

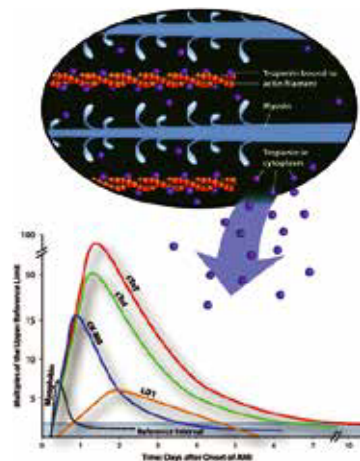
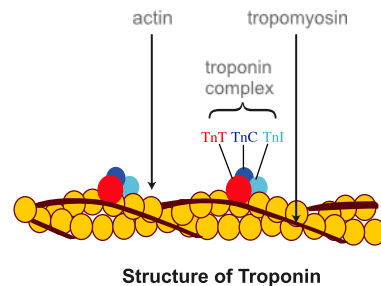


# **cTnI Rapid Test**

(Colloidal Gold Assay)

Getein Biotech, Inc.

Troponin, a molecular complex that is bound to the thin filament (actin) of striated muscle fibers, acts with intracellular calcium to control the interaction of the thin filament with the thick filament (myosin), thus regulating muscle contraction. Troponin consists of three subunits: T, I, and C.



### The temporal release pattern of the classic biomarkers of myocardial infarction [1]

The current guidelines of The Joint European Society of Cardiology/American College of Cardiology Committee suggest cTnI as a preferred marker of myocardial injury. Several major studies have shown that cTnI is also a predictor of cardiac risk in patients with unstable angina. The American College of Cardiology and the American Heart Association's current guidelines recommend using troponin results when making treatment decisions regarding unstable angina and non-ST segment elevation MI (NSTEMI).

## Clinical Application

- As an aid in the early diagnosis of acute myocardial infarction (AMI)
- Acute myocarditis, unstable angina, acute coronary syndrome(ACS)
- Evaluate the severity of myocardial damage
- As an aid in the prognosis of ACS

## Assay Parameters

- Sample: S/P/W.B
- Cut-off Value: 0.3 ng/mL
- Test Time: 15 min

## cTnI Rapid Test (Colloidal Gold Assay) Standard Colorimetric Card

Test String Display	Color Intensity	Reference Concentration (ng/ml)
	—	< 0.3
	+ - -	0.3~0.5
	+ -	0.5~1
	+	1~5
	++	5~15
	+++	15~30
	++++	30~50
	++++	> 50

