

# Laboratory News

## Discontinuation of Starswab<sup>®</sup> anaerobic transport system collection kits...

Effective immediately, OSF HealthCare System Laboratories will discontinue ordering and providing the Starswab<sup>®</sup> anaerobic transport system collection kits due to an extended backorder of the kits for the foreseeable future.

Replacing the Starswab<sup>®</sup> will be the white capped eSwab<sup>®</sup>. The eSwab<sup>®</sup> is acceptable for anaerobic cultures and will fully replace the Starswab. Ordering guides will be updated soon with the removal of the Starswab<sup>®</sup>.

### Discontinued product:



\*\*Starswab<sup>®</sup> Anaerobic transport system collection kits

### Replacement product:



\*\*eSwab<sup>®</sup> (white) Aerobic/Anaerobic swab  
Product ID# R723480

If there are any questions regarding this change, please contact your OSF Laboratory Clinical Representative.

## Atlas Test Updates...

### **Effective on 8/26/2021:**

- 1) OSF System Laboratory is turning **OFF** Mayo test code (temporarily) CITR and is recommending Mayo test code GENOR (FCA24) be ordered in the interim.
- 2) OSF System Laboratory is turning **ON** Mayo test code MAGRU and turning **OFF** obsolete Mayo test code MAGNR.
- 3) OSF System Laboratory is turning **OFF** Mayo test code (temporarily) NEZPP and is recommending Mayo test code GENOR (ZPP) be ordered in the interim.
- 4) OSF System Laboratory is turning ON Mayo test code MAGES and turning OFF obsolete code FMGA.
- 5) OSF System Laboratory is turning **OFF** OSF test code (temporarily) LAMOS and is recommending Mayo test code GENOR (LAMO) be ordered in the interim.
- 6) OSF System Laboratory is turning **OFF** OSF test code (temporarily) TOPIRA and is recommending Mayo test code GENOR (TOPI) be ordered in the interim.

## OSF SFMC Flow Cytometry holiday hours...

In observation of the Labor Day holiday, the OSF HealthCare Saint Francis Medical Center Laboratory Flow Cytometry department will not be staffed on Sunday, Sept. 5th or Monday, Sept. 6th.

If a specimen for lymphocyte subset testing (TBCEL, LAB1527 or TBLTD, LAB2347) or the HLA-B27 (LAB1897) cannot be received into the Flow department by noon on Saturday, Sept. 4th, it will need to wait to be collected until the following week due to stability limitations of the specimen for testing.

For any questions, please contact the OSF Lab Flow Cytometry department or your Laboratory Clinical Representative.

*"You can learn a lot  
from people who view  
the world differently  
than you do."*

*- Anthony J. D'Angelo*



## Returning Outreach Team Member...

Please welcome Sabrina Mullins back to our team, but in a new position! Sabrina has re-joined the OSF Laboratory Outreach team as a Laboratory Billing and Application Specialist after being out of state since December 2020. She is filling the open position left by Jeff Cover in January 2021.

She is working with Ray Rosenberry to learn the Atlas Applications Specialist piece of her new position and has been refreshing her knowledge of the client billing process.

If you have any questions, please contact the OSF Laboratory Outreach team.

## Questions??

If you are an OSF Laboratory Outreach client and you have a billing-related question, please contact OSF's Patient Accounts and Access Center billing department at (309) 683-6750.

The PAAC billing agents will be happy to assist you with your inquiry.

If you have other questions, please contact OSF's Laboratory Customer Support department at (800) 533-6730 and they will direct you to the appropriate Laboratory Mission Partner.

## Mayo Clinic's Spotlight on Myeloproliferative Neoplasms

OSF HEALTHCARE SAINT FRANCIS MEDICAL CENTER SYSTEM LABORATORY & MAYO CLINIC LABORATORIES

By: Anthony Dal Santo, Clinical Specialty Representative for Hematology/Oncology at Mayo Clinic Laboratories

### Chronic Myeloid Leukemia...

Currently, both qualitative and quantitative BCR/ABL1 testing are recommended as part of a diagnostic workup of patients with a suspicion of CML, and NCCN guidelines indicate that a quantitative mRNA transcript level should be obtained at diagnosis.

- Different Mayo tests (particularly ID: **BCRFX**) offer diagnostic BCR/ ABL1 tests that start with qualitative testing and will reflex to quantitative when indicated.

\* *Mayo's initial qualitative test detects common transcript fusions such as p210, p190 and other rare fusions including p230 and more. If p210 or p190 are specifically identified, then quantitative testing is performed to provide the initial transcript level which is used as a baseline for monitoring during treatment.*

- Once a patient is being monitored, specific quantitative PCR tests (Mayo Test IDs: BCRAB or BA190) are available and include an easy to follow graph tracking patient transcript levels.

### BCR/ABL1 ORDERING GUIDE FOR BLOOD AND BONE MARROW\*

\*Extracted RNA is not an acceptable specimen and will be rejected if received.

	TEST ID	TEST NAME	APPROPRIATE ORDERING SCENARIO
DIAGNOSIS	BADX	BCR/ABL1 RNA-Qual, Diagnostic	Qualitative only. Identifies the BCR-ABL1 transcript fusion form at the time of diagnosis. Detects common transcript fusions (p210, p190) and other rare fusions.
	BCRFX	BCR/ABL1, Reflex, Qual/Quant	Qualitative with reflex to Quantitative. Detects common transcript fusions (p210, p190) and other rare fusions. If p210 or p190 fusion form is identified, quantitative testing is performed to provide initial transcript level.
<b>ORDER BASED ON QUALITATIVE RESULTS OBTAINED FROM TESTING ABOVE</b>			
FOLLOW-UP (QUANTITATIVE)	BCRAB	BCR/ABL1, p210, Quant, Monitor	Quantitative assay for monitoring p210 fusion form.
	BA190	BCR/ABL1, p190, Quant, Monitor	Quantitative assay for monitoring p190 fusion form.
ADDITIONAL TESTING	BAKDM	BCR/ABL1 Mutation, Sequencing	To identify the presence of acquired BCR-ABL1 mutations associated with TKI-resistance.

### PH-Negative MPN's Molecular Landscape...

PV, ET, and PMF lack BCR/ABL1 fusion and are known as Ph-negative MPNs. These MPNs have three major driver mutations that provide important diagnostic and prognostic information. Because they are mutually exclusive of each other, these molecular signatures provide a road map to guide proper test utilization during workup of the classical Ph-negative MPN cases.

- Mayo recommends ordering the PVJAK test when PV is suspected. Mayo will first test for the JAK2 V617F mutation which will then automatically reflex to the JAK2 exon 12-15 mutations only when clinically necessary and appropriate.

\* *This would prevent clients from having to order Mayo test JAK2B, which interrogates the V617F mutation and Mayo test JAKXB which interrogates exons 12-15 if the JAK2 V617F test comes back negative.*

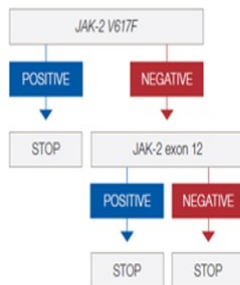
\* *The fee schedule for JAK2B and PVJAK are the same and will only differ if there is a need to reflex to exons 12-15*

- When ET or PMF are suspected, please utilize (Mayo Test ID: MPNR). This algorithmic approach starts with JAK2 V617F and then automatically reflexes to CALR and then to MPL when appropriate.

#### SUSPICIOUS FOR PV

Mayo ID: PVJAK

Our PV reflex panel sequentially tests for JAK2V617F mutations and JAK-2 exon 12-15 mutations. Our second component has been expanded to include exons 12-15 to help ensure PV cases with rare mutations are not missed.



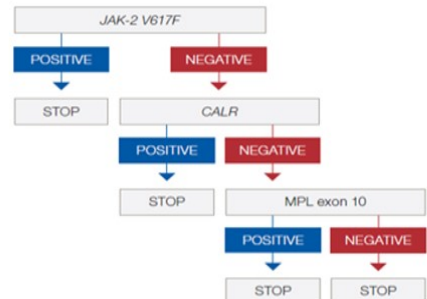
#### SUSPICIOUS FOR ET OR PMF

Mayo ID: MPNR

Our MPNR reflex panel follows an algorithm that sequentially tests for JAK2V617F, CALR, and MPL mutations.

Mayo ID: MPNCM

For institutions that may be performing JAK2V617F testing in-house, we also offer an MPNCM panel, which begins with CALR and reflexes to MPL testing.



### Reflexive Testing Approaches...

Mayo's reflexive testing approaches begin with the most common mutation first and progressively move toward the next common mutations in search of an answer. These approaches provide convenient, cost-effective, and clinically relevant information, and they remove the burden of complex molecular test ordering from busy clinicians and pathologists.

If there are any questions regarding this information, please contact your OSF HealthCare Saint Francis Medical Center Laboratory Clinical Representative by emailing [SFMC.LaboratoryServices.75005-OutreachClientRepresentatives@osfhealthcare.org](mailto:SFMC.LaboratoryServices.75005-OutreachClientRepresentatives@osfhealthcare.org).