

Clinical Laboratory Communication

Notification Date: March 9, 2019; April 1, 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**

Results Review | Last Refresh: 11/9/2018 1608 | Time Mark | Back | Forward | View | Hide Tree | Ref Range | Load All

Search: [] | Hide data prior to: 5/9/2017 | Use Date Range Wizard

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!

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 – **Specimen hemolysis exceeds acceptable limit. Results may be falsely decreased. Repeat testing advised on a non hemolyzed specimen.**

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

3. Collection:



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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