



## INSTRUCTIONS FOR USE ONE STEP TEST

h-FABP Cardiac Marker
Detection in Whole Blood / Serum / Plasma

Only for professional in vitro diagnos

# roduct Code: THFP01

art Type Fatty Acid B

### BACKROUND INFORMATION

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Heart diseases, including myocardial infarction (AMI) are the second leading cause of death all over the wo blood clot and fails to supply blood to the heart. This obstruction results in inadequate flow of oxygen and indamage or even death to the portion of the heart muscle. The normal function of heart muscle requires high ellow can cause itssue death. Several studies worldwide have shown that life-saving therapies are most bene moretigations about 1.1 million Americans encounter annually, of which of 5% occasions are fatal. Moreover a can reach the emergency room in hospitals for the treatment. Therefore early detection and early treatment of infleasing.

In FABP is a protein that consists of 132 amino acid residues with molecular weight of 15 kDa in the plasma of 5.4 kB main function is to regulate the transportation of free fatly acids within myocardium cells. In addition lower (4 - 10 ng/m for h-FABP and 40 - 60 ng/m for myocardium is damaged, h-FABP more sensitive an myocardium is damaged, h-FABP immediately leasts in the bloodstream, causing rapid elevation on the powerful biochemical marker for early assessment of AMI.

### INTENDED USE

### REAGENTS

### METHOD

- Write pro-anch sample, buld be handled as taking capable of transmitting disease in bocedures and follow the standard procedures for proper dispose consecutes in the individual who suffers from renal insufficiency

# STORAGE

st device should be kept away from direct sunlight, mois ore at 4 - 30°C (39 - 86°F). Do not freeze.

SAMPLE COLLECTION AND PREPARATION

For Whole Blood Samples: Test should be performed immediately with whole blood samples. Otherwise, whole blood samples should be sto with anticoagulants (heparin, citrate should be used) to avoid coagulation until they are being tested in a period of 2 days after collection. For Serum Samples: Collect blood into a coll the end of centrifuge period remaining supern

itant is used as serum.

olilection tube with anticoagulants (heparin, citrate should be used) to avoid coagulate riod supernatant is used as plasma.

sample cannot be tested on the day of collection, store the serum, plasma samples in pepatedly. Do not freeze whole blood sample. Bring the samples to room temperature rior to testing. Turbid test samples should be centrifuged. Using of frozen and thaw nembrane by the debris. EDTA shouldn't be used as anticoagulant. Der Plasma Samples: Collect blood into a collection centrifuge the blood. At the end of centrifuge the blood. At the end of centrifuge period supe. Do not use turbid, hemolyzed samples: If the sample centreze and thaw the serum, plasma samples repeated freeze and thaw the serum, plasma samples repeated whenever possible, due to the blooking of the membrane whenever possible, due to the blooking of the membrane whenever possible, due to the blooking of the membrane whenever possible. Kit components: Test devices, droppers, dil

Additional materials rec

# TEST PROCEDURE

1. Take the test device out of its pouch. Bring the tests and whole blood / serum /plasma samples to room temperature.
2. For Whole Blood Samples; Draw whole blood sample into dropper and put 1 drop (30 µl) into the sample well of the cassette. It drop of diluent is added into the sample well and allowed to soak in.
3. For Serum / Plasma Samples; Draw serum / plasma into dropper and put 2 drops (60 µl) into the sample well of the cassette. Allo in before adding the next drop. Do not use diluent for serum / plasma samples.
Avoid the formation of any air bubbles.
4. Depending on the h-FABP concentration in the sample, after sample reach the view window, the test can react even in 5 minutes read at 15 minutes as shown below. Results forming after 15 minutes should be regarded as invalid.

# INTERPRETATION OF RESULTS

Negative: Only one colored line is visible in "C" area, indicating that h-FABP does not exist.

Positive: Two colored lines are visible in "C" and "T" areas, indicating that h-FABP exists.

Low concentration of h-FABP may cause a faint line in "T" area. Even such a faint line in "T" area should be regarded as "positive" invalid: No colored line is visible or only one colored line is visible in "T" area; test should be repeated using a new test device.







### QUALITY CONTROL

Tests have built in procedural quality control features. When the test samples and a colored line in the "T and "C" area on positive sample control. This line indicates that sufficient volume of sample was ado positive control be used to verify proper test performance as an extrement concerning the external quality controls. est is complete, the user will see a colored line in the "C" area of the test on negative ples. The appearance of the control "C" line is considered as an internal procedura added as well as valid test result. It is recommended that a negative control and a external control. Users should follow appropriate federal, state and local guidelines

# PERFORMANCE EVALUATION

Out off: 6,5 ng/ml
h-FABP Cardiac InfarctionTest Device has been evaluated using clinical samples. Clinical studies show that 3 hours after the onset of AMI, h-FABI Cardiac Infarction Test Device's accuracy is 90 %, between 3 and 6 hours 98 % and 12 hours later 87 %.

# INTERFERENCES

n-FABP Cardiac Infarction ng/ml hemoglobin, 5 mg/m n-FABP Cardiac Infarction Test Device has been tested with potential interfere substances such as; 110 mg/ml human albu Icholesterol and 15 mg/ml triglycerids and no interference was observed. Test Device has also been tested with following compounds and no interference was observe

Captoprill Chloramphanico Chlordiazepoxid Cilazapril Diclofenac

Flunarizine Hydrochlor Furosemide Hydrochlorothiazide Isosorbide Mononitrate Labetalol

# Atorvastatin Calcium Bisoproplol Fumarate Caffeine

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