

FAST

SENSITIVE

RELIABLE

VitaLab



cTnI Test Kit

(Dry Fluorescence Immunoassay)

CE IVD

Reference <<<

- [1] Cardiac Biomarkers.
- [2] Troponin I.
- [3] New features of troponin testing in different clinical settings.
- [4] Integration of Troponin I Phosphorylation With Cardiac Regulatory Networks.
- [5] How to Interpret Elevated Cardiac Troponin Levels.
- [6] Voltammetric biosensors for analytical detection of cardiac troponin biomarkers in acute myocardial infarction.

Cardiac troponin I (cTnI) is a regulatory protein related to myocardial contraction.

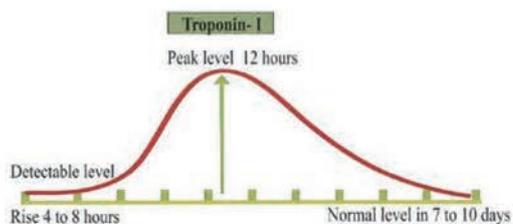
cTnI has some characteristics like high sensitivity, high specificity, long detection window, which makes it receive more and more favors in the diagnosis of myocardial infarction, risk stratification, prognosis evaluation, clinical formulate and the adjusting of treatment plan.

Clinical significance of cTnI

This test is used as an aid in the diagnosis of myocardial injury:

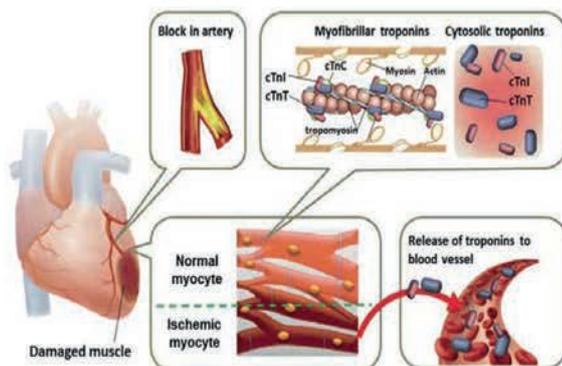
- ▶ Acute Myocardial Infarction (AMI)
- ▶ Unstable Angina
- ▶ Acute Myocarditis
- ▶ Acute Coronary Syndrome (ACS)

The Pattern of Troponin-I In Acute Myocardial Infarction

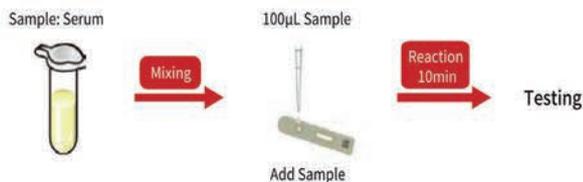


- Detectable Level** Raised in the first 4 to 8 hours.
- Peak Level** Peak level is around 12 hours.
- Normal Level** Remains elevated 7 to 10 days.

“ **cTnI is the gold standard of myocardial injury** ”



Steps of Operation



Interpretation of Result

cTnI	Measuring Range	0.05 ng / ml - 40 ng / ml
	Cut-Off Value	0.5 ng / mL

