

Immunofluorescence Testing- March 29, 2021

Testing for autoantibodies formerly performed on the BioRad PhD™ System in the KHSC Clinical Laboratories is no longer available, effective March 25, 2021. This obsolete instrument is being decommissioned. Testing on this instrument included:

1. ANA screen by HEP2 cell immunofluorescence
2. ANA screen by mouse kidney/stomach cell immunofluorescence
3. Gastric parietal cell antibody testing
4. Cardiolipin antibody testing

Specimens received in the Core Lab for these tests are being sent to a reference laboratory until a new instrument platform (Euroimmun AG) is validated in the KHSC Core Laboratory for clinical use.

Please note the following changes:

1. **ENA/ANA screening test** will be performed at *In-Common Laboratory (ICL)*. It replaces the screen by HEP2 cell immunofluorescence. This test looks for the presence of the various autoantibodies associated with a positive HEP2 immunofluorescence pattern and includes the following autoantibody tests:
 - a. Ds-DNA antibodies
 - b. chromatin antibodies
 - c. ribosomal protein antibodies
 - d. SS-A 52 antibodies
 - e. SS-A 60 antibodies
 - f. SS-B antibodies
 - g. Centromere-B antibodies
 - h. Sm antibodies
 - i. Sm-RNP antibodies
 - j. RNP 68 antibodies
 - k. RNP A antibodies
 - l. Scl-70 antibodies
 - m. Jo-1 antibodies
2. **Autoantibody panel testing** will be performed at ICL. It replaces the screen by mouse kidney/stomach cell immunofluorescence. This test looks for the presence of autoantibodies associated with a positive immunofluorescence pattern and includes the following tests:
 - a. mitochondrial antibodies
 - b. smooth muscle antibodies
 - c. parietal cell antibodies

3. **Cardiolipin antibody testing** will be performed at ICL, under the same test name.

We regret the inconvenience that these changes may have on the care that you provide for your patients during this transition period in our Clinical Laboratories. Please contact Dr. Curtis Oleschuk, Service Chief Clinical Biochemistry, (extension 2836) with any questions or concerns.