

- Automatic saving of results function
 - 22,000 results saved automatically
- Easily view results stored in the database
 - Printable using linked printer
- Communication method
 - Bluetooth communication method between Control panel and Display panel
 - External printer connection wifi communication
- Select operation method
 - Select 'Network' for using internal network
 - If not, select 'Stand Alone'
- No cleaning required

1-7. Performance

- Measurement Processing Time per Test: Within 2 minutes
- Number of Stored Measurement Data
 - : Control panel - 50 records (Internal Storage) / Display Panel - 5,000 records
- Detection Light Source: White LED
- Processing Color Sensor Module: R:G:B(16-bit resolution each)
- External Connectivity: Bluetooth/LAN
- Analyzable Components
 - : Glucose, Bilirubin, Ketone, Specific Gravity, Blood, pH, Protein, Urobilinogen, Nitrite, Leukocytes

1-8. Device specifications

CATEGORY	EXPLANATION	REMARKS
Supply Power	5V Max (3A)	-
Power Adapter	C-type Charger	-
Size	(W) 170mm * (V) 170mm * (H) 184mm	Control Panel
	(W) 252mm * (V) 170mm * (H) 184mm	Display Panel
Weight	3.4kg	-
Technical Characteristics	Automatic calibration	-
	Patient information registration using NFC	-
	Automatic manual selection mode	-
External Connections	Bluetooth 4.1 SPP	-
HMI	4.3" Electrostatic touch method	-
Wavelength	Red (610nm), Green (540nm), Blue (460nm)	-
Operating Temperature	Indoor (5°C ~ 40°C)	-
Storage Temperature	Indoor (5°C ~40°C)	-

1-9. Operating Instructions

- Once the test preparation is complete, press the power switch on the back of the display panel to turn on the power.
- Check the login and device connection status, then press the power button on the control panel to raise the transport part and insert the dedicated cup.
 - Press the button on the back of the display and control panel for more than 1 second to turn on the power, then connect the two devices via Bluetooth.
 - When the control panel is turned on, the transport part will automatically rise so that you can put the cup in.
- Insert the dedicated cup containing urine into the correct position and start the test.
 - In manual mode, pressing the run test button on the display screen, the transport part moves down.
 - In automatic mode, inserting the cup will be recognized, and the transport part will descend.
(When a dedicated cup with NFC is inserted, the test can be conducted immediately without any additional actions or inputs. A general test cup without NFC requires additional patient information input.)
- Once the measurement is complete, the results will be automatically displayed on the screen.

1-10. Warnings and Cautions

- Before installation, operation, maintenance, transportation, and storage of the device, please refer to the enclosed user manual, as using the device in a manner not specified by the company may degrade its functions.
- When inserting the dedicated cup into the transport part, ensure that the transport part is accurately stopped at the top, and be careful not to put your hands in to insert or remove the cup when the transport part is moving.
- When using a dedicated cup, be sure to pump with the pump in the cup, as urine will stain the litmus test paper.
- Please note that the contents of this user manual may be revised without notice.

2. System Components

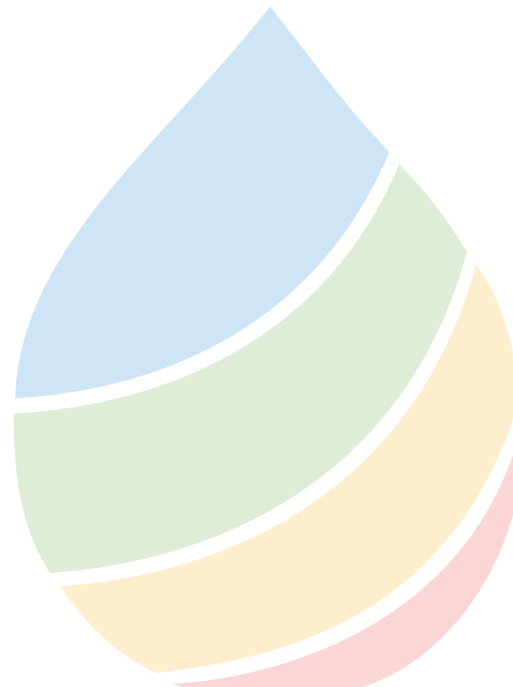
2-1. Device Components

2-2. System Name

2-3. System Components

2-4. Precautions Upon Receiving the System

2-5. Symbols

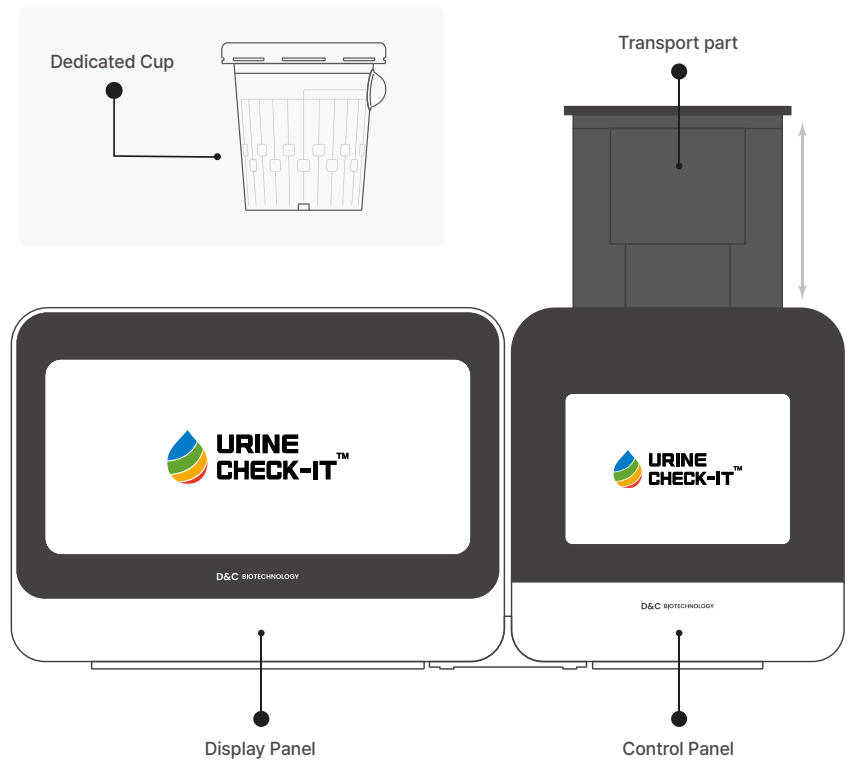


2-1. Device Components

This system consists of three main parts for urine analysis.

- Control panel where urine analysis is performed
- Display panel to manage inspection progress and results
- Dedicated cup for holding specimens

2-2. System Name

















2-3. System Components

CATEGORY	QUANTITY	REMARKS
Control Panel	1	
Display Panel	1	
Power Adapter	2	
User Manual	1	
Linker	1	Device-to-device connection stand
Dedicated Cup	- Not included -	Sold separately

2-4. Precautions Upon Receiving the System

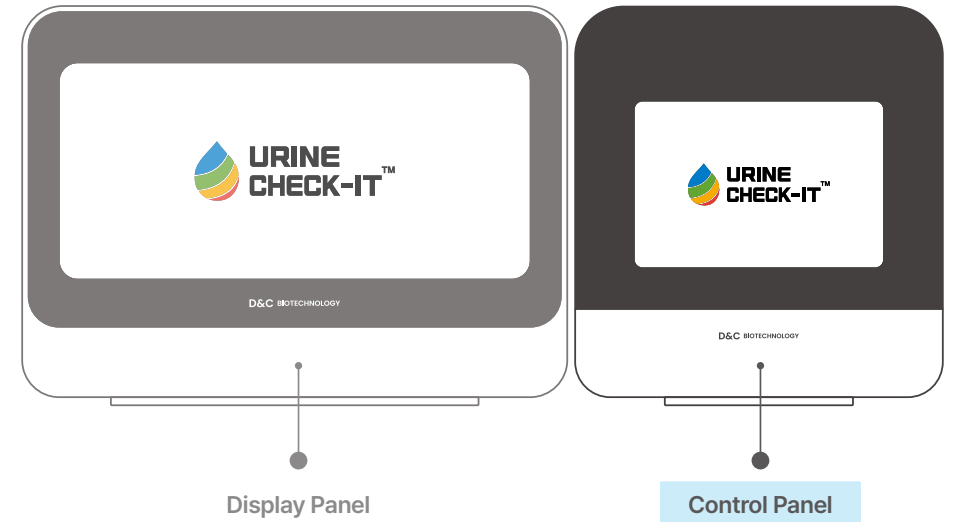
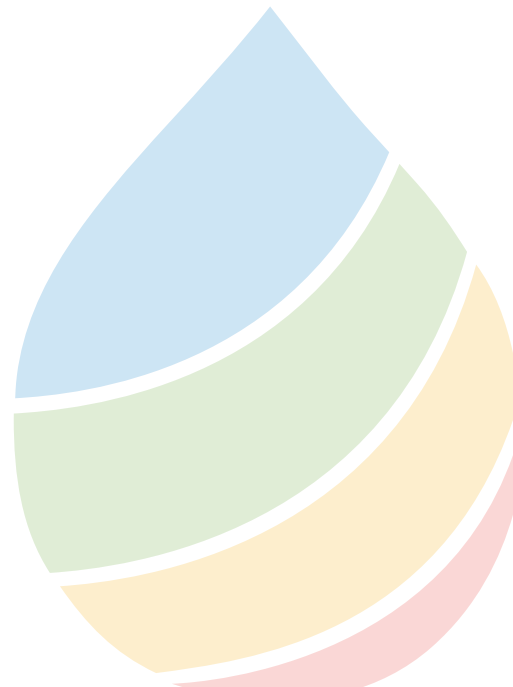
- Inspect for any exterior damage.
 - If any issues occurred during transportation, request action within 10 days of receipt.
 - Keep all inspected contents intact.
- Verify that all components are properly included after unpacking the product.
 - Immediately contact the supplier if any components are missing.
- Store packaging materials separately after confirming normal operation.
 - Contact the supplier directly in case of component loss.

2-5. Symbols

	Indicates the need to refer to the user instructions for important cautionary information such as warnings and cautions that cannot be displayed on the medical device for various reasons.
	Indicates general warnings.
	Indicates general warnings.
	Indicates the product number for identifying the product.
	Indicates that this device is a medical device.
	Indicates that this device is an in vitro diagnostic medical device.
	Indicates the manufacturer of the medical device according to EU Directives 90/385/EEC, 93/42/EEC, and 98/79/EC.
	Indicates the manufacturing date of the medical device.
	Indicates the need for users to refer to the user instructions.
	National Integrated Certification Mark / Products officially launched in Korea in various fields such as safety, health, environment, and quality must receive this mark.
	Do not repair.
	Connected to the power supply unit
	Electronic components should not be disposed of with general waste flow in local waste treatment facilities or general waste.
	The 'copyright' symbol is indicated as a mark to imply copyright notice attached to copies of all publicly distributed works.

3. Control Panel

- 3-1. Key Functions
- 3-2. Operating Instructions
- 3-3. Screen Composition
- 3-4. Settings
- 3-5. Inserting and Removing Dedicated Cup



3-1. Key Functions

Chemical and physical properties such as hematuria, bilirubin, urobilinogen, ketones, specific gravity, nitrites, leukocytes, glucose, pH, and protein in urine contained in the dedicated cup can be measured through the curved scanner equipped with a flexible optical biosensor inside.

- Automatic result storage
- Automatic storage of up to 2,000 results
- No need for cleaning

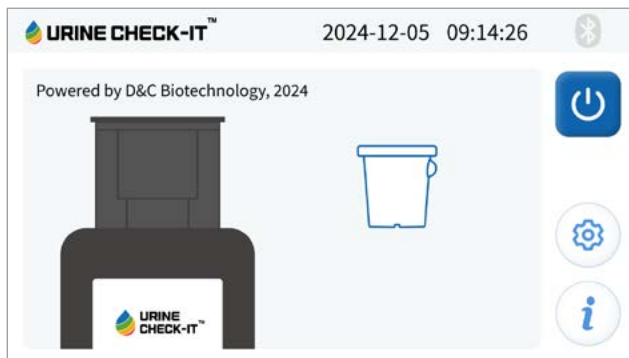
3-2. Operating Instructions

- Usage
 - Connect the USB C-type power at the back of the device using the provided adapter.
 - Press the power button (power mark switch) on the back of the control panel.
 - Turn on Bluetooth on the display panel and pair it after searching for the device.
 - When power is supplied (connected), the cup transport part rises to allow insertion of the cup.
 - Press the pump once to allow the urine in the cup to apply to the litmus paper and place the cup on the transport part.
 - Press the start button on the display panel to start the test.

⚠ Caution - Be careful not to disconnect the power cord during use.

⚠ Warning - Immediately disconnect the cord in case of danger.

- Default Screen
 - When the system power is turned on, it performs self-checks and automatic diagnostics, then displays the main screen.



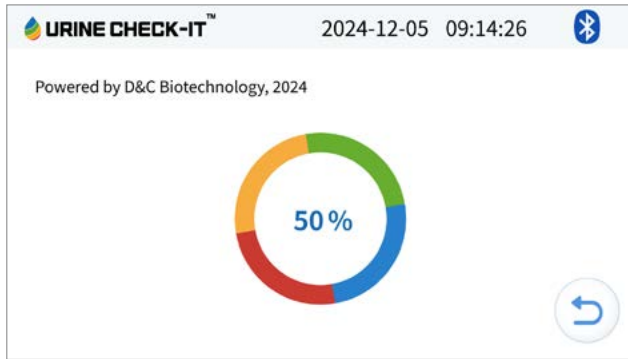
- Screen depending on whether the cup is inserted
 - If there is no cup or it is not recognized properly, the screen will appear like **A**.
 - If the cup is inserted and recognized properly, the screen will change to **B**.



- Screen when cup is going down and raised



- During the test



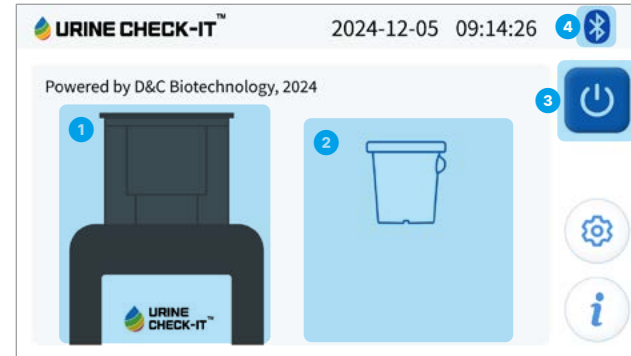
- Test Results

- After the test is completed, you can check each test value and analysis result.
- Please check the display section for detailed results.



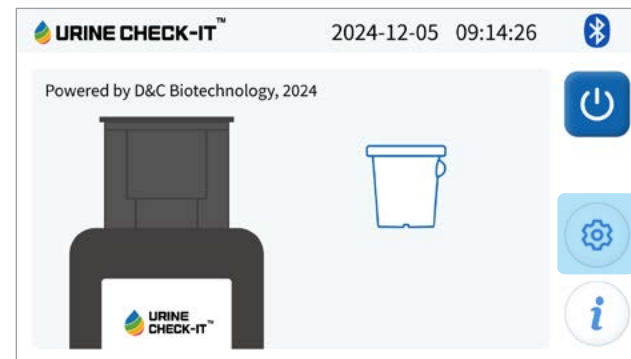
3-3. Screen Composition

- 1 Section indicating the control panel screen and cup input status
- 2 Section indicating the status of the cup
- 3 Device power (when the display panel and Bluetooth are connected)
- 4 Confirmation of display panel and Bluetooth connection



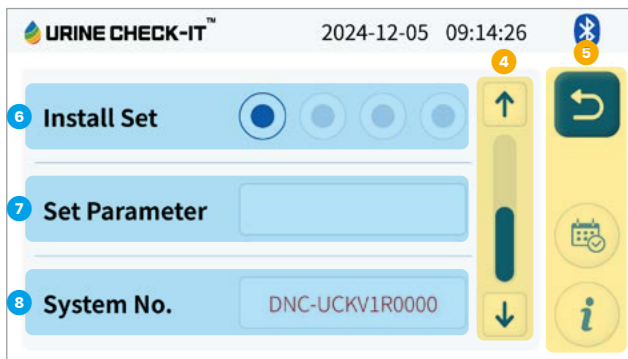
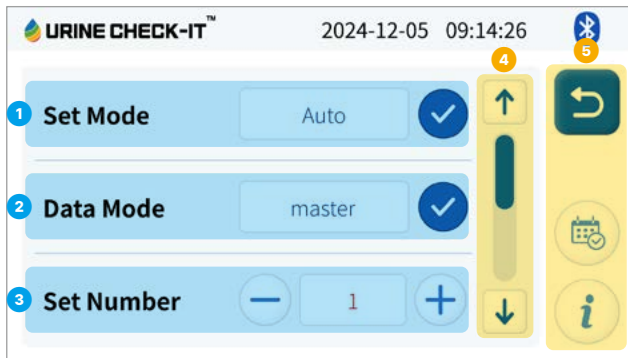
3-4. Setting

- Touching [gear wheel-shaped settings button](#) will take you to the device settings screen.



• Setting

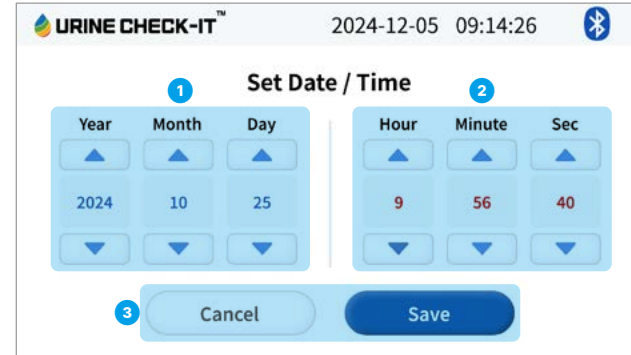
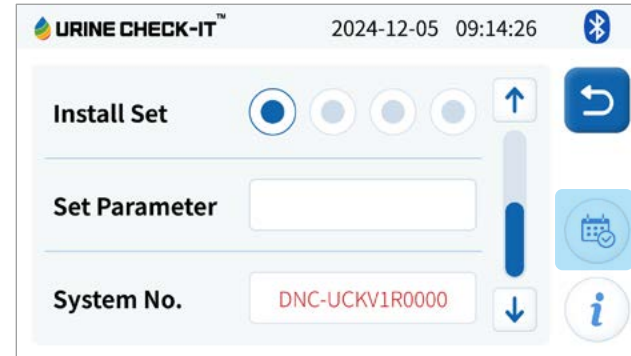
- ① Control Panel Operating Mode Setting (Automatic / Manual)
- ② Control Panel Data Operation Mode (Master / Slave)
- ③ Number of the Set in Control Panel Data Operation Mode (1 ~ 4)
- ④ Previous, Next Page Navigation Buttons
- ⑤ Page Navigation Buttons (Back / Time Setting / Device Information)
- ⑥ Configured Set
- ⑦ Reserved Information
- ⑧ System Number



• Set date and time

Touch the calendar button on the right side of the 'Settings' screen to set the date and time.

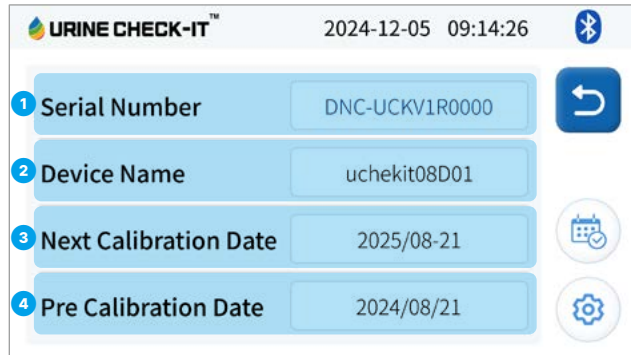
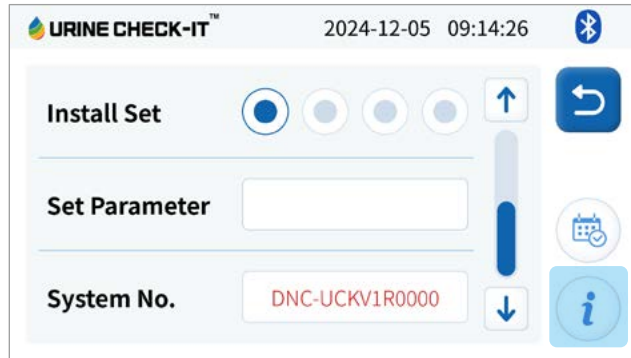
- ① Set system date
- ② Set system time
- ③ Move to the previous screen after selecting settings (Complete / Cancel)



• About Device

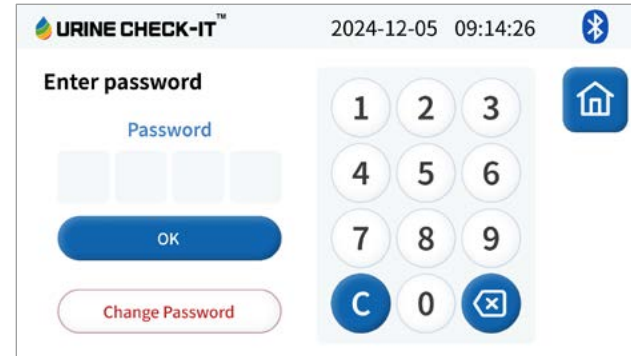
Touch the 'i' button on the right side of the 'Settings' screen to check device information.

- ❶ Product serial number
- ❷ Device number displayed when connecting via Bluetooth
- ❸ Next measurement date
- ❹ Previous measurement date



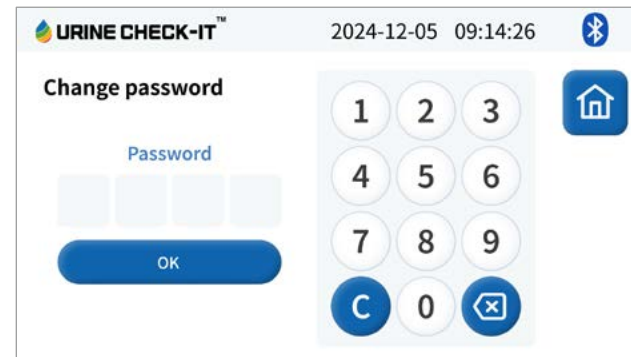
• Password Input

- ❶ Password required every time you to the 'Setting'.
- ❷ The initial password is '1234' and touch Change Password to change the password.
- ❸ Touching C on the numeric keypad will clear the four-digit password at once.
- ❹ Touching the X on the numeric keypad will erase the password digits one by one.



• Password Change

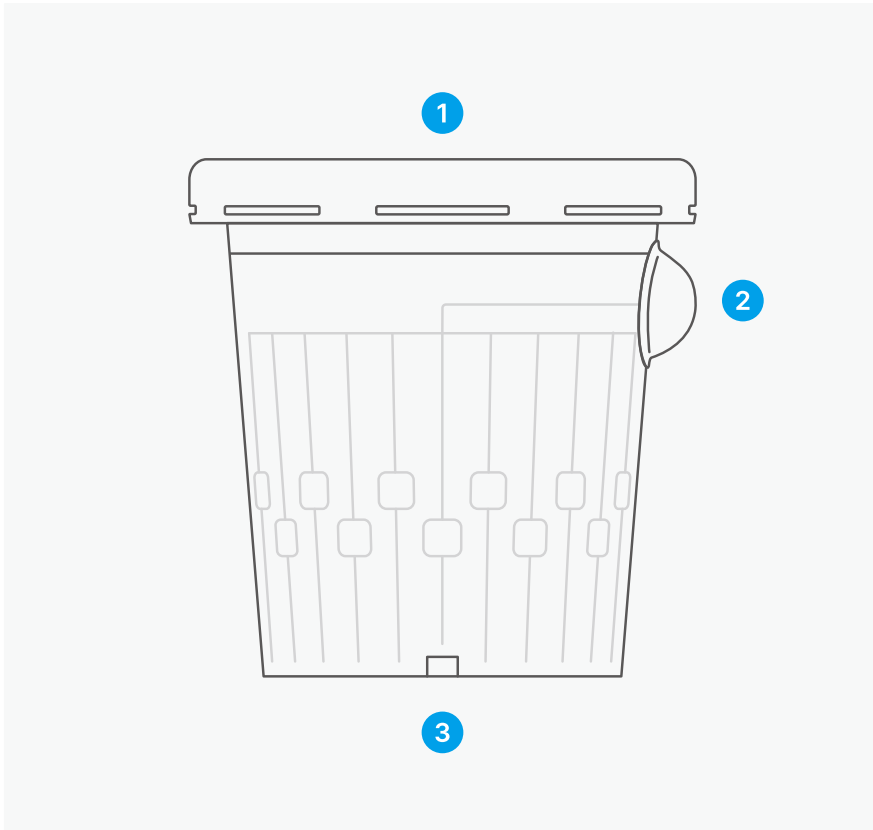
- ❶ Enter the desired four-digit password.
- ❷ After entering, touch OK to save the new password.



3-5. Inserting and Removing Dedicated Cup

- Cup Composition

- ① Cup Lid
- ② Air Pump
- ③ Fixing Slot



- Inserting Cups

- ① Make sure the lid of the dedicated cup containing the patient's urine is completely closed.
- ② Press the pump on the dedicated cup once to apply the urine to the litmus paper.
- ③ Insert the dedicated cup when the transport part has completely risen and stopped.
- ④ Insert the cup with the direction matching the pump as shown in the '3-5_Cup Composition' image.
- ⑤ Ensure that the transport part containing the inserted cup has completely descended and the cup is successfully recognized, displaying 'Insert Successful' on the control panel screen.

- Removing Cups

- ① Cups should be removed when the test is completed or when the power is turned off.
- ② Remove the dedicated cup when the transport part has completely risen and stopped.

Please note the following when handling cups:

- Precautions when handling

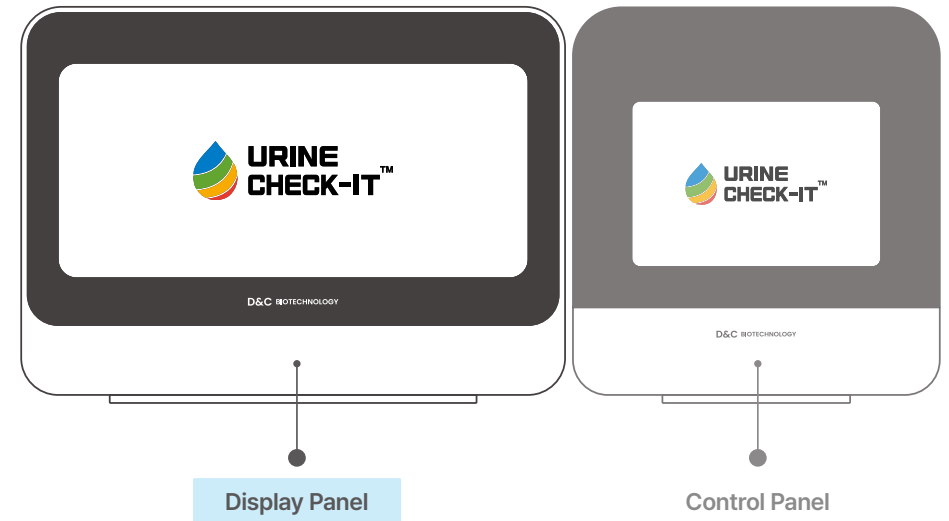
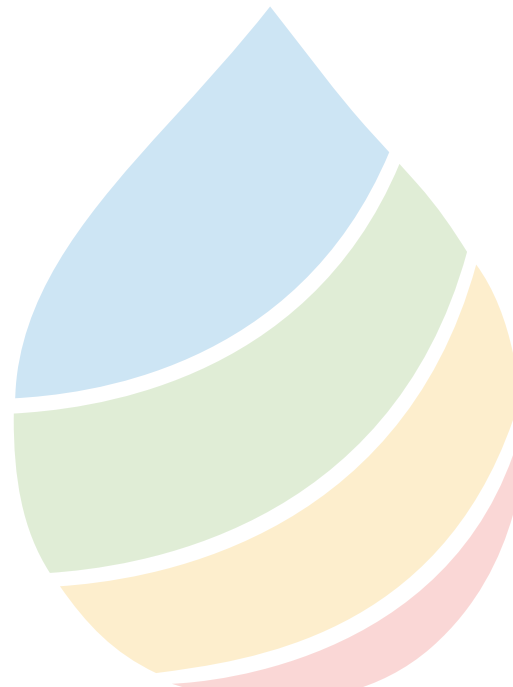
- Ensure that the cup lid is securely closed.
- Be careful not to let foreign substances adhere to where the test strip is attached.
- Do not apply excessive force to where the test strip is attached.
- Be careful not to deform the shape of the cup.

⚠ Caution - Confirm the stoppage of the cup transport part movement before removal.
(Removing cups in an incomplete state can cause product damage.)

⚠ Caution - Be careful not to turn off the power without removing the cups.
(Power interruption in an incomplete state can cause product damage.)

4. Display Panel

- 4-1. Key Functions
- 4-2. Initial Setup
- 4-3. Main Screen
- 4-4. Urinalysis Function
- 4-5. Test Result Display
- 4-6. Test Result Printing
- 4-7. Result Search
- 4-8. Usage
- 4-9. Settings
- 4-10. Automatic Updates



4-1. Key Functions

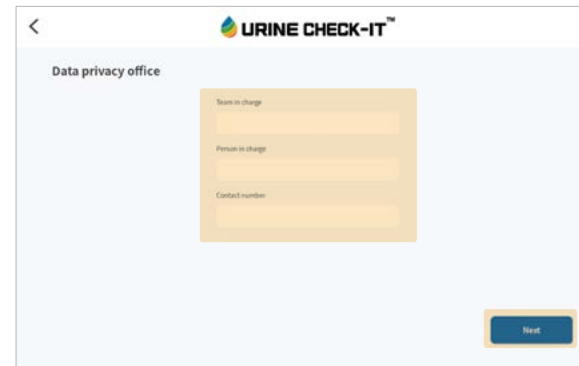
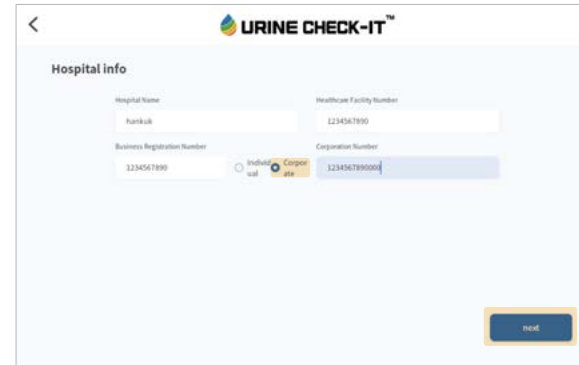
The display panel primarily transmits test results conducted by the control panel for easy viewing and management of medical information.

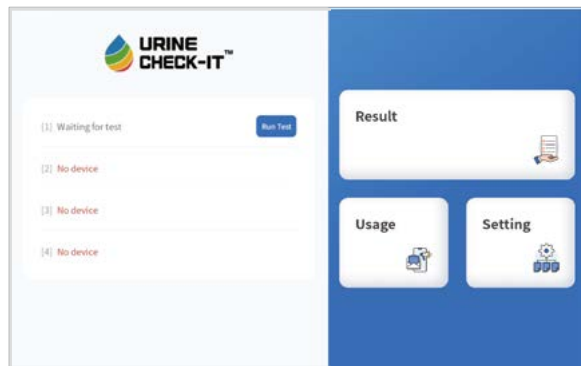
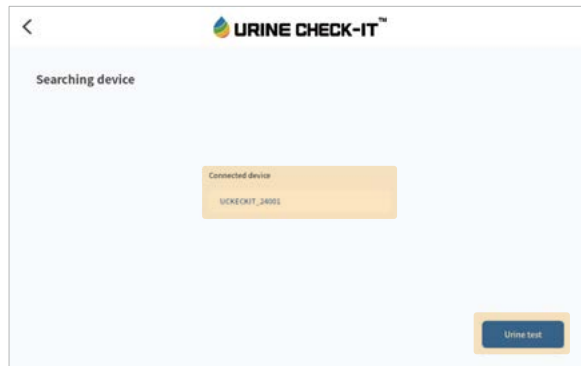
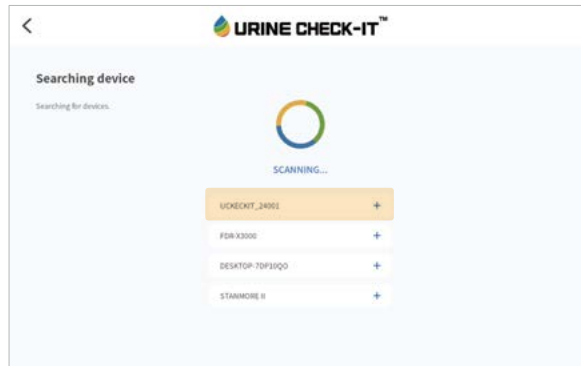
- Key Functions
 - Display of test results
 - Automatic saving of test results
 - Backup and restore
 - Test result search
 - Test result printing
 - Internal network or offline connection
 - Language settings
 - Automatic updates

4-2. Initial Setup

When starting URINE CHECK-IT for the first time, you can divide it into two settings: Network or Standalone.

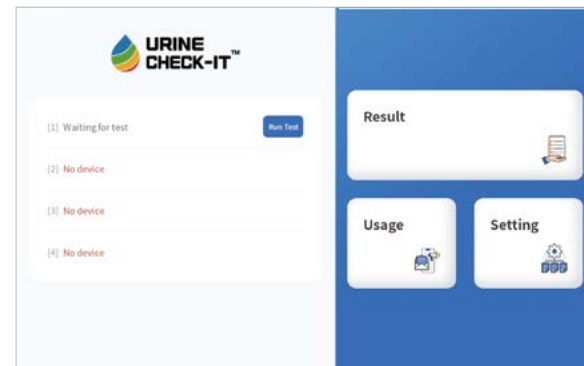
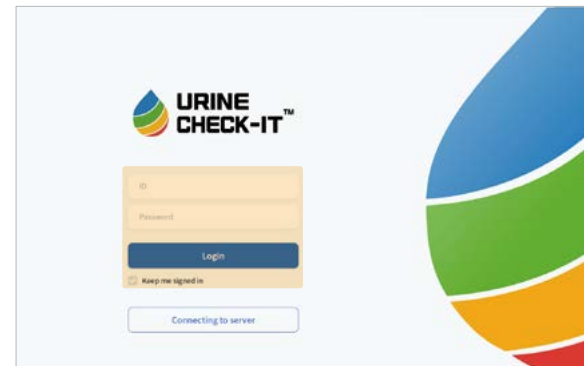
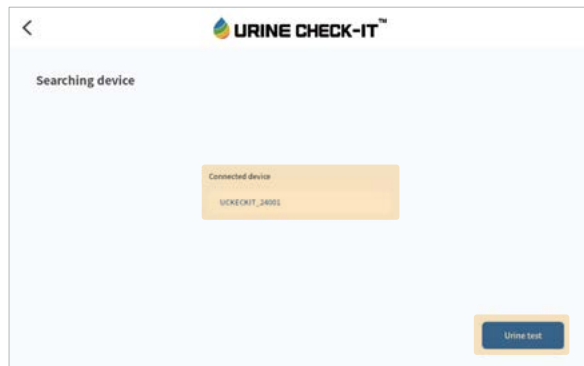
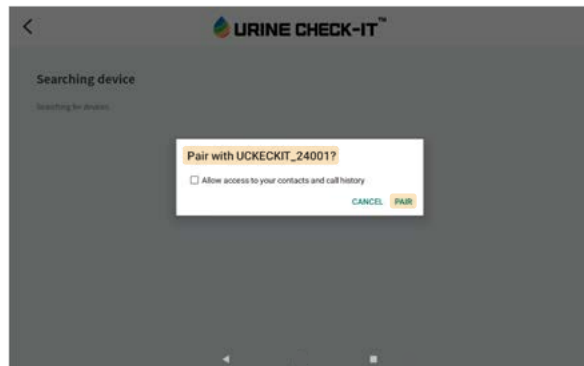
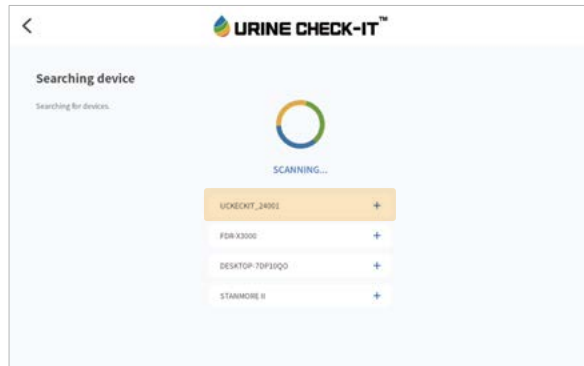
- Standalone Setup
 - Enter appropriate information regarding hospital details and the person in charge of data privacy, then proceed to search for the device.
 - Check the connected device and move to the 'Main Screen' when touching Urine test.
 - When connecting by selecting a searched Bluetooth device, check 'Settings' - 'Device Information' - 'Device Name' on the control panel and select the matching device name.





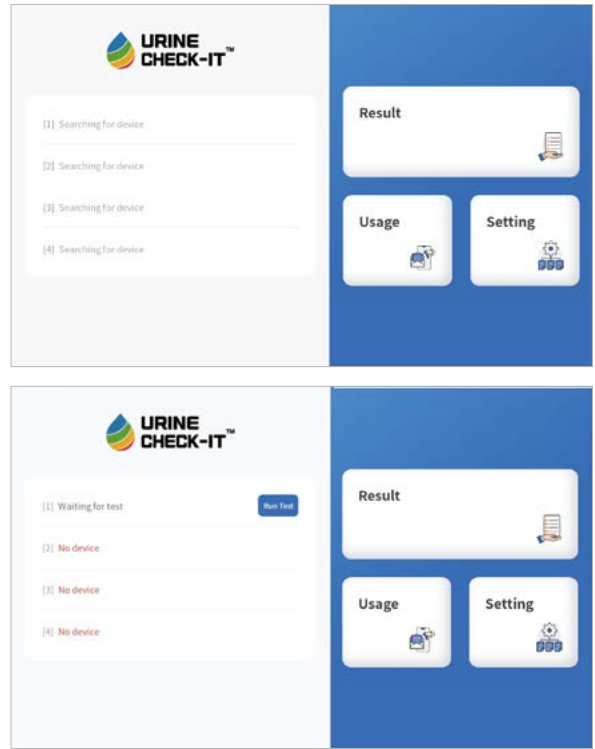
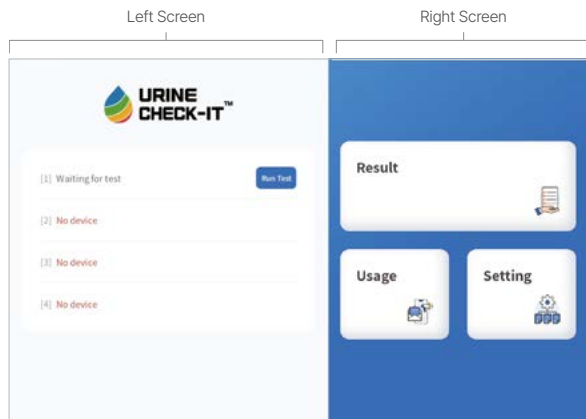
- Network Setup
 - Search for the device and confirm the connected device after connection.
 - After entering the server information in use, move to the login page.
 - In the case of Network, log in with the account registered by the administrator of the own server, then move to the 'Main Screen'!
 - When connecting by selecting a searched Bluetooth device, check 'Setting' - 'fi' button - 'Device Name' on the control panel and select the matching device name.





4-3. Main Screen

- Introduction to Screen Composition



– Left Screen

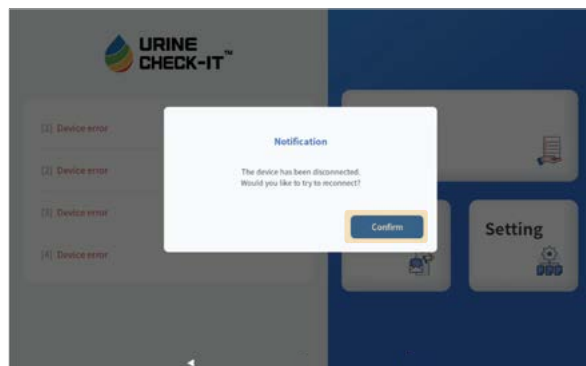
- 1 When the dedicated cup is successfully inserted, the run test button appears.
- 2 When the test is in progress, a progress graphic appears.
- 3 When the test is completed, a test result button appears.

– Right Screen

- 1 Result - Move to the 'Results Search' screen
- 2 Usage - Move to the instructions screen
- 3 Setting - Move to the 'Settings' screen

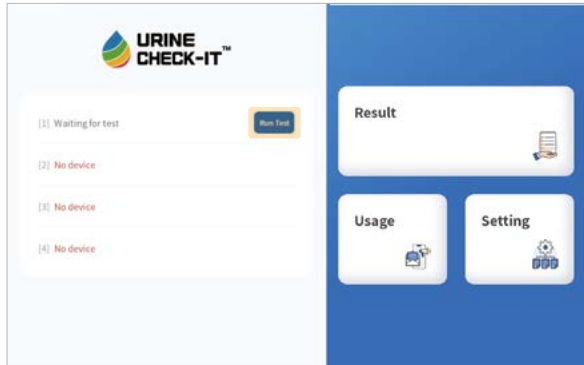
- Device Reconnection

– If the Bluetooth connection with the display panel is lost, the device search will begin again.

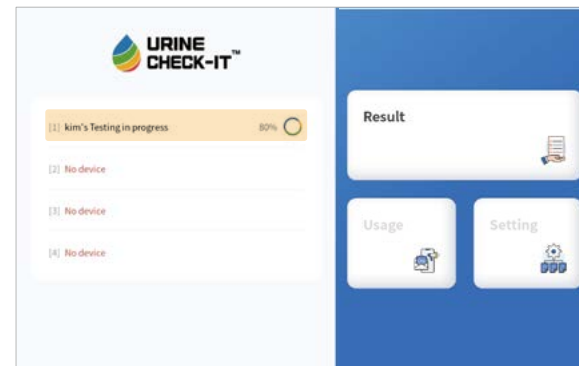
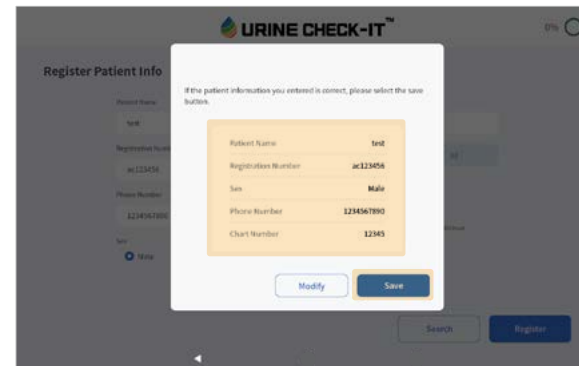
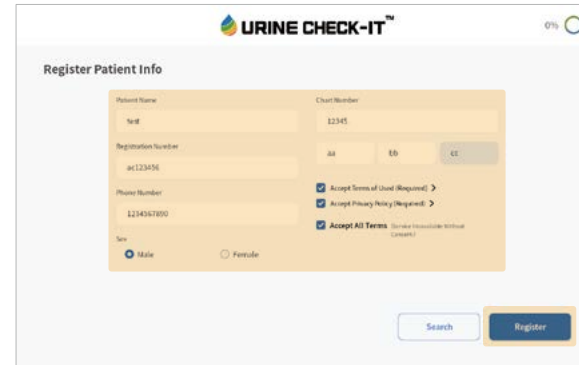
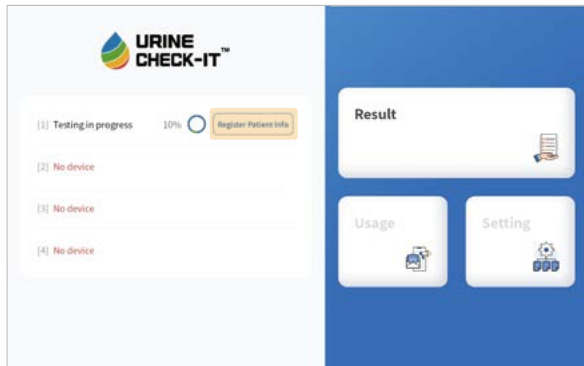


4-4. Urinalysis Function

- Run Test
 - Touch [Run Test button](#) to begin the test.

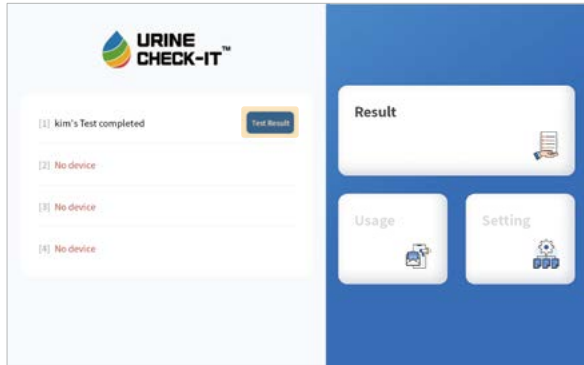


- Patient Information Registration
 - For unregistered patients, touch [Register Patient Info](#) to input information.



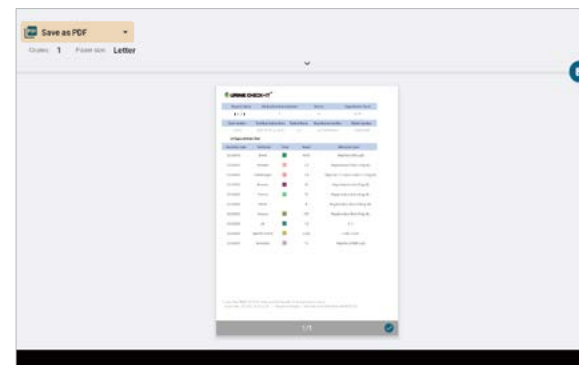
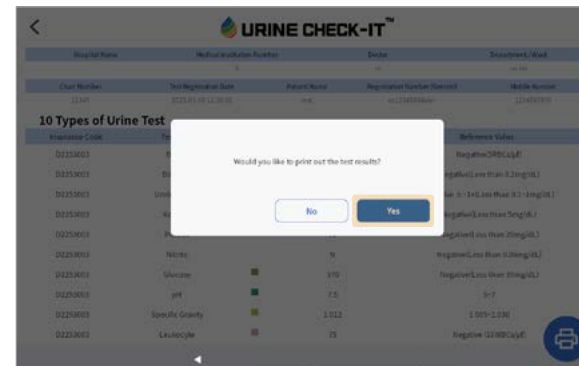
4-5. Test Result Display

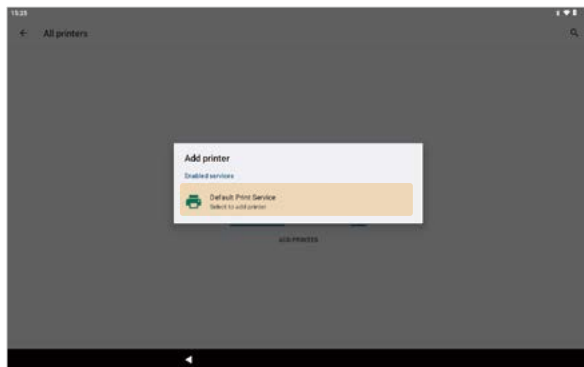
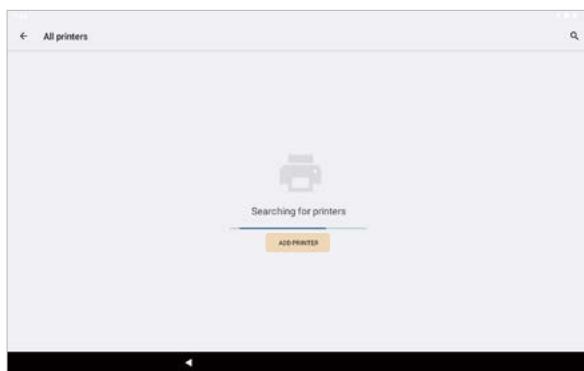
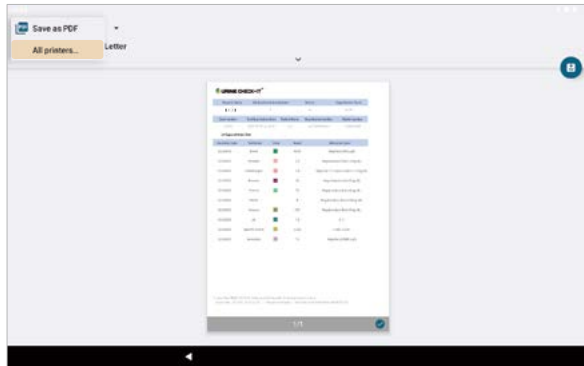
- Test Result Display Screen
 - Touch Test Result button to move to the 'Test Result Display' screen.



4-6. Test Result Printing

- Touch the printer-shaped button to print the test results to the connected printer.
- It must be connected to the same network Wi-Fi as the printer.
- If the printer is not recognized because the Wi-Fi is connected to a different network from the printer, go to 'Setting' - 'Network Settings' and connect to Wi-Fi and try printing again.

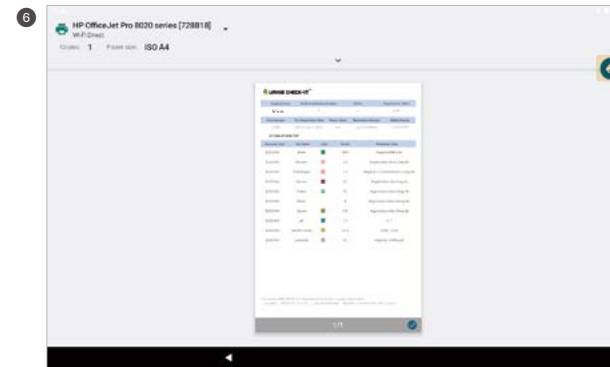
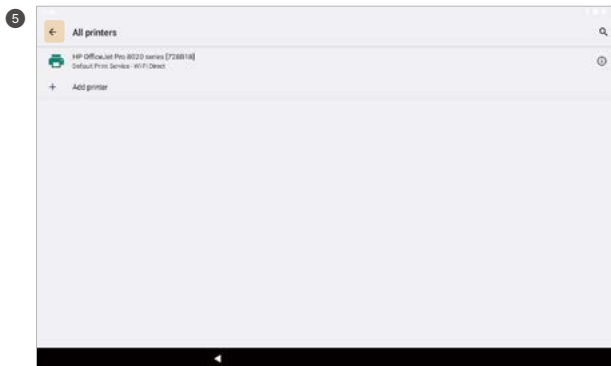
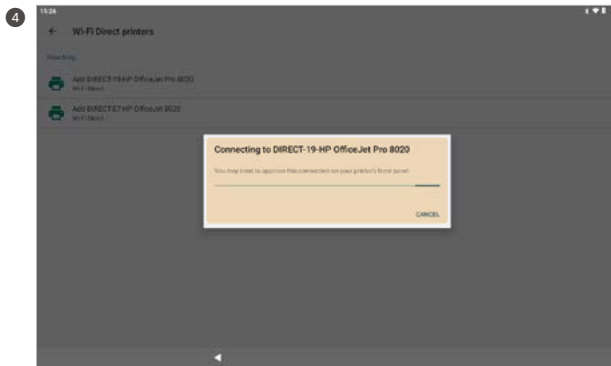




• Connecting to a printer via Wi-Fi

- 1 Activate 'Wi-Fi Direct printing' and touch Find Wi-Fi Direct printers.
- 2 A list of printers connected to the same network appears.
- 3 Select the printer you want to print from.
- 4 Connect to the printer.
- 5 Touch the back button at the top left.
- 6 After checking that the printer is correctly selected at the top left, press the print button to print.

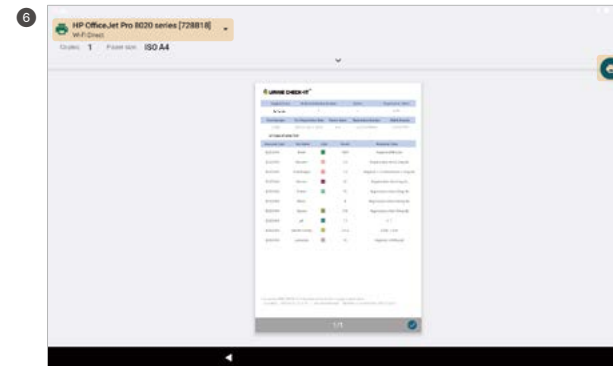
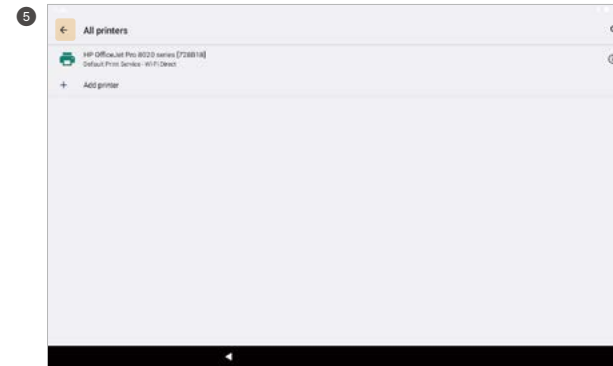
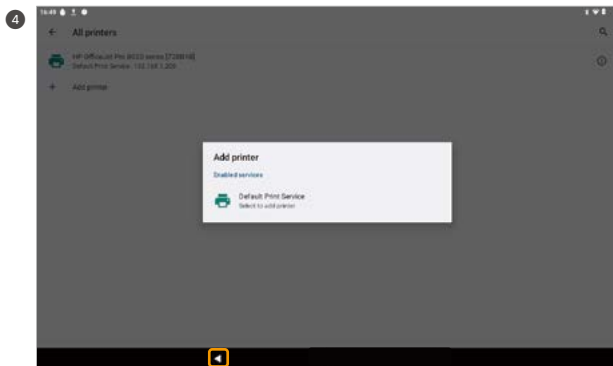
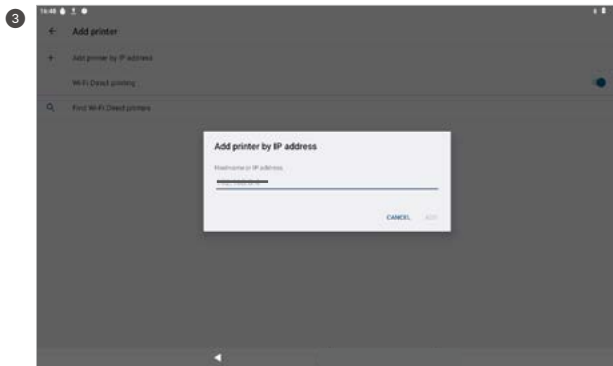
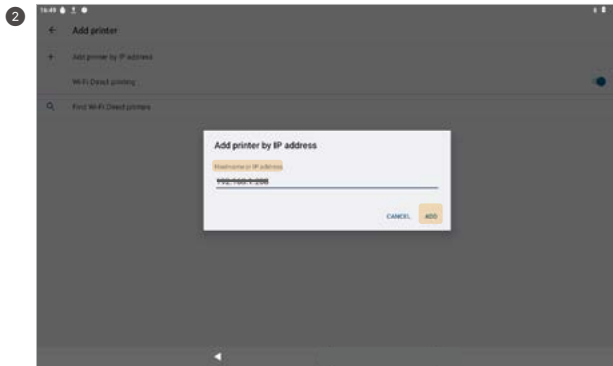




- Connecting to Printer by IP Address
 - 1 Touch Add printer by IP address.
 - 2 Enter the IP address of the printer you want to print from.
 - 3 Search for and connect to the printer matching the IP address.
 - 4 Once the search and connection are complete, touch the back button at the bottom.
 - 5 Next, touch the back button in the upper left corner.
 - 6 After checking that the printer is correctly selected at the top left, press the print button to print.

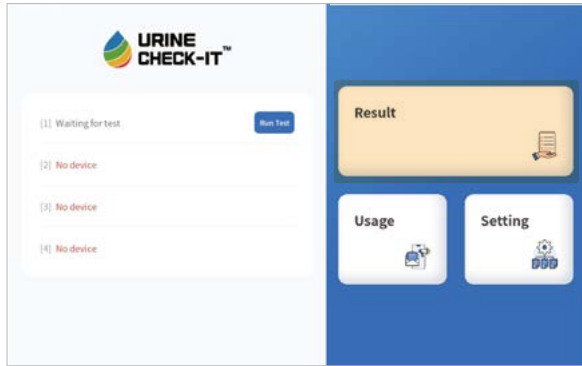


4. Display Panel

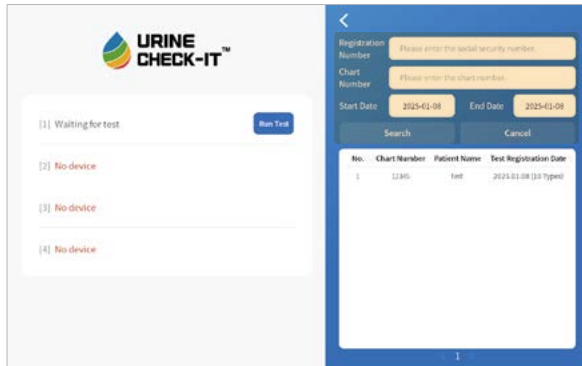


4-7. Result Search

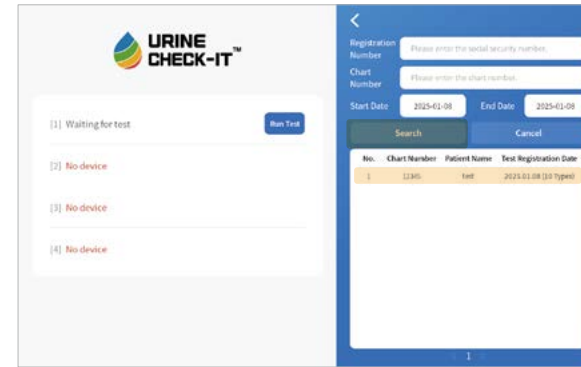
– Patient information can be searched by touching the result button



– Fill in the patient information to check the desired information

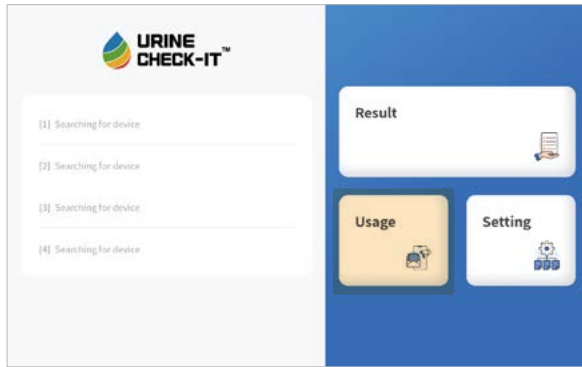


– Touch one of the search results to go to a more detailed test results screen.

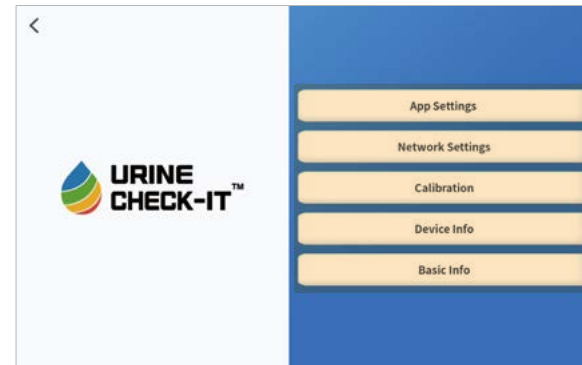
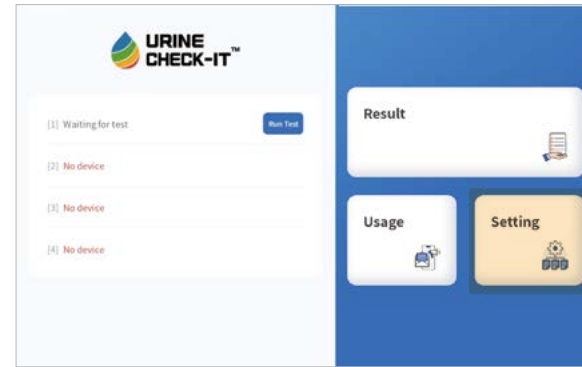


Test Name	Color	Result	Reference Value
Blood	Green	H100	Negative$3AB$C _{u</sub>fE}
Bilirubin	Red	2.0	Negative$Less than 0.2mg/dL$
Urobilinogen	Red	2.5	Negative 2-+$Less than 0.3-1mg/dL$
Ketones	Red	30	Negative$Less than 5mg/dL$
Protein	Green	30	Negative$Less than 20mg/dL$
Nitrite	Red	N	Negative$Less than 0.06mg/dL$
Glucose	Green	370	Negative$Less than 30mg/dL$
pH	Green	7.5	5-7
Specific Gravity	Green	1.022	1.005-1.030
Leucocyte	Red	75	Negative 100WBCufE

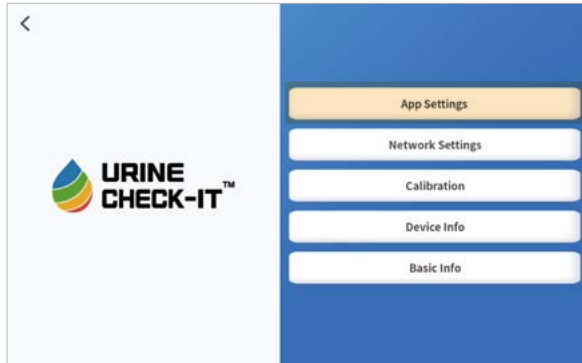
4-8. Usage



4-9. Setting



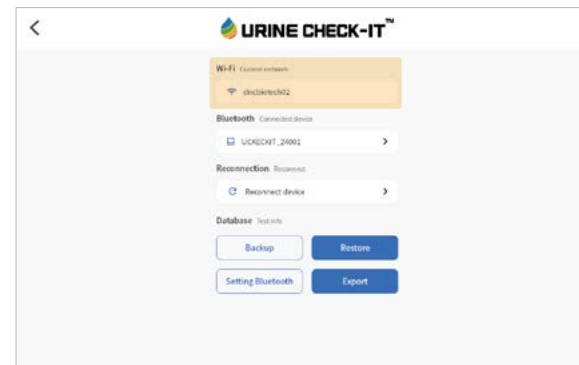
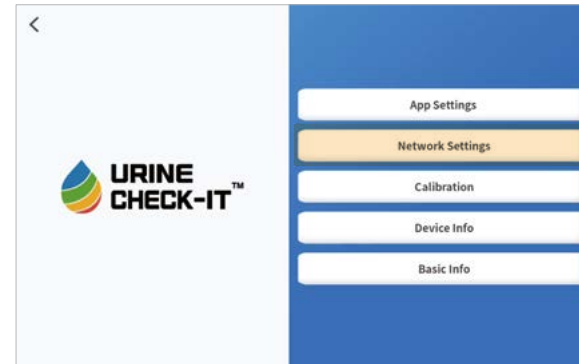
- App settings
 - Change to another language in [Language Setting](#)
 - [Kiosk Setting](#) is a menu exclusive to manufacturers, so do not allow arbitrary manipulation by users.

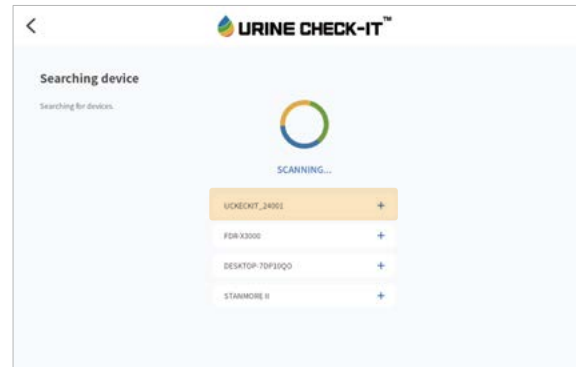
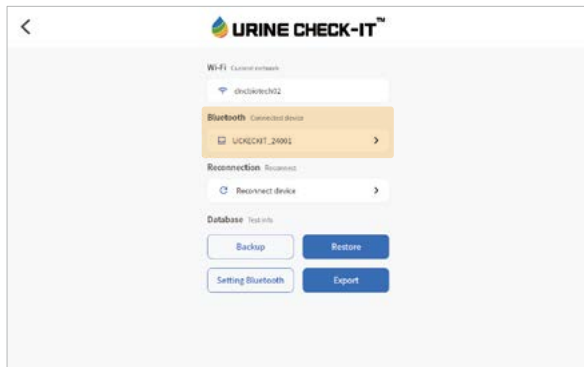


- If the system time and local time are different, change the system time in [Date and Time Settings](#).

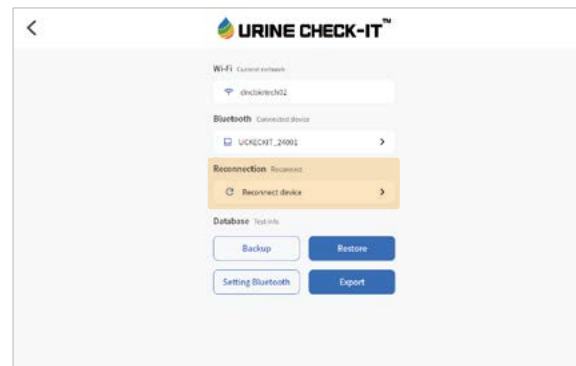


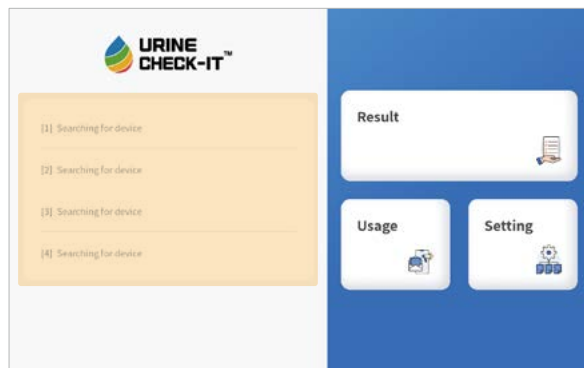
- Network Settings
 - Manage your network Wi-Fi and Bluetooth connected devices.





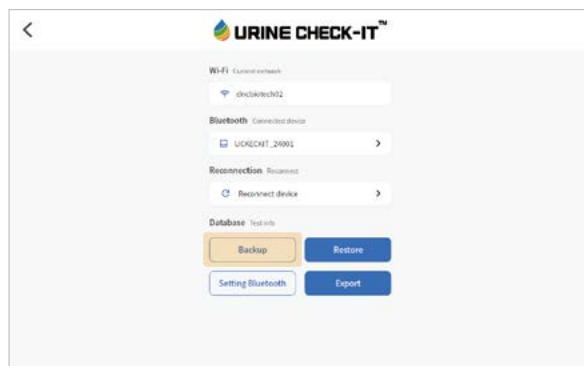
- Touch 'Reconnect Device' to initialize the device connection and search for the device again.





- You can backup and restore test information data. (File extension - BIN)

1 Backup data - Downloads the current inspection information to the device.

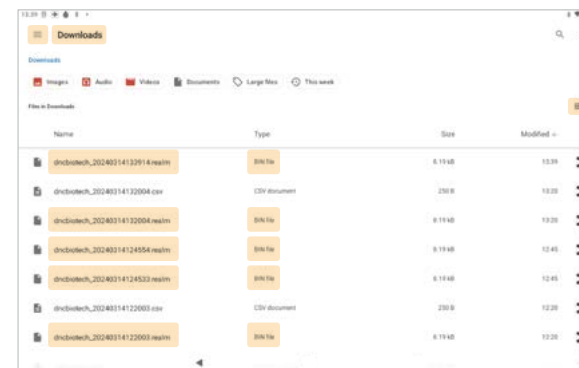
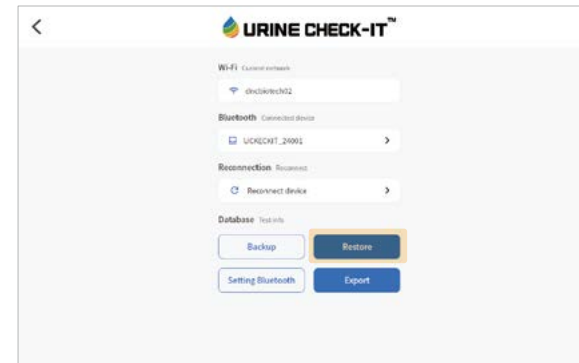


2 Restore data - Import the test data downloaded to the device into the program.

- Touch the Restore button and touch the More Menu button on the top left to select the Download folder.

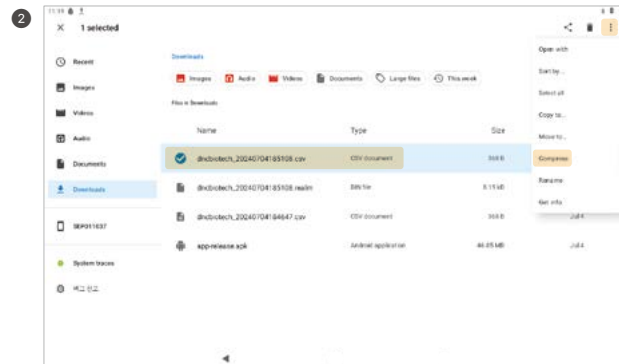
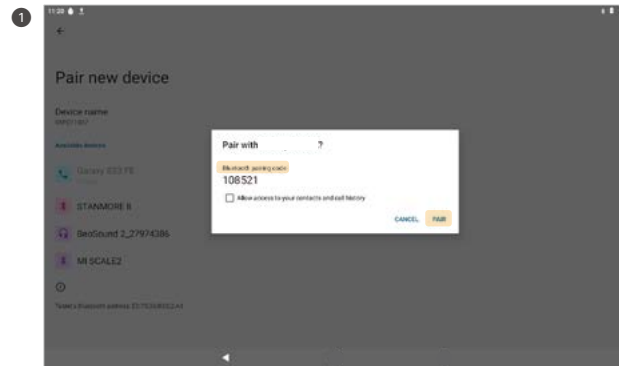
- Touch the BIN file at the time of restoration in the download folder to complete the restoration.

(If the files in the Download folder appear in a grid arrangement, touch the grid-shaped arrangement switching button in the middle right to change the arrangement.)

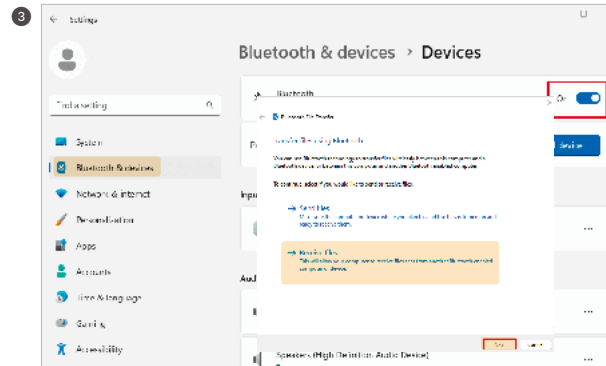


– After connecting with the device via Bluetooth, compress and send the data.

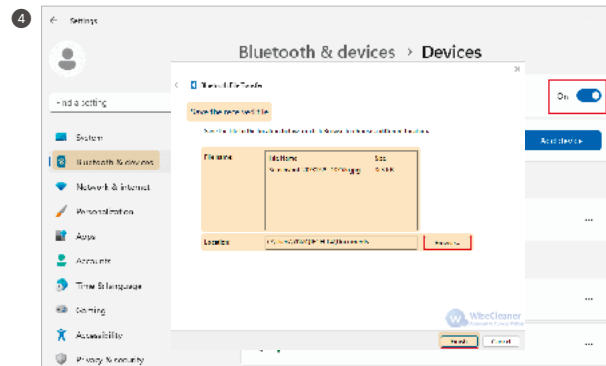
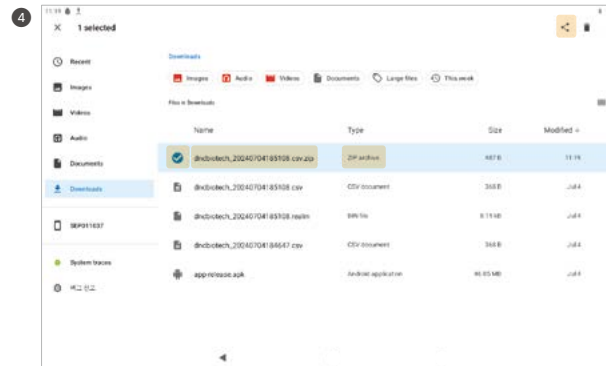
- 1 Touch the Setting Bluetooth and connect with the device via Bluetooth.
- 2 By touching 'Export', chose CSV files you want to export and then, touch the 'More button' in the upper right corner and select 'Compress'.



- 3 To exchange files via Bluetooth, first navigate to 'Settings' on your connected desktop. Select 'Bluetooth & devices', then click on [Send or receive files via Bluetooth]. After that, touch Receive files to prepare to receive files.
- 4 Select the compressed zip file, then touch the Share button in the top right corner to choose the connected device. This will change the window on your paired desktop to the 'Save the received files' window. From there, you can check the file and transfer the data to your preferred location.



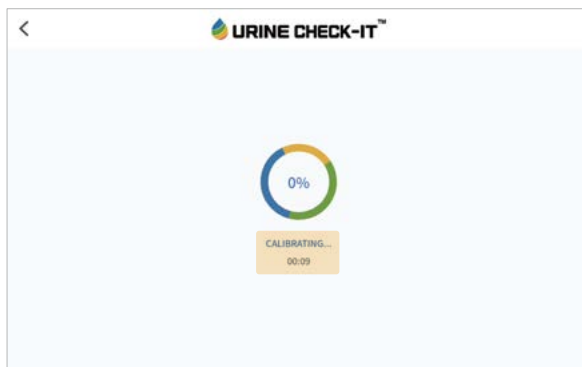
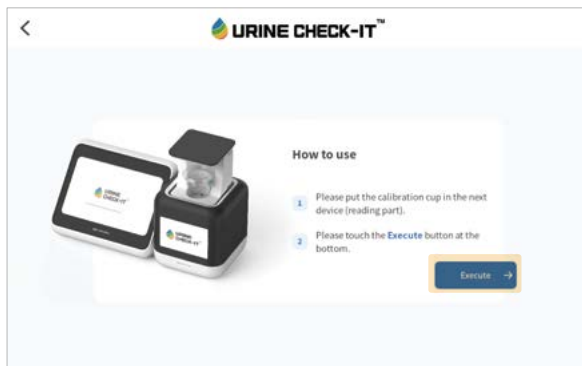
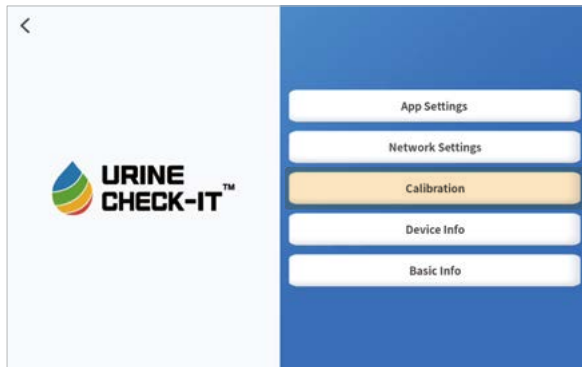
→ Desktop screen connected via Bluetooth



→ Desktop screen connected via Bluetooth

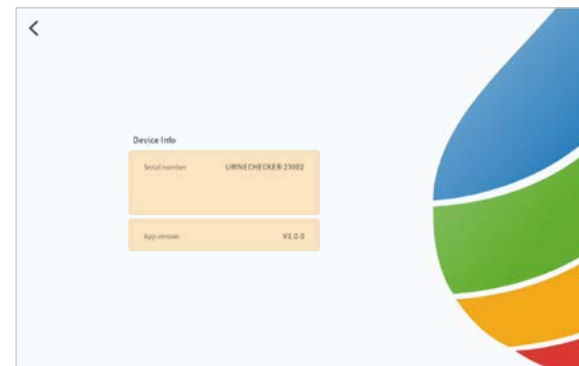
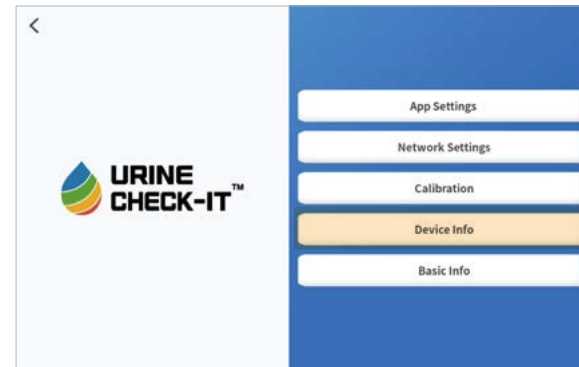
- Calibration

- Touching Calibration allows you to start the test immediately. (reading part = control panel)

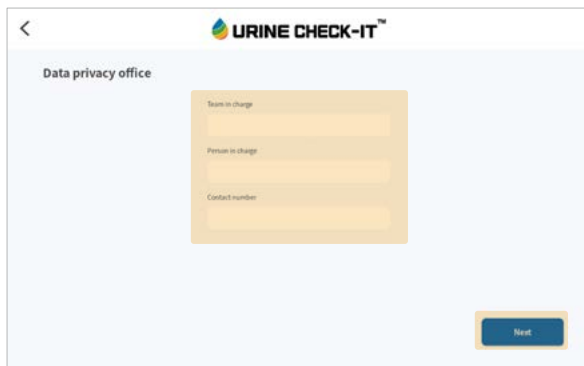
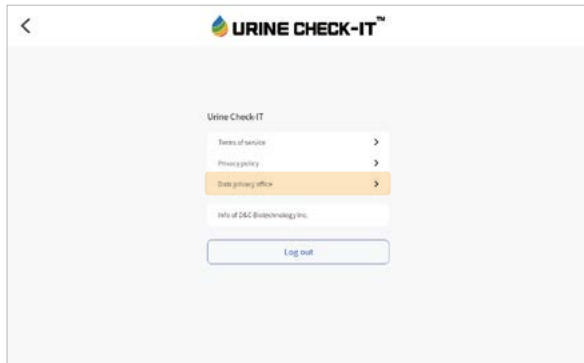
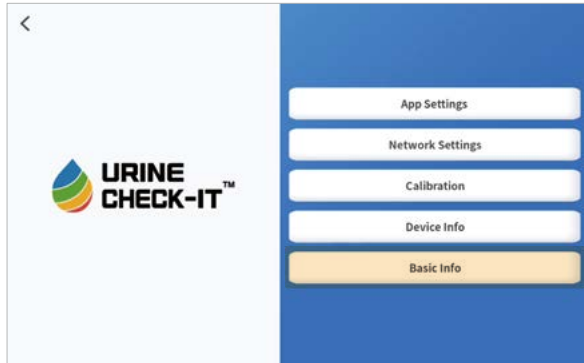


- Device Info

- You can check the serial number and app version.

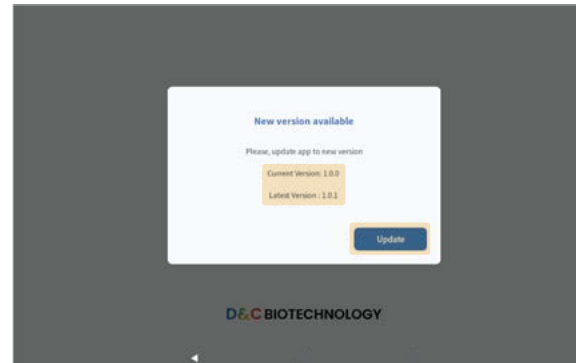


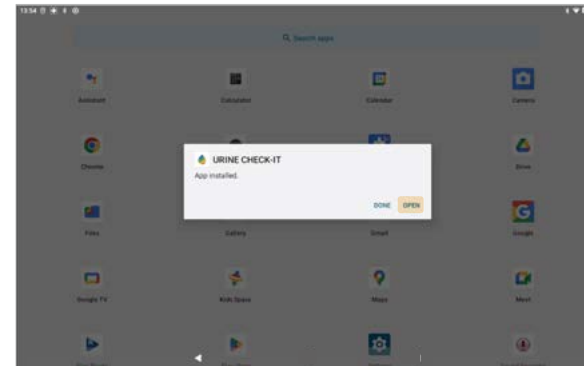
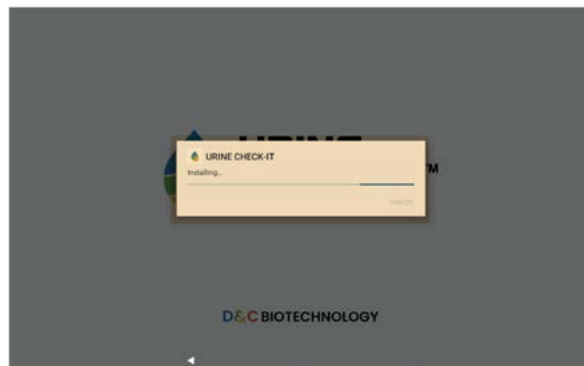
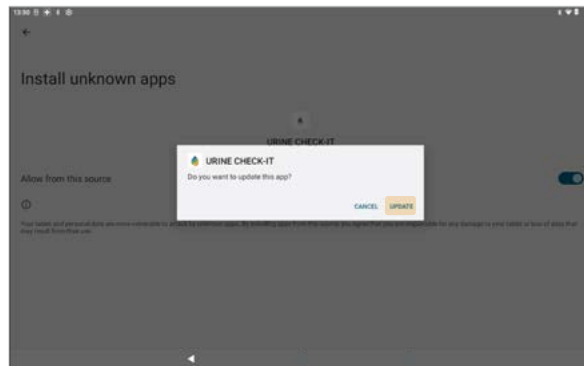
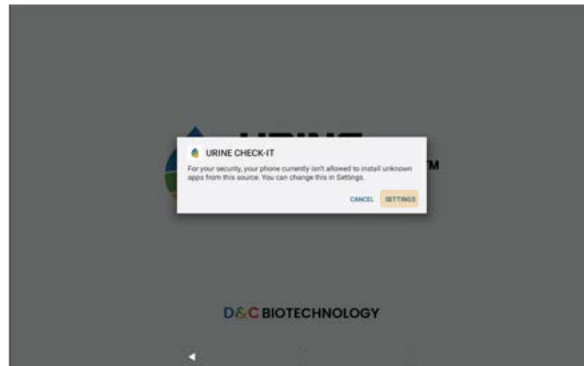
- Basic Info
 - You can check the terms of use, privacy policy, and company information.
 - You can log out of the existing logged-in account.



4-9. Automatic Updates

Automatically runs version check when the program starts. If the current version is not the latest version, run update to the latest version.



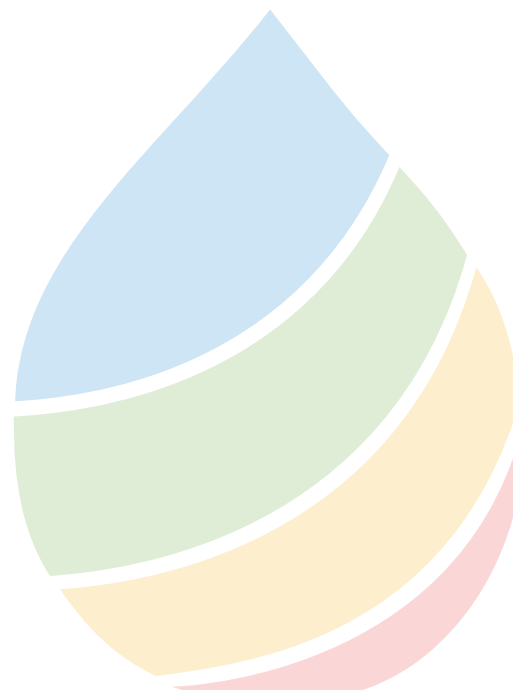


5. Maintenance and Management

5-1. Preparation Before Use

5-2. Precautions during Use

5-3. Storage and Management Method



5-1. Preparation Before Use

- ① Check for any abnormalities in the display panel and control panel.
- ② Connect the USB Type C power source located at the back of the display panel using the provided adapter.
- ③ Check the connection status of the display panel and the control panel.
- ④ To connect the display panel to the PC, check that the connector is connected to the PC.
- ⑤ Check whether there is a possibility of long-term exposure to excessive humidity and temperature, and do not use if it is not suitable for storage and use conditions.
- ⑥ Check whether direct sunlight, ovens, or heating appliances are nearby, and do not store or use if they do not meet the storage and use conditions.

5-2. Precautions during Use

- Keep the exterior and interior of the device clean.
- Do not leave the analyzer in places with extreme temperature changes.
- Do not place the analyzer in places with severe vibration or uneven floors.
- Be cautious to prevent shocks during transportation.
- Avoid exposure to high temperature, humidity, or direct sunlight.
- Attempting to repair the device internally may cause malfunctions.

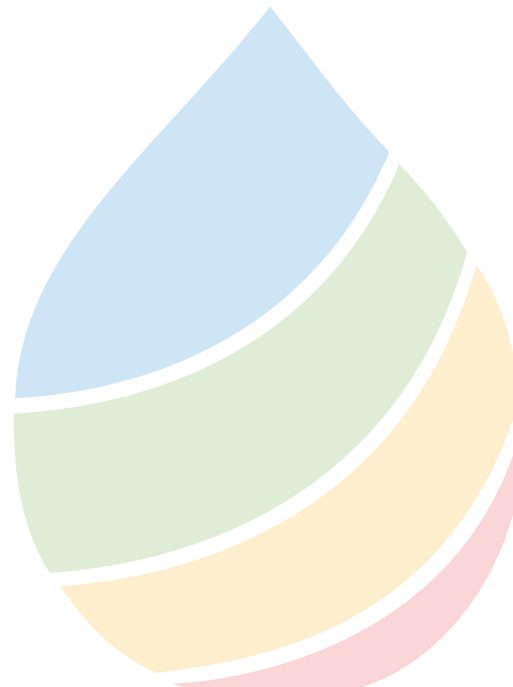
5-3. Storage and Management Method

- Use only designated cups supplied by the provider.
- Keep anything from touching the top of the transport part of the device.
- Ensure that no obstacles are located within 15 centimeters from the top surface of the transport part on the device.
- Manage the attachment area where the cups are attached to the device to prevent any abnormal substances from entering, as it could cause equipment malfunction.
- When not in use, use the Power button to take down the transport part completely and keep the power off.
 - When you touch the power button on the control panel screen, the transport part takes down and the power turns off.
- Use only the supplied adapter (5V 3.0A).
- No additional cleaning procedures are required after use, allowing the transport part to be lowered and maintained.
- Keep the exterior and interior of the device clean.
- The analyzer should not be left in places subject to extreme temperature changes.
- The device should not be placed on a place subject to excessive vibration or a slanted floor.
- Be careful not to receive shock when moving.

6. Result Interpretation

6-1. Result Interpretation

6-2. Insurance Classification Codes and Normal Reference Ranges by Test Type



6-1. Result Interpretation

The analysis results and general reference ranges are as follows, but the criteria may vary depending on clinical findings, so other test results and the physician's opinion are necessary to assess pathological conditions.

Item		Judgment interval and colorimetric stage measurement range												
		Negative	Positive											
Blood	Color	Hemolysis	N											
	Mark			H10	H30	H50	H100	H250						
	Color	Non Hemolysis		H10	H30	H50	H100	H250						
	Mark													
Unit		RBC/ μ L												
Bilirubin	Color	N												
	Mark		0.5	0.7	1.0	2.0	3.0							
	Unit		mg/100mL											
Urobilinogen	Color	0.1(+)												
	Mark		0.3	1	2.5	4	6	8	10	12				
	Unit		mg/100mL											
Ketone	Color	N												
	Mark		5	8	10	30	50	70	100	150				
	Unit		mg/100mL											
Protein	Color	N												
	Mark		10	20	30	70	100	200	300	750	1000			
	Unit		mg/100mL											
Nitrite	Color	N												
	Mark		P_weak II	P_weak I	P_strong I	P_strong II								
	Unit		-											
Glucose	Color	N												
	Mark		100	180	250	370	500	750	1000	1500	2000 \pm			
	Unit		mg/100mL											
pH	Color	5.0												
	Mark		6.0	6.5	7.0	7.5	8.0	8.5	9.0					
	Unit		-											
S.G	Color	1.000												
	Mark		1.005	1.007	1.010	1.012	1.015	1.017	1.020	1.022	1.025	1.027	1.030	
	Unit		-											
Leukocyte	Color	N												
	Mark		10	25	50	75	120	160	200	350	500	1000		
	Unit		WBC/ μ L											

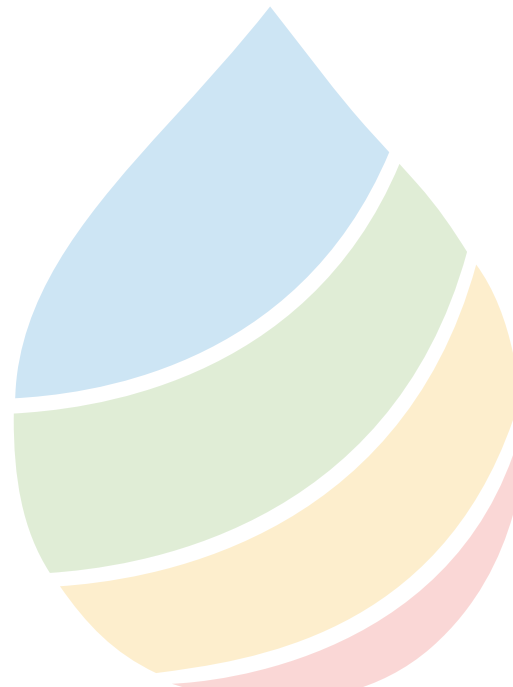
6-2. Insurance Classification Codes and Normal Reference Ranges by Test Type

Insurance Code	10-item Test	Normal Reference Ranges
D2253003	Blood	Negative(5RBCs/ μ l)
D2253003	Bilirubin	Negative(0.2mg/dL under)
D2253003	Urobilinogen	Negative \pm ~1+(0.1~1mg/dL under)
D2253003	Ketones	Negative(5mg/dL under)
D2253003	Protein	Negative(20mg/dL under)
D2253003	Nitrite	Negative(0.06mg/dL under)
D2253003	Glucose	Negative(30mg/dL under)
D2253003	pH	5~7
D2253003	S.G	1.005~1.030
D2253003	Leukocytes	Negative (10WBCs/ μ l)

Insurance Code	7-item Test	Normal Reference Ranges
D2252003	Blood	Negative(5RBCs/ μ l)
D2252003	Bilirubin	Negative(0.2mg/dL under)
D2252003	Urobilinogen	Negative \pm ~1+(0.1~1mg/dL under)
D2252003	Ketones	Negative(5mg/dL under)
D2252003	Protein	Negative(20mg/dL under)
D2252003	Glucose	Negative(30mg/dL under)
D2252003	pH	5~7

Insurance Code	4-item Test	Normal Reference Ranges
D2251003	Blood	Negative(5RBCs/ μ l)
D2251003	Protein	Negative(20mg/dL under)
D2251003	Glucose	Negative(30mg/dL under)
D2251003	pH	5~7

7. Product Warranty



Product Warranty Certificate

Product Name		Customer Information	Name	
Model Name			TEL	
Purchase Date		Purchase Information	Name	
Warranty Period			TEL	

This product has undergone strict quality control and passed a comprehensive inspection upon shipment. If a malfunction occurs during transportation or under normal use, the warranty will be provided in accordance with the information stated in the warranty, and this warranty will not be reissued. This warranty is valid only to the purchasing party.

For repairs, please present this warranty certificate to the dealer or A/S center where you purchased the product and request repairs.

- Within the warranty period, you will not be charged for service or parts in the following cases:
 - If there is a problem with the product itself during initial installation
 - If a malfunction occurs due to a manufacturing defect under normal operating conditions
- You will be charged for service and parts in the following cases:
 - If the warranty period has expired
 - In case of malfunction due to customer's careless handling (transportation, excessive operation, etc.)
 - In case of malfunction due to natural disasters such as fire, flood, abnormal voltage, etc.
 - If the product has been modified or repaired at a location other than the dealership where you purchased it or a designated A/S center
 - If the specified information is insufficient or the quality assurance certificate is lost.
- Warranty period: 1 year from the date of purchase

Customer Service 1644-2868



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