

## **Memo: Current state of Tacrolimus testing at NYP/WC**

### **Who is this message for:**

NewYork-Presbyterian/Weill Cornell Medical Center healthcare providers and clients for Transplant Services.

### **What is this message about:**

The current state of Tacrolimus testing at NYP/WC

### **Why is this information important:**

**The workflow, methodology, Epic order, and turnaround (TAT) times for this test will change.**

1. **Cornell samples are being sent to Quest for LC-Mass Spectrometry.** Starting Thursday, May 24, a specific, custom courier will pick up samples from the WCM main lab at 9 AM, 11 AM, and 1 PM every day, and deliver them directly to the Quest laboratory in Clifton, NJ, for testing, without making stops anywhere else or picking up any other samples. Standard couriers from Quest will pick up samples from WCM after 1 PM.
  1. **TAT prediction:**
    - 1.in WCM lab before 8 AM, results by 6:30 PM
    - 2.in WCM lab before 10 AM, results by 8:30 PM
    - 3.in WCM lab after noon, results the next day
  2. **The Epic order has changed**
    - 1.The Quest LCMS tacrolimus assay is a different order in Epic
      1. **EPIC Test Code: LAB10942**
    - 2.This required removing tacrolimus from physician order preferences
    - 3.Physicians can add the Quest LCMS tacrolimus order to their preferences (search facility list)
    - 4.This will change back when the WCM immunoassay comes back online and testing is performed in-house again.

### **What do we need from you?**

Please expedite the delivery of specimens to the laboratory by 8 AM, 10 AM, or noon to ensure the appropriate TAT.

### **For any questions, please contact:**

If you have any questions regarding this new process, contact your Sales Representative or Call Client Service at (212) 746-0670 and ask to speak to a Supervisor. For questions about tacrolimus testing methods, please email Dr. Sarina Yang: [hey9012@med.cornell.edu](mailto:hey9012@med.cornell.edu)

### **Detailed Description of the new feature/change:**

#### **Quest runs LCMS, not immunoassay, and therefore results will differ:**

1. LCMS values are generally lower than immunoassay results
  1. LCMS detects only the parent drug
  2. Immunoassays also detect some drug metabolites
2. The variation is not uniform for all samples
  1. Differences in metabolism and clearance lead to differences in this discrepancy

