

HIGH  
SENSITIVITY  
TROPONIN  
T

## Orderable - TNT

Turnaround Time: 4 hours

STAT: 1 hour

### Alternate Name(s):

hs-TnT  
Troponin T - High sensitivity  
TNT - High sensitivity

### Specimen:

Adult	Pediatric
4.5 mL Green (Lithium Heparin) top Vacutainer tube	2-10 years: 3 mL Green top tube

### Reference Ranges:

Male	Female
≤14 ng/L	≤9 ng/L

### Interpretive Comments:

Order hs-TnT on patients with symptoms of myocardial ischemia to diagnose AMI. Reference limit is based on 99th percentile value in healthy population. hs-TnT may be significantly elevated in non-ACS patients. Evaluate hs-TnT results in the clinical context and not in isolation.

### Comments:

Please note that the hs-TnT reporting units are ng/L.



**Laboratory:**  
Core Lab



**Requisition:**  
GENERAL LABORATORY  
REQUISITION



**Method of Analysis:**  
Electrochemiluminescence



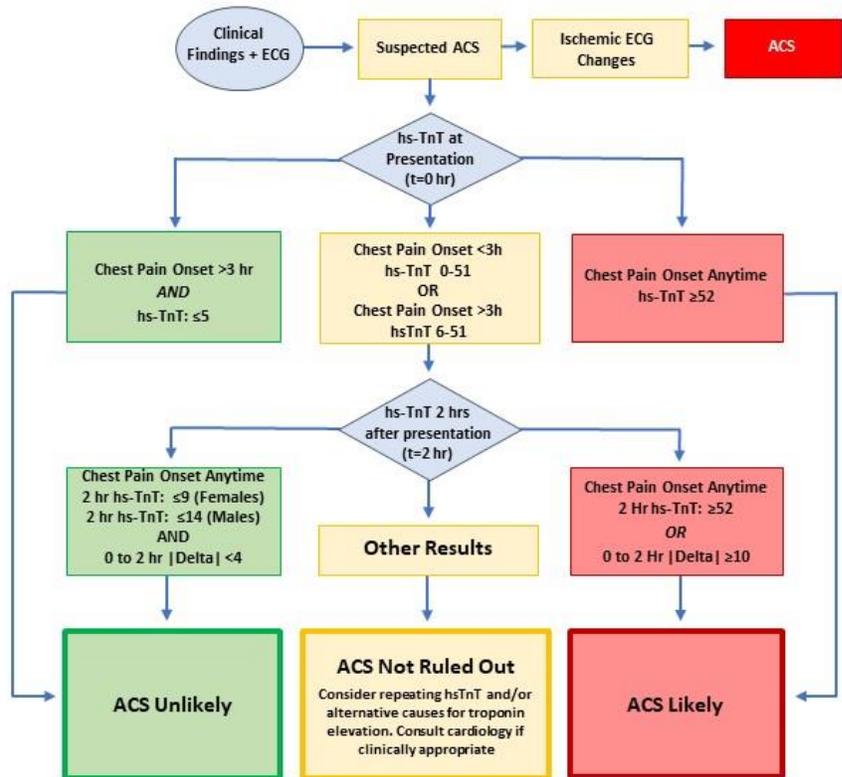
**Test Schedule:**  
As required

HIGH SENSITIVITY TROPONIN T

See Algorithm Details:

Acute Coronary Syndrome (ACS) Clinical Algorithm

Using the High-Sensitivity Cardiac Troponin T (hs-TnT) on Chest Pain Patients



- Consider repeating hsTnT at 4hr (t=4hr) if "ACS Not Ruled Out" and use 2 hrs (t=2hr) cut-off absolute values & deltas to rule-in or rule-out ACS
- Chest Pain Onset refers to the time between onset of chest pain & presentation to the Emergency Department
- t=0 refers to the time of draw of blood for hsTnT at presentation.
- Approved by the LHSC working group of Cardiology, Emergency Medicine, & Pathology and Laboratory Medicine
- Modified: Jan 11, 2022