

Lumitester PD-30 & LuciPac Pen

Quick Manual

This Quick Manual is designed so that even beginners can have a quick understanding of the usage and convenience of Lumitester PD-30 and LuciPac Pen. For correct use and precautions of the reagents and instrument, refer the relevant manuals.

Kikkoman Biochemifa Company



For safe use

Warnings described below should be followed as shown.

Warning	
	When abnormality is observed, turn off the power immediately, and remove the batteries as soon as possible. Disconnect the USB cable if used, and then remove the batteries.
	When abnormality is observed such as malfunction, burning smell, fuming etc., there is a danger of fire and burst. Make sure that fumes are extinguished, and contact the dealer or us.
	Never repair the instrument by yourself, as this is very dangerous.
	Do not use chemicals that may generate flammable gas. Do not use the instrument in flammable gas atmospheres. This may cause of gas explosions.
	Do not modify, disassemble nor repair the instrument. Failure to do so may cause fire and burst.
	Do not store the instrument in a location where water or chemicals may penetrate the interior of the instrument. Failure to do so may cause fire and burst.
	The instrument is not water resistant. Do not expose the instrument to water or operate it with wet hands. Failure to do so may cause fire and burst.
	Remove the batteries when the instrument is to be stored for an extended period of time. Failure to do so may cause liquid leak and burst.

4 Preparation for Swab Test

1 LuciPac Pen

Take out the LuciPac Pen from the refrigerator (2 to 8°C). Allow the LuciPac Pen to stand at room temperature.

Caution

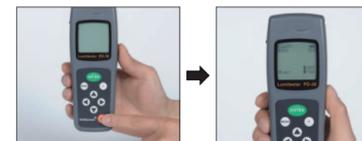
- Do not use cold LuciPac Pen. Failure to do so may result in lower measured value.



2 Lumitester PD-30

Lumitester PD-30 operates on two AA alkaline batteries or two charged two AA nickel-hydrate batteries.

- Press POWER key.
- The instrument will be ready for measurement after countdown.



5 Performing the Swab Test

- Remove the cotton swab stick (orange holder) from the main tube. Then, moisten the tip of the cotton swab with tap water.



- Performing the Swab Test.



Caution

- If a disinfectant such as alcohol remains on the surface swabbed, it may interfere with the measurement. In this case, clean the surface with water or remove the disinfectant with paper towels before swabbing the surface.

6 Procedure after Measurement

1 Lumitester PD-30

- Remove the LuciPac Pen tube after measurement.
- Press POWER key to turn off the power.

- When the instrument has not been operated for 10 minutes, the power is automatically turned off.
- When the LuciPac Pen tube is not removed from the measurement chamber, the buzzer sounds.

2 Used LuciPac Pen tube

Conform to disposal regulations defined by your local government when disposing of the LuciPac Pen.



7 Other Functions

To use these functions, refer the Lumitester PD-30 Instruction Manual.

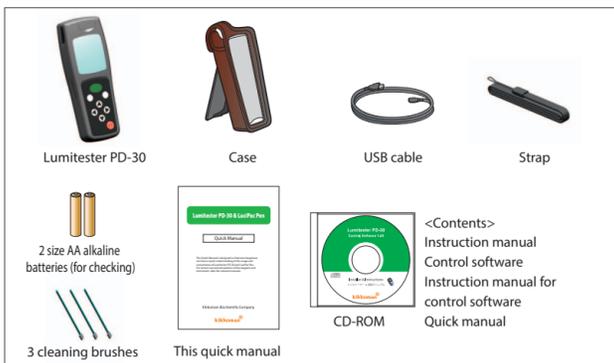
Temperature Compensation Setting

The reagent has a characteristic in which luminescence varies depending on the temperature. The temperature compensation is a function that corrects the temperature characteristic of the reagent by measuring the temperature of the instrument. The temperature compensation is OFF by default. The range of the temperature compensation is +10 to +40°C.

Self-check

Keep the measurement chamber clean. Failure to do so may cause poor precision for measurements. The self-diagnosis is a function to confirm the degree of contamination in the measurement chamber.

1 List of contents



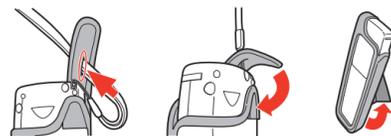
3 Setup

How to insert batteries

- Remove the battery cover on the back of the instrument.
- Insert two new size AA alkaline batteries or two charged size AA nickel-hydrate batteries, paying attention to polarities.
- Replace the battery cover.

How to use the case

- Thread the strap through the hole on the case flap. Then fix the case flap.
- Pull the stand at the back of the case and stand it.

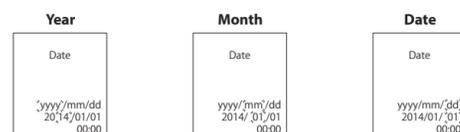


Date/Time Set

- During standby state, press F key.
- Press keys to make "Date" blink.
- Press ENTER key. Then Date format blinks.
- Select a date format using keys, and then press ENTER key.

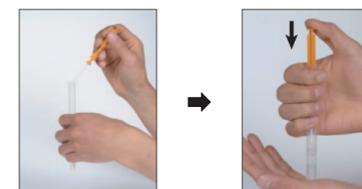


- Set the date and time using keys. Then press ENTER key. To cancel Date/Time Set and return to the standby state, press F key.

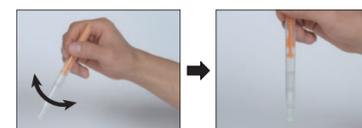


- Press F key to return to the standby state.

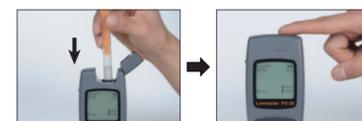
- Put the swab stick back into the main tube. And then put the tip of the tube on your hand and push the swab stick downwards to break the capsule in the tube.



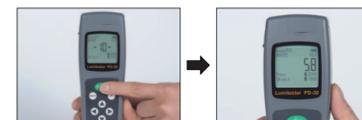
- Shake the whole LuciPac Pen tube repeatedly so that all remaining liquid in the capsule falls into the reaction tube and dissolves the reagent in the tube.



- Insert the whole LuciPac Pen tube into the measurement chamber of the Lumitester PD-30. And close the measurement chamber cover.



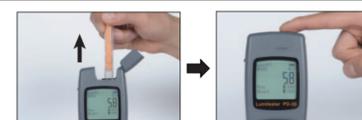
- Press ENTER key on the operation panel to start the measurement. The measurement result is displayed after countdown.



Caution

- Perform measurement with upright position. Keep the instrument still during measurement.

- Remove the LuciPac Pen tube from the measurement chamber after measurement.



Caution

- Be sure to remove the LuciPac Pen after measurement.
- In case of large variations in temperature, allow an interval of 10 seconds or longer before starting the next measurement.

8 After-sales Service

Warranty

Period of warranty of LUMITESTER is one year from the date of purchase, except that it is two years from the date of purchase in member states of EU where EU Directive 1999/44/EC is in effect. When failure occurred to this device during the warranty period, we will carry out either of charge-free repair or exchange with the replacement. However, the object of the warranty is limited to failure arise from any defect in the material of this device or manufacturing.

In addition, the following matters are not included in the object of the warranty.

- The contents of record lost by the cases that the memory data or setting data is not indicated or not loaded to PC regardless of the existence of failure.
- Any failure or damage, or any other loss occurred arise from operation or use against description of this instruction manual, carelessness in use, modify or change or any other remodeling of this device, or Force Majeure (including, without limitation to act of providence).

The scope of indemnification for failure of this device is limited to indemnification provided by this warranty section and indemnification of any other loss or damage including, without limitation to indirect or special loss or damage, is not included in the scope of indemnification.

Specifications are subject to change without notice.

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