



**CAUTION !**

Please make sure to read the precautions and instructions in this Instruction Manual before attempting to use the product and exercise extreme caution when using it.

LuciSwab ES 2.0-2.2, LuciSwab ES 2.8-3.2 and LuciSwab ES 3.7-4.2 are the sampling device which are exclusive use endoscope cleaning verification using LuciPac A3 Surface, LuciPac A3 Water, LuciPac Pen and LuciPac Pen-AQUA.

**[Applications]**

This long stem swab (length:2.5 m) is suitable for swabbing inside of the channels of medical endoscopes, which have not accessible by LuciPac and/or other ATP swab test kits.

Code	Product Name	Channel diameter of the endoscope
60355	LuciSwab ES 2.0-2.2	2.0 mm ~ 2.2 mm
60356	LuciSwab ES 2.8-3.2	2.8 mm ~ 3.2 mm
60357	LuciSwab ES 3.7-4.2	3.7 mm ~ 4.2 mm

**[Contents]**

This product contains a total of 40 individually-packed LuciSwab ES.

**[Precautions for Use]**

Please make sure to follow the precaution listed below in order to obtain optimal performance from this product.

- ①Store this product at room temperature.
- ②Use either LuciSwab ES 2.0-2.2, LuciSwab ES 2.8-3.2 or LuciSwab ES 3.7-4.2 according to the inner diameter of the endoscope channel.
- ③This product is non-sterilized. Use it to confirm the level of cleanliness after manual cleaning or machine cleaning (before alcohol flushing).
- ④Use this product according to the operational procedures. Do not insert it through the distal tip of an endoscope, or pull it through the channel tip of an endoscope after insertion.
- ⑤Do not touch the swab before use as this may affect the cleanliness level.
- ⑥This is a single-use product and it should not be reused.

**[Designated Product and kit for Measurement]**

Designated Product: Lumitester Smart, Lumitester PD-30, Lumitester PD-20

Designated kit: LuciPac A3 Surface, LuciPac A3 Water, LuciPac Pen, LuciPac Pen-AQUA  
(Manufacturer: Kikkoman Biochemifa Company)

\*Be sure to use only designated products and kit when taking measurements.

**[Disposal Methods]**

This product can be disposed of as regular garbage, but when disposing of it, it would be better to separate the parts and dispose of each one properly in accordance with the local regulations outlined by the local governments for proper disposal of waste materials. Moreover, when the product was used to test medical devices, dispose it as clinical waste if needed.

The main materials and parts used in this product are listed below. No PVC materials are used in the making of the plastics in this kit.

Structural parts	Raw materials
Stem	Polyethylene terephthalate
Swab	Polyethylene terephthalate
Individual package	Polyethylene
Outer box	Paper

**[Precautions for Handling]**

Please take note of the following points in order to use this product safely.

- ① The tip of this product is very fine, and it may cause unexpected injuries or accidents. Wear gloves and protective glasses, and be cautious when, handling or disposing of the product so as not to injure the hands, fingers, or eyes, etc.
- ② Please make sure to store this product and its parts out of the reach of young children.

**[Warranty]**

Kikkoman Biochemifa Company warrants the products to have a certain level of quality. This warranty guarantees that Kikkoman Biochemifa Company shall replace defective products should any be found. This warranty does not provide any other guarantees. Kikkoman Biochemifa Company shall not be liable for any damages, including special or consequential damages, or expenses arising directly or indirectly from the use of this product.

Symbols used in the packaging and labeling of this product	
	Symbol for "Caution or Attention" for use.
	Symbol for "Lot Number". This symbol shall be adjacent to the manufacturer's lot number. (e.g. 19YE12018)
	Symbol for "Consult Instructions Manual".

"LuciPac" and "Lumitester" are registered trademarks of Kikkoman Corporation in Japan and other countries.

"LuciSwab" is a registered trademark of Kikkoman Corporation in Japan.

Manufactured for

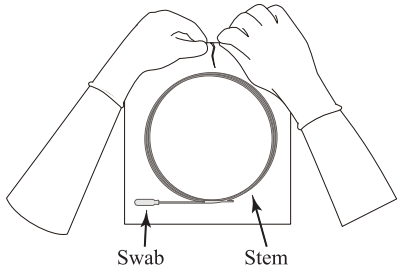
**Kikkoman Biochemifa Company**

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Phone: +81 3 5521 5481 / Fax: +81 3 5521 5498  
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URL: http://biochemifa.kikkoman.co.jp/e/

**[Measurement Methods]** Note: Please use all LuciPac devices in the same way.

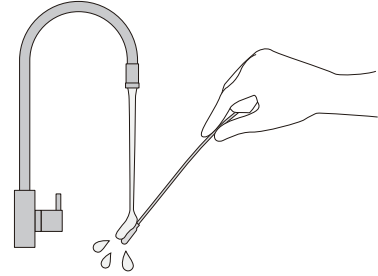
Leave "LuciPac" at room temperature until they have reached room temperature.

1



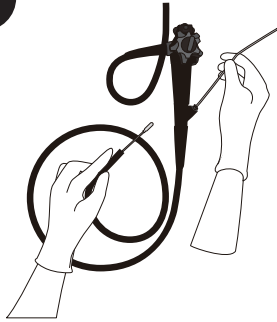
Put on powder free gloves, and cut the bag vertically from the notch. Open the top of the individual packaging (small side) and take out the product while ensuring that the swab tip does not touch anything.

2



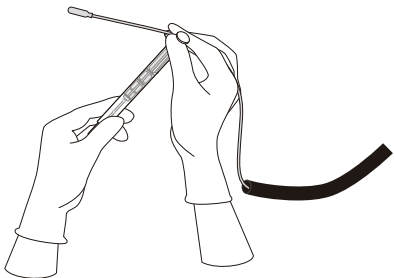
If the inner channel of the endoscope is still moist after being washed, this product can be used immediately. If the inner channel of the endoscope is dry, moisten the swab with tap water, etc. Do not use a physiological salt solution.

3



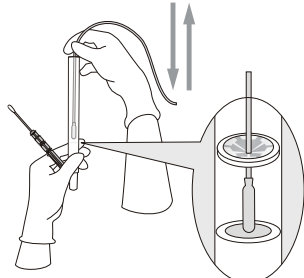
While being careful to prevent the swab from touching other things, insert the swab from the channel tip of endoscope and push the stem until the swab comes out from the distal tip of endoscope. (Do not pull it through the channel tip of an endoscope after insertion. Be careful so that the swab does not touch other things, such as hands and sink as this may affect the cleanliness level.)

4



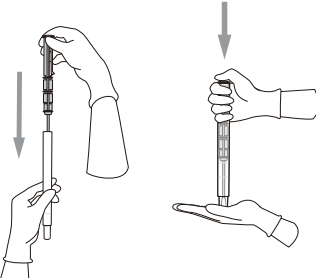
Hold the stem at 12 or 13 cm from the swab, and remove the sampling stick from the main body (casing) of the LuciPac with your free fingers. Handle the sampling stick with care so as to not touch the swab of the LuciPac, as this may affect the cleanliness level.

5



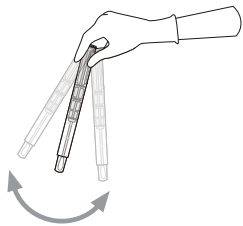
Insert the swab into the main body (casing) of the LuciPac to push and break the center of the upper seal of the container. Be careful not to break bottom seal of the container for releasing reagent. Remove the swab after thoroughly washing the swab in the releasing reagent. Pull the stem out completely from the distal tip of the endoscope after the use.

6



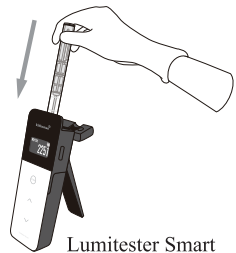
Return the sampling stick into the main body (casing) and push it through all the way by putting the tip of the test tube on the palm of a hand or on a table. (Be careful not to get fingers caught when pushing it.)

7



Hold the LuciPac casing firmly and shake it. Allow leftover luminescent reagent to thoroughly dissolve.

8



Insert the LuciPac into the Lumitester. Then, close the Lumitester measurement chamber cover.  
\*Lumitester PD-30 and Lumitester PD-20 are also available for the measurements.

9



Press the START key. Measurement result is displayed after countdown.  
\*Please refer to the instruction manual of LuciPac for data handling.