

AbChek Cardiac Troponin I Rapid Test

Introduction

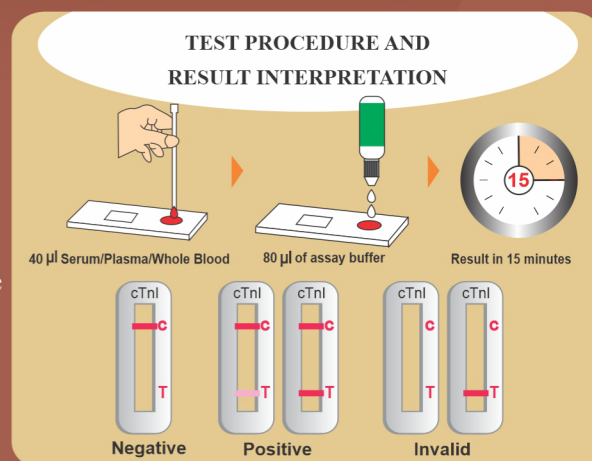
Cardiac Troponin I is a protein found in cardiac muscle with a molecular weight of 22.5 kDa. Troponin I is a part of a three subunit complex comprising of Troponin T and Troponin C. Troponin I is released into the blood 4-6 hours after the onset of pain. It remains elevated for 6-10 days, thus providing for a longer window of detection for cardiac injury.

Intended Use

The Cardiac Troponin I Rapid Test Cassette (Whole Blood/Serum/Plasma) is a rapid chromatographic immunoassay for the qualitative detection of human cardiac Troponin I in whole blood, serum or plasma as an aid in the diagnosis of myocardial infarction (MI). This assay only provides a preliminary result. Positive results should be confirmed by cTnI Chemiluminescence immunoassay. The test is intended for professional and laboratory use.

Specifications

- Specimen: Whole blood/ Serum/ Plasma
- Shelf life and storage temperature: 24 months at 4-30 °C
- Performance Characteristics: Sensitivity : 97.6% , Specificity : 99.4 % , Accuracy: 99.1%
- Results interpretation time: 15- 20 mins.
- Analytical Sensitivity : 0.3 ng/mL for serum/plasma, 0.5 ng/mL for blood sample
- No cross reactivity with Troponin T, Cardiac Myosin , HBsAg, Anti-Syphilis, Anti- Toxoplasmosis IgG positive specimens.



AbChek Filariasis IgM/IgG Combo Rapid Test

Introduction

The lymphatic filariasis known as Elephantiasis, mainly caused by *W. bancrofti* and *B. malayi*, affects about 120 million people over 80 countries. The disease is transmitted to humans by the bites of infected mosquitoes within which the microfilariae sucked from an infected human subject develops into third-stage larvae. Generally, repeated and prolonged exposure to infected larvae is required for establishment of human infection.

Intended Use

The AbChek Filariasis IgM/IgG Combo Rapid Test is a lateral flow immunoassay for the simultaneous detection and differentiation of IgM and IgG anti-lymphatic filarial parasites (*W.bancrofti* and *B. malayi*) in human serum, plasma or whole blood. It is intended to be used as a screening test and provides a preliminary test result to aid in the diagnosis of infection with lymphatic filarial parasites.

Specifications

- Specimen: Whole blood/ Serum/ Plasma
- Shelf life and storage temperature: 24 months at 4-30 °C
- Performance Characteristics:
- IgM: Sensitivity: 96.9%, Specificity: 99.8%, Accuracy: 98.6%
- IgG: Sensitivity: 92.5%, Specificity: 98.4%, Accuracy: 97.6%
- Results interpretation time: 15- 20 mins.
- Use of conserved recombinant antigens allows 'pan-filaria' tests to be applicable and eliminates cross-reaction with individuals having other parasitic diseases.
- No cross-reactivity was observed, when tested with Hepatitis A, B, C, E, HIV and Syphilis indicating that test has a high degree of specificity for antibodies to Filariasis.

