

NEUROMYELITIS  
OPTICA  
SPECTRUM  
PANEL

## Orderable - Serum: NMOSD CSF: NMOSDCSF

Turnaround Time: 7 days

### Alternate Name(s):

Anti Myelin Oligodendrocyte Glycoprotein and Anti Aquaporin4, IgG  
Anti AQP4 antibody  
Anti NMO antibody  
Anti MOG antibody



**Laboratory:**  
Clinical Immunology Lab



**Requisition:**  
GENERAL LABORATORY  
REQUISITION



**Method of Analysis:**  
Recombinant Cell-based  
Immunofluorescence  
Assay (IFA)



**Test Schedule:**  
Batch analysis

### Specimen:

Adult	Pediatric
5 mL Gold top Vacutainer tube or 6 mL Red top Vacutainer tube	0-2 years: Red 0.5 mL Microtainer 2-10 years: 2 mL Red top
<b>Light Green (Li-Heparin) or Lavender (EDTA) top tubes are also acceptable</b>	
<b>CSF will also be accepted</b>	

### Collection Information:

Minimum volume required for testing is 0.1 mL

### Reference Ranges:

Negative

### Interpretive Comments:

This test can be used to help distinguish between Multiple Sclerosis (MS) and Neuromyelitis Optica Spectrum Disorders (NMOSD).

### Specimen Stability:

The samples can be stored for up to 14 days at temperatures of 2-8°C. For longer storage, store at -20°C.  
Avoid freeze/thaw cycles.



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### Comments:

This test is available to LHSC Neurologists only and accepted from referred in locations.

A single autoantibody test is not diagnostic and should not be used to determine course of treatment.

The test result must be evaluated with consideration of clinical presentation, patient history and other laboratory tests.

### Critical Information Required:

Testing for AQP4 and MOG antibodies may be more sensitive in serum than in CSF. CSF testing should only be considered in patients receiving acute immunotherapy such as plasma exchange, and should be accompanied by a serum sample.