

# One Step Cassette Style Cardiac Troponin-I Serum/WB Test

Cat. No. 800/805-10

## INTRODUCTION

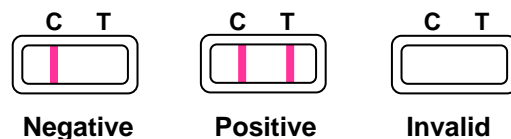
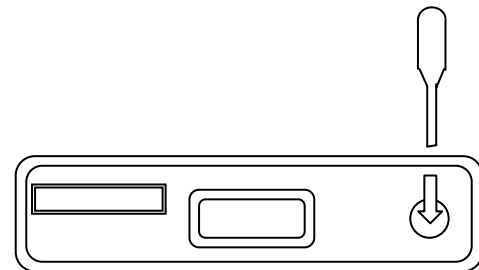
One Step Cassette Style Cardiac Troponin I (cTnI) Test kit is used to determine cTnI (a form of cardiac marker) in human serum/plasma or whole blood. With a few drops of sample, this test can quickly provide a qualitative, visual result to indicate the presence or absence of cTnI within a matter of minutes. Test subjects with elevated levels of cTnI usually indicate a diagnosis of myocardial infarction.

## ASSAY PROCEDURE

1. Bring all test components and patient samples to room temperature. Remove the test device after tearing open the pouch, then place the device on a clean level surface.
2. Draw the Serum/Plasma/Whole Blood into the pipette provided, and dispense 3 to 4 drops **slowly** (approx. 120 to 160 uL) into the sample well of the cassette.
3. Wait for the colour bands to appear. Depending on the concentration of cTnI in the test specimen, positive results may be observed in as little as few seconds. To confirm negative results, the test must be read again in 20 minutes. Do not read results after 20 minutes.

## INTERPRETATION OF RESULTS

- **Positive Result:** Distinct color lines appear in both the control (C) and (T) test regions. The appearance of 2 lines indicates the presence of cTnI in human blood and possible myocardial infarction. The color of the test line intensifies with increasing concentrations of the cTnI.
- **Negative Result:** Only 1 coloured line appears in the control (C) region with no apparent line in the test (T) region. The sole appearance of 1 line in the control region only indicates no myocardial infarction.
- **Invalid result:** No visible line at all. Repeat with a new test kit.
- **SENSITIVITY**:- 1ng/ml



## STORAGE AND STABILITY

The test kit can be stored at temperatures between 2 to 30°C in the sealed pouch to the date of expiration. The test kit should be kept away from direct sunlight, moisture and heat.

## PRECAUTION

1. For in vitro diagnostic use only.
2. Do not use test kit beyond expiry date.
3. The test device cannot be reused.
4. For whole blood specimens collect anti-coagulated blood sample using heparin as the anticoagulant. Troponin I is very unstable in serum and whole blood specimens hence samples must be tested as soon as possible