



# Fluorescence Immunochromatography Analyzer (EXR 110)

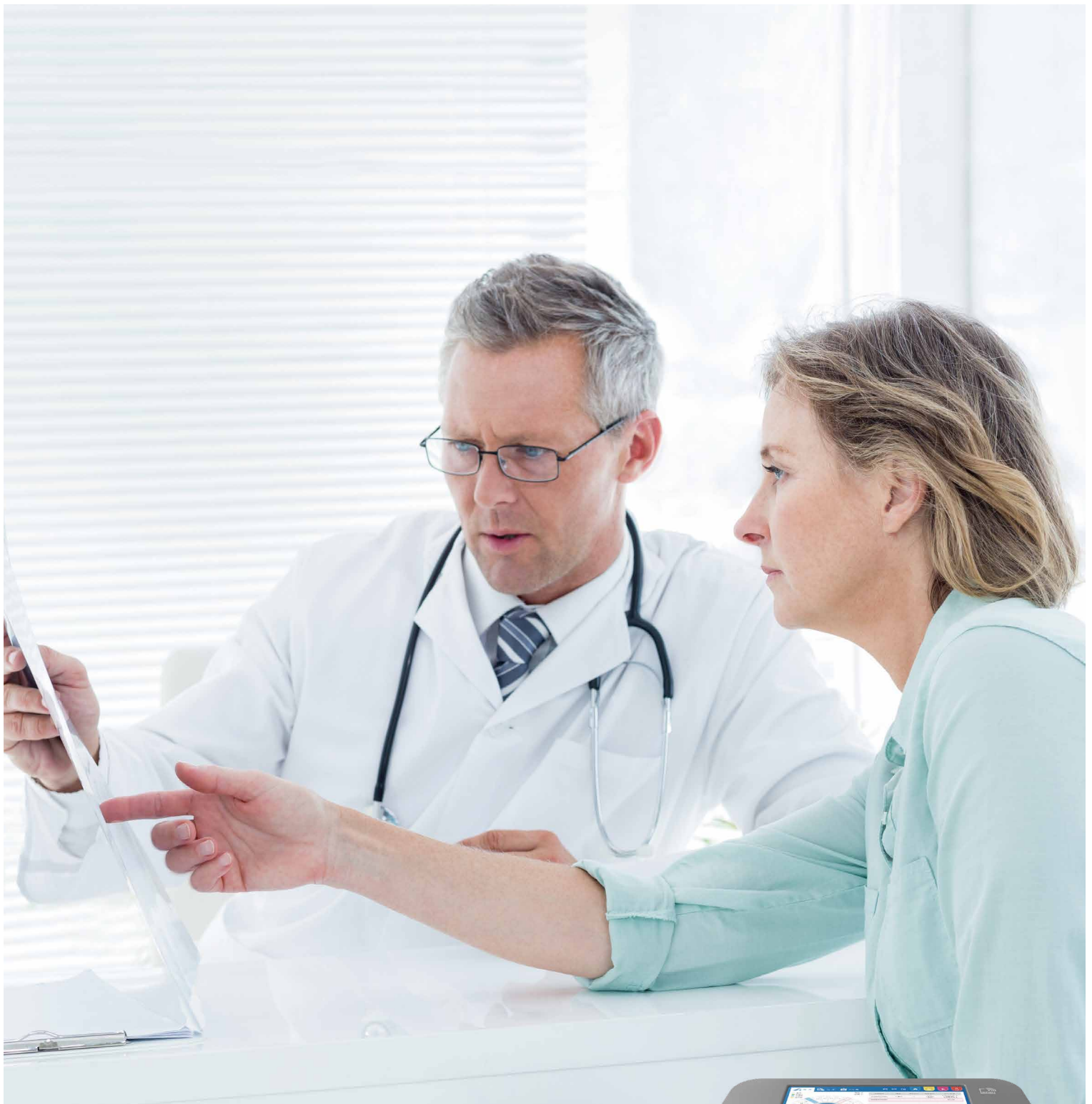
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Small but efficient

CE NMPA



POCT

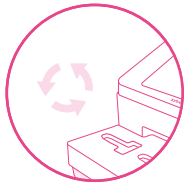


## Fluorescence Immunochromatography Analyzer (EXR 110)

EXR 110 is quantitative POCT analyzer based on immunoassay fluorescence technology that integrates operations, analysis, and result display. It can automatically complete a series of operations includes test card loading, item identification, incubation, detection, card discarding and results print within 15minutes. So EXR 110 is designed to provide diagnostic results quickly and easily.



# Structure and Features



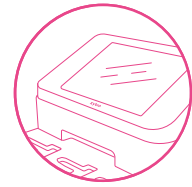
## Automatic test module

- Automatically recognize item information
- Temperature stable incubator
- Advanced rare earth element fluorescent microsphere labeling technology



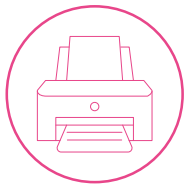
## Appearance

- Dimension: 275mm\*250mm\*186mm
- Weight: 3.4 Kg



## Display

- 8-inch colorful touch screen intuitive software interface
- Real-time monitoring
- Intuitive and easy-to-use user interface



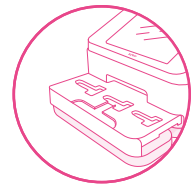
## Printer

- Real-time printing with built-in thermal printer
- External printer is available as well



## Connection

- Result transmission with LIS via wired network/WIFI



## Test channel

- Up to 3 different items one time
- Multi-test function
- Time to result within 3-15 mins

# Parameters

Principle	Fluorescence Immunochromatography Method	Operation System	Linux
Channel	3	Display	8 inch
Test Time	3-15mins	Test Mode	Standard / Quick Mode
Sample Type	Whole Blood/ Plasma/ Serum	Card Reading	RFID Card
Incubation Temperature	26°C	Storage Capacity	29000 tests
Data Transmission	Wired Network/ WIFI	Software Update	By USB or Internet
Power Supply	100-240V AC, 50/60Hz, 1.4-0.7A	Relative Humidity	20%-85%
Temperature	10-30°C	Dimension	275mm*250mm*186mm
		Weight	3.4 Kg

## Technical Advantage

EXR 110 label antigen or antibody with rare earth element, which effectively eliminates non-specific fluorescence interference and improves analysis sensitivity.

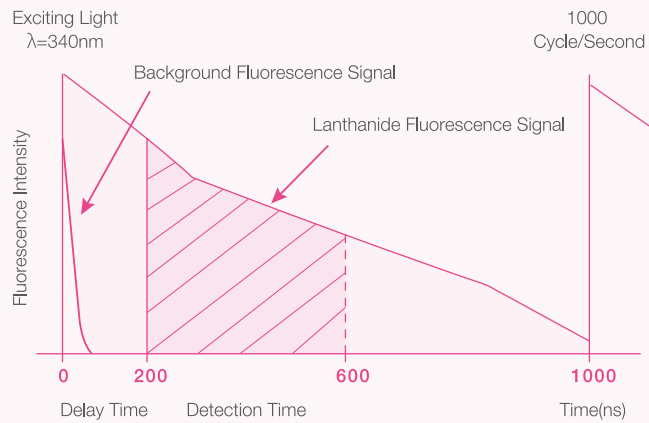
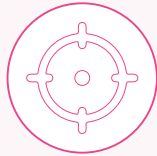


Figure 1: Fluorescence signal decay time comparison

## Benefits



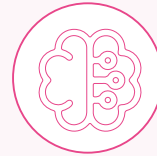
Fast



Accurate



Convenient



Intelligent



Portable

## Application Scenarios



Medium  
/Small Laboratory



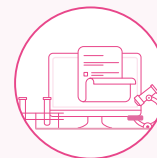
Clinics



Emergency  
Department



ICU



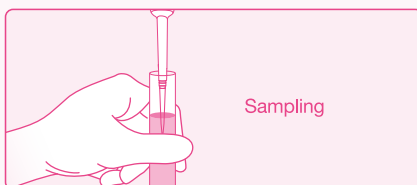
Clinical  
Department



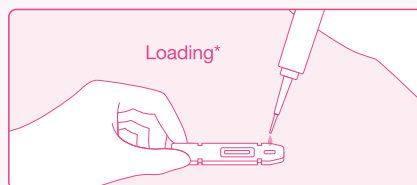
Ambulance

## Operation Procedure

### Step 1



### • Step 2



### • Step 3



\*Some items need to be diluted, refer to specific item IFU

# Test Menu

Test Type	Items	Operation	Sample Volume	Loading Volume	Reaction Time	Detection Range	Reference Range	Qualification
	cTnT	One-step	WB: 100 µL Serum/Plasma:60 µL		10 min	0.01~10.00 ng/mL	<0.04 ng/mL	CE NMPA
	cTnI	One-step	WB:100µL Serum/Plasma:70µL		15 mins	0.10~50.00 ng/mL	<0.1 ng/mL, low risk of myocardial infarction 0.1-0.3 ng/mL, myocardial damage may occur 0.3-0.5 ng/mL, myocardial infarction may occur ≥0.5 ng/mL,high risk of myocardial infarction	CE NMPA
<b>Cardiac</b>								
	cTnT/CK-MB/Myo	One-step			10 min	cTnT: 0.01~10.00 ng/mL CK-MB: 1~80 ng/mL Myo: 5~500 ng/mL	cTnT<0.04 ng/mL CK-MB<5 ng/mL Myo<72 ng/mL	CE NMPA
	NT-proBNP	One-step	WB: 100 µL Serum/Plasma:60 µL		10 min	100~30000 pg/mL	Age<75: <125 pg/mL Age>75: <450 pg/mL	CE NMPA
	D-Dimer	One-step			5 min	0.2~20 µg/mL	<0.5 µg/mL	CE NMPA
	PCT	One-step	WB: 100 µL Serum/Plasma:60 µL		10 min	0.1~100.0 ng/mL	<0.5 ng/mL	CE NMPA
<b>Inflammation</b>								
	CRP	Two-step	WB/Serum/ Plasma: 5 µL	60 µL	3 min	0.5~200 µg/mL	hs-CRP<1µg/mL CRP<10 µg/mL	CE NMPA
	SAA	Two-step				3~200 µg/mL	<10 µg/mL	CE NMPA
	IL-6	One-step	WB: 100 µL Serum/Plasma:70 µL		15 min	5~4000 pg/mL	<7 pg/mL	CE NMPA
<b>Diabetes</b>	HbA1c	Two-step	WB: 5 µL	70 µL	5 min	4.0~14.0%	4.0~6.0%	CE NMPA
<b>Vitamin</b>	25-OH-VD	Two-step	70 µL	70 µL	15 mins	5.0~120.0 ng/mL	≥30 ng/mL	CE NMPA
	T3	Two-step	70 µL	70 µL	15 mins	0.5-10.0 nmol/L	1.23 nmol/L-3.07 nmol/L	CE NMPA
<b>Thyroid Function</b>	T4	Two-step	70 µL	70 µL	15 mins	12.87-310.0 nmol/L	66-181 nmol/L	CE NMPA
	TSH	One-step	WB :100 µL Serum/Plasma :70 µL		15 mins	0.1-100.0mIU/L	0.3mIU/L-4.2 mIU/L	CE NMPA
<b>SARS-CoV-2</b>	Neutralizing Antibody	One-step	WB: 100 µL Serum/Plasma:60 µL		10 min	0.03~10 U/mL	<0.3 U/mL	CE
	Antibody	One-step	WB: 100 µL Serum/Plasma:60 µL		10 min	Qualitative	Qualitative	CE

\*Coming soon: cTnI/CK-MB/Myo, BNP



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