

FIAflexTM

Fluorescence Immunoassay System



FIAflex™ Fluorescent Immunoassay Analyzer

Time-resolved Fluorescence immunoassay (TR-FIA) technology based on europium fluorescent particles

Internal thermal printer

7" Large color touch screen
User-friendly interface

Small size: 3.5 lbs. (1.6 kg)

LIS/HIS connectivity

No additional cleaning is required

Room-temperature operation

No need of ID Chip, automatic strip recognition by reading the QR code on the cassette

Reagents can be stored and transported at a wide temperature range (2-30°C)

Results in 5-15 minutes

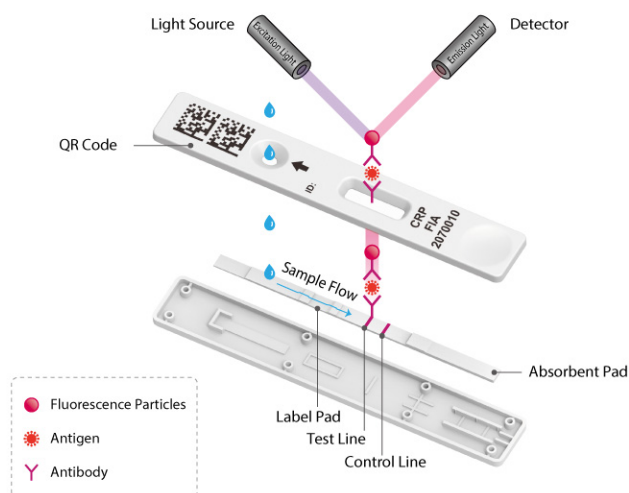
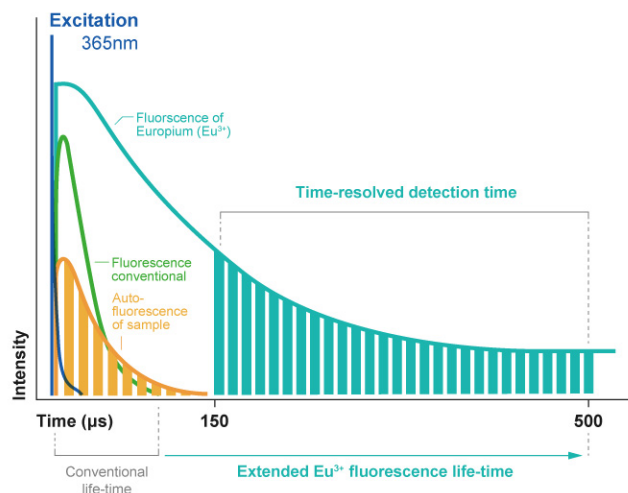


Specifications

Technology	Immunofluorescent
Results Memory	2,000 tests
Operators Memory	100 operators
Analyzer Ports	Standard RS232C port for barcode reader or External Printer USB port for data transfer LAN port for data transfer WLAN port for data transfer
Connection Capabilities	Internal Thermal Printer (included), Optional External Printer (not included), RS232C Barcode Reader (optional), USB Data Transfer Cable (optional)
Communication	HL-7 or POCT1-A2 or ACON protocol
Major Readable Barcodes	Code 39 (Standard/ Full ASCII), Codabar (NW-7), Code 128, Italy Pharmacode, UPCA, EAN 128, French Pharmacode, UPCE, MSI, Industrial 25, EAN8, Plessey, Interleave 25, EAN13, Telepen, Matrix 25, Code 93, RSS
Analyzer Operating Conditions	0 – 40 °C (32 °F -104 °F); 10%-90% Relative Humidity (non-condensing); ≤2000m Altitude (Atmospheric pressure 80kPa –106kPa)
Analyzer Storage Conditions	-20 °C – 55 °C (- 4 °F – 131 °F); 10%-90% Relative Humidity (non-condensing); ≤2000m Altitude (Atmospheric pressure 80kPa –106kPa)
Power Source	Analyzer: DC 12V 5A Adapter: Input: 100-240 VAC, 50/60 Hz, 1.4-0.7 A Output: 12 VDC, 5.0 A, 60 W Max
Weight	3.5 lbs. (1.6 Kg)
Dimensions (L x W x H)	21.5cm×25.4cm×10.9cm(8.5"×10"×4.3")
Display Dimensions (L x W)	15.4cm×8.6cm(6.1"×3.4")

Technical Principle

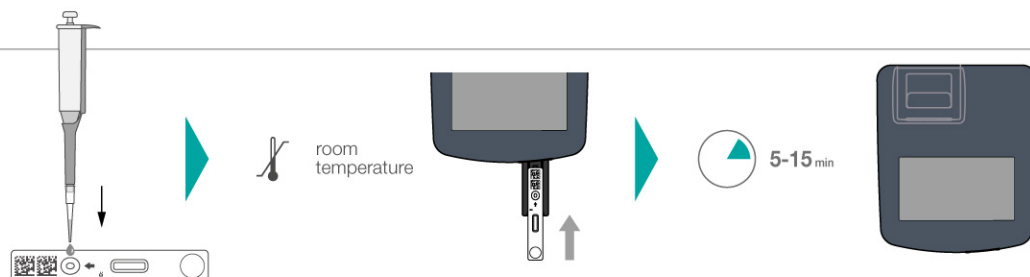
FIAflex™ system is using time-resolved fluorescence immunoassay (TR-FIA) that is suggested as more sensitive than conventional fluorometric method. TR-FIA uses europium ion (Eu^{3+}) as fluorescent particles. Eu^{3+} shows an extended fluorescence lifetime and stable fluorescent signal, which enable the fluorescent emission to be read at a time well after any background fluorescence has decayed. Thus the background noise is decreased and the assay sensitivity is significantly improved.



Dual Testing Options

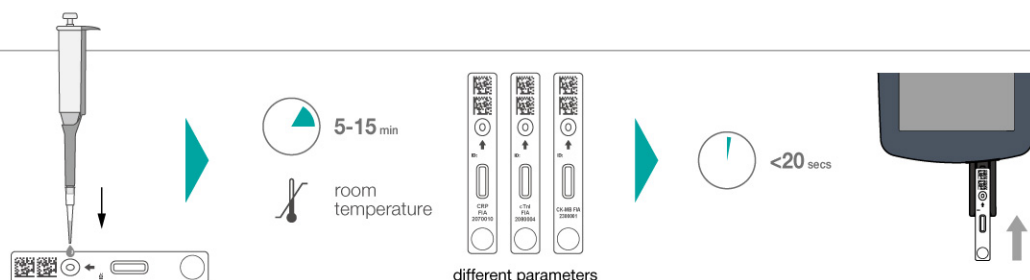
For WALK AWAY Mode

- For single test
- Easy to operate



For READ NOW Mode

- High throughput for multiple tests
- Automatic identifying different test items



Ordering Information

Product Name	Catalogue	Components		Package	Certification
FIAflex Fluorescent Immunoassay Analyzer (Without Barcode Reader)	F111-10111-201	1 Analyzer 1 Power Cord 1 Quick Start Guide	1 User Manual 2 Printer Paper Rolls	1 Set/Carton	CE
FIAflex Fluorescent Immunoassay Analyzer (With Barcode Reader)	F111-10211-201	1 Analyzer 1 Power Cord 1 Quick Start Guide	1 User Manual 2 Printer Paper Rolls 1 Barcode Reader	1 Set/Carton	CE
FIAflex Optical Check Cassette	F121-10111-201	5 Optical Check Cassettes	1 Package Insert	30 Kits/Carton	CE
FIAflex Barcode Reader	F121-20111-201	1 Barcode Reader	1 Package Insert	4 Kits/Carton	CE
FIAflex Data Transfer Kit	F121-30111-201	1 Data Transfer Cable	1 Package Insert	8 Kits/Carton	CE

FIAflex™ Parameters



Category	Product Name	Catalogue	Specimen	Specimen Volume	Reaction Time	Working Range	Package (Tests/Kit)	Certification
Diabetes and Renal Function	HbA1c FIA Test	F131-30111	WB	10 µL	5 min	2.0% - 14.0%	25T	CE,IFCC,NGSP
	Microalbumin FIA Test	F131-30211 (Without transfer tubes)	Urine	10 µL	10 min	3.0-300.0 mg/L	25T	CE
		F131-30221 (With transfer tubes)	Urine	10 µL	10 min	3.0-300.0 mg/L	25T	CE
Thyroid Function	TSH FIA Test	F131-20111	S/P/WB	50 µL	15 min	0.1-100 µIU/mL	25T	CE
	T3 FIA Test	F131-20211	S/P	80 µL	15 min	0.5-12 nmol/L	25T	CE
	T4 FIA Test	F131-20311	S/P/WB	20 µL	15 min	10.0-350 nmol/L	25T	CE
	fT3 FIA Test	F131-20511-201	S/P/WB	80 µL	15 min	0.8-61 pmol/L	25T	/
	fT4 FIA Test	F131-20411-201	S/P/WB	30 µL	15 min	1.0-100.0 pmol/L	25T	/
Fertility	β-hCG FIA Test	F131-21011	S/P/WB	50 µL	15 min	2.0-50000 mIU/mL	25T	CE
	AMH FIA Test	F131-21711-201	S/P/WB	S/P: 20 µL WB: 40 µL	15 min	0.05-30 ng/mL	25T	/
	FSH FIA Test	F131-21211-201	S/P	40 µL	15 min	0.5-100 mIU/mL	25T	/
	LH FIA Test	F131-21111-201	S/P	40 µL	15 min	0.5-100 mIU/mL	25T	/
	PRL FIA Test	F131-21611-201	S/P	40 µL	15 min	6-4240 µIU/mL	25T	/
Cardiac Markers	cTnl FIA Test	F131-40111	S/P/WB	100 µL	10 min	0.1-50 ng/mL	25T	CE
	CK-MB FIA Test	F131-40211	S/P/WB	100 µL	10 min	1-80 ng/mL	25T	CE
	Myoglobin FIA Test	F131-40311	S/P/WB	35 µL	10 min	20-1000 ng/mL	25T	CE
	NT-proBNP FIA Test	F131-40511	S/P/WB	100 µL	15 min	15-30000 pg/mL	25T	CE
	cTnl/CK-MB/Myo FIA Test	F131-40611	S/P/WB	100 µL	12 min	cTnl: 0.1-50 ng/mL CK-MB: 1-80 ng/mL Myo: 20-1000 ng/mL	25T	CE
Coagulation	D-Dimer FIA Test	F131-40411	P/WB	35 µL	10 min	0.1-10 mg/L	25T	CE
Inflammation	CRP FIA Test	F131-50111	S/P/WB	10 µL	5 min	0.5-200 mg/L	25T	CE
	PCT FIA Test	F131-50211	S/P/WB	35 µL	15 min	0.1-100 ng/mL	25T	CE
	IL-6 FIA Test	F131-50311	S/P/WB	100 µL	15 min	3-4000 pg/mL	25T	CE
Gastrointestinal Diseases	Gastrin-17 FIA Test	F131-60211-202	S/P	80 µL	15 min	0.5-40 pmol/L	25T	/
Allergen	T-IgE FIA Test	F131-90211-202	S/P	20 µL	15 min	3-1000 IU/mL	25T	/
Others	Vitamin D FIA Test	F131-90111	S/P	100 µL	15 min	8-130 ng/mL	25T	CE
Respiratory Disease	SARS-CoV-2 Antigen FIA	F131-10111 (Buffer in individual tubes)	Nasal swab/NP swab	/	15 min	Qualitative	25T	CE
		F131-10121 (Buffer in big bottles)	Nasal swab/NP swab	/	15 min	Qualitative	25T	CE
	Influenza A/B FIA	F131-10211	Nasal swab/NP swab/throat swab	/	15 min	Qualitative	25T	CE
	SARS-CoV-2 & Influenza A/B Ag Combo FIA	F131-10311	Nasal swab/NP swab	/	15 min	Qualitative	25T	CE
	SARS-CoV-2 Neutralizing Antibody FIA	F131-10411	S/P/WB	50 µL	15 min	Qualitative	25T	CE

Upcoming Products



Gastrointestinal Disease

- PG-I/PG-II
- H. pylori IgG
- H. pylori Ab
- H. pylori Ag



Allergen

- Seafood slgE
- Animal protein slgE
- Tree Pollen slgE
- Weed Pollen slgE
- Animal Pelt slgE
- Indoor Allergen slgE
- Food Nuts slgE
- Fruit slgE



Hormones

- Progesterone
- Testosterone
- E2
- INHB



Vector Borne Disease

- Dengue NS1 Ag FIA Test
- Dengue IgG/IgM FIA Test



Others

- Vitamin B12



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PANTONE 326 C



CMYK

Attention: By approving the enclosed design draft, you (ACON's Customer) accept all responsibility for the accuracy of the design. If an error is detected following the printing or manufacturing of a material, you (ACON's Customer) are responsible for the cost of any inventory which is deemed unsuitable for sale and/or not compliant with local regulations .

☐ US

☒ OUS

☐ DOMESTIC

☐ OTHER

Description	FIAflex all in one sell sheet	Part Number	1151500501	Size	420x280mm
Printing Contents		L Number		Size	
Designer	Aileen	Design Date/Version	Mar 12, 2024 / Y		
Artwork checked by		Material	230g 双铜 +油性上光	Checked by	
Approved by Customer		Approved by Marketing/Sales			
Approved by P.M.T.		Approved by QA		Effective Date	