Parameters

Category	Item	Specimen Type	Specimen Volume	Reaction Time	Linear Range	Certification
Cardiac	cTnI/CK-MB/Myo	WB/Serum/Plasma	100 μL	12 min	cTnI: 0.10-50.00 ng/mL CK-MB: 1.00-100.00 ng/mL Myo: 5.00-400.00 ng/mL	CE/NMPA
	cTnI	WB/Serum/Plasma	100 μL	12 min	0.1-40 ng/mL	CE/NMPA
	NT-proBNP	WB/Serum/Plasma	100 μL	10 min	20-35,000 pg/mL	CE/NMPA
	D-Dimer	WB/Plasma	10 μL	10 min	40-10,000 ng/mL	CE/NMPA
	ST2	Serum	100 μL	10 min	10.00-400.00 ng/mL	CE/NMPA
	Lp-PLA2	WB/Serum/Plasma	10 μL	10 min	10-900 ng/mL	CE/NMPA
Inflammation	PCT	WB/Serum/Plasma	100 μL	10 min	0.2-100 ng/mL	CE/NMPA
	IL-6	WB/Serum/Plasma	100 μL	10 min	5.00-4,000.00 pg/mL	CE/NMPA
	CRP/hsCRP	WB/Serum/Plasma	5 μL	3 min	0.50-200.00 mg/L	CE/NMPA
	SAA	WB/Serum/Plasma	5 μL	5 min	1-200 mg/L	CE/NMPA
	Calprotectin	Feces	/	10 min	10.00-2,000.00 mg/kg	CE
Diabetes	HbA1c	WB	10 μL	10 min	4.0%-14.0%	CE/NMPA
	INS	WB/Serum/Plasma	100 μL	15 min	2.00-300.00 mIU/L	CE/NMPA
	C-P	WB/Serum/Plasma	100 μL	15 min	0.50-30.00 ng/mL	CE/NMPA
Nutritional metabolism	25-OH VD	WB/Serum/Plasma	15 μL	15 min	5.00-100.00 ng/mL	CE
	Ferr	Serum	20 μL	5 min	10-500 ng/mL	CE/NMPA
Fertility	FSH	WB/Serum/Plasma	100 μL	15 min	1-100 mIU/mL	CE
	AMH	WB/Serum/Plasma	100 μL	10 min	0.10-16.00 ng/mL	CE/NMPA
	Beta-HCG	WB/Serum/Plasma	20 μL	10 min	2-100,000 mIU/mL	CE
	LH	WB/Serum/Plasma	100 μL	15 min	1-100 mIU/mL	CE
	Prog	Serum/Plasma	100 μL	15 min	1.4-60 ng/mL	CE
	PRL	WB/Serum/Plasma	30 μL	15 min	1.40-60.00 ng/mL	CE
	SHBG	WB/Serum/Plasma	10 μL	15 min	10.00-1,000.00 nmol/L	CE
Thyroid Hormone	TSH	WB/Serum/Plasma	100 μL	15 min	0.10-100.00 mIU/L	CE
	TT3	WB/Serum/Plasma	50 μL	15 min	0.50-10.00 nmol/L	CE
	TT4	WB/Serum/Plasma	10 μL	15 min	5.00-300.00 nmol/L	CE
	FT3	WB/Serum/Plasma	50 μL	15 min	1.00-50.00 pmol/L	CE
	FT4	WB/Serum/Plasma	10 μL	15 min	5.00-100.00 pmol/L	CE
Tumor Maker	AFP	WB/Serum/Plasma	100 μL	10 min	5-200 ng/mL	CE
	CEA	WB/Serum/Plasma	100 μL	10 min	1-500 ng/mL	CE
	NSE	Serum	100 μL	10 min	5.00-200.00 ng/mL	CE
	CA125	WB/Serum/Plasma	100 μL	10 min	20-500 U/mL	CE
	CA153	WB/Serum/Plasma	100 μL	10 min	10-400 U/mL	CE
	CA199	WB/Serum/Plasma	100 μL	10 min	10-400 U/mL	CE
	Cyfra21-1 (CK19)	WB/Serum/Plasma	100 μL	10 min	1.00-100.00 ng/mL	CE
	PG II	WB/Serum/Plasma	100 μL	10 min	1.00-200.00 ng/mL	CE
	PG I	WB/Serum/Plasma	100 μL	10 min	2.50-400.00 ng/mL	CE
Gastrointestinal	FOB/TRF	Feces	/	10 min	qualitative	CE/NMPA
	FOB	Feces	/	10 min	qualitative	CE
Infection	HP Antigen	Feces	/	15 min	1.00-100.00 ng/mL	CE
	HP IgG	WB/Serum/Plasma	20 μL	15 min	2.00-500.00 mIU/mL	CE
Renal injury	MAU	Urine	10 μL	3 min	5.00-300.00 mg/L	CE/NMPA
	NGAL	Urine	30 μL	10 min	10.00-1,500.00 ng/mL	CE
	Cys-C	WB/Serum/Plasma	5 μL	5 min	0.4-9.0 mg/L	CE
Brain diseases	S100β	WB/Serum/Plasma	100 μL	10 min	0.05-10.00 ng/mL	CE/NMPA
Autoimmune	Total IgE	WB/Serum/Plasma	10 μL	10 min	1.00-1,000.00 IU/mL	CE

WB:Whole blood

Version: 20260409

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Sansure WWHS BIOTECH

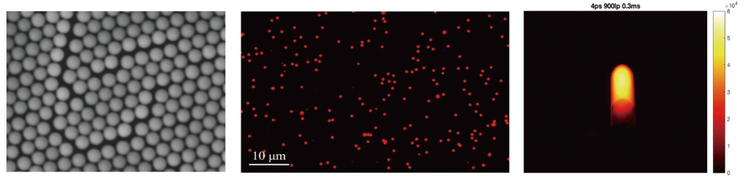
NIR-1000

Dry Fluoroimmunoassay Analyzer

Fluorescent Nanospheres in NIR-II (Near-Infrared-II) window
World-first NIR-II FIA technology
Ultra-Sensitive

NIR-II Fluorescent Nanospheres Technology

Perfect Combination of Ultra-bright NIR-II Fluorescent Molecules and Nano-biotechnology



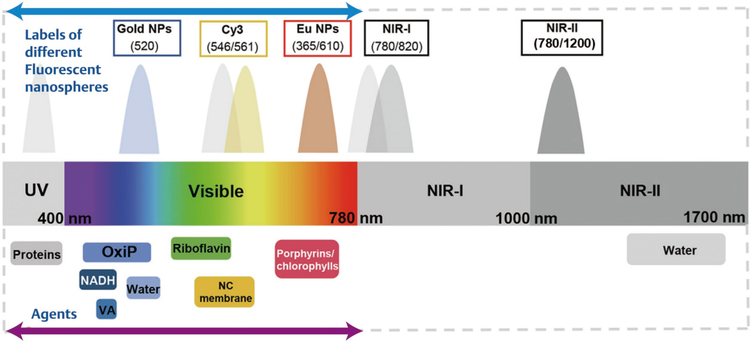
A New Generation of NIR-II Fluorescent Nanospheres

Core Advantages

- **Ultra-large Stokes Shift**
  >300nm shift, low background, high sensitivity
- **Ultra-high Efficiency**
  Signal several times stronger, high encapsulation rate
- **Super Anti-interference**
  IR noise reduction, resistant to hemolysis/jaundice
- **3D Stereoscopic Detection**
  Deep IR penetration, 3D imaging, less scattering

NIR-II Fluorescence Technology

Detecting wavelength of chemiluminescence and traditional immunofluorescence technologies



Wavelength region of autofluorescence interference

Features of NIR-II Fluorescence Detection:

Unaffected background fluorescence signal interference in biological samples
Increasing the signal-to-noise ratio

Solves FIA pain points; achieves a generational upgrade of FICA technology.

FICA: Fluorescence Immunochromatographic Assay FIA: Fluorescence immunoassay

NIR-1000 Dry Fluoroimmunoassay Analyzer

Instrument Features

Technical Features

- **Exclusive NIR-II Optical System**
  Built-in data acquisition optimized for NIR-II technology, precisely capturing infrared fluorescence signals with ultra-high SNR and hardware-level sensitivity.
- **Integrated Precision Control Architecture**
  PCB control board orchestrates complete workflow execution; reinforced housing ensures high repeatability and precision for NIR-II detection.
- **Infrared Penetrating Signal Acquisition**
  Enhanced infrared penetration reduces sample scattering interference, amplifies NIR-II ultra-sensitivity, and delivers CLIA-level performance standards.

Intelligent Operation

- **Intuitive Touch Interface**
  7-inch touchscreen with multilingual support (Chinese/English/French/Spanish), 2-second boot self-check, and one-click parameter reading via info card.
- **Smart QR Code Calibration**
  Simple one-time ID card setup followed by reagent QR code scanning automatically loads standard curves, streamlining calibration procedures.
- **Flexible Detection Modes**
  Instant test and timing test options for diverse scenarios; automatic countdown eliminates manual operation requirements.

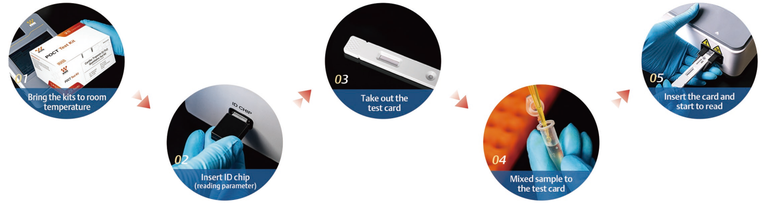
Portable Design

- **Compact & Lightweight**
  Weighing only 2.0kg with compact dimensions, enabling true portability for mobile diagnosis and bedside testing applications.
- **Integrated Thermal Printing**
  Built-in printing module supports manual/automatic operation, delivering instant report output without external equipment dependencies.
- **Multi-interface Connectivity**
  Comprehensive ports including RS232, network, USB, and power, supporting LIS/HIS system connection for real-time data transmission.

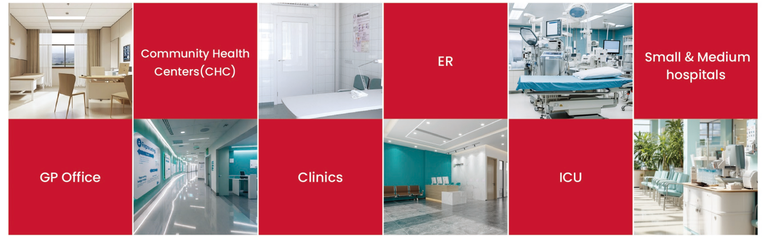
Specification

Principle	Detection in the NIR- II window (1000-1200nm)	Wavelength	780nm
Background value	Fluorescence value ≤5	Measuring time	≤15s from card insertion to result display
Throughput	240 times/H	Interface	RS232, LAN, USB, Built-in QR code, Built-in Thermal Printer
Display	7-inch touch-screen LCD	Data storage	>10000 tests
Power Source	100-240V AC. 50/60Hz	Net Weight	2.0Kg
Dimension	300×200×140mm(L×W×H)		

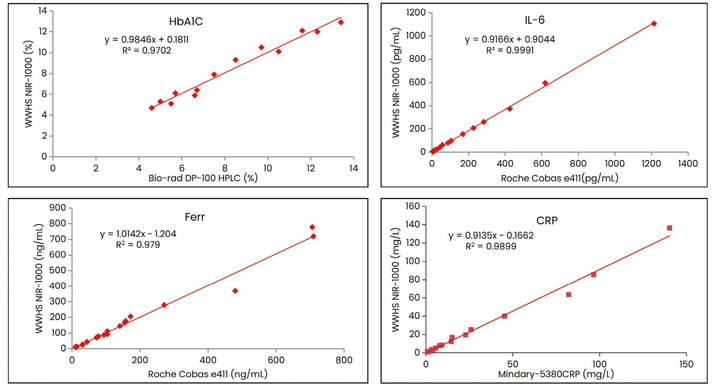
Operation Procedure



Application



Evaluation Data



NIR-1000 FIA: High Consistency with CLIA.

CLIA: Chemiluminescence Immunoassay