

Exact reading of barcode

9 p.

- Using two or more sample barcodes in one tube
- Improved function so that auto sampler of AFIAS-10 can recognize even in multi-barcode situation (Korean hospital requested)



(X)



(O)



AFIAS-10

Specification

8 p.

Interface

- 10.1" TFT LCD touch screen
- LIS/HIS compatible (Bidirectional)
- Built-in thermal printer 1 p. Su vidiniu spausdintuvu
- RS 232 / USB port / Ethernet / SD Card slot

Memory

- 10,000 patient results / 5,000 QC results
- 100 ID chips /100 User IDs

Throughput

- Up to 50 tests/hour 6 p.

Analyzer

- 426 x 443 x 395 mm / 20 kg
- 100-240 V AC, 50/60 Hz, 2.6-1.0 A





AFIAS-10

Available parameters*

1 p. CRB, HbA1c, TnI kiekybiniam nustatymui ir Roto/Adeno, Gripo antigeno kokybiniam nustatymui

Category	Item	Category	Item	Category	Item	Category	Item
Cardiac	Tn-I Plus	Diabetes	HbA1c	Infection	COVID-19 Ag	Autoimmune	Anti-CCP Plus
	CK-MB		Microalbumin		COVID-19 Ab		Total IgE
	D-Dimer	Hormone	TSH		COVID-19/Flu Ag Combo	Others	Ferritin
	NT-proBNP		TSH Plus		COVID-19 nAb		Vitamin D
	Myoglobin		T3		CRP		Infliximab
	Cardiac Triple		T4		PCT		Total Anti-Infliximab
	ST2		FSH		PCT Plus		
	BNP		Total βhCG		IL-6		
	Tn-T		β-HCG Plus		HBsAg		
Cancer	PSA		LH		Anti-HBs		
	PSA Plus		PRL		Anti-HCV		
	AFP		Progesterone		ROTA		
	AFP Plus		Testosterone		NORO		
	CEA		Cortisol		Rota/Adeno		
	CEA Plus		AMH				

*In-house evaluation has been completed and documentation has been processing



AFIAS-10

Target field

- **For medium-large hospitals & laboratories**

- **More than 500** tests in a month
- Fully automated diagnostic system
- 10 different tests in parallel
- Bidirectional LIS/HIS

1 p.

- **For emergency testing**

- **Fast result** in a single test
- Cardiac / Inflammatory marker (PCT / IL-6 / CRP)
- **STAT** testing
- Quick test order with bidirectional LIS/HIS





AFIAS-10

Comparison with Competitors

	AFIAS-10	
Manufacturer	Boditech Med Inc.	
Dimensions (mm)	426 x 443 x 395	
Weight (kg)	20	
Principle	FIA Eu-TRF (Time-Resolved Fluorescence)	
Display	10.1" TFT LCD	
Input	Touch screen	
Cartridge slot	10 (5 x 2 bays)	
Testing time (min)	12	
Throughput (test/hr)	Up to 50	6 p.
Shelf life (month)	20	
Storage temperature	2-30°C	
Blood tube	○	
Whole blood test	○	
Temperature control	○	
LIS/HIS	bidirectional	
Calibration	Unnecessary	



Advantages for users

- **Precise test result**
 - Accurate sampling
 - Air blower
 - Result analysis with AI
- **Enhanced user convenience**
 - Random Access
 - Auto sampler
 - Extra TipStation
 - STAT testing
 - Bidirectional LIS/HIS
 - Online update
- **Advanced functions that reflect user needs**
 - 1:1 matching with cartridge and test parameter
 - Auto door close
 - Exact reading of barcode



Unique selling proposition

Automated process from blood tube

- Providing convenience to users
- Higher performance

10 different tests in parallel

- High throughput result with various parameters
- Multi testing performance

STAT testing for emergency

- Fast result derived from medical decision
- Useful in ER/ICU

Bidirectional LIS/HIS

- Fast and quick order from clinicians
- Suitable for medical center information system



Expansion in market field!

Thank you for your attention!

Booditech Med Inc

booditech



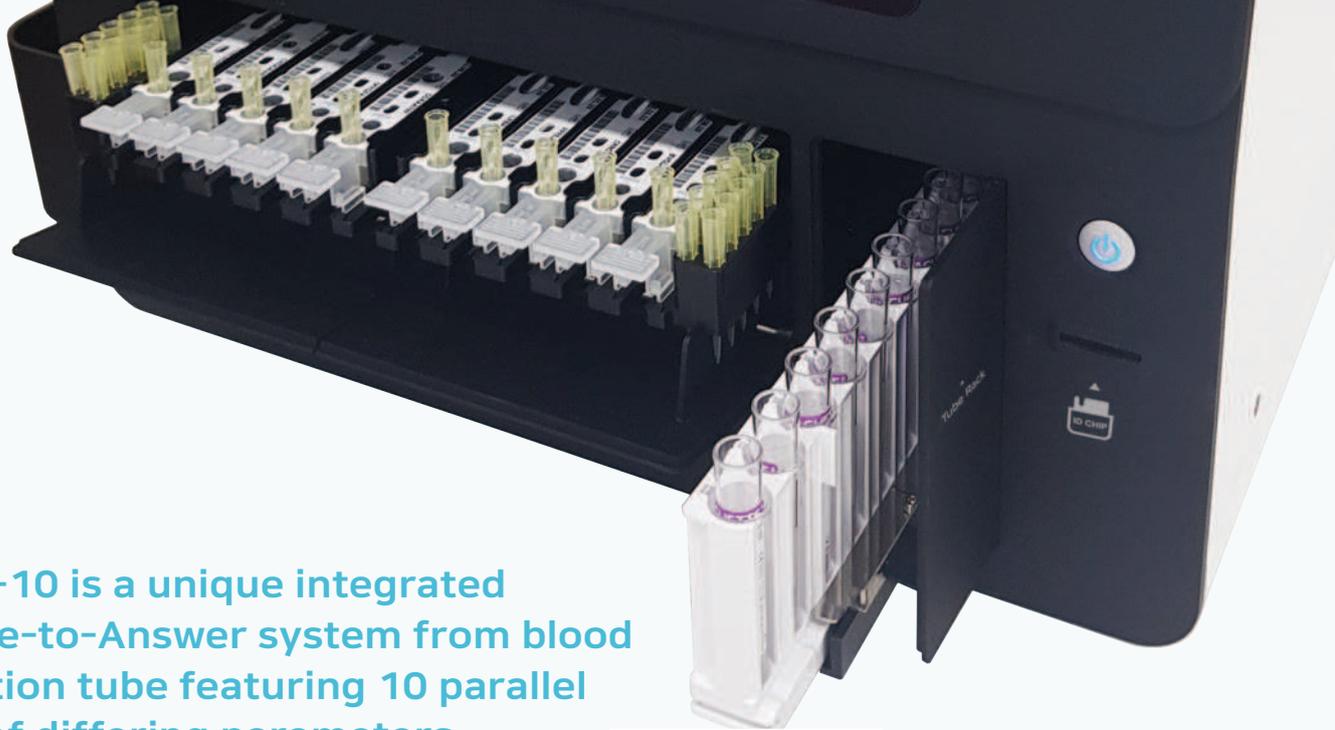
Automatic Fluorescence Immuno Assay System

AFIAS-10

- Automated process from blood collection tube
- 10 different tests in parallel
- STAT testing for emergency
- Bidirectional LIS/HIS



Find out more on www.boditech.co.kr



AFIAS-10 is a unique integrated Sample-to-Answer system from blood collection tube featuring 10 parallel tests of differing parameters

1 p.

► **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)

► **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**

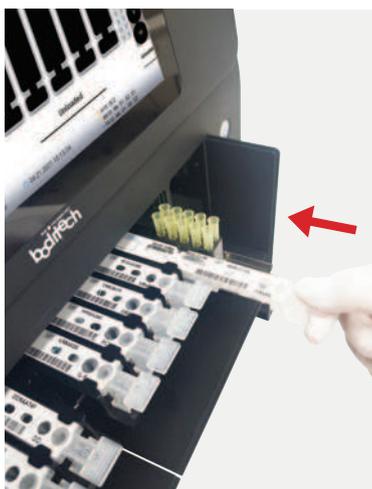
- Each bay can be operated separately
- 10 different tests in parallel
- Multi tests with one sample

► **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



1p. Vidinis spausdintuvas

Specifications

Model	AFIAS-10	Data Output	Internal Printer/RS232 port
Ordering Information	FPRR038	Operating temperature	15 – 35 °C
Dimensions	426 x 443 x 395 mm	Connectivity	8 p.
Weight	20 kg		<ul style="list-style-type: none"> • RS232C • 3 USB port • 1 mini USB port • LAN port • SD card slot
Analyzer input	100~240V AC, 50/60Hz, 2.6-1.0 A		
User Interface	10.1" TFT LCD touch screen		

AFIAS Parameters

1 p. CRB, HbA1c, Tnl kiekybiniam nustatymui ir Roto/Adeno, Gripo antigeno kokybiniam nustatymui

Category	Item	Sample type	Working range	Test time (min)
Cardiac	Tn-I Plus	WB/S/P	0.01-15.00 ng/mL 3 p.	12
	CK-MB	WB/S/P	3-100 ng/mL	12
	D-Dimer	WB/P	50-10,000 ng/mL	12
	NT-proBNP	WB/S/P	10-30,000 pg/mL	12
	Myoglobin	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
	ST2	WB/S/P	3.1-200 ng/mL	12
	BNP	WB/S/P	10-20,000 pg/mL	12
	Troponin T	WB/S/P	5-5,000 pg/mL	12
Cancer	PSA	WB/S/P	0.5-100.0 ng/mL	15
	PSA Plus	WB/S/P	0.07-50 ng/mL	12
	AFP	WB/S/P	5-350 ng/mL	15
	AFP Plus	WB/S/P	0.5-350 ng/mL	12
	CEA	S/P	1-500 ng/mL	12
Diabetes	CEA Plus	WB/S/P	0.5-200 ng/mL	12
	HbA1c	WB	(NGSP) 4-15%	10
Hormone	Microalbumin	Urine	2-300 mg/L	12
	TSH	WB/S/P	0.09-80.0 µIU/mL (WB: 0.4-80.0 µIU/mL)	15
	TSH Plus	WB/S/P	0.08-50 µIU/mL	12
	T3	S/P	0.77-7.70 nmol/L	10
	T4	S/P	10.23-300.00 nmol/L	10
	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
	Progesterone	S/P	4.45-127.2 nmol/L (1.4-40 ng/mL)	15
	PRL	WB/S/P	1-100 ng/mL	10
	Testosterone	S/P	1-10 ng/mL	15
	Cortisol	WB/S/P	80-800 nmol/L	10
	AMH	S/P	0.02-10 ng/mL	12
Infection	COVID-19 Ab	WB/S/P	Qualitative	10
	COVID-19 Ag	Nasopharyngeal swab	Qualitative	12
	COVID-19/Flu Ag Combo	Nasopharyngeal swab	Qualitative	20
	COVID-19 nAb	WB/S/P	Qualitative	20
	CRP	WB/S/P	0.5-200 mg/L 3 p.	3
	PCT	WB/S/P	0.1-100.0 ng/mL	12
	PCT Plus	WB/S/P	0.02-50 ng/mL	12
	IL-6	WB/S/P	2-2,500 pg/mL	12
	HBsAg	WB/S/P	Qualitative	12
	Anti-HBs	WB/S/P	Qualitative	15
	Anti-HCV	WB/S/P	Qualitative	12
	NORO	Feces	Qualitative	12
	ROTA	Feces	Qualitative	12
Autoimmune	Rota/Adeno	Feces	Qualitative	12
	Anti-CCP Plus	WB/S/P	3.2-300 U/mL (Semi-quantitative)	12
Other test items	Total IgE	WB/S/P	1-1,000 IU/mL	10
	Ferritin	S/P	10-1,000 ng/mL	10
	Vitamin D	S/P	8-70 ng/mL	28
	Infliximab	WB/S/P	0.2-50 µg/mL	10
	Total Anti-Infliximab	S/P	8-250 AU/mL	22

2 p. C reaktyvaus baltymo (CRB) kiekybinis tyrimas, Glikuoto hemoglobino (HbA1c) kiekybinis tyrimas, Troponino I (Tnl) nustatymas, iš kraujo, serumo ar plazmos. Gripo antigeno ir Roto/Adeno virusų kokybinis nustatymas.



3 p.
Automatinė fluorescencinė imuninio tyrimo sistema

AFIAS-10

- Automatizuotas procesas nuo kraujo surinkimo mėgintuvėlio.
- 10 paraleliai atliekamų skirtingų testų.
- STAT tyrimai skubiais atvejais.
- Dvikryptė LIS / HIS komunikacija.



Daugiau informacijos rasite www.boditech.co.kr



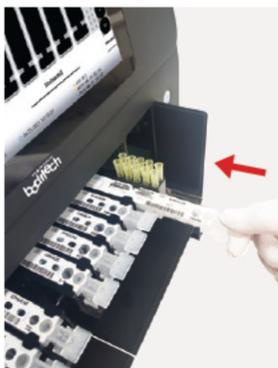
AFIAS-10 yra unikali integruota nuo mėginio iki atsakymo sistema iš kraujo surinkimo mėgintuvėlio bei galinti atlikti 10 paralelių skirtingų parametru testų

9 p.

- Pilnai automatizuota diagnostinė sistema
 - Nuo mėginio įkrovimo iki rezultato
 - PID brūkšninio kodo nuskaitymas
 - Galimi įvairių tipų mėginio mėgintuvėliai
 - Kraujo surinkimo mėgintuvėlis (0.5 ir 3, ir 5 mL)
 - Mikrocentrifugos mėgintuvėlis (0.5 ir 1.5 mL)
- Skubaus testo funkcija
 - Skubus testas pirmiau įprasto testo
 - Įprastų testų atlikimo užbaigimas po skubaus testo atlikimo
- 10 kanalų su 2 dėklais
 - Kiekvieną dėklą galima valdyti atskirai
 - 10 paralelių skirtingų testų
 - Keli testai vienam mėginiui
- Patogi duomenų komunikacija
 - Dvikryptės LIS / HIS komunikacijos funkcija
 - Medicininės tvarkos gavimas tiesiai iš gydytojų

Mėginio procedūra

1. Kasetės įdėjimas



2. Mėginio mėgintuvėlio įdėjimas į mėgintuvėlio stovą



3. Mėgintuvėlio stovo įdėjimas į AFIAS-10



Automatinė fluorescencinė imuninio tyrimo sistema

AFIAS-10**Viskas viename kasetė AFIAS platformai**

- Įtraukti visi tyrimui reikalingi reagentai
- Daugiau nei 50 testų parametru
- Naudojimui paruošta kasetė

**AFIAS-10 gali suteikti**

- Vartotojams patogią tyrimo procedūrą
- Aukšto našumo rezultatų su įvairias parametrais pateikimą
- Kelių tyrimų atlikimo našumą
- Rezultato užklausa, gauta iš medicininio sprendimo
- Greitas medicininės informacijos perdavimas

**Specifikacijos**

Modelis	AFIAS-10	Duomenų išvestis	Vidinis spausdintuvas / RS232 jungtis
Užsakymo informacija	FPRR038	Darbinė temperatūra	15 – 35 °C
Matmenys	426 x 443 x 395 mm	8 p. 	<ul style="list-style-type: none"> • RS232C • 3 USB jungtys • 1 mini USB jungtis • LAN jungtis • SD kortelės jungtis
Svoris	20 kg		
Analizatoriaus įvestis	100~240V AC, 50/60Hz, 2.6-1.0 A	Jungtys	
Vartotojo sąsaja	10.1“ TFT LCD lietimui jautrus ekranas		

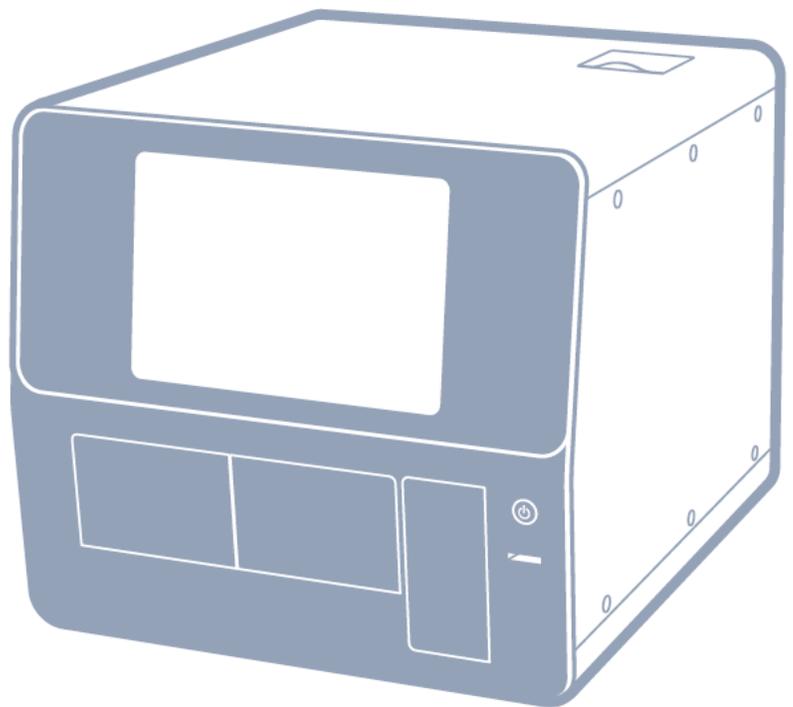
AFIAS parametrai 2 p.

Kategorija	Elementas	Mėginio tipas	Darbinis intervalas	Testo laikas (min.)
Širdis	Tn-I Plus	WB/S/P	0.01-15.00 ng/mL 3 p.	12
	CK-MB	WB/S/P	3-100 ng/mL	12
	D-Dimer	WB/P	50-10,000 ng/mL	12
	NT-proBNP	WB/S/P	10-30,000 pg/mL	12
	Mioglobinas	WB/S/P	2-500 ng/mL	12
	Širdies trigubas	WB/S/P	Tn-I: 0.01-15 ng/mL CK-MB: 3-100 ng/mL Mioglobinas: 5-500 ng/mL	12
	ST2	WB/S/P	3.1-200 ng/mL	12
	BNP	WB/S/P	10-20,000 pg/mL	12
	Troponinas T	WB/S/P	5-5,000 pg/mL	12
Vėžys	PSA	WB/S/P	0.5-100.0 ng/mL	15
	PSA Plus	WB/S/P	0.07-50 ng/mL	12
	AFP	WB/S/P	5-350 ng/mL	15
	AFP Plus	WB/S/P	0.5-350 ng/mL	12
	CEA	S/P	1-500 ng/mL	12
	CEA Plus	WB/S/P	0.5-200 ng/mL	12
Diabetas	HbA1c	WB	(NGSP) 4-15%	10
	Mikroalbuminas	Šlapimas	2-300 mg/L	12
Hormonas	TSH	WB/S/P	0.09-80.0 μIU/mL (WB: 0.4-80.0 μIU/mL)	15
	TSH Plus	WB/S/P	0.08-50 μIU/mL	12
	T3	S/P	0.77-7.70 nmol/L	10
	T4	S/P	10.23-300.00 nmol/L	10
	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
	Progesteronas	S/P	4.45-127.2 nmol/L (1.4-40 ng/mL)	15
	PRL	WB/S/P	1-100 ng/mL	10
	Testosteronas	S/P	1-10 ng/mL	15
	Kortizolis	WB/S/P	80-800 nmol/L	10
	AMH	S/P	0.02-10 ng/mL	12
Infekcija	COVID-19 Ab	WB/S/P	Kokybinis	10
	COVID-19 Ag	Niosiaryklės tepinėlis	Kokybinis	12
	COVID-19/Flu Ag Combo	Niosiaryklės tepinėlis	Kokybinis	20
	COVID-19 nAb	WB/S/P	Kokybinis	20
	CRP	WB/S/P	0.5-200 mg/L	3
	PCT	WB/S/P	0.1-100.0 ng/mL 3 p.	12
	PCT Plus	WB/S/P	0.02-50 ng/mL	12
	IL-6	WB/S/P	2-2,500 pg/mL	12
	HBsAg	WB/S/P	Kokybinis	12
	Anti-HBs	WB/S/P	Kokybinis	15
	Anti-HCV	WB/S/P	Kokybinis	12
	NORO	Išmatos	Kokybinis	12
	ROTA	Išmatos	Kokybinis	12
Rota/Adeno	Išmatos	Kokybinis	12	
Autoimuninės ligos	Anti-CCP Plus	WB/S/P	3.2-300 U/mL (pusiau kiekybinis)	12
	Bendras IgE	WB/S/P	1-1,000 IU/mL	10
Kiti testo elementai	Feritinas	S/P	10-1,000 ng/mL	10
	Vitaminas D	S/P	8-70 ng/mL	28
	Infliksimabas	WB/S/P	0.2-50 μg/mL	10
	Bendras anti-infliksimabas	S/P	8-250 AU/mL	22



IVD

AFIAS-10



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