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®) will be replaced by the Aquios CL® (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® to the BD FACSCanto II®; 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®. The pediatric reference ranges were taken from the Pediatric AIDS Clinical Trials Group P1009 Study (J. Allergy Clin Immunol 2003:112(5); 973-980).

For any questions regarding these tests, please contact Dr. Hamid Zia at 309-308-0242 or the Flow Cytometry department at 309-624-9036.