



MC200 ATP Hygiene Monitor



Convenient



Fast



Sensitive



Principle:

The design of FSTest ATP Fluorescence Detector is based on the principle of firefly luminescence, in which the luciferase-fluorescein system can be made use for rapid detection of adenosine triphosphate (ATP). The detector can release ATP from living microorganism by lysing the cell wall, and then the free ATP binds to the fluorescence under the action of luciferase to produce luminescence, and the fluorescence intensity of the substance is proportional to the number of microorganisms on the sample. Thus, hygiene can be evaluated by measuring the intensity of the fluorescence signals.

Performance characteristics:

Easy to carry:

Satisfy the requirements from varied detection environments.

High accuracy:

Limit of detection is 1×10^{-16} mol ATP

Rapid detection:

Complete the detection in 10 seconds.

Data transmission:

USB and Bluetooth

Humanized design:

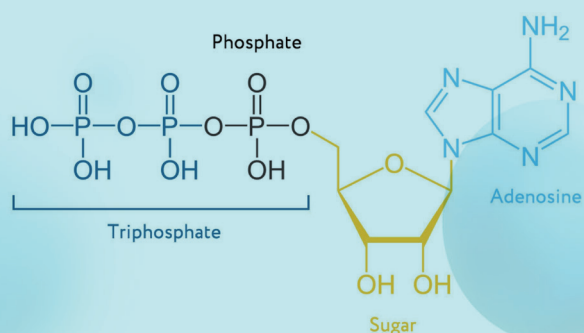
Double operation modes (touch or key). Unqualified results are prompt automatically.

Low energy consumption:

Built-in lithium battery, sustainable for 16 hours, standby for more than 1200 hours.

Automatic calibration:

Equipped with automatic calibration light source and temperature detection system, adapt to the change of detection environment automatically.



Industries:

Intended to rapidly detect hygiene in food processing, catering, health care, hotels, and other industries.



Instrument Parameters:



Cat No.: MC31.3165.5

Dimension: 19.4cm (L) x9.7cm (W) x3.3cm (H)

Net Weight: 350g

Screen: 3.5-inch

Initializing time: 15s or 30s

Testing Time: 10s

Detection Range: 0~999999 RLU

Precision: 1×10^{-16} mol ATP

Detection Error: $\pm 5\%$ or ± 5 RLU

Wireless Communication: Wi-Fi, Bluetooth and USB

Storage Volume: More than 20000 Results

Battery: 3.7V Li-ion, rechargeable

Power: 5200 mAh

Power Supply: 5V/2A, USB/TYPER-C



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