

To: Medical Staff and Laboratory Clients

From: Stephanie Lane, Technical Coordinator for Referral Testing

Subject: *Connective Tissue Disease Cascade testing moving to Mayo Lab*

Date: 02/22/23

Norman Regional Laboratory Service is moving the ANA CASCADE to Mayo lab due to the rising cost of reagent, the availability of QC material, and the low volume of the cascade order itself. The individual test components, CCP, SSA Ab, SSB Ab, SM Ab, RNP Ab, SCL70 Ab, Jo1 Ab, Ribosome P and Centromere, will also be moving to Mayo. The dsDNA test is currently reflexed to Mayo and will stay there. ANA testing will continue to be performed in-house at Norman Regional Laboratory.

The Mayo test name is CTDC Connective Tissue Disease Cascade; it reflexes in the same format as the NRLS ANA CASCADE.

Testing Algorithm: ANA and CCP are always performed. If antinuclear antibodies are greater than or equal to 3.0 U, then antibodies to double-stranded DNA (dsDNA), extractable nuclear antigen evaluation (SSA Ab, SSB Ab, SM Ab RNP Ab SCL70 Ab, Jo1 Ab), ribosome P, and centromere are performed.

If result from dsDNA test is borderline, then dsDNA antibody by the Crithidia immunofluorescence assay will be performed.

More information about the CTDC test can be found in the Laboratory Test Catalog:

<https://nrls.testcatalog.org/show/CTDC>.

Mayo performs testing Monday through Saturday and results are available 3 to 4 days after the specimen arrives at Mayo. The sample type, gold top serum, will remain the same.

Many physicians prefer to order the extractable nuclear antigen evaluation antibodies (SSA Ab, SSB Ab, SM Ab RNP Ab SCL70 Ab, Jo1 Ab) as stand-alone tests without regard to the ANA being negative or positive. Mayo offers those 6 antibodies in the ENAE-Antibody to Extractable Nuclear Antigen Evaluation Panel.

Ordering the ENAE panel will cost a significant amount less than ordering 3 or more of those antibodies individually.

Norman Regional Laboratory expects to go live Monday February 27, 2023.

For further information, please call Stephanie Lane, Laboratory Technical Coordinator for Referral Testing, at 405-307-1186.

Norman Regional Laboratory Services Test Catalog can be found at <https://nrls.testcatalog.org/>.