



Cardiac Troponin I (cTnI) Diagnostic Kit



Product Profile: cTnI: TnI (Troponin I), together with TnT and TnC, forms a troponin complex in heart to play a fundamental role in the transmission of intracellular calcium signal. The level of cTnI is below 0.06ng/ml in average in healthy individuals, and is not detected in patients with skeletal muscle injury.

cTnI is released rapidly into blood stream (approximately reaching 100-1300ng/ml) soon after the onset of AMI. Therefore, cTnI is a specific marker for AMI.

Clinical Use of Cardiac Troponin I Test

- ◆ Clinical diagnosis, prognosis evaluation and risk stratification of Acute Coronary Syndrome;
- ◆ To measure the area of MI;
- ◆ To monitor myocardial damage caused by cardiac operation;
- ◆ To evaluate the effect of thrombolytic therapy;
- ◆ To detect that cardiac dissolution in non-ischemic heart failure;
- ◆ A new marker for left-ventricular hypertrophy in primary hypertension.

Parameters

Specimen	Serum/Plasma
Specimen volume	80µl
Cut off	1ng/ml
Linear range	1-50 ng/ml
Precision	CV<15%
Accuracy	Relative deviation <20%
Interpretation time	15min
Test time	15s

Application

Emergency Dept, CCU, ICU, Cardiology Dept, Nephrology Dept, Surgery Dept

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