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Des Moines Laboratory

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MercyOne Des Moines Laboratory is moving testing of autoimmune serologies to the Phadia platform on 5/29/2024. The Phadia instrument currently tests for allergy IgE antibodies and has proven more reliable than our current platform with fewer reagent backorders, maintaining the highest quality results. Our menu is very similar with a few improvements to connective tissue and rheumatoid arthritis menus.

Note: dsDNA Scrn is the only true quantitative test in this group. Other assay results cannot be compared to results run on the previous platform.

Connective Tissue Disease:

Past: *ANA Screen Positive* - detection of any of these antibodies: dsDNA Scrn, Chromatin Ab, Ribosomal-P Ab, SSA Ab, SSB Ab, Smith Ab, SmRNP Ab, RNP Ab, Scl 70 Ab, Jo 1 Ab, and Centromere Ab.

Current: *ANA Screen Positive* - detection of any of these antibodies: SSA Ab, SSB Ab, Smith Ab, RNP Ab, Scl-70 Ab, Jo-1 Ab, and Centromere Ab.

Past Ordering Options:

Antinuclear Antibody Screen, rflx Confirmation,

A positive ANA Screen reflexes to ANA IFA.

Antinuclear Ab Scrn w/Rflx ENA and IFA,

A positive ANA Screen reflexes to the ANA IFA in addition to the current ENA panel (dsDNA Scrn, SSA Ab, SSB Ab, Smith Ab, RNP Ab, SCL-70 Ab, Jo 1 Ab, and Centromere Ab). A positive dsDNA Scrn would reflex to a dsDNA IFA.

New Ordering Options:

Antinuclear Antibody Screen, rflx Confirmation

Will result both a qualitative ANA Screen and a quantitative dsDNA Scrn. If the ANA Screen is positive, it will reflex to an ANA IFA. If the dsDNA Scrn is above normal range, it will reflex to a dsDNA IFA.

Antinuclear Ab Scrn w/Rflx ENA and IFA

Both a qualitative ANA Screen and a quantitative dsDNA Scrn will result. If the dsDNA Scrn is above normal range, the dsDNA IFA will reflex. If the ANA Screen is positive, both the ANA IFA and the ENA panel (SSA Ab, SSB Ab, Smith Ab, RNP Ab, SCL 70 Ab, Jo 1 Ab, and Centromere Ab) will reflex.

Note: dsDNA Scrn is no longer a part of the ENA panel since the dsDNA Scrn assay is always paired with the ANA Screen.

ENA Panel

Each assay in the ENA panel (SSA Ab, SSB Ab, Smith Ab, RNP Ab, SCL 70 Ab, Jo 1 Ab, and Centromere Ab), and the dsDNA Scrn, remain orderable independently. When the dsDNA Scrn is ordered, the dsDNA IFA will be reflexed if the quantitative screen result is above normal range.

*Note: Clients will have approximately **30 days** to add on ENA testing if the ANA screen with reflex confirmation is ordered.*

Rheumatoid Arthritis (Rheumatoid Arthritis Panel)

We will now offer a new Rheumatoid Arthritis Panel which includes CCP Ab with the current RF (Rheumatoid Factor). CCP Ab can also be ordered independently. CCP Ab is more specific for rheumatoid arthritis than RF and has been shown to detect the onset of RA many years earlier.

Vasculitis (Vasculitis Antibodies Panel)

The vasculitis antibodies can be ordered independently as Myeloperox Ab, PR3, and/or AGBM. We will continue to offer the Vasculitis Panel with Myeloperox Ab, PR3, and ANCA PC.

Celiac (Celiac Screen)

We will still offer the Celiac Screen which includes Endomysial Antibody IgA, Gliadin Ab, TTG G Ab, and Immunoglobulin A. TTG IgA Ab and TTG IgG Ab are orderable independently, and the Gliadin IgG and IgA antibodies are orderable together.

Antiphospholipid Syndrome (Antiphospholipid Antibody Profile, Antibody Markers, & Hypercoagulable Panel)

Cardio IgA, Cardio IgG, Cardio IgM, B2G IgA, B2G IgG and B2G IgM will be orderable together as they are now. We will continue to offer the Antiphospholipid Antibody Profile adding Lupus Anticoagulant to the Cardiolipin, Beta 2 Glyco Antibodies, and will also continue to offer the Hypercoagulable Panel (for outpatient testing) which includes:

- PT, PTT-LA, and DRVVT (with StaClot if indicated)
- Beta-2 glycoprotein and Anticardiolipin antibodies
- Activated Antithrombin III, Protein C, and Protein S activities
- Factor V Leiden and Prothrombin gene (PT 20210) mutations
- Serum homocysteine

Please contact Jill Noble MLS(ACCP)CM at jill.noble@mercyoneiowa.org with any questions.