



# Lab Update



LABORATORY PHONE 585-LABS

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*LabUpdate* is a periodic publication of the Clinical Laboratory of UC Health. By way of this publication, lab users are provided: 1) updated operational information relevant to the practice of laboratory medicine within UC Health facilities, and 2) didactic material generally applicable to laboratory medicine.

**Chemistry*****Changes to Troponin Testing***

Conversion of Troponin I testing to a new chemistry platform had been planned for December, however, due to a sudden failure in the current instrument, this change in assay method occurred sooner than planned.

**The change occurred on Tuesday,  
November 3<sup>rd</sup> for the UCMC Laboratory.**

The methodology changed from the Ortho Vitros 5600 analyzers to the Beckman Coulter DXI analyzers and standardized Troponin I testing to the testing performed at West Chester Hospital.

Please note: Rapid Troponin I testing by I-Stat at the Daniel Drake Center will continue as usual with no changes to reference ranges.

The new assay methodology is more sensitive than the previous method. Please use clinical indicators and judgment when evaluating Troponin I results.

**NEW Troponin I Reference Range****<0.04 ng/mL**

The result is **below the 99<sup>th</sup> percentile** for a healthy adult population. Interpret result in light of the clinical presentation.

**0.04-0.20 ng/mL**

The result is a **borderline value** that may reflect myocardial injury. Interpret result in light of the clinical presentation.

**>0.20 ng/mL**

The result is an **abnormal value** with a high likelihood of myocardial injury. Interpret result in light of the clinical presentation.

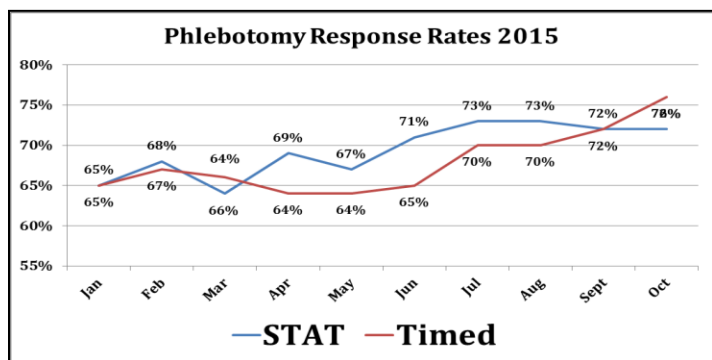
If you have any questions regarding this change to Troponin testing, please contact Laboratory Customer Service at 585-LABS.

**Patient Safety*****Phlebotomy Priority Collections***

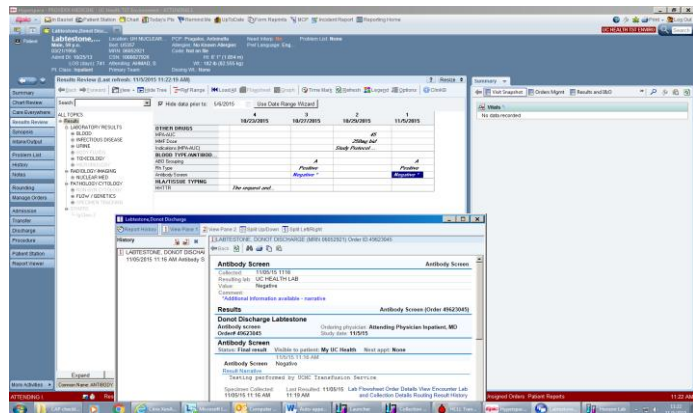
UC Health Laboratory has implemented an initiative to improve the Phlebotomy response time for priority collections for Stat and Timed orders. The Lab has established an expectation for priority collections to be completed within 30 minutes of the expected time entered in EPIC by the ordering provider.

The laboratory currently measures this data on a daily basis for all STAT and Timed inpatient collections and marked improvements have been realized over the last few months as noted below.

These improvements have been accomplished by adjusting schedules and assignments as well as the implementation of a “traffic controller” who has the responsibility of monitoring these orders and dispatching staff accordingly.



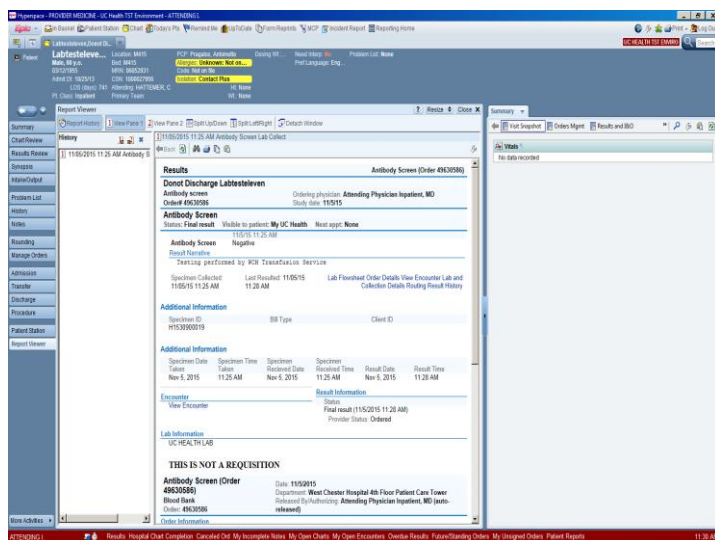
If the result is checked under Epic Result Review, click the \* next to the result to view the testing location:



## Transfusion Medicine

### Performing lab location appended in EPIC

UC Health Transfusion Services perform type and screen testing at both UCMC and WCH. In Epic, it is difficult to determine where the testing occurred, a fact that becomes important with pre-operative testing. To assist, antibody screen results will now have a comment automatically appended to list the test performance site as either UCMC or WCH. The appended comment displays in Epic Chart Review under result narrative and above the specimen collection information.



## Test Utilization Testing Frequency Limits

In an effort to limit the frequency of duplicate testing, the laboratory and the EPIC team have created a BPA (Best Practice Advisory) for the following test codes if a duplicate order is placed within the allowable frequency. The BPA will provide the most recent result and the date it was performed. If a repeat test is clinically indicated, the ordering provider may call the laboratory to request an override of the policy.

If you have any questions regarding test ordering frequencies, please contact Laboratory Customer Service at 585-LABS.

Lab Order	EPIC Lab #	Allowable Frequency Once per:
C diff PCR	LAB4004	7 days
TSH/Reflex to FT4	LAB3270	48 hours
Lipid Panel	LAB18	7 days
Glycohemoglobin	LAB90	90 days (Impt) / 75 days (Outpt)
Vitamin D	LAB535	14 days
B12	LAB67	14 days
Iron/Iron Study	LAB94 / LAB3160	14 days
Folate	LAB69	14 days

### BPA Message:

**STOP: DUPLICATE TEST ORDERED.**  
**The (test name here) will be cancelled.**  
**Please click ACCEPT to remove this duplicate order.**  
**If your patient still needs this duplicate test, please call the Laboratory (UCMC: 584-3700 / WCH: 298-7870 / Drake: 418-2632 ) to request an OVERRIDE of the UC Health policy.**  
**Last (Test Name): <RESULT> <DATE>**