

TEST STATUS - NEW TEST**Notification Date:** September 16th, 2024**Effective Date:** October 2nd, 2024**Test Name: Troponin T, High Sensitivity****Test ID:** LAB6641

Explanation: High sensitivity troponin T (hs-cTnT) assay will replace the current contemporary troponin I (cTnI) assay at Vanderbilt University Adult and Children's Hospital. The old cTnI assay will not be available after this time. **This change will not affect Vanderbilt Regional Hospitals.**

Useful For: Recommended test for diagnosing and managing acute coronary syndrome.

Methodology: Roche Electrochemiluminescence Immunoassay (ECLIA)

Reference Interval: Females: < 14 ng/L, Males: < 22 ng/L; Unknown Sex < 19 ng/L

Critical Value: ≥52 ng/L within 48 hours

Specimen Requirements:

Specimen Type:	Lithium Heparin Plasma
Alternate Specimen:	Dark Green Lithium Heparin without Gel
Container/Tube:	Light Green (Lithium Heparin with Gel)
Specimen Preparation:	Separate plasma from cells ASAP or within 2 hours of collection (Min 0.5 mL). The specimen must be free of particulate matter, including fibrin, which can interfere with the assay.
Specimen Volume:	Fill to Indicator Line
Pediatric Collection:	1 Light Green Microtainer (Lithium Heparin with Gel)
Storage/Transport Temperature:	Refrigerated: 2° to 8°C

Specimen Stability Information:

Specimen Type	Temperature	Time
Plasma	2° to 8°C	24 Hours
Plasma	Frozen	12 Months

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Cautions: NA

Reasons for Rejection: Gross hemolysis, improper collection container, sample outside of stability limits.

Recommendations: See **High Sensitivity Troponin Fact Sheet and Suspected ACS Evaluation Pathway:** [SiteFile \(testmenu.com\)](#) or on the VML Test Directory sidebar page for additional details.

CPT Code(s): 84484

Days(s) Performed: Daily

Report Available: Continuous

Questions: Please get in touch with Vanderbilt Medical Laboratories Customer Service at 615-875-5227 (5-LABS) or 800-551-5227 or visit our website: [Home | Vanderbilt Medical Laboratories \(vumc.org\)](#)