

Infectious Disease Tests

Test Item	Catalog No.	Specimen	Qualification
COVID-19 Ag	COV-S23F	NP/OP	CE
COV/FLU	COV/FLU-S23F	Respiratory Secretions	CE
RSV	RSV-S23F	Nasal Secretion	CE
Strep A	STA-S23F	Throat swab	CE
Astrovirus	ASV-F23F	Feces	CE
Adenovirus	ADV-F23F	Feces	CE
Adenovirus	ADV-S23F	Nasal secretion	CE
Influenza A/B	FLU-S23F	Nasal secretion	CE
HIV	HIV-W23F	W/S/P	/
Syphilis	SYP-W23F	W/S/P	CE
HCV	HCV-W23F	W/S/P	/
HBsAg	HBsAg-W23F	W/S/P	/
C. difficile Toxin A	CDA-F23F	Feces	CE
C. difficile Toxin B	CDB-F23F	Feces	CE
C. difficile GDH	GDH-F23F	Feces	CE
H.Pylori Ab	HP-W23F	W/S/P	CE
H.Pylori Ag	HP-F23F	Feces	CE
Rotavirus	ROTA-F23F	Feces	CE
Mycoplasma IgM	MP IgM-W23F	W/S/P	CE
TOXO IgG/IgM	TOXO-W23MF	W/S/P	/
RUV IgG/IgM	RUV-W23MF	W/S/P	/
Dengue IgG/IgM	DENV-W23MF	W/S/P	/
Dengue NS1 IgG/IgM	DEN NS1-W23F3	W/S/P	CE
CMV	CMV-W23MF	W/S/P	/
HSV-1 IgG/IgM	HSV-1-W23F	W/S/P	CE
HSV-2 IgG/IgM	HSV-2-W23F	W/S/P	CE
Chlamydia	CHL-W23MF	W/S/P	/
RAC	RAC-F23F	Feces	/
CDFA/B	MI-F22M001F	Feces	CE
CDFA/B/GDH	MI-F23M001F	Feces	CE
COV/RSV	MI-S23M002F	Respiratory Secretions	CE
RSV/FLU	MI-S22M001F	Respiratory Secretions	CE
TYP	TYP-F23F	Feces	/
Crypto	Crypto-F23F	Feces	CE
EH	EH-F23F	Feces	CE
GL	GL-F23F	Feces	CE
Crypto/EH/GL	MI-F23M002F	Feces	/
LEG	LEG-U23	Urine	CE
DEN NS1	DEN NS1-W23F	W/S/P	CE
MAL PF/PAN	MAL-W23M002F (p.f/pan)	W/S/P	/
MAL PF/PV	MAL-W23M001F (p.f/p.v)	W/S/P	/

Drug of Abuse Tests

Test Item	Catalog No.	Specimen	Qualification
Amphetamine	AMP-H23F	Hair	CE
Barbiturate	BAR-H23F		CE
Benzodiazepine	BZO-H23F		CE
Cocaine	COC-H23F		CE
Fentanyl	FYL-H23F		CE
Ketamine	KET-H23F		CE
K2 Synthetic marijuana	K2-H23F		CE
Marijuana	THC-H23F		CE
MDMA	MDMA-H23F		CE
Methamphetamine	MET-H23F		CE
Morphine	MOR-H23F	Urine	CE
Tramadol	TML-H23F		CE
6-Acetylmorphine	6-MAM-H23F		CE
Fentanyl(0.5/1 ng/mL)	FYL-U23F		CE
THC	THC-W23F		/
Cocaine	COC-W23F		/
Opiates	OPI-W23F	Whole blood	CE
Amphetamine	AMP-W23F		/

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IMMUNOASSAY ANALYZER

- Easy to operation
- Make tests more accurate
- Multiple products offerings including
 - Diabetic & Renal Injury, Thyroid Function, Hormone, Cardiac Markers, Inflammation Markers, Tumor Markers, Gastric Function Markers, Rheumatism, Infection Disease, Drug of Abuse, Others

.AFI5300.



Efficient



Convenient



Fast



Accurate

Product Features

- 10 "HD LCD, touch screen
- Automatically read bar code or QR code
- 8 test cards can be incubated at the same time
- Optical detection channel is specially designed and patented
- Small difference between analyzers, good consistency
- Multi internet-enabled functions

 - Built-in 4G Internet access module
 - Support bidirectional LIS
- Support remote quality control and remote standard curve upgrade

Performance Index

- Stability**
Relative deviation (a) ≤±5%
- Repeatability**
Relative standard deviation (CV) ≤3%
- Linearity**
|r| ≥0.990

Packaging Information (Reagents)

Tests kit	Kit box size	Kits carton	Box weight	Tests carton
25	170*130*80 mm	20	0.31-0.36 kg	500
Shelf life	Carton weight	Storage	Carton size	Item test time
18 months	6.50-7.00 kg	2-30℃	668*358*178 mm	3-15min
Test speed		Connection		
Fast Test: 360tests/h; Standard Test: 160tests/h		USB, RS232, Ethernet, WIFI; Support HL7 One-way LIS System		

✱ W/S/P: W-Whole Blood S-Serum P-Plasma

Test Item	Catalog No.	Linear range	Specimen	Reading Time	Qualification
HbA1c(F) NEW	F-HbA1c-W23F	4-15%	Fingerstick whole blood	5 min.	CE
HCG(F) NEW	F-HCG-W23F	5-20000mIU/mL	Fingerstick whole blood	15min.	
PSA(F) NEW	F-PSA-W23F	0-100ng/mL	Fingerstick whole blood	15min.	
TSH(F) NEW	F-TSH-W23F	0.1-100mIU/L	Fingerstick whole blood	15min.	CE
CRP(F) NEW	F-CRP-W23F	0.5-200mg/L	Fingerstick whole blood	3 min.	
VD(F) NEW	F-VD-W23F	5-100ng/mL	Fingerstick whole blood	15min.	
COR(F) NEW	F-COR-W23F	50-1000nmol/L	Fingerstick whole blood	15min.	
Fer(F) NEW	F-Fer-W23F	10-1000ng/mL	Fingerstick whole blood	15min.	

Tumor Markers

Cancer Antigen 125	CA125-W23F	1-500U/mL	W/S/P	15 min.	CE
Cancer Antigen 15-3	CA15-3-W23F	1-300U/mL	W/S/P	15 min.	
Cancer Antigen 19-9	CA19-9-W23F	5-600U/mL	W/S/P	15 min.	
Alpha Fetal Protein	AFP-W23F	2.5-400ng/mL	W/S/P	15 min.	CE
Prostate-specific Antigen	PSA-W23F	2-100ng/mL	W/S/P	15 min.	
Free Prostate-specific Antigen	FPSA-P23F	0.2-30ng/mL	S/P	15 min.	
Carcino-embryonic Antigen	CEA-W23F	1-500ng/mL	W/S/P	15 min.	CE
Ferritin	FRT-W23F	10-1000ng/mL	W/S/P	15 min.	
Fecal Occult Blood	FOB-F23F	25-1000ng/mL	Feces	15 min.	
Fecal Immunochemical Test	FIT-F23F	25-1000ng/mL	Feces	15 min.	/

Diabetic & Renal Injury

HbA1c	HbA1c-W23F	4-15%	Whole blood	Lyse 1 min. & React 5 min.	CE
C-peptide	C-P-P23F	0.1-30ng/mL	S/P	15 min.	
Albumin	ALB -U23F	5-300μg/mL	Urine	5 min.	
Cystatin C	CysC-W23F	0.2-10μg/mL	W/S/P	5 min.	
β2-microglobulin	β2-MG-W23F	0.3-20μg/mL	W/S/P	10 min.	
Insulin	INS-P23F	1-300μIU/mL	S/P	10 min.	

Thyroid Function

TT3 Sandwich Method	TT3-W23F	0.61-9.22nmol/L	W/S/P	Lyse 1 min. & React 10 min.
TT4 Sandwich Method	TT4-W23F	10-310nmol/L	W/S/P	Lyse 1 min. & React 10 min.
TSH	TSH-W23F	0.1-100mIU/L	W/S/P	15 min.
FT3 Sandwich Method	FT3-W23F	0.4-50pmol/L	W/S/P	Lyse 5 min. & React 15 min.
FT4 Sandwich Method	FT4-W23F	1-100pmol/L	W/S/P	15 min.
Anti-Thyroid peroxidase	A-TPO-W23F	10-400IU/mL	W/S/P	15 min.
Thyroglobulin	TG-W23F	10-500ng/mL	W/S/P	15 min.
Neonatal hTSH	N-hTSH-W23F	0.1~100mIU/L	W/S/P	15 min.
PTH	PTH-W23F	1.2-5000pg/mL	W/S/P	15 min.

Hormone

β-HCG	β-HCG-W23F	5-20000mIU/mL	W/S/P	15 min.
Anti-mullerian Hormone	AMH-W23F	0.1-16ng/mL	W/S/P	15 min.
Luteinizing Hormone	LH-W23F	1-100mIU/mL	W/S/P	15 min.
Follicle-Stimulating Hormone	FSH-W23F	1-100mIU/mL	W/S/P	15 min.
Progesterin	Prog-W23F	1.4-60ng/mL	W/S/P	15 min.
Prolactin	PRL-W23F	1-200ng/mL	W/S/P	15 min.
Testosterone	TES-W23F	0.2-15ng/mL	W/S/P	15 min.
E2 Sandwich Method	E2-W23F	9-3000pg/mL	W/S/P	15 min.
Cortisol	COR-W23F	50-1000nmol/L	W/S/P	15 min.

Test Item	Catalog No.	Linear range	Specimen	Reading Time	Qualification
Rheumatism					
Antistreptolysin O	ASO-W23F	10-800IU/mL	W/S/P	15 min.	CE
Rheumatoid factors	RF-W23F	10-300IU/mL	W/S/P	15 min.	
Anti-CCP	Anti-CCP-W23F	10-400U/mL	W/S/P	15 min.	

Allergy Test

Total IgE	IGE-P23F	1-2000IU/mL	S/P	15 min.	/
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Inflammation Markers

Procalcitonin	PCT-W23F	0.1-100ng/mL	W/S/P	15 min.	CE
C-reactive Protein	CRP-W23F	0.5-200mg/L	W/S/P	3 min.	
Interleukin-6	IL6-W23F	5-3000pg/mL	W/S/P	15 min.	
Serum Amyloid A	SAA-W23F	1-300mg/L	W/S/P	15 min.	
Calprotectin	CPT-F23F	10-1000mg/kg	Feces	10 min.	
Lactoferrin	LF-F23F	10-1000mg/kg	Feces	15 min.	
Heparin Binding Protein	HBP-S23F	2.5-200ng/mL	Serum	15 min.	
CRP/SAA NEW	CRP/SAA-W23F	0.5-200mg/L	W/S/P	3 min.	
	CRP/SAA-W23F	1-300mg/L	W/S/P	3 min.	
IL-6/PCT NEW	IL-6/PCT-W23F	5-3000pg/mL	W/S/P	15 min.	
	IL-6/PCT-W23F	0.1-100ng/mL	W/S/P	15 min.	

Cardiac Markers

NT-ProBNP	NT-proBNP-W23F	20-30000pg/mL	W/S/P	15 min.	CE
Cardiac Troponin I	TRO-W23F	0.1-40ng/mL	W/S/P	15 min.	
High Sensitive Troponin I	hs-cTnI-P23F	0.01-10ng/mL	S/P	15 min.	
Myoglobin	MYO-W23F	5-500ng/mL	W/S/P	15 min.	
Creatine Kinase MB	CKMB-W23F	2-100ng/mL	W/S/P	15 min.	
Cardiac Troponin I/Myoglobin/Creative Kinase MB	CMC-W23F	cTnI 0.05-40ng/mL Myo 10-800ng/mL CK-MB 0.5-150ng/mL	W/S/P	15 min.	
D-Dimer	DDM-W23F	0.1-10mg/L	W/P	10 min.	
cTnT	cTnT-W23F	0.03-10ng/mL	W/S/P	15 min.	
BNP	BNP-W23F	5-5000pg/mL	W/P	15 min.	
sST2	sST2-W23F	5-400ng/mL	W/S/P	15 min.	
H-FABP NEW	H-FABP-W23F	1-120ng/mL	W/S/P	15 min.	

Gastric Function Markers

Propepsin I	PG I-P23F	2.5-200ng/mL	W/S/P	15 min.	CE
Propepsin II	PG II-P23F	1.4-100ng/mL	W/S/P	15 min.	
Propepsin I / Propepsin II	PG I / PG II-P23F	PG I: 2.5-200ng/ml PG II: 1.4-100ng/mL	W/S/P	15 min.	

Others

Vitamin D	VD-W23F	5-100ng/mL	W/S/P	15 min.	CE
Vitamin B12	VB12-P23F	100-2000pg/mL	S/P	10 min.	
Folic Acid	FA-P23F	1-24ng/mL	S/P	15min.	