



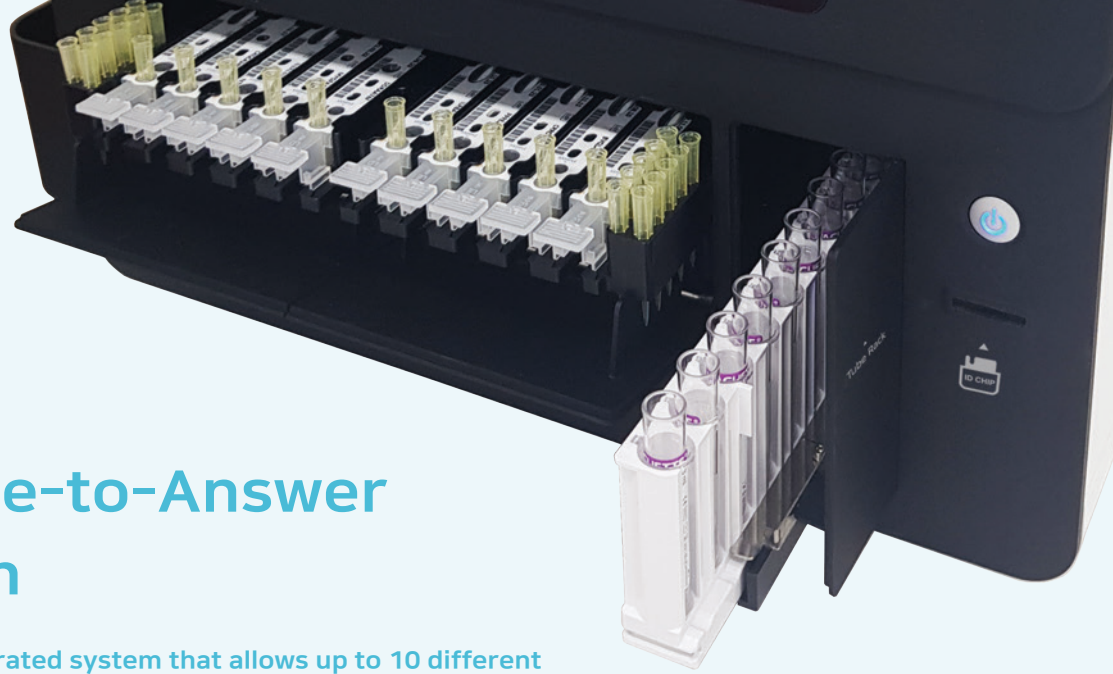
Automatic Fluorescence Immuno Assay System

AFIAS-10

- Automated process from blood collection tube
- Run up to 10 different tests simultaneously with independent Mono-test cartridges
- STAT testing for emergency
- Bidirectional LIS/HIS



AFIAS-10: True Sample-to-Answer Automation



AFIAS-10 is a unique integrated system that allows up to 10 different tests to be processed simultaneously from blood collection tubes.

► Fully automated diagnostic system

- Sample loading to result
- PID barcode reading
- Various types of sample tube available
 - Blood collection tube (0.5 & 3 & 5 mL)
 - Microcentrifuge tube (0.5 & 1.5 mL)
 - SARSTEDT Microvette® Tube (200/250/300 µL)

► Emergency test function

- Emergency test first during regular test routine
- Processing the rest of the test routine after finishing emergency test

► 10 channels with 2 bays

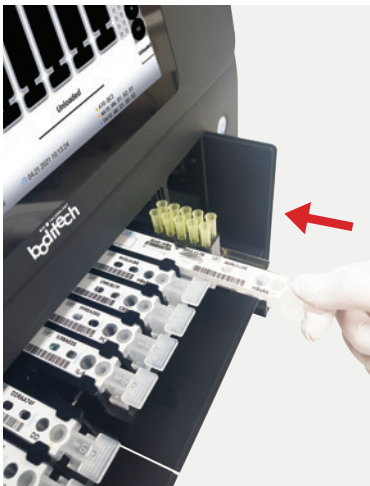
- Each bay can be operated separately
- Run up to 10 different tests at once
- Multi tests with one sample

► Convenient data connectivity

- Bidirectional LIS/HIS function
- Getting the medical order from clinicians directly

Simple procedure

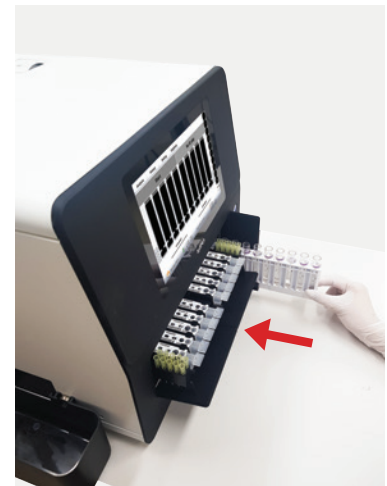
1 Insert cartridge



2 Insert sample tube into tube rack



3 Insert tube rack into AFIAS-10



Automatic Fluorescence Immuno Assay System

AFIAS-10



All-in-One cartridge for AFIAS platform

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

AFIAS-10 can provide

- Convenient testing procedure to users
- High throughput results with various parameters
- Multi testing performance
- Prompt result derived from medical decision
- Quick transmission of medical information



Specifications

Model	AFIAS-10	
Ordering Information	FPRR038	
Dimensions	426 x 443 x 395 mm	
Weight	20 kg	
Analyzer Input	100-240 V AC, 50-60 Hz, 2.6-1.0 A	
User Interface	10.1" TFT LCD touch screen	
Data Output	Internal Printer / RS232 port	
Operating Temperature	15-35 °C	
Connectivity	<ul style="list-style-type: none">• RS232C• 3 USB port• 1 mini USB port	<ul style="list-style-type: none">• LAN port• SD card slot

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	15
	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	12
	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	3
	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