



## MEMORANDUM

**TO:** All OSF HealthCare System Laboratory Ordering Providers

**FROM:** Hamid Zia, MD, Flow Cytometry Section Chief  
*OSF HealthCare Saint Francis Medical Center Laboratory*

**DATE:** July 22, 2020

**RE:** **Lymphocyte Subset Testing**

Effective **August 3, 2020**, OSF HealthCare Saint Francis Medical Center Laboratory will update the method used for lymphocyte subset analysis; the current method (BD FACSCanto II<sup>®</sup>) will be replaced by the Aquios CL<sup>®</sup> (Beckman Coulter.)

The current test codes, TBCEL (LAB1527) and TBLTD (LAB2347), will remain the same; as will the current specimen requirements (1-3mL in a K2 EDTA lavender top tube at room temperature) for both tests. However, **the specimen stability will reduce from 72 hours (current methodology) to 48 hours (new methodology)**. Method evaluations were conducted comparing the Beckman Coulter Aquios CL<sup>®</sup> to the BD FACSCanto II<sup>®</sup>; the study has shown that the two methods are comparable upon data review.

Lymphocyte subset testing will be performed Monday, Wednesday, and Friday from 6am-3pm and on Saturday from 7am to noon; additional specimen runs will be performed, as needed, Monday-Friday due to the decrease in specimen stability time. There will be no testing available after 12pm Saturday or at any time on Sundays. **\*\*If the specimen cannot be received into the performing laboratory AND tested within 48 hours of collection it will be rejected.**

Please also note that both adult and pediatric reference ranges will remain unchanged; the current adult reference ranges were verified by in-house testing on the Beckman Coulter Aquios CL<sup>®</sup>. The pediatric reference ranges were taken from the Pediatric AIDS Clinical Trials Group P1009 Study (J. Allergy Clin Immunol 2003;112(5); 973-980).