

Clinical Laboratory Communication

Notification Date: March 9, 2019

Effective Date: April 9, 2019

Troponin 5th Generation: Beginning April 9th, the current Troponin 4th Generation test will be replaced with Troponin 5th Generation test.

Nursing Top 5 to Know:

- Critical Value Change:** Troponin 5th Generation Critical Value is ≥ 53 ng/L
 - First Troponin 5th Generation of greater than or equal to 53 ng/L will be called.
 - Any additional Troponin 5th Generation results ≥ 53 ng/L during the same admission will NOT be called. These will be flagged in Epic with the Panic Flag 🚨 Panic
 - Reference Range: Male ≤ 15 ng/L
Female ≤ 10 ng/L
- Epic Result Viewing:** Results for Troponin 5th Generation will be displayed in Epic as normal (no flags), abnormal (greater than normal range) ⬆️ High or critical 🚨 Panic

Ref. Range and Units	4	3	2	1
	11/9/2018 1230	11/9/2018 1240	11/9/2018 1305	11/9/2018 1310
CARDIAC PROFILE				
Troponin T 5th Gen Latest Range: <22 ng/L	13	20	168 🚨	423 🚨

Preferred
Lithium
Heparin Gel

Acceptable
Lithium
Heparin No Gel

Collection Matters!

3. Collection:



Samples that have visible hemolysis may be rejected. The lab will call the ordering location and request a new specimen. If the ordering location does not want to collect a new specimen, test will be resulted with the comment – **Grossly Hemolyzed. Result unreliable. Repeat testing advised on a non hemolyzed specimen.**

Be careful when drawing from IV starts or lines as these collections can cause hemolysis.

4. Epic Ordering: Order sets and facility lists will automatically be updated on April 9 at 10:00AM. Nursing will need to update Personal Preference List with the new test **Troponin T 5th Gen or LAB7037**

🚨 Your Frequently Ordered List will NOT automatically update & you will need to type Troponin T 5th multiple times to replace Troponin T on your frequently ordered list.

5. Dual Testing on April 9 and 10: From 10:00AM on April 9 to midnight on April 10 patients will have both Troponin 4th and 5th testing reported for clinical correlation and continuity of care.

Questions, please contact:

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