RAPID CARDIAC MARKER TESTS - cTnI (Troponin I), h- FABP, CK-MB, NT-proBNP, hs-CRP

RAPID THROMBOSIS TEST - D-Dimer

cTnI - The gold standard of quick test for AMI! The “Gold Standard” for diagnosing acute myocardial infarction (AMI) and the “Key Indicator” of prognosis; The hierarchical indicator for risk of acute coronary syndrome (ACS);

h- FABP - A major breakthrough for early detection of AMI! The ideal index indicator for early diagnosis of acute myocardial infarction (AMI);

CK-MB - The most common myocardial marker in clinical practice! The most commonly used test index for evaluating the risk of acute coronary syndrome; The important index for diagnosing acute myocardial infarction (AMI); The monitoring tool for microinvasive coronary intervention and coronary bypass grafting;

NT-proBNP - The best cardiac marker for diagnosing patients with heart failure

hs-CRP - An important indicator for cardiac examination! hs-CRP is clinically used for assessing the risk of incidence of coronary heart disease

D-Dimer - The best bedside test for thrombosis! Screen for deep venous thrombosis (DIV) and pulmonary embolism (PE);

The Cardiac Marker Test Card is uniquely innovative and the perfect answer to the dreams of Cardiologists and Heart Specialists for rapid identification of cardiac problems in Emergency Departments, Critical Care Units, Point of Care and other Healthcare Settings.

Significantly reduces the time to treatment of heart patients The more quickly you identify high-risk ACS, the sooner therapy can begin, saving time, money, heart muscle and precious human lives.

The Cardiac Marker tests are simple, hand held cardiac marker panel tests which support the ACC / AHA guidelines and recommendation for diagnosis of MI. These clinically proven products quickly and accurately determine elevations of multiple cardiac markers - enabling health care providers to easily assess and diagnose chest pain at the decision point.

Providing time critical diagnostic information within 10 minutes!

CK-MB (Creative Kimose) and Troponin I are proteins formed in Cardiac Muscle cells which are released into the blood upon damage or death of cardiac tissue. The use of these markers is, therefore, complimentary since they detect cardiac tissue damage over a wide range of times after Myocardial Infarction.

Directions for Use:

- Bring all materials and specimen to room temperature
- Open the foiled pouch, remove the test card and lay it on a level surface.
- Using a dropper (pipette) add 3 drops (120 µ) of whole blood, plasma or serum into each indicator’s sample well
- Read the result after 10 minutes

Note: Please deliver sample drop by drop to ensure the best performance

INTERPRETATION OF RESULTS:

Positive: If two colored bands are visible on any strip of the device within 10 minutes, the test result is positive and valid. The test result can be read as soon as a distinct colored band appears in the test area.

Negative: If test area has no color band and the control area displays a colored band, the result is negative and valid.
Invalid result:
If a colored band does not form in the control region of any strip, the test result is invalid. The sample must be re-tested, using a new test device.

cTnI one step test cassette - The gold standard of quick test for AMI!

Clinical significance
The “Gold Standard” for diagnosing acute myocardial infarction (AMI) and the “Key Indicator” of prognosis;
The hierarchical indicator for risk of acute coronary syndrome (ACS);
The monitoring tool for microinvasive coronary intervention and coronary bypass grafting;
The prognostic indicator for evaluating acute pulmonary embolism and heart failure.

Features
Display results in good coloring gradient and can serve as a semi-quantified result using only naked eyes;
Fast test, only requires 10 minutes of test time;
Convenient, as there is no need for additional equipment and the results can be interpreted by naked eyes;
Allow for simultaneous multiple sample types to be tested, such as whole blood, plasma, and serum.
Small sample size of 120ml (approximately 3-4 drops);
Easy to store: at 4 to 30 °C for a period of 12 months.

h-FABP one step test cassette - A major breakthrough for early detection of AMI!

Clinical significance
The ideal index indicator for early diagnosis of acute myocardial infarction (AMI);
The monitoring index indicator for recurrence of acute myocardial infarction (AMI);
Post-thrombolytic monitoring;
Early evaluation of myocardial injury after cardiac surgery;
Risk prediction of acute coronary syndrome.

Features
100% negative prediction at the early period of heart disease occurrence;
Display results in good coloring gradient and can serve as a semi-quantified result using only naked eyes;
Fast test, only requires 10 minutes of test time;
Convenient, as there is no need for additional equipment and the results can be interpreted by naked eyes;
Allow for simultaneous multiple sample types to be tested, such as whole blood, plasma, and serum;
Small sample size of 120ml (approximately 3-4 drops);
Easy to store: at 4 to 30 °C for a period of 12 months.

CK-MB one step test cassette - The most common myocardial marker in clinical practice!

Clinical significance
The most commonly used test index for evaluating the risk of acute coronary syndrome;
The important index for diagnosing acute myocardial infarction (AMI);
The monitoring tool for microinvasive coronary intervention and coronary bypass grafting;
Prognostic evaluation for acute pulmonary embolism and heart failure
**Features**
Display results in good coloring gradient and can serve as a semi-quantified result using only naked eyes;
Fast test, only requires 10 minutes of test time;
Convenient, as there is no need for additional equipment and the results can be interpreted by naked eyes;
Allow for simultaneous multiple sample types to be tested, such as whole blood, plasma, and serum;
Small sample size of 120ml (approximately 3-4 drops);
Easy to store: at 4 to 30 °C for a period of 12 months.

**NT-proBNP one step test cassette** - The best cardiac marker for diagnosing patients with heart failure

**Description**
NT-proBNP < 0.3ng/mL is the best control point for excluding the probability of heart failure
NT-proBNP > 1.8ng/mL is the best control point for diagnosing acute heart failure.
NT-proBNP has higher accuracy of diagnosing the heart failure than the clinical judgment
Test of NT-proBNP with the clinical judgment will be the best way to diagnose heart failure

**Clinical significance**
It is the best cardiac marker for diagnosing patient of heart failure with acute dyspnea.
It is the best predictive factor for evaluating the cardiovascular risk in patients with cardiovascular disease.
It can help physician in deciding the best therapy for heart failure and can significantly reduce the risk of death.

**Features**
Display results in good coloring gradient and can serve as a semi-quantified result using only naked eyes;
Fast test, only requires 10 minutes of test time;
Convenient, as there is no need for additional equipment and the results can be interpreted by naked eyes;
Allow for simultaneous multiple sample types to be tested, such as whole blood, plasma, and serum;
Small sample size of 120ml (approximately 3-4 drops);
Easy to store: at 4 to 30 °C for a period of 12 months.

**hs-CRP one step test cassette** - An important indicator for cardiac examination!

**Description**
hs-CRP is clinically used for assessing the risk of incidence of coronary heart disease
The cost for screening of hs-CRP is far less than the costs of other cardiovascular examinations.
By comparing the effect of lifespan extension and the ratio of cost to effect, the screen test by hs-CRP is highly sensitive to cardiovascular diseases.

**Clinical Significance**
The basal level of hypersensitive-C reactive protein (hs-CRP) in an individual is closely related to the incidence of cardiovascular disease in future;
When hs-CRP reaches a certain level, it serves as an indication for upcoming event of death from angina pectoris, syncope, and heart disease;
and thus, hs-CRP can predict the recurrent rate of heart disease in patients with past history of onset.

**Features**
Display results in good coloring gradient and can serve as a semi-quantified result using only naked eyes;
Fast test, only requires 10 minutes of test time;
Convenient, as there is no need for additional equipment and the results can be interpreted by naked eyes;
Allow for simultaneous multiple sample types to be tested, such as whole blood, plasma, and serum;
Small sample size of 120ml (approximately 3-4 drops);
Easy to store: at 4 to 30 °C for a period of 12 months.

Application scope – for all Cardiac Markers
The Emergency Department, the Laboratory Department, the Internal Cardiology Department, the Department of Cardiac Surgery, the community medical institution, and on-site emergency treatment;
Provide a quick bedside diagnosis of patient with suspected symptoms of AMI for physician on site, as well as an autonomous test for the patient.
Only require a small glass needle to complete a quick bedside test at home or at the emergency department of a hospital.

D-Dimer one step diagnostic cassette - The best bedside test for thrombosis!

Clinical significance
Screen for deep venous thrombosis (DVT) and pulmonary embolism (PE);
Auxiliary diagnosis for diffused intravascular coagulation (DIC);
Evaluation and guideline for condition and treatment of coronary heart disease;
Warning for high-risk pregnancy and pre-eclampsia;
Test for other diseases of inducing activation of coagulation and fibrinolytic system

Application scope
The Emergency Department, the Laboratory Department, the Internal Cardiology Department, the Department of Cardiac Surgery, the community medical institution, and on-site emergency treatment;
Provide a quick bedside diagnosis of patient with suspected symptoms of AMI for physician on site, as well as an autonomous test for the patient.
Only require a small glass needle to complete a quick bedside test at home or at the emergency department of a hospital.

Features
Display results in good coloring gradient and can serve as a semi-quantified result using only naked eyes;
Fast test, only requires 10 minutes of test time;
Convenient, as there is no need for additional equipment and the results can be interpreted by naked eyes;
Allow for simultaneous multiple sample types to be tested, such as whole blood, plasma, and serum;
Small sample size of 120ml (approximately 3-4 drops);
Easy to store: at 4 to 30 °C for a period of 12 months.

AN ONGOING REVOLUTION IN CARDIAC DIAGNOSIS!

IVD – plastic test panel

Approved and ISO-9001 & ISO-13485 Certified & CE-Marked