



Unique ultrasensitive NIR technology!



NIR-1000 FIA **Fluorescent Nanospheres in NIR(Near Infrared) window**

- Ultra-high Sensitivity and excellent precision.
- Fast and Flexible, result in short time.
- Intelligent QR code management.
- Real-time data transmission, compatible with LIS/HIS.
- Storage 10,000 results.
- Large touch screen LCD display.



	Product item	Specimen	Reaction Time	Measure Range	Clinical Range	Intended Use
Cardiac	cTnl	WB/Serum/Plasma	12min.	0.1-40ng/ml	<0.3ng/ml	Several heart diseases including myocardial infarction and heart failure.
	Myo	WB/Serum/Plasma	12min.	5-400ng/ml	<58ng/ml	Acute myocardial infarction (AMI) in early stage.
	CK-MB	WB/Serum/Plasma	12min.	1-200ng/ml	<5ng/ml	Acute myocardial infarction (AMI) in early stage.
	NT-proBNP	WB/Serum/Plasma	10min.	20-35000pg/ml	Under 75: 0~347pg/mL Over 75: 0~449pg/mL	Heart failure.
	D-Dimer	WB/Plasma	10min.	40-10000ng/ml	<500ng/ml	Disseminated intravascular coagulation (DIC), deep vein thrombosis (DVT), pulmonary embolism (PE), myocardial infarction, cerebral infarction, etc.
	cTnl+Myo+CKMB	WB/Serum/Plasma	12min.	Same with single item	Same with single item	Triple marker of myocardial infarction.
	ST2	WB/Serum/Plasma	10min.	10-400ng/ml	<35ng/ml	Heart failure.
	Lp-PLA2	WB/Serum/Plasma	10min.	10-900ng/ml	<175ng/ml	Risk evaluation of ACS and atherosclerotic ischemic stroke patients.
	H-FABP	WB/Serum/Plasma	10min.	2.5-160ng/ml	<5ng/ml	Acute myocardial infarction (AMI) in early stage.
HCY	WB/Serum/Plasma	15min.	1-50 μmol/L	5-15μmol/L	Atherosclerosis, venous embolism, coronary heart disease.	
Inflammation	CRP / hs-CRP	WB/Serum/Plasma	3min.	0.5-200mg/L	CRP<10mg/L hs-CRP<1mg/L	Nonspecificity inflammatory marker.
	SAA	WB/Serum	5min.	1-200mg/L	<10mg/L	Inflammation & infection.
	PCT	WB/Serum/Plasma	10min.	0.2-100ng/ml	<0.5ng/ml	Sepsis.
	CRP+SAA	WB/Serum/Plasma	5min.	Same with single item	Same with single item	Inflammation & infection.
	IL-6	WB/Serum/Plasma	10min.	5-4000pg/ml	10pg/ml	Diabetes, rheumatoid arthritis, etc.
	Calprotectin	Fecal specimens	10min.	5-1000mg/g	<50mg/g	Enteritis.
Thyroid Hormone	TSH	WB/Serum/Plasma	15min.	0.3-100mU/L	0.3-4.2mU/L	Hyperthyroidism and hypothyroidism.
	TT3	WB/Serum/Plasma	15min.	0.5-10nmol/L	1.23-3.07nmol/L	Thyroid dysfunction.
	TT4	WB/Serum/Plasma	15min.	5-300nmol/L	66-181nmol/L	Thyroid dysfunction.
	FT3	WB/Serum/Plasma	15min.	1-50pmol/L	3.1-6.8pmol/L	Thyroid dysfunction.
	FT4	WB/Serum/Plasma	15min.	5-100pmol/L	12-22pmol/L	Thyroid dysfunction.
Tumor Marker	AFP	WB/Serum/Plasma	10min.	2.5-200ng/ml	<20ng/ml	Pregnancy cancer.
	CEA	WB/Serum/Plasma	10min.	1-200ng/ml	<5ng/ml	Colon cancer, colorectal cancer, etc.
	NSE	WB/Serum/Plasma	10min.	1-400ng/ml	<16ng/ml	Non-small cell lung cancer.
	FOB	Fecal specimens	10min.	50-1000ng/ml	<100ng/ml	Abnormal recessive gastrointestinal bleeding.
	PG II	WB/Serum/Plasma	10min.	1-100ug/L	PGI/PGII>3.0	Gastric abnormalities.
	PG I	WB/Serum/Plasma	10min.	2.5-200ug/L	>70ng/ml	Gastric abnormalities.
	TPSA	WB/Serum/Plasma	10min.	0.5-40ng/ml	<4ng/ml	Prostate cancer.
	FPSA	WB/Serum/Plasma	10min.	0.1-10ng/ml	<1ng/ml	Prostate cancer.
	CA12-5	WB/Serum/Plasma	10min.	20-500U/ml	<35U/ml	Ovarian cancer.
	CA15-3	WB/Serum/Plasma	10min.	10-400U/ml	< 25 U/mL	Breast cancer.
	HE4	WB/Serum/Plasma	10min.	50-2000pmol/L	<140 pmol/L	Ovarian cancer.
	CA19-9	WB/Serum/Plasma	10min.	10-400U/ml	< 27 U/mL	Pancreatic cancer.
	HCG	WB/Serum/Plasma	10min.	5-400mIU/ml	<10 mIU/mL	Early pregnancy, ectopic HCG cancer, incomplete abortion.
CK19 (Cyfra21-1)	WB/Serum/Plasma	10min.	1-100ng/ml	<3.3ng/ml	Non-small cell lung cancer.	
Fertility	β-HCG	WB/Serum/Plasma	10min.	2-10000mIU/ml	<5 mIU/mL	Early pregnancy.
	AMH	WB/Serum/Plasma	10min.	0.1-16ng/ml	Male: 20-60 years old, 0.92-13.89 ng/mL Female: • 20-29 years old, 0.88-10.35 ng/mL • 30-39 years old, 0.31-7.86 ng/mL • 40-50 years old, <5.07 ng/mL	Ovarian reserve level.
	LH	WB/Serum/Plasma	15min.	1-100mIU/ml	Male: 1.81-8.16 mIU/mL; Female: Follicular phase : 2.95-13.65 mIU/mL Ovulation phase: 13.65-95.75 Miu/mL Luteal phase: 1.25-11.00 mIU/mL Menopause phase: 8.74-55.00 mIU/mL	Reproductive dysfunction.

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Fertility	FSH	WB/Serum/Plasma	15min.	1-100mIU/ml	Male: 1.50-12.40 mIU/mL Female: Follicular phase : 4.46-12.43 mIU/mL Ovulation phase: 4.88-20.96 mIU/mL Luteal phase: 1.95-8.04 mIU/mL Menopause phase: 20.00-98.62 mIU/mL	Reproductive system.
	Testosterone	WB/Serum/Plasma	15min.	0.2-15ng/ml	Male: 20-49 years old, 1.91-8.41 ng/mL >50 years old, 1.61-8.01 ng/mL Female: 20-49 years old, <0.80ng/mL >50 years old, <0.71 ng/mL	Sexual hormone disturbance and hypogonadism.
	Progesterone	WB/Serum/Plasma	15min.	1.4-60ng/ml	Male: 0-1.5ng/mL Female: Follicular phase : 0-1.9ng/mL Ovulation phase: 0-12ng/mL Luteal phase: 1.7-28.7ng/mL Menopause phase: 0-1.4ng/mL Pregnancy: 11-60ng/mL	Pregnancy progesterone.
	PRL	WB/Serum/Plasma	15min.	1-200ng/ml	Male: 3.45-17.42 ng/mL Female (non-pregnant): 4.60-25.07 ng/mL	Breastfeeding & abnormal lactation.
	SHBG	WB/Serum/Plasma	15min.	10~1000nmol/L	Male: 20-70 nmol/L Female (non-pregnant): 30-100 nmol/L Female (pregnant): 200-500 nmol/L	Sexual hormone disturbance and hypogonadism.
	E2	WB/Serum/Plasma	15min.	9-3000pg/ml	Male: <85 pg/mL Female: Follicular Phase: 12-262 pg/mL Ovulation: 40-396 pg/mL Luteal Phase: 21-381 pg/mL Menopause: <190 pg/mL Pregnancy: >145 pg/mL	Ovarian vitality.

	Product item	Specimen	Reaction Time	Measure Range	Clinical Range	Intended Use
Gastrointestinal	FOB	Fecal Specimens	10min.	Qualitative	Qualitative	Gastrointestinal hemorrhage. G
	TRF	Fecal Specimens	10min.	Qualitative	Qualitative	Gastrointestinal hemorrhage. G
	FOB+TRF	Fecal Specimens	10min.	Qualitative	Qualitative	Gastrointestinal hemorrhage.
Infection	Covid-19 Antigen	Nasal swab, throat swab or nasal wash/aspirate specimens	15min.	Qualitative	Qualitative	Respiratory tract.
	Covid-19 Ab IgG/IgM	WB/Serum/Plasma	15min.	Qualitative	Qualitative	Respiratory tract.
	FluA Antigen	Nasal swab, throat swab or nasal wash/aspirate specimens	15min.	Qualitative	Qualitative	Respiratory tract.
	FluB Antigen	Nasal swab, throat swab or nasal wash/aspirate specimens	15min.	Qualitative	Qualitative	Respiratory tract.
	HPAntigen	Fecal specimens	15min.	0.05-100ng/mL	<0.1ng/mL	Pylori infection.
	HP IgG	WB/Serum/Plasma	15min.	3-80ng/mL	<5ng/mL	Pylori infection.
Renal Injury	CysC	WB/Serum/Plasma	5min.	0.4-9mg/L	0.5-1.1 mg/L	Renal function.
	NGAL	Urine	10min.	10-1500ng/mL	<132ng/mL	Acute kidney injury.
	MAU	Urine	10min.	5-300mg/l	<20mg/l	Renal function.
	RBP-4	WB/Serum/Plasma	10min.	2.5-200ug/ml	<50ug/ml	Early kidney lesion and therapy.
	β2-MG	WB/Serum/Plasma	10min.	0.3-20mg/L	1.0-2.7mg/L	Glomerular filtration rate, kidney transplantation and kidney function.
Diabetes	HbA1c	WB	10min.	4%-14%	4%-6%	Diabetes.
	Insulin	WB/Serum/Plasma	15min.	1-200 μU/mL	5-20μU/mL	Diabetes.
	C-peptide	WB/Serum/Plasma	15min.	0.1-16ng/mL	0.33-3.76ng/mL	Diabetes.
Brain diseases	S100β	WB/Serum/Plasma	10min.	0.05-10ng/ml	<0.2ng/ml	Cerebral infarction, cerebral injury.
Nutritional metabolism	FERR	WB/Serum/Plasma	5min.	10-500ng/mL	Male: 24ng/mL~335ng/mL Female: 11ng/mL~307ng/mL	Iron metabolism related diseases, such as hemochromatosis and iron deficiency anemia.
	VD	WB/Serum/Plasma	15min.	30-120ng/mL	30-70ng/mL	Osteoporosis.
	VB12	WB/Serum/Plasma	15min.	50-2000pg/mL	200-900pg/mL	VB12 deficiency.
Auto-immune	Total IgE	WB/Serum/Plasma	10min.	0.05-10mg/L	0.1-0.9mg/L	Allergy, rickets.