

Sensible solution
for your patient



AFIAS

Versatile Desktop Fluorescence Immuno-analyzer

AFIAS-6

- ▶ Fast Sample-to-Answer system
- ▶ Easy to use without pipetting with proprietary C-tip
- ▶ Up to 6 different parallel tests
- ▶ Reliable test results

Specifications

QC/Calibration

- 2 calibrators & 2 controls
- Internal & external controls

Interface

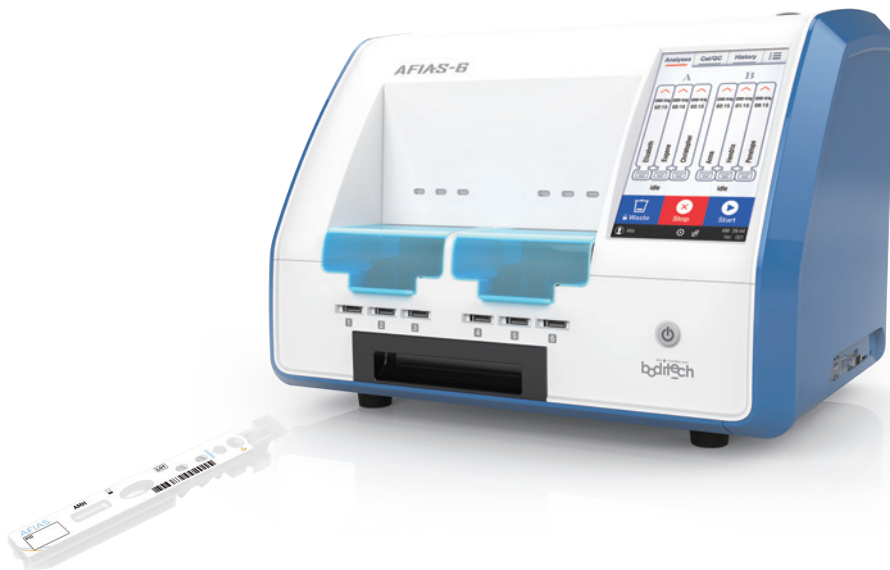
- 7" touch screen
- Built-in thermal printer
- USB port / Ethernet
- SD card slot / RS232
- LIS/HIS compatible

Memory

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

Analyzer

- 420 x 336 x 293 mm
- 15.1 kg
- 100 – 240 V AC, 50-60 Hz
- Internal temperature control



Compact All-in-one Fluorescence Immuno-analyzer

AFIAS-1

- ▶ Simple procedure with All-in-One cartridges
- ▶ Easy to use without pipetting with proprietary C-tip
- ▶ Quick test results with reliability
- ▶ Small, compact, & light

Specifications

QC/Calibration

- 2 calibrators & 2 controls
- Internal & external controls

Interface

- 5" touch screen
- Built-in thermal printer
- USB port / USB OTG port / Ethernet
- SD card slot
- LIS/HIS compatible

Memory

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

Analyzer

- 180.6 x 320.6 x 206.4 mm
- 4.0 kg
- 100 – 240 V AC, 50-60 Hz
- Internal temperature control



High-throughput Fluorescence Immunoassay with blood tube

AFIAS-10

- ▶ Sample-to-Answer from blood tube
- ▶ 10 different tests in parallel
- ▶ Emergency test first during operation
- ▶ Bidirectional LIS/HIS



Specifications

QC/Calibration

- Internal & external controls

Interface

- 10.1" touch screen
- Built-in thermal printer
- USB port / Ethernet
- SD card slot / RS232
- LIS/HIS compatible

Memory

- 10,000 patients & QC results
- 100 ID chips
- 100 User IDs

Analyzer

- 426 x 443 x 395 mm
- 20 kg
- 100-240 V AC, 50-60 Hz
- Internal temperature control

Multi testing Fluorescence Immuno-analyzer

AFIAS-3

- ▶ AFIAS system for 3 parallel tests
- ▶ Extra tip station – faster TAT
- ▶ Compact system for multiple testing
- ▶ User friendly UI



Specifications

QC/Calibration

- Internal & external controls

Interface

- 7" touch screen
- Built-in thermal printer
- USB port / Ethernet
- SD card slot / RS232
- LIS/HIS compatible

Memory

- 5,000 patients results
- 5,000 QC results
- 500 ID chips
- 100 User IDs

Analyzer

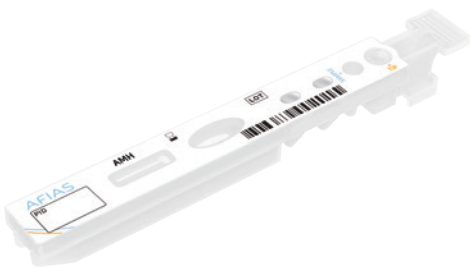
- 276 x 365 x 313 mm
- 9.3 kg
- 100-240 V AC, 50-60 Hz
- Internal temperature control

- **All-in-One Cartridge**

Ready-to-use reagent (single test format)

- Storage : 2-30 °C* for 20 months
- Sample type : Serum / Plasma / Whole blood
- Packing unit : 24 tests/Kit
- Test time : 3-22 min/each

* Some cartridges should be stored in 2-8 °C



- **Compatible with whole blood from finger prick* or venous draw**

- No syringes
- No pipettes
- No collection tube
- No centrifuge



* Finger prick blood testing is available for
AFIAS D-Dimer / AFIAS Infliximab / AFIAS Free Anti-Infliximab / AFIAS Adalimumab / AFIAS Free Anti-Adalimumab

- **3 simple steps**



OR



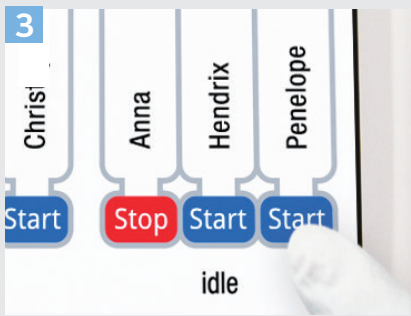
Step 1

Collect blood



Step 2

Place the C-tip



Step 3

Press START

AFIAS Parameters

Category	Item	AFIAS-1	AFIAS-6	AFIAS-3 AFIAS-10	Sample type	C-tip	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	●	●		WB/S/P		0.5-100 ng/mL	15
	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
	Cyfra21-1	●	●	●	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* New	●	●	●	WB/S/P		20-3,000 pg/mL	20
	PTH	●	●	●	WB/S/P		30-3,000 pg/mL	17

* No CE mark

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

AFIAS Parameters

Category	Item	AFIAS-1	AFIAS-6	AFIAS-3 AFIAS-10	Sample type	C-tip	Working range	Test time (min)
Infection	CRP	●	●	●	WB/S/P	●	0.5-200 mg/L	3
	MxA/CRP	●	●	●	WB	●	MxA: 10-300 ng/mL CRP: 1-200 mg/L	12
	PCT	●	●	●	WB/S/P		0.1-100 ng/mL	12
	PCT X	●	●	●	WB/S/P		0.1-100 ng/mL	12
	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) New		●	●	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® New	●	●	●	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

* No CE mark

** IGRA-TB Tube required

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

C = Colony tested from isolated bacterial colonies on culture plates