



Fluorescence Immunochromatography Analyzer (EXR 110)

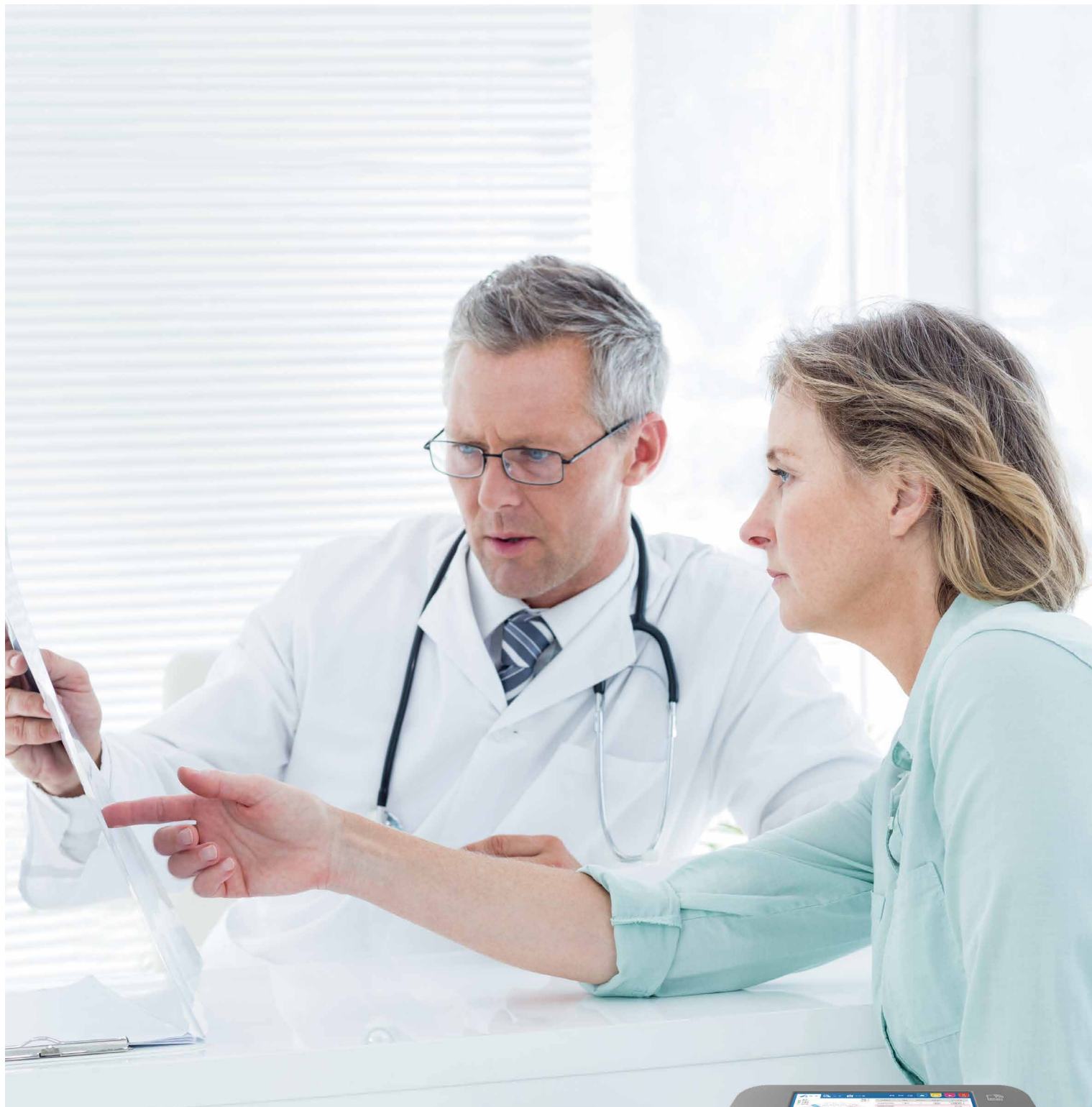
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Small but efficient

CE NMPA



POCT

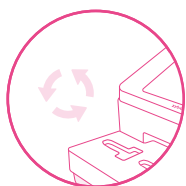


Fluorescence Immunochromatography Analyzer (EXR 110)

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



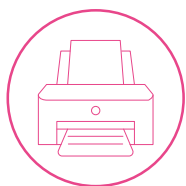
Appearance

- 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



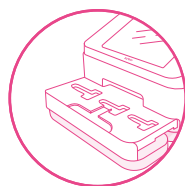
Printer

- 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
Channel	3
Test Time	3-15mins
Sample Type	Whole Blood/ Plasma/ Serum
Incubation Temperature	26°C
Data Transmission	Wired Network/ WIFI
Power Supply	100-240V AC, 50/60Hz, 1.4-0.7A
Temperature	10-30°C

Operation System	Linux
Display	8 inch
Test Mode	Standard / Quick Mode
Card Reading	RFID Card
Storage Capacity	29000 tests
Software Update	By USB or Internet
Relative Humidity	20%-85%
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.

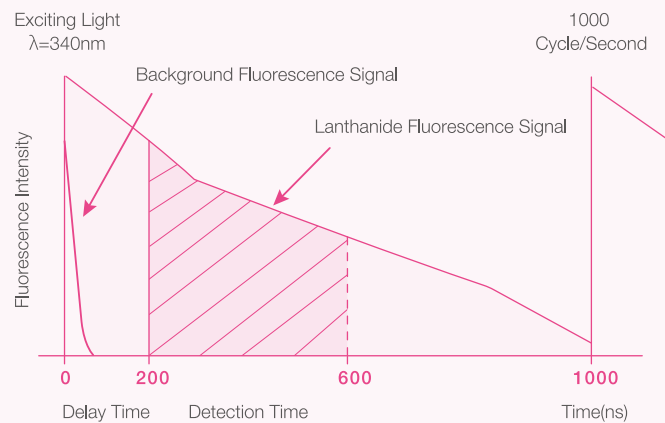
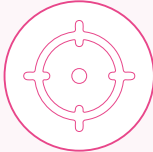


Figure 1: Fluorescence signal decay time comparison

Benefits



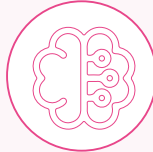
Fast



Accurate



Convenient



Intelligent



Portable

Application Scenarios



Medium /Small Laboratory



Clinics



Emergency Department



ICU



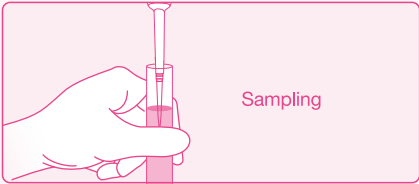
Clinical Department



Ambulance

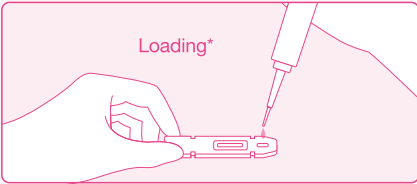
Operation Procedure

Step 1



Sampling

• Step 2



Loading*

• Step 3



Reading

*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	Qualitification
Cardiac	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
	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
Inflammation	PCT	One-step	WB: 100 µL Serum/Plasma:60 µL		10 min	0.1~100.0 ng/mL	<0.5 ng/mL	CE NMPA
	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
Diabetes	HbA1c	Two-step	WB: 5 µL	70 µL	5 min	4.0~14.0%	4.0~6.0%	CE NMPA
Vitamin	25-OH-VD	Two-step	70 µL	70 µL	15 mins	5.0~120.0 ng/mL	≥30 ng/mL	CE NMPA
Thyroid Function	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
	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
SARS-CoV-2	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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