



Fluorescence Immunochromatography Analyzer (EXR 110)

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Small but efficient

CE NMPA



POCT

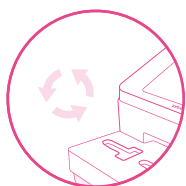


Fluorescence Immunochromatography Analyzer (EXR 110)

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 including test card loading, item identification, incubation, detection, card discarding and results print within 15 minutes. 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



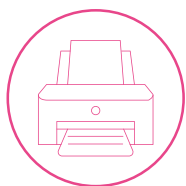
Appearance

- Dimension: 275mm*250mm*186mm
- Weight: 3.2 Kg



Display

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



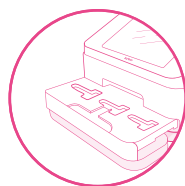
Printer

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



Connection

- Result transmission with LIS via wired network



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	3-15 mins
Sample Type	Whole Blood / Plasma / Serum / Urine
Incubation Temperature	30°C±1.5°C
Data Transmission	Wired Network/WIFI
Power Supply	100-240V AC, 50/60 Hz, 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	30000 tests
Software Update	By USB or Internet
Relative Humidity	20 %-85 %
Dimension	275 mm*250 mm*186 mm (W*D*H)
Weight	3.2 Kg

Technical Advantage

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

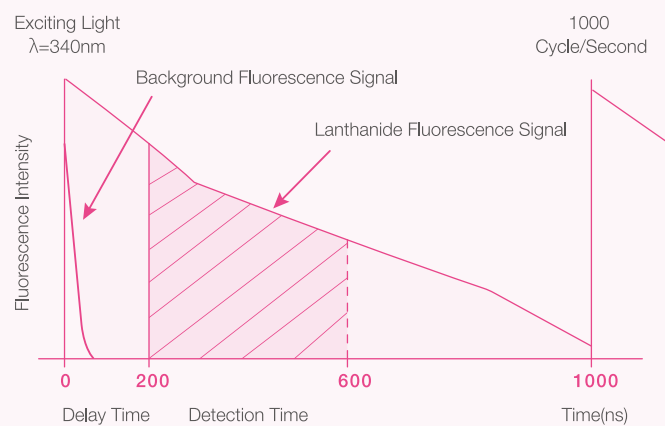
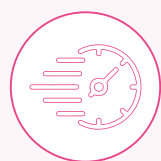
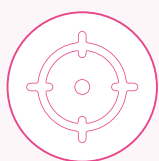


Figure 1: Fluorescence signal decay time comparison

Benefits



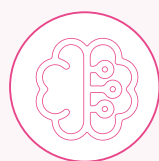
Fast



Accurate



Convenient



Intelligent



Portable

Application Scenarios



Medium/
Small Laboratory



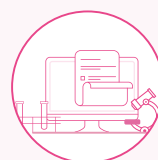
Clinics



Emergency
Department



ICU



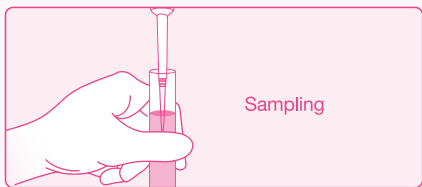
Clinical
Department



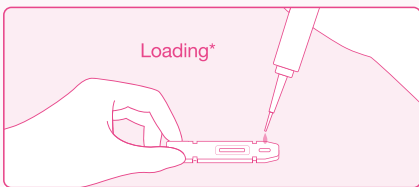
Ambulance

Operation Procedure

Step 1



• Step 2



• Step 3



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

Test Menu

Test Type	Items	Operations	Sample Type and Volume	Mixture Loading Volume	Reaction Time	Detection Range	Qualification
Cardiac	cTnI	One-Step	WB:100μL Serum/Plasma: 70μ	/	15 mins	0.05~50.00 ng/mL	CE NMPA
	hs-cTnI	Two-Step	WB/Serum/Plasma: 70μL	70μL	10 mins	40~20000 pg/mL	NMPA
	cTnT	One-Step	WB:100μL Serum/Plasma: 70μL	/	10 mins	0.01~10.00 ng/mL	CE NMPA
	cTnT/ CK-MB/Myo	One-Step	WB:100μL Serum/Plasma: 70μL	/	10 mins	cTnT: 0.01~10.00 ng/mL CK-MB: 1~80 ng/mL Myo: 5~500 ng/mL	CE NMPA
	hs-cTnI/ CK-MB/Myo	Two-Step	WB/Serum/Plasma: 70μL	/	10 mins	hs-cTnI: 40~40000 pg/mL CK-MB: 2.50~80 ng/mL Myo: 10~500 ng/mL	NMPA
	NT-proBNP	One-Step	WB:100μL Serum/Plasma: 70μL	/	10 mins	30~35000 pg/mL	CE NMPA
	BNP	Two-Step	WB/Plasma: 70μL	70μL	10 mins	10~5000 pg/mL	NMPA
	D-Dimer	One-Step	WB:100μL Plasma: 70μL	/	5 mins	0.2~20 μg/mL	CE NMPA
Inflam- mation	CRP	Two-Step	WB/Serum/Plasma: 5μL	70μL	3 mins	0.5~200 μg/mL	CE NMPA
	PCT	One-Step	WB:100μL Serum/Plasma: 70μL	/	10 mins	0.1~100.0 ng/mL	CE NMPA
	SAA	Two-Step	WB/Serum/Plasma: 5μL	70μL	3 mins	3~200 μg/mL	CE NMPA
	IL-6	One-Step	WB:100μL Serum/Plasma: 70μL	/	15 mins	5~4000 pg/mL	CE NMPA
Diabetes	HbA1c	Two-Step	WB: 5μL	70μL	5 mins	4.0%~14.0 %	CE NMPA
	mALB	One-Step	Urine: 70μL	/	3 mins	5.0~200.0 μg/mL	NMPA
Metab- olism	25-OH-VD	Two-Step	Serum/Plasma: 70μL	70μL	15 mins	5.0~120.0 ng/mL	CE NMPA
Thyroid Function	TSH	One-Step	Serum/Plasma: 70μL	/	15 mins	0.1-100.0 mIU/L	CE NMPA
	T3	Two-Step	WB/Serum/Plasma: 70μL	70μL	15 mins	0.5-10.0 nmol/L	CE NMPA
	T4	Two-Step	WB/Serum/Plasma: 70μL	70μL	15 mins	12.87-310.0 nmol/L	CE NMPA
	FT3	Two-Step	WB/Serum/Plasma: 70μL	70μL	15 mins	0.4-50.0 pmol/L	NMPA
	FT4	Two-Step	WB/Serum/Plasma: 70μL	70μL	15 mins	1.0-100.0 pmol/L	NMPA
sex Hormone	AMH*	One-Step	WB:100μL Serum/Plasma: 70μL	/	15 mins	0.1~16.0 ng/mL	NMPA
	HCG*	Two-Step	WB/Serum/Plasma: 70μL	70μL	8 mins	5~100000 mIU/mL	/
	FSH*	Two-Step	WB/Serum/Plasma: 70μL	70μL	8 mins	1.00~100.00mIU/mL	/
Allergy	IgE*	Two-Step	WB/Serum/Plasma: 5μL	70μL	10 mins	5.0~1000.0 IU/mL	/

Coming soon: AMH, HCG, FSH, IgE



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