

Troponin I TEST



Troponin I is a regulatory protein part of the troponin complex which plays a vital part in non smooth muscle contraction (skeletal and cardiac).

The cardiac isoform of troponin-I (cTnI) is only expressed in cardiac muscle. Cardiac Troponin I is principally trapped within cardiac muscle cells (although minute amount of troponin is present in the blood stream in regular healthy state) and the leakage (release) of high amounts of cardiac troponin in the blood stream indicates cardiac injury.

Elevated cTnI levels are now widely considered as the standard biochemical marker for the diagnosis of myocardial infarction (commonly known as heart attack), a deadly medical emergency characterized by heart muscle cells death due to loss of oxygen reaching the heart.

The release of Troponin I into the blood stream starts 4-6 hours after cardiac injury and remains high for up to 2 weeks thus providing for a long window of detection for cardiac injury as well as monitoring already existing heart conditions.

INTENDED USE

Turklab's Troponin I Test is a immunochromatographic test for the qualitative detection of human cardiac marker Troponin I (cTnI) in human whole blood / serum / plasma to aid diagnosis of myocardial infarction (MI).

- Wide range of samples can be used, plasma, serum, capillary blood, or venous blood.
- Verified non-reactivity with skeletal Troponin I, Troponin T and cardiac myosin.

PERFORMANCE EVALUATION

- Sensitivity: 99,4%
- Specificity: 99,9%



PRODUCT	TEST TYPE	SAMPLE TYPE	READING TIME	KIT SIZE	KIT COMPONENTS
TROPONIN I	CASSETTE	WB/S/P	10 Min.	40	Test cassette + pipette + diluent + instructions for use.