



# Troponin I(cTnl) test cassette

Catalog No.: BGW1401C

## INTRODUCTION

Troponin I (cTnl) Test is a qualitative, membrane based immunoassay for the detection of cTnl in whole blood, serum or plasma. The membrane is pre-coated with streptavidin on the test line region of the test. During testing, the whole blood, serum or plasma specimen reacts with the particle coated with anti-cTnl antibodies and biotinylated anti-cTnl antibodies. The mixture migrates upward on the membrane chromatographically by capillary action to react with streptavidin on the membrane and generate a red line. The presence of this red line in the test line region indicates a positive result, while its absence indicates a negative result. To serve as a procedural control, a red line will always appear in the control line region indicating that proper volume of specimen has been added and membrane wicking has occurred.

## PRINCIPLE

When specimen is added to sample pad, it moves through the conjugate pad and mobilizes gold anti-cTnl conjugate that is coated on the conjugate pad. The mixture moves along the membrane by capillary action and reacts with anti-cTnl antibody that is coated on the test region. If cTnl is present, the result is the formation of a colored band in the test region. If there is no cTnl in the sample the area will remain colorless.

## TEST PROCEDURE

1. Remove the test card from the pouch and allow it to equilibrate to room temperature prior to testing. Lay the card flat on a clean, dry and non-absorbent surface.
2. Dispense 2 drops serum specimen (100ul) into the specimen well.
3. Wait 20 minutes and read result. Do not read results after 20 minutes.

## INTERPRETATION OF RESULTS

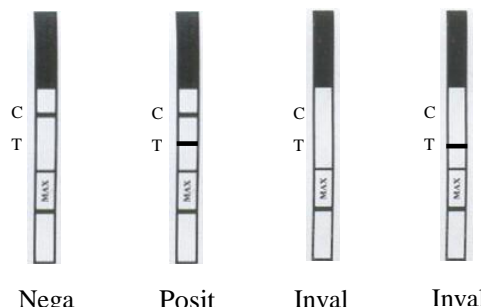
**Negative:** Only one colored band appears on the control (C) region. No apparent band on the test (T) region.

**Positive:** In addition to a pink colored control (C) band, a distinct pink colored band will also appear in the test (T) region. **Invalid:** A total absence of color in both regions is an indication of procedure error and/or the test reagent has deteriorated.

### Strip:



Marker



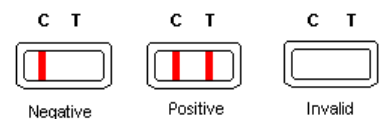
Nega

Posit

Inval

Inval

### Cassette:



Negative

Positive

Invalid



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## **STORAGE AND STABILITY**

The test kit can be stored at room temperature (4 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.