



Automated Fluorescence Immuno Assay System

AFIAS-3

- Multi testing Fluorescence Immuno-analyzer
- Highly sensitive result based on advanced fluorescence technology
- Easy-to-use cartridge system
- LIS/HIS compatible



- AFIAS-3 is a fluorescence immunoassay-based diagnostic analyzer that is an integrated Sample-to-Answer system featuring 3 parallel tests.
- AFIAS-3 can provide fast and reliable result on the spot.
- AFIAS All-in-one cartridge enables convenience to users.



Specialized for panel tests in lab



Where the fast results are required



Convenience with All-in-One cartridge

All-in-One cartridge for AFIAS platform

- All the reagents for assay contained
- Over 80 test parameters
- Ready-to-use cartridge



Specifications

Model	AFIAS-3
Dimensions	276 x 365 x 313 mm
Weight	9.3 kg
Analyzer input	100-240 V AC, 50-60 Hz, 2.5-1.0 A
User Interface	7" Touch-screen LCD
Data Output	Internal Printer / RS232 port
Operating temperature	15-35 °C
Connectivity	RS232 3 USB port / LAN port SD card slot

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AFIAS Parameters

Category	Item	Sample type	Working range	Test time (min)
Cardiac	hsCRP	WB/S/P	0.1-10 mg/L	3
	D-Dimer	WB/P	50-10,000 ng/mL	12
	D-Dimer Neo	WB/P	50-10,000 ng/mL	12
	Tn-I Plus	WB/S/P	0.01-15 ng/mL	12
	CK-MB	WB/S/P	3-100 ng/mL	12
	CK-MB Neo	WB/S/P	3-100 ng/mL	12
	Myoglobin	WB/S/P	2-500 ng/mL	12
	Myoglobin Neo	WB/S/P	2-500 ng/mL	12
	Cardiac triple	WB/S/P	Tn-I: 0.01-15 ng/mL CK-MB: 3-100 ng/mL Myoglobin: 5-500 ng/mL	12
	Troponin T	WB/S/P	10-20,000 pg/mL	12
	BNP	WB/P	5-5,000 pg/mL	12
	NT-proBNP	WB/S/P	10-30,000 pg/mL	12
	ST2	WB/S/P	3.1-200 ng/mL	12
	Cancer	PSA Neo	WB/S/P	0.1-100 ng/mL
Free PSA		WB/S/P	0.05-50 ng/mL	12
AFP		WB/S/P	5-350 ng/mL	15
CEA		WB/S/P	1-500 ng/mL	15
Cyfra 21-1		S/P	1-500 ng/mL	12
CA19-9		S/P	8-1,000 U/mL	12
CA125		S/P	5-700 U/mL	12
Diabetes	HbA1c	WB	(NGSP) 4-15%	10
	HbA1c Neo	WB	(NGSP) 4-15%	10
	Microalbumin	Urine	2-300 mg/L	12
	Insulin	WB/S/P	2-300 µIU/mL	12
	Hormone	TSH	WB/S/P	0.09-100 µIU/mL
TSH Plus		WB/S/P	0.08-50 µIU/mL	12
T3		S/P	0.77-7.7 nmol/L	10
T4		S/P	10.23-300 nmol/L	10
Free T4		WB/S/P	1-100 pmol/L	12
FSH		WB/S/P	1-100 mIU/mL	12
Total βhCG		WB/S/P	5-50,000 mIU/mL	15
β-HCG Plus		WB/S/P	2-1,500 mIU/mL	12
LH		WB/S/P	1-100 mIU/mL	12
PRL		WB/S/P	1-100 ng/mL	10
Progesterone		S/P	4.45-127.2 nmol/L	15
Testosterone		S/P	0.5-12 ng/mL	15
Cortisol		WB/S/P	80-800 nmol/L	10
AMH		S/P	0.02-15 ng/mL	12
Estradiol* ●		WB/S/P	20-3,000 pg/mL	20
PTH		WB/S/P	30-3,000 pg/mL	17
Infection		CRP	WB/S/P	0.5-200 mg/L
	MxA/CRP	WB	MxA: 10.0-300 ng/mL CRP: 1.0-200 mg/L	12
	PCT	WB/S/P	0.1-100 ng/mL	12
	PCT X	WB/S/P	0.1-100 ng/mL	12

* No CE mark

** IGRA-TB Tube required

● New

Category	Item	Sample type	Working range	Test time (min)	
Infection	PCT Plus	WB/S/P	0.02-50 ng/mL	12	
	PCT Plus G	WB/S/P	0.02-50 ng/mL	12	
	IL-6	WB/S/P	2-2,500 pg/mL	12	
	Carba 5* (OXA-48, KPC-2, NDM-1, IMP-1, VIM-1) ●	C	Qualitative	15	
	Flu A+B	NS	Qualitative	10	
	RSV	NS	Qualitative	10	
	COVID-19 Ab	WB/S/P	Qualitative	10	
	COVID-19 Ag	NS	Qualitative	12	
	COVID-19/Flu Ag Combo	NS	Qualitative	20	
	COVID-19/Flu A+B/RSV Ag Combo	NS	Qualitative	20	
	Strep A	Throat swab	Qualitative	10	
	HBsAg*	WB/S/P	Qualitative	12	
	Anti-HBs*	WB/S/P	Qualitative	15	
	Anti-HCV*	WB/S/P	Qualitative	12	
	Dengue NS1 Ag	WB/S/P	Qualitative	12	
	Dengue IgG/IgM	WB/S/P	Qualitative	12	
	NORO	Feces	Qualitative	12	
	ROTA	Feces	Qualitative	12	
	Rota/Adeno	Feces	Qualitative	12	
	IGRA-TB**	P	Qualitative	15	
HIV 1/2 Ab*	WB/S/P	Qualitative	10		
Autoimmune	Anti-CCP Plus	WB/S/P	3.2-300 U/mL	12	
	Total IgE	WB/S/P	1-1,000 IU/mL	12	
TDM (Therapeutic Drug Monitoring)	Infliximab	WB/S/P	0.2-50 µg/mL	10	
	Adalimumab	WB/S/P	0.2-50 µg/mL	10	
	Golimumab	WB/S/P	0.2-30 µg/mL	10	
	Vedolizumab	WB/S/P	2-60 µg/mL	10	
	Ustekinumab	WB/S/P	0.5-20 µg/mL	10	
	Etanercept	WB/S/P	0.2-10 µg/mL	10	
	Trastuzumab	WB/S/P	3-150 µg/mL	10	
	Total Anti-Infliximab	S/P	8-250 AU/mL	22	
	Free Anti-Infliximab	WB/S	4-250 AU/mL	12	
	Free Anti-Adalimumab	WB/S	3-200 AU/mL	12	
	Free Anti-Golimumab	WB/S	2-40 ng/mL	10	
	Free Anti-Vedolizumab	WB/S	10-250 ng/mL	10	
	Free Anti-Ustekinumab	WB/S	2.5-100 ng/mL	12	
	Free Anti-Etanercept	WB/S	10-100 ng/mL	10	
	Free Anti-Trastuzumab	WB/S	8-500 AU/mL	10	
	Other test items	sphingotest® penKid* ●	WB/P	70-2,500 pmol/L	15
		Ferritin	S/P	10-1,000 ng/mL	10
Vitamin D Neo		WB/S/P	5-100 ng/mL	12	
KL-6		S/P	51-3,000 U/mL	10	
H. pylori SA		Feces	Qualitative	12	
Calprotectin	Feces	10-1,000 mg/kg	10		

WB = Whole blood, S = Serum, P = Plasma, NS = Nasopharyngeal swab

C = Colony tested from isolated bacterial colonies on culture plates



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