

# Specifications

- Model:** FA-160
- Methodology:** Immunofluorescence Assay
- Precision:** CV ≤ 3%
- Throughput:** 15-20 Samples
- Sample Type:** Whole Blood, Serum, Plasma
- Storage:** 10,000 Test Results
- Connection:** USB, RS-232, LIS Compatible
- Operation Condition:** Temperature 10~30 °C  
Humidity ≤ 80%
- Lithium Battery:** 5200 mAh



**Printer:**  
Thermal Printer(58mm)

**User Interface:**  
5" TFT True Color LCD Touch Screen

**Input:**  
Barcode Scanner/RFID Card

**Power Supply:**  
AC 100V-240V, 50/60Hz, ≤50VA

**Weight:** 2.7kg

6 Test Channels



 **MEDISTA**

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Sub Distributor :



## Lifotronic FA-160

# Immunofluorescence Analyzer



 **Lifotronic**

## Product Features

### Fluorescence Quantification

Lifotronic FA-160 is an immunofluorescence-based diagnostic system to measure cardiac diseases, infectious diseases and other major life-style related diseases through testing concentration of various analytes in blood samples.

### Easy Operation

No sample pre-treatment required. Only one step to add sample, 6 incubation channels with auto timing reminder, get results in 16 minutes.

### Precise & Reliable

Precision: CV ≤ 3%, Repeatability: CV ≤ 2%, Stability: CV ≤ 5%

### Smart Input

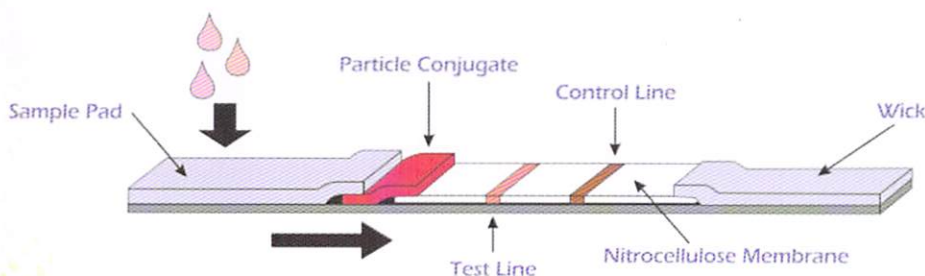
Automatically load lot and test strip information through the RFID card and the scanner.

### Data Capacity

Stores a maximum of 10000 test results.

## Advanced Technology & Methodology

Immunochromatography Assay

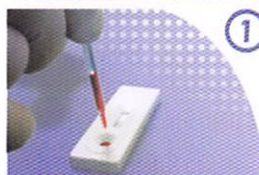


## 6 Incubation Channels

### Lifotronic FA-160 has its own incubation channels

- Incubating 6 samples simultaneously
- Auto numbering to avoid mistakes
- Constant temperature incubating with auto timing reminder

## Test Procedure



① Add blood sample to the test strip.



② Put the test strip into the incubation channel.



③ After incubation, put the test strip into the test channel.



④ Samples tested and results printed.

Test Item	Disease	Sample Type	Reaction Time	Measurement Range
D-Dimer	Thrombus	Whole Blood, Plasma	3 Min	0.1-10mg/L
HbA1c	Diabetes	Whole Blood	15 Min	4%-16%
NT-proBNP		Whole Blood, Serum, Plasma	15 Min	18-35000pg/mL
cTnI		Whole Blood, Serum, Plasma	15 Min	0.05-40ng/ml
MYO	Cardiac Markers: Myocardial Infarction, Heart Failure	Whole Blood, Serum, Plasma	15 Min	2-400ng/mL
CK-MB		Whole Blood, Serum, Plasma	15 Min	5-100ng/mL
H-FABP		Whole Blood, Serum, Plasma	15 Min	2-120ng/mL
Hs-CRP		Whole Blood, Serum, Plasma	3 Min	0.1-20mg/L
mAlb	Kidney Diseases	Urine	3 Min	5-250mg/L
Cys-C		Whole Blood, Serum, Plasma	15 Min	0.12-10mg/L
PCT	Inflammation	Whole Blood, Serum, Plasma	15 Min	0.1-100ng/mL
CRP		Whole Blood, Serum, Plasma	3 Min	0.5-240mg/L
HCG	Pregnancy Test	Whole Blood, Serum, Plasma	3 Min	5-20000mIU/mL
T3	Thyroid Function	Serum, Plasma	15 Min	0.5-9nmol/L
T4		Serum, Plasma	15 Min	10-300nmol/L
TSH		Serum, Plasma	15 Min	0.1-100mIU/L

2in1 Test Items	Disease	Sample Type	Reaction Time	Measurement Range
cTnI+CK-MB	Cardiac Markers: Myocardial Infarction, Heart Failure	Whole Blood, Serum, Plasma	15 Min	0.05-40ng/ml 1-100ng/ml
Malaria: Plasmodium Falciparum/ Plasmodium Vivax	Malaria	Whole Blood, Serum, Plasma	10 Min	97.3% (Misdiagnosis Rate) 92.5% (Misdiagnosis Rate)