

TEST CHANGE

Aquaporin-4 Receptor Antibody by ELISA with Reflex to Aquaporin-4 Receptor Antibody, IgG by IFA

2013327, AQP4 R

Specimen Requirements:

Patient Preparation:

Collect: Serum Separator Tube (SST).

Specimen Preparation: Separate from cells ASAP or within 2 hours of collection. Transfer 1 mL serum to an ARUP Standard Transport Tube. (Min: 0.3 mL)

Transport Temperature: Refrigerated.

Unacceptable Conditions: Amniotic fluid, CSF, pericardial fluid, ocular fluid, peritoneal fluid, synovial fluid, or plasma. Contaminated, hemolyzed, icteric, or lipemic specimens.

Remarks:

Stability: After separation from cells: Ambient: 72 hours; Refrigerated: 2 weeks; Frozen: 1 month (avoid repeated freeze/thaw cycles)

Methodology: Semi-Quantitative Enzyme-Linked Immunosorbent Assay/
Semi-Quantitative Indirect Fluorescent Antibody

Performed: Tue, Thu

Reported: 1-6 days

Note: If AQP4 antibody IgG by ELISA is positive, then AQP4 antibody IgG by IFA will be added. If AQP4 antibody IgG by IFA is positive, then an AQP4 antibody IgG titer will be added. Additional charges apply.

CPT Codes: 86051; if reflexed, add 86052; 86256

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

Interpretive Data:

Approximately 75 percent of patients with neuromyelitis optica (NMO) express antibodies to the aquaporin-4 (AQP4) receptor. Diagnosis of NMO requires the presence of longitudinally extensive acute myelitis (lesions extending over 3 or more vertebral segments) and optic neuritis. While absence of antibodies to the AQP4 receptor does not rule out the diagnosis of NMO, presence of this antibody is diagnostic for NMO.

Component	Interpretation	
Aquaporin-4 Receptor Antibody	Negative Positive	2.9 U/mL or less 3.0 U/mL or greater

Reference Interval:

Test Number	Components	Reference Interval
	Aquaporin-4 Receptor Antibody	2.9 U/mL or less