

Can you say it is "clean" with confidence?

kikkoman 

Anyone can measure invisible contamination anywhere and anytime in only 10 seconds.

ATP *plus AMP* surface hygiene monitoring Lumitester PD-20 and LuciPac Pen



**New
and
Improved**



LuciPac Pen (100 swabs)

*LuciPac Pen is exclusively used for Lumitester PD-20

Lumitester PD-20

**Small-size
and
Lightweight**

World's smallest and weighs only 235 g

(battery not included)

**Simple
and
Speedy**

**"Swab and measure. That's all."
Measuring time is only 10 seconds.**

**Super high
sensitivity**

**Measures both ATP and AMP (US Patent No. 5891659).
Detects a still wider range of contamination.**

- Best suited for cleanliness control of manufacturing sites, and cleanliness control and hygiene training of kitchens
- Defective cleaning is judged on site. Prevent accidents by re-cleaning.

*ATP (adenosine triphosphate) is the substance contained in microorganisms and food residues and is used as an indicator of biological contamination.
*AMP (adenosine monophosphate) is the substance generated from ATP changed by heating and fermentation.

Let's achieve zero food-poisoning-accident by cleanliness control and increased awareness of employees for hygiene.

- ATP surface hygiene monitoring method is described in Guidelines for Food Hygiene Inspection, Chapter of microorganisms 2004 (supervised by Japan's Ministry of Health, Labour, and Welfare).
- ATP surface hygiene monitoring is the first step to HACCP.

At restaurants and feeding service facilities

Prevent cross contamination by cleanliness control.

- Defective cleaning is judged on site. Prevent accident by re-cleaning.
- By controlling measurement results by numerical values, the cleanliness level can be compared by stores and by sites.



At food factories

Is the washing evaluation of manufacturing lines satisfactory?

- The system displays its great capabilities not only in routine washing evaluation but also identification of contaminated portions in time of emergency.
- Being dry swabs, water sampling is enabled.



For hygiene training

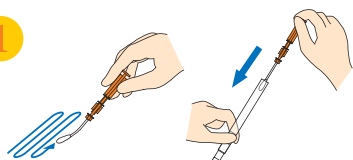
Hygiene training is the basics of basics.

- Measurement results are obtained on site. The system exhibits outstanding persuasive power as a hygiene training tool.



How to use

1



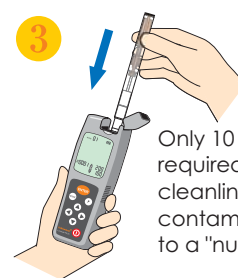
Moisten the swab, swab the object to be tested with the swab stick, put the swab stick back into the main body, and push once.

2



Shake off the extraction liquid and allow it to react with the reagent.

3



Only 10 seconds are required to measure the cleanliness. Invisible contamination changes to a "numerical value."

Lumitester PD-20 (Product code: 60435)	
Measuring time	10 seconds
Data output	Relative Light Unit
Data memory	2000 data
Power supply	AA alkali battery x 2 or AA nickel metal-hydride battery x 2
Size/weight	65x175x32 mm/about 235 g (battery not included)
Accessories	AA alkali battery x 2, cleaning brush, stand, USB cable, strap, quick manual, CD-ROM

LuciPac Pen (100 swabs) (Product code: 50331)	
Product form	Swabs, ATP extracting reagent, integral type inspection reagent including luminescent reagent
Package/packing	One aluminum bag containing 20 swabs and five bags make 1 kit (a total of 100 swabs)
Storage conditions	2-8°C Do not freeze.

*LuciPac Pen is a reagent dedicated for Lumitester PD-20. It is not used for conventional products.

*LuciPac Pen 40 containing 40 swabs (Product Code: 60333) is also available.

*Measured values are same as conventional Lumitester PD-10(N) & LuciPac W.

<Precaution> *Do not use this product for other than intended use of cleanliness inspection. *This product is not used for general viable cell count or detection of specific pathogenic bacteria, etc., for which please take care.

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