IVD CE

Getein1100

Immunofluorescence Quantitative Analyzer

PREMIUM POINT-OF-CARE SOLUTION

Getein Biotech, Inc.

Getein1100

Immunofluorescence Quantitative Analyzer

Printer
Screen
Testing entry
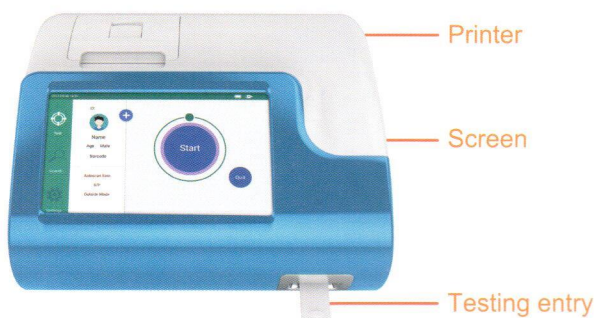
▷ High-efficiency&Accuracy
Advanced Fluorescence immunoassay and multiple quality control adopted.

▷ Real-time Testing
Results in about 2-15 minutes after sampling.
Results in 5 seconds when multi-item testing after cards inserted into the analyzer.

▷ 7 Inch Touch Screen, User-friendly Interface and Simple Operation
More user-friendly interface with Android system inbuilt
Inside and outside mode optional depends on customers' demand
Special code scanning identification. Data printing and uploading automatically.

▷ Wide Applications
Small in size, light in weight and lithium battery inbuilt supporting its running in many environments

▷ Comprehensive Detection Items for Diseases Management
More than 10 matching reagents covering Cardiac, Inflammation, Renal function and Diabetes care etc.

Test Items

Cardiac	cTnI NT-proBNP	CK-MB/cTnI/Myo	H-FABP
	CK-MB/cTnI	CK-MB	CK-MB/cTnI/H-FABP
Venous Thromboembolism	D-Dimer		
Inflammation Monitoring	hs-CRP+CRP PCT		
Diabetes Care	HbA1c		
Renal Function	mAlb β$_2$-MG	CysC	NGAL
Hormone	TSH TSH/T3/T4*		

*Under developing

Application Departments
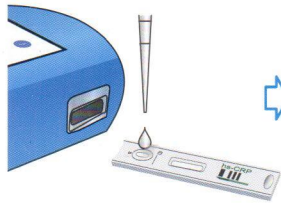
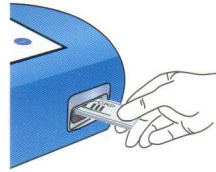The analyzer can be widely applied to many clinical departments as follows:

- Cardiology Dept.
- Clinical Laboratory.
- Emergency Dept.
- ICU
- Oncology Dept.
- Nephrology Dept.
- Pediatrics Dept.
- Endocrinology Dept.
- Gynecology Dept.
- Respiratory Dept.
- Gastroenterology Dept.
- Urology Dept.

Flexible Operation Modes

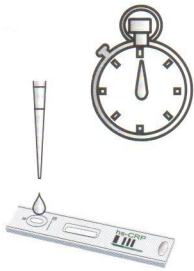## Inside Mode (single sample rapid test mode)

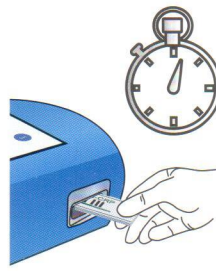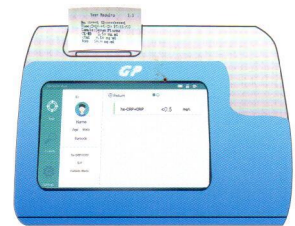| Sample Dispense | Test Card Insert | Click "Start" Icon | Result Show and Print |

Quick mode (mass samples rapid test mode)

| Sample Dispense | Timing the Reaction Manually | Click "Start" Icon | Result Show and Print |

Technical Data

|	
Assay Method	Lateral flow chromatography (Immunofluorescence)
Test Result	Quantitative
Language	English/Chinese
Display	7 inch touch screen
Printer	Internal thermal printer
Working Environment	Temperature: +15 °C ~35 °C Humidity: 10%~85% Air pressure: 70.0 kPa~106.0 kPa
Power Supply	AC100 V~AC240 V, 50 Hz~60 Hz, 60 VA
Storage Capacity	10,000 data (Max)
Dimensions	261 mm×241 mm×115 mm (D×W×H)
Weight	1.9 kg

HbA1c

The golden standard in the evaluation of Glycemic control

Fast Test Kit

→ Clinical Applications

- Early screening and diagnosis of diabetes
- Evaluation of Glycemic control
- Prediction of chronic diabetic complications
- Identification of stress hyperglycemia and diabetes
- Diagnosis and treatment of GDM, etc.

$y = 0.9445x + 0.3031$
$R^2 = 0.9577$
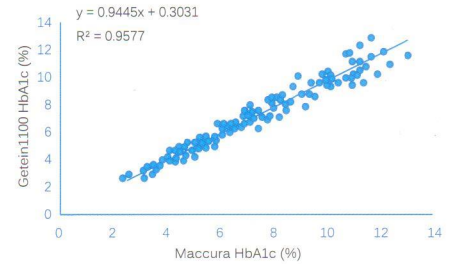
The liner regression curve

cTnI

The golden standard in the diagnosis of Acute Myocardial Infarction (AMI)

Fast Test Kit

→ Clinical Applications

- As an aid in the early diagnosis of acute myocardial infarction (AMI)
- Acute myocarditis, unstable angina, acute coronary syndrome(ACS)
- Evaluate the severity of myocardial damage
- As an aid in the prognosis of ACS

$y = 0.9616x + 0.8927$
$R^2 = 0.9678$
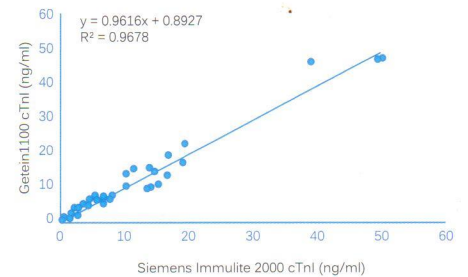
The liner regression curve

CK-MB/cTnI/Myo

Combining the advantages of three biomarkers, higher sensitivity and specificity, lower rate of missed diagnosis and misdiagnosis
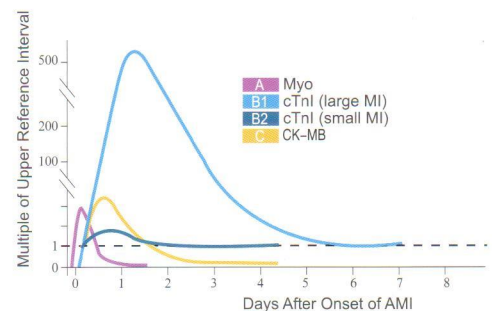
Fast Test Kit

→ Clinical Applications

- Identification and diagnosis of ACS patients suspected
- Evaluating the efficacy of Myocardial-Reperfusion
- Aid in the detection and assessment of AMI to the chest pain
- Monitoring the clinical curative effect of therapeutic drug

A	Myo
B1	cTnI (large MI)
B2	cTnI (small MI)
C	CK-MB

Cardiac Marker Release Patterns

→ Product Advantages

- Combined advantages of three biomarkers with higher sensitivity and specificity
- Three biomarkers in one cartridge simplified test operation
- As an aid in clinic to lower the rate of missed diagnosis and misdiagnosis to guarantee early diagnosis and prevention

hs-CRP+CRP

The sensitive indicator for diagnosis and identification of virus infection or bacterial infection

⮕ Clinical Applications

- Diagnosis and identification of virus infection or bacterial infection
- Detection of severity of conventional inflammation
- Monitoring of postoperative infection and complication
- Prediction of cardiovascular event risk probability

$y = 1.0651x - 3.8257$
$R^2 = 0.9423$
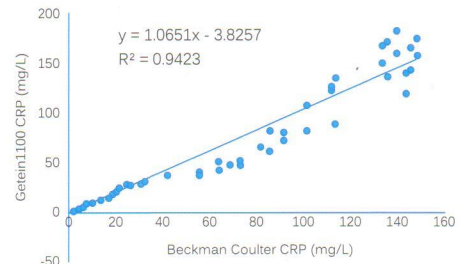
The liner regression curve

mAlb

As a predictor of clinical diabetic nephropathy

⮕ Clinical Applications

- Indicator of Diabetes nephropathy, hypertensive nephropathy and early renal damage
- An early indicator of changes in renal and cardiovascular system
- Detection of Pregnancy-induced renal disease
- An important indicator in diagnosing glomerular injury

$y = 0.9954x + 1.1552$
$R^2 = 0.9847$
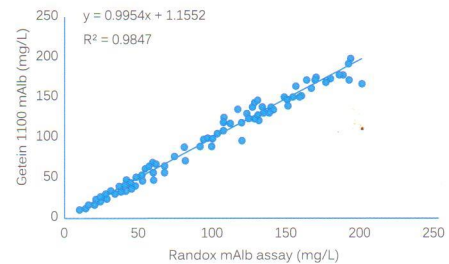
D-Dimer

The specific indicator for the exclusion of venous thromboembolism (VTE)

⮕ Clinical Applications

- Aid in the exclusion of venous thromboembolism (VTE)
- Aid in the exclusion of pulmonary embolism (PE)
- Aid in the diagnosis of disseminated intravascular coagulation (DIC)
- Aid in the diagnosis of acute coronary syndrome (ACS)
- Aid in the evaluation of coagulation status of pregnancy-induced hypertension
- Aid in the diagnosis and prognosis of patients with surgery; monitor the thrombolytic therapy.

$y = 0.9442x + 0.0859$
$R^2 = 0.9567$
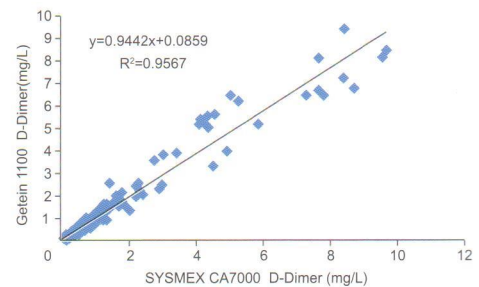
The liner regression curve

NT-proBNP

The ideal biomarker for the evaluation of the heart function

⮕ Clinical Applications

- Early detection for patients with heart failure
- Diagnosis and risk stratification of heart failure
- Distinguishing dyspnea caused by heart failure from other disease
- Monitoring and prognostic assessment of heart failure treatment
- Screening and diagnosis for non-cardiac heart failure patients
- As an aid in the risk stratification for ACS

$y = 0.9632x + 154.1624$
$R^2 = 0.9767$
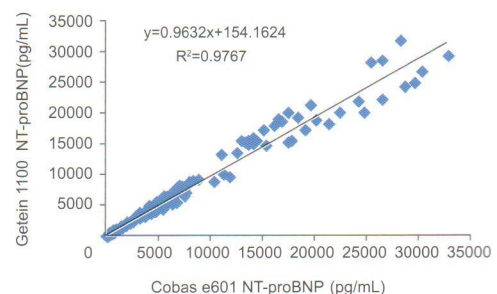
The liner regression curve

Getein1100 Test Items

Cat.#	Test Item	Disease	Measuring Range	Sample	Cut-off Value	Reaction Time	Qualification
IF 1001	cTnI	Myocardial infarction	0.1~50.0 ng/ml	S/P/W.B.	0.1 ng/ml	10 min	CE CFDA
IF 1002	NT-proBNP	Heart failure	100~35000 pg/ml	S/P/W.B.	300 pg/ml	10 min	CE CFDA
IF 1003	hs-CRP+CRP	Cardiovascular inflammatory diseases; Inflammatory disorders	0.5~200.0 mg/L	S/P/W.B./ Fingertip blood	3 mg/L 10 mg/L	3 min	CE CFDA
IF 1005	CK-MB /cTnI /Myo	Myocardial injury	2.5~80.0 ng/ml 0.1~50.0 ng/ml 30~600.0 ng/ml	S/P/W.B.	5 ng/ml 0.1 ng/ml 70 ng/ml	10 min	CE CFDA
IF 1006	D-Dimer	Venous thromboembolism; Pulmonary embolism	0.1~10.0 mg/L	P/W.B.	0.5 mg/L	10 min	CE CFDA
IF 1007	PCT	Sepsis; Septic shock	0.1~50 ng/ml	S/P/W.B.	0.1 ng/ml	15 min	CE CFDA
IF 1008	CysC	Early diagnosis of kidney disease; Detection of kidney damage for surgery patients	0.5~10.0 mg/L	S/P/W.B.	0.51~1.09 mg/L	3 min	CE CFDA
IF 1009	mAlb	Early diagnosis and evaluation of diabetic nephropathy	10~200 mg/L	Urine	20 mg/L	3 min	CE CFDA
IF 1010	NGAL	The best indicator of early renal injury	50~5000 ng/ml	S/Urine	Serum:200 ng/ml Urine:100 ng/ml	10 min	CE CFDA
IF 1011	β_2-MG	Kidney damage for diabetic & hypertensive patients	0.5~20.0 mg/L	S/P/W.B.	0.8~3.0 mg/L	3 min	CE CFDA
IF 1012	CK-MB/cTnI	Myocardial injury	2.5~80.0 ng/ml 0.1~50.0 ng/ml	S/P/W.B.	5 ng/ml 0.1 ng/ml	10 min	CE
IF 1014	H-FABP	Acute Myocardial Infaration, Heart Failure	1.0~120.0 ng/ml	S/P/W.B.	3.94 ng/ml	3 min	CE CFDA
IF 1017	HbA1c	Diabetes mellitus	2%~14%	W.B.	3.8%~5.8%	5 min	CE CFDA NGSP
IF 1018	CK-MB	Myocardial injury	2.5~80.0 ng/ml	S/P/W.B.	5 ng/ml	10 min	CE
IF 1024	TSH	Thyroid diseases	0.1-50.00 µIU/ml	S/P	0.27-4.2 µIU/ml	15 min	CE