



Rapid  
Accurate  
Convenient  
Reliable  
Popular  
Expansive

## BIOT-YG-I FIA Analyzer

Fluorescence Immunoassay Rapid Quantitative Test

# BIOT-YG- I FIA Analyzer

BIOT-YG-I FIA Analyzer is a fluorescence immunoassay analysing system which can help diagnose conditions such as cardiovascular diseases, pregnancy, infection, diabetes, renal injury and cancers, etc.

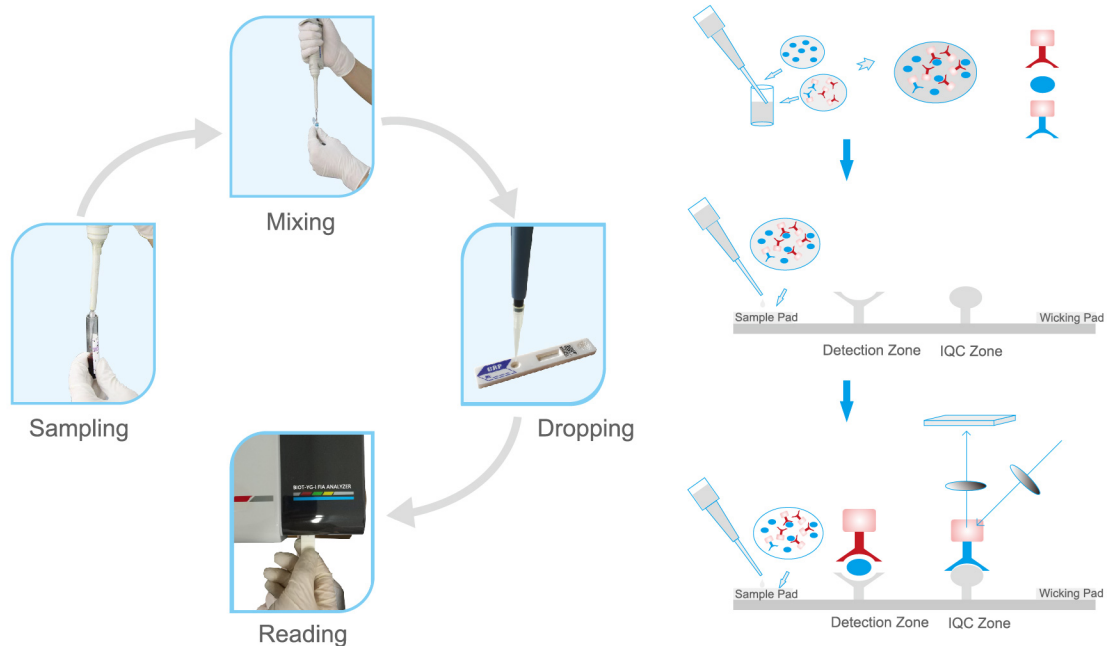
The BIOT-YG-I platform provides reliable and quantitative results of various kinds of analytes in human blood and urine within several minutes.

Application: Cardiology, ER, ICU, Respiratory, Pediatrics, Laboratory, etc.

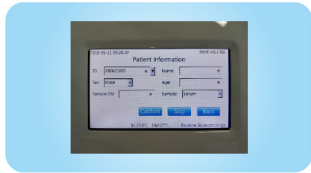
## Test Item

- **Thyroid**  
TSH, TT3, TT4
- **Cardiac**  
cTnI, Myo, CK-MB, h-FABP,  
D-Dimer, NT-proBNP,  
3 in 1(cTnI+Myo+CK-MB)  
5 in 1(cTnI+Myo+CK-MB+  
NT-proBNP+D-Dimer)
- **Tumor**  
AFP, CEA , 2 in 1(CEA/AFP) , tPSA
- **Infection**  
2 in 1(SAA/CRP)  
PCT, CRP (hsCRP+CRP), SAA
- **Diabetes & Renal Injury**  
HbA1c, MAU, NGAL, Cys-C
- **Hormone**  
 $\beta$ -hCG, PROG, TES, FSH, LH, PRL  
3 in 1(FSH+LH+PRL)  
AMH
- **Others**  
FERR
- **Ongoing**  
E2, FT3, FT4  
IgE, Tg, TgAb,  
CP, INS, 25-OH-VD

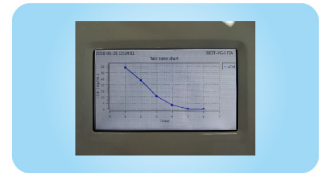
## Principle and Operation



# Why Choose BIOT-YG



Easy to input patient information



Help doctor prognose according to trend tracking

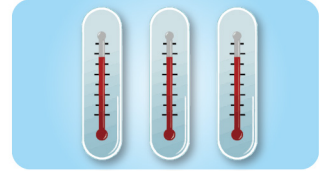
Trend tracking

Patient information input

Constant temperature control

Strong compatibility

Emergency battery



Make test result accurate and stable



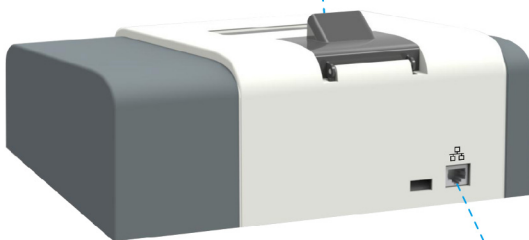
Developed for all BIOTIME's products



Equipped with battery for power failure or ambulance

## Built-in Thermal Printer

Real-time printing



## LIS Connection

Direct connection to LIS / HIS

## 4.3" LCD Touch Screen

Dimensions:

280(L) x 256(W) x 102(H)mm

Weight:

2.9kg

Power adapter:

100-240AC, 50-60Hz



## Test Channel

The Test Cartridge Holder

## SD Card

The SD Card contains all information of test item and lot number

# BIOT-YG- I Test Markers

Product Class	Test Item	Diseases	Specimen Type	Reaction Time	Linear Range	Clinical Reference	Qualification
Cardiac	cTnI	Myocardial Infarction	WB/Plasma	15 min	0.05-50ng/mL	0-0.3ng/mL	CFDA ISO13485 CE
	Myo	Myocardial Infarction	Serum/Plasma	15 min	2.5-400ng/mL	0-55ng/mL	CFDA ISO13485 CE
	CK-MB	Myocardial Infarction	Serum/Plasma	15 min	1-80ng/mL	0-5ng/mL	CFDA ISO13485 CE
	3 in1 (cTnI/Myo/CK-MB)	Myocardial Infarction	WB/Plasma	15 min	Same as individual item	Same as individual item	CFDA ISO13485 CE
	5 in1 (cTnI/Myo/CK-MB/D-Dimer/NT-proBNP)	Myocardial Infarction	WB	15 min	Same as individual item	Same as individual item	CFDA ISO13485 CE
	D- Dimer	Thrombosis	WB/Plasma	3 min	0.1-10mg/L	0-0.5mg/L	CFDA ISO13485 CE
	NT-proBNP	Heart Failure	WB/Serum/Plasma	15 min	15-35000pg/mL	>75yrs 300pg/mL <75yrs 450pg/mL	CFDA ISO13485 CE
Tumor	hFABP	Myocardial Infarction	Serum/Plasma	15 min	2-120ng/mL	0-7ng/mL	CFDA ISO13485
	2 in 1(AFP/CEA)	Cancer	Serum/Plasma	10 min	Same as individual item	Same as individual item	CFDA ISO13485
	AFP	Cancer	Serum/Plasma	10 min	3-2000ng/mL	0-10ng/mL	CFDA ISO13485 CE
	CEA	Cancer	Serum/Plasma	10 min	1-500ng/mL	0-5ng/mL	CFDA ISO13485
Infection	tPSA	Cancer	Serum	15 min	0.5-200ng/mL	0-4ng/mL	CFDA ISO13485
	PCT	Sepsis	WB/Serum/Plasma	15 min	0.1-100ng/mL	0-0.5ng/mL	CFDA ISO13485 CE
	hs-CRP/CRP	Inflammation	WB/Serum/Plasma	3 min	0.5-200mg/L	CRP:0-10mg/L hsCRP:0-1mg/L	CFDA ISO13485 CE
	SAA	Inflammation	WB/Serum/Plasma	3 min	3-200mg/L	0-10mg/L	CFDA ISO13485
Hormone	2 in 1(SAA/CRP)	Inflammation	WB/Serum/Plasma	3 min	Same as individual item	Same as individual item	CFDA ISO13485
	β-hCG	Fertility	Serum/Plasma	10 min	5-20000mIU/mL	0-10mIU/mL	CFDA ISO13485 CE
	PROG	Fertility	Serum	10 min	3-80ng/mL	Male NG-1.4 FP NG-1.5 OP 0.8-3.0 LP 1.7-27.0 MP NG-0.8 ETP 8.6-49.36 STP 12.5->80 LTP 59.62->80	CFDA ISO13485 CE
	3 in 1(FSH/LH/PRL)	Infertility	Serum	20 min	Same as individual item	Same as individual item	CFDA ISO13485 CE
	TES	Infertility	Serum	10 min	0.2-20ng/mL	Male 2.6-10.45ng/mL Female 0.27-0.95ng/mL	CFDA ISO13485 CE
	FSH	Infertility	Serum	20 min	1-200mIU/mL	Male 1.25-13.50 FP 0.45-15.55 OP 5.35-24.80 LP 1.65-10.25 MP 24.60-42.50	CFDA ISO13485 CE
	LH	Infertility	Serum	20 min	1-200mIU/mL	Male 1.50-9.25 FP 1.25-11.80 OP 13.15-94.75 LP 1.05-14.50 MP 7.70-64.20	CFDA ISO13485 CE
	PRL	Infertility	Serum	20 min	1-4000 μIU/mL	Male 86.30-425.72 μIU/mL Female 72.55-600.40 μIU/mL	CFDA ISO13485 CE
Thyroid	AMH	Fertility	Serum	10 min	0.1-25ng/mL	Male >20yrs 1.4-12.0mg/L Female 10-20yrs 1.0-10.0mg/L 31-40yrs 0.5-8.0mg/L 41-50yrs <3.0mg/L	CFDA ISO13485
	TT3	Thyroid Malfunction	Serum	15 min	0.8-10nmol/L	1.0-2.8nmol/L	CFDA ISO13485 CE
	TT4	Thyroid Malfunction	Serum/Plasma	15 min	20-320nmol/L	58-140nmol/L	CFDA ISO13485 CE
	TSH	Thyroid Malfunction	Serum/Plasma	20 min	0.5-100 μIU/mL	0.5-5 μIU/mL	CFDA ISO13485 CE
Diabetes& Renal injury	HbA1c	Diabetes Mellitus	WB	5 min	4-15%	4-6.5%	CFDA ISO13485 CE
	MAU	Renal Injury	Urine	10 min	2-300mg/L	0-20mg/L	CFDA ISO13485 CE
	NGAL	Renal Injury	Urine	10 min	20-5000ng/mL	0-100ng/mL	CFDA ISO13485
Others	Cys-C	Renal Injury	Plasma	5 min	0.4-8mg/L	0-1.2mg/L	CFDA ISO13485
	FERR	Anemia	Serum	15 min	2-1000ng/mL	Male: 16-220ng/mL Female:10-125ng/mL	CFDA ISO13485

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