

NEW TEST

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Anti-Mutated Citrullinated Vimentin (MCV) Antibody, Serum

3019462, ANTI-MCVAB

Specimen Requirements:

Patient Preparation:

Collect: Serum separator tube (SST).

Specimen Preparation: Separate serum from cells as soon as possible or within 2 hours of collection. Transfer 1 mL serum to an ARUP standard transport tube. (Min: 0.5 mL)

Transport Temperature: Refrigerated.

Unacceptable Conditions: Contaminated, heat-inactivated, grossly hemolyzed, grossly icteric, or grossly lipemic specimens.

Remarks:

Stability: Ambient: 48 hour; Refrigerated: 5 days; Frozen: 30 days; samples should be frozen and thawed only once. Samples that are improperly stored or are subject to multiple freeze-thaw cycles may yield spurious results.

Methodology: Semi-Quantitative Enzyme-Linked Immunosorbent Assay (ELISA)

Performed: Wed

Reported: 1-8 days

Note: Vimentin is an intermediate filament protein secreted by macrophages in inflamed joints. Mutated citrullinated vimentin (MCV) is a modified protein found in the synovial fluids of subjects with rheumatoid arthritis (RA). MCV can induce the formation of autoantibodies (anti-MCV). Anti-MCV antibodies can be of higher sensitivity in the diagnosis of RA and can be found in patients negative for anti-CCP. Anti-MCV can be a useful marker for early RA diagnosis, and positivity has been associated with disease activity and poor radiographic prognosis. This assay uses ELISA methodology for the detection of anti-MCV antibodies. MCV is bound to microwells. If antibodies to MCV are present in the tested patient sample, they will bind to the antigens on the microwells. Enzyme conjugated anti-human secondary antibodies are then added, followed by the addition of a substrate to generate a color

reaction. The intensity of the color is proportional to the bound anti-MCV IgG antibodies and is measured using a spectrophotometer.

CPT Codes: 83520

New York DOH Approval Status: This test is New York DOH approved.

Interpretive Data:

Reference Interval:

Test Number	Components	Reference Interval
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HOTLINE NOTE: Refer to the Hotline Test Mix for interface build information.