MC200

ATP Hygiene Monitor



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.

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.

The advantages of FSTest ATP VS Other Brands' ATP are as follows:

No.	Items	FSTest ATP	Other Brands' ATP
1	Input ways	Capacitive touch screen (MC200), better operation experience	Most devices are operated through button controls
2	Easy to clean	Featuring a detachable detection chamber that users can disassemble for cleaning	Certain competing products feature non-detachable detetion chaber. which canot be cleaned and may lead to inaccurate test results
3	Simplified Interface	More intelligent, direct selection the sample type and test sample (including judgment standards) by clicking on the touch screen	More complicated, need to return to the home-page to retrieve the sample type and test sample (including judgment standards)
4	Personal Response	Adjustment of the sample judgment range by user according to the actual situation, convenient for customers who want establish their own standards	Users cannot adjust the judgment range and need to return the device to the manufacturer for updates
5	Measure Range	0-999999 RLUs	0-9999 RLUs or 0-999999 RLUs
6	Sensitivities Level	1×10^{-16} mol ATP	1×10^{-15} mol ATP or 1×10^{-16} mol ATP

Instrument Parameters:



- Cat No.: 50200
- 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 RLUs
- Precision: 1×10^{-16} mol ATP
- Detection Error: ±5% or ±5 RLUs
- Wireless Communication: Wifi, Bluetooth and USB
- Storage Volume: More than 20000 Results
- Battery: 5200 mAh , Li-ion, rechargeable
- Power Supply: 5V/2A, USB/ TYPE-C

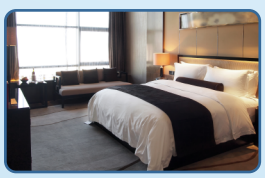


FSTest™ ATP Swab-QuickTest(Cat No.: 22101) — Instant surface cleanliness check! Quickly identify hidden organic residues and microbial contamination through ATP testing. Pair with the FSTest™ ATP Hygiene Monitor for clear, immediate results.

Industries:

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




FSTest Co., Ltd.

3rd F, Building A2, No.11, Kaiyuan Avenue, Guangzhou, China 510530

service@fstestcorp.com

www. fstestcorp.com

Dayuan & Oasis FoodTech Ltd.

Official Website