

TEST CHANGE

Aquaporin-4 (AQP4) Antibody, IgG by CBA-IFA With Reflex to Titer, CSF

2011699, AQP4 CSF

Specimen Requirements:

Patient Preparation:

Collect: CSF.

Specimen Preparation: Transfer 0.5 mL CSF to an ARUP standard transport tube. (Min: 0.15 mL)

Transport Temperature: Refrigerated.

Unacceptable Conditions: Hemolyzed, contaminated specimens or severely lipemic specimens.

Remarks:

Stability: Ambient: 48 hours; Refrigerated: 2 weeks; Frozen: 1 [month](#).[year](#)

Methodology: Semi-Quantitative Cell-Based Indirect Fluorescent Antibody

Performed: Mon, Wed, Fri

Reported: 1-6 days

Note: If AQP4 antibody IgG is positive, then an AQP4 antibody IgG titer is reported. Additional charges apply.

CPT Codes: 86052; if reflexed, add 86256

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

Interpretive Data:

Neuromyelitis optic (NMO) commonly presents with optic neuritis or longitudinally extensive transverse myelitis. Approximately 75% of patients with NMO have antibodies to the aquaporin-4 (AQP4) receptor. While the absence of AQP4 receptor antibodies does not rule out a diagnosis of NMO, presence of this antibody is diagnostic for NMO.

This indirect fluorescent antibody assay utilizes AQP4 receptor transfected cell lines for the detection and semiquantification of AQP4 IgG antibody.

Reference Interval:

Less than 1:1

