

## Lumitester SMART with the LuciPac™ A3 Pens

### Real-Time Hygiene Measurement in Seconds.

The Lumitester SMART with the LuciPac™ A3 Pens allows rapid detection of food and microbiological residues on all product contact surfaces (A3 Surface) and liquids (A3 Water) to check the effectiveness of cleaning and disinfection. Measures ATP, ADP and AMP for Increased sensitivity.

The portable Lumitester SMART carries out quantitative detection of intra- and extracellular adenosine triphosphate (ATP) as well as adenosine monophosphate (AMP) and adenosine diphosphate (ADP).

The energy stored within the ATP molecule is released as light, by splitting of ATP to AMP, which is quantitatively recorded in the luminometer and correlates with the amount of ATP. The reaction is enzyme-induced (luciferase) and is based on the well-known firefly principle:

Luciferin + luciferase + ATP (Luciferin-luciferase-AMP) + pyrophosphate  
(Luciferin-luciferase-AMP) oxyluciferin + luciferase + CO<sub>2</sub> + AMP+ light

Due to the AMP recycling system, integrated into the reaction by means of pyruvate-phosphate dikinase (PPDK), the considerably more stable AMP can also be detected on the surfaces in addition to ATP, which leads to an overall increase in the sensitivity of the cleaning control.

- AOAC Approval (PTM Certificate No. 051901) for LuciPac™ A3 Surface
- Lightweight and easy-to-use
- Fast and easy handling
- Highly sensitive, precise measurement of ATP, ADP and AMP
- Auto-calibration
- Definition of own limit values is possible
- Storage of the measurement results in the cloud
- Date and time internal to the device
- Lumitester SMART is not suitable for the detection of virus contamination

**Up to  
15% Off**



[Video: ATP Test quick manual with Lumitester Smart](#)

Description	Code	Price	Sale
Lumitester Smart ATP+ADP+AMP Luminometer for Hygiene Monitoring	RBIOZSMART	\$2,996	\$2,600
Lucipac Pen A3 Surface for Lumitester Smart, 100 tests	RBIOZLP1003667	\$550	\$470
Lucipac Pen A3 Water for Lumitester Smart, 100 tests	RBIOZLA1003672	\$605	\$520

Contact us for more information  
and to place your orders

#### Bio-Strategy Ltd.

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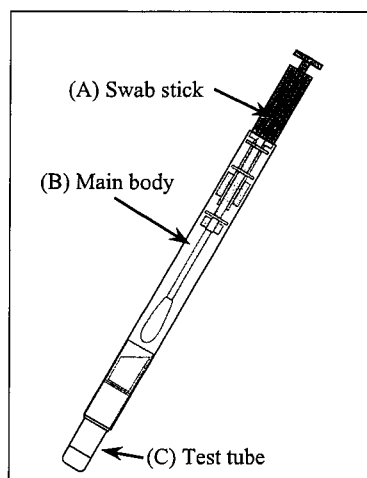
VALID UNTIL:  
30 September 2022

Ref. Code:  
RBIO-SMART

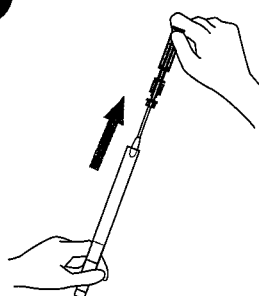
Prices and discounts may be subject to change and only available while stocks last. Not valid with any other special offer or discounts and cannot be applied in retrospect. All prices in NZD excluding GST and local delivery charges. Products advertised may be for research use only (RUO) or in vitro diagnostic use (IVD). Please refer to manufacturer's product insert for further information. For product use outside of that specified on the manufacturer's labelling and/or instructions for use, Bio-Strategy does not take responsibility.

[Direction for LuciPac A3 Surface]

<Leave "LuciPac at room temperature (see Table 2) until they have reached room temperature.>

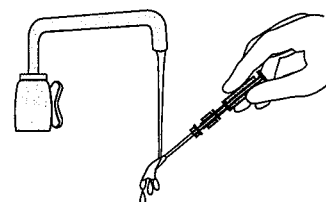


1



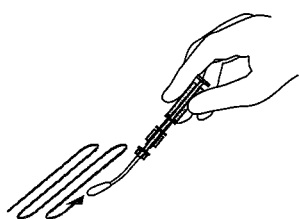
Pull the cotton swab stick (A) out of the main body (B).

2



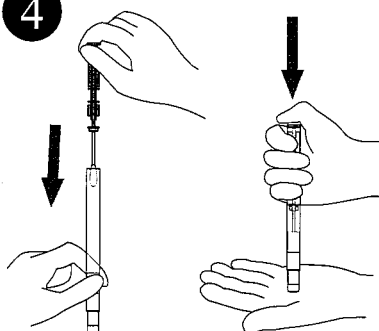
When the test object is dry, moisten the swab (A) with tap water\*4) or wet the object with water\*4)

3



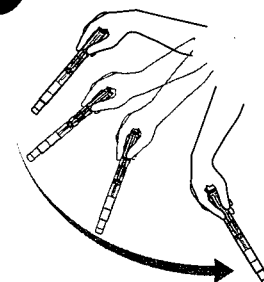
Swab the test object with the swab stick (A).

4



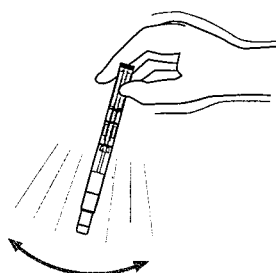
Put the swab stick (A) back to the main body (B) and push it through all the way by putting the tip of the test tube (C) on a palm of hand or table. (Be careful not to get fingers caught when pushing it.)

5



Shake the whole body of the LuciPac a few times so that the liquid in the capsule falls into the test tube (C).

6



Gently shake the whole body of the LuciPac so that the luminescent reagent is entirely dissolved.

7



Insert the whole body of the LuciPac into the measurement chamber of Lumitester. And close the chamber cover.

8



Press the "ENTER" key. Results are obtained in 10 seconds.

\*4) If the luminescence level of tap water shows high, we recommend you to let the water flow a few minutes and/or clean up the outlet of tap.