

Point-Of-Care-Test (POCT) System

---Time-Resolved Fluorescence Immunochromatography

Product Features

※ **More Sensitive**

※ **More Stability**

※ **More Simple**

Time-Resolved Fluorescence (TRF) is a kind of isotope optical markers.

Compared with ordinary Fluorescence, it has a bigger Stock displacement and longer life.

It can effectively avoid the background fluorescence in the samples, and the influence of light and stray light, so compared to common fluorescence it has higher sensitivity and anti-interference ability.

Product Advantages

Convenient: It can be detected with trace peripheral blood, serum, plasma.

Quantitative: The directional marker fluorescence microsphere is fully

quantified.

Reliable: It can be traced back to the Certified Reference material.

Accuracy: $\geq \pm 15\%$

Measuring Range: $R \geq 0.97$

Precision: $CV \leq 10\%$

Stability: $\sigma \leq \pm 8\%$

Quality control: Independent quality control mode with Curve



POCT Device

Product Specifications

Technical Data

Screen	7 inch color touch screen
Communication Interface	Serial, Ethernet, USB, Mini USB, Micro SD card
Printing	Built-in embedded thermal printer or connect with external printers
LIS Communication	Two-way communication
Data Transfer	Wireless transmission can be added soon
Reader	ID Card
Result Output	U Disk, LIS or Printer
Memory	100000 tests
Test Mode	Quick Test Mode and Standard Test Mode
Result time	To get results in 10s under Quick Test Mode
Software	PC Side
Dimension (L*W*H)	265*230*140 mm
Weight	2.0kgs

Sample Material

Sample Type	Serum / Plasma / Whole blood
Sample Volume	≤ 200 ul

Operation Condition

Temperature Range	10 to 40 °C
Relative Humidity	10-80% (no condensation)
Maximum Altitude	3,000 m

Storage Condition

Temperature Range	-10 to 60 °C
Relative Humidity	10-80% (no condensation)

Test Procedure:



Step 1: Take the sample from the tube.



Step 2: Add sample to buffer tube, and mix them.



Step 3: Take the mixed sample from buffer tube.



Step 4: Add sample on the strip.



Step 8: The strip and disposable needles are treated as biohazard waste.



Step 7: Exit the strip and print the results automatically.



Step 6: The device automatically completes the scan detection based on selected mode.



Step 5: Place the strip flat and wait for 15 min of reaction.
A: Quick Test Mode: Insert strip to the device and click "Quick Test".
B: Standard Test Mode: Insert the strip to the device and click "Std Test".