

TEST CHANGE

Myelin Oligodendrocyte Glycoprotein (MOG) Antibody, IgG by CBA-IFA With Reflex to Titer, CSF

3016853, MOG CSF

Specimen Requirements:

Patient Preparation:

Collect: CSF

Specimen Preparation: Transfer **10-5** mL CSF to an ARUP standard transport tube. (Min: **0.315** mL)

Transport Temperature: Refrigerated.

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

Remarks:

Stability: Ambient: 48 hours; Refrigerated: 2 weeks; Frozen: 1 month

Methodology: Semi-Quantitative Cell-Based Indirect Fluorescent Antibody

Note: If Myelin Oligodendrocyte Glycoprotein (MOG) Antibody, IgG by IFA with Reflex to Titer, CSF is positive, then a Myelin Oligodendrocyte Glycoprotein (MOG) Antibody Titer, IgG is performed. Additional charges apply.

CPT Codes: 86362; if reflexed, add 86256

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

Interpretive Data:

Myelin oligodendrocyte glycoprotein (MOG) antibody is found in a subset of patients with neuromyelitis optica spectrum disorders, including optic neuritis and transverse myelitis, brainstem encephalitis, and acute disseminated encephalomyelitis. Persistence of antibody positivity may be associated with a relapsing course; decreasing antibody levels may be associated with therapeutic response. A negative test result does not rule out a diagnosis of CNS demyelinating disease. Low antibody titers have a lower positive predictive value of disease, and should be carefully interpreted in the context of the patient's clinical history, neurologic exam, imaging, and other laboratory findings. Serum is the preferred specimen type, but in some cases patients with MOG-associated disease may be positive only in CSF; CSF positivity may be associated with more severe clinical outcomes.

This indirect fluorescent antibody assay utilizes full-length MOG transfected cell lines for the detection and semiquantification of MOG IgG antibody.

Reference Interval:

Test Number	Components	Reference Interval
	MOG Ab IgG CBA-IFA Screen, CSF	Less than 1:1

