



LABORATORY REPORT

Example Client, XYZ123
1234 Warde Road
Ann Arbor MI 48108

EXAMPLE, REPORT W
WX0000003827 M 07/08/1978 45 Y

Referral Testing

Collected: 09/05/2023 09:42 Received: 09/05/2023 09:42

Test Name Result Flag Ref-Ranges Units Site

CNS Demyelinating Disease Eval, Serum

CNS Demyelinating Disease Interp SEE BELOW MMRL

The following antibodies were identified: MOG IgG.

* Caution advised. MOG-IgG has an overall specificity of 98%, but MOG-IgG at low titers of 1:20 or 1:40 has a positive predictive value as low as 50% for MOG antibody associated disorder (MOGAD). Up to half of those with MOG-IgG titers of 1:20 or 1:40 will have an alternative neurologic disorder (e.g., MS) and care is needed to ensure the phenotype is characteristic. * MOGAD is a monophasic or relapsing CNS demyelinating disease that may affect any age with children particularly predisposed. Clinical manifestations include optic neuritis, transverse myelitis, acute disseminated encephalomyelitis (ADEM), neuromyelitis optica or unilateral cortical encephalitis. A progressive course does not occur, CSF oligoclonal bands are rare (<15%) and MOGAD MRI lesions often differ in morphology and evolution from MS. Repeat MOG-IgG testing 6-12 months after disease onset may assist prognosis as persistence increases the risk of relapsing disease over a monophasic disorder. * Reference: Sechi E, Buciu M, Pittock SJ, et al. Positive Predictive Value of Myelin Oligodendrocyte Glycoprotein Autoantibody Testing. JAMA Neurol. 2021;78(6):741-746.

MOG FACS, S Positive H Negative MMRL

Screen positive, see confirmatory test results.

-----ADDITIONAL INFORMATION-----

This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

Test Performed by:
Mayo Clinic Laboratories - Rochester Main Campus
200 First Street SW, Rochester, MN 55905
Lab Director: William G. Morice M.D. Ph.D.; CLIA# 24D0404292

MOG FACS Titer, S Positive 1:40 H <1:20 titer MMRL

-----ADDITIONAL INFORMATION-----

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED



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NMO/AQP4 FACS, S Negative Negative MMRL

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NMO/AQP4 FACS Titer, S .TNP MMRL

Performing Site:
MMRL: MAYO MEDICAL REFERENCE LAB 3050 Superior Drive NW Rochester MN 55901

Reported Date: 2023.09.05 9:42 CDS1

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