



LABORATORY REPORT

NAME	: MR.SI0106	REFERRED BY	: SELF	VISIT NO	: VAMP26147934
AGE	: 40Y 0M 0D	ZERO TARIFF CLIENT CODE		COLLECTED ON	: 21-04-2026 10:00
GENDER	: Male	LAB MR#	: AAMP01479213	RECEIVED ON	: 21-04-2026 18:08
OP / IP / DG #	:			APPROVED ON	: 22-04-2026 20:15
				REPORT STATUS	: Final Report



Test Name	Result	Biological Ref. Interval	Unit
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SEROLOGY AND IMMUNOLOGY

Anti-Aquaporin-4 / NMO Antibodies (Neuromyelitis Optica Antibodies) (Serum)

AQP4 or NMO IgG Antibodies	Negative	Negative
<i>Immuno fluorecence Microscopy</i>		

Interpretation:

Note: Sample screening dilution 1:10

NMOIgG are disease specific autoantibody for neuromyelitis optica (NMO) that binds selectively to aquaporin4 (AQ4), an astrocytic water channel protein.

The inflammatory autoimmune disease NMO is a rare form (around 1%) of the group of acquired demyelinating diseases of the CNS with degradation of the insulating sheath of at least one optic nerve(neuritis nervi optici) and myelitis later.This autoantibody is seen in 73% of

Neuromyelitis optica and implicated in its aetiopathogenesis due to its cytopathic effect. It is considered as a specific biomarker to differentiate Neuromyelitis optica (NMO) or Devic's disease from Multiple sclerosis(MS) and related disorders like relapsing transverse myelitis.

NMOIgG/AQP4Ab seropositive status has also important prognostic and therapeutic implications in patients with isolated longitudinally extensive myelitis (LETM) or optic neuritis (ON).

Technique:

Indirect Immunofluorescence with sample screening dilution 1:10. The test detects IgG antibodies against aquaporin-4 using transfected HEK2 cells & primate optic nerve as substrate.

Dr. G. Amitha
MBBS, MD (MICROBIOLOGY)
Consultant Microbiologist

Disclaimer:

- All results released pertain to the specimen as received by the lab for testing and under the assumption that the patient indicated or identified on the bill/test requisition form is the owner of the specimen.
- Clinical details and consent forms, especially in Genetic testing, histopathology, as well as wherever applicable, are mandatory to be accompanied with the test requisition form. The non-availability of such information may lead to delay in reporting as well as misinterpretation of test results. The lab will not be responsible for any such delays or misinterpretations thereof.
- Test results are dependent on the quality of the sample received by the lab. In case the samples are preprocessed elsewhere (e.g., paraffin blocks), results may be compromised.

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This is an electronically authenticated laboratory report.

Page 1 of 2

Sin No: 20385231





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<p>4. Tests are performed as per the schedule given in the test listing and in any unforeseen circumstances, report delivery may be affected.</p> <p>5. Test results may show inter-laboratory as well as intra-laboratory variations as per the acceptable norms.</p> <p>6. Genetic reports as well as reports of other tests should be correlated with clinical details and other available test reports by a qualified medical practitioner. Genetic counselling is advised in genetic test reports by a qualified genetic counsellor, medical practitioner or both.</p> <p>7. Samples will be discarded post processing after a specified period as per the laboratory's retention policy. Kindly get in touch with the lab for more information.</p> <p>8. If accidental damage, loss, or destruction of the specimen is not attributable to any direct or negligent act or omission on the part of Ampath Labs or its employees, Ampath shall in no event be liable. Ampath lab's liability for a lack of services, or other mistakes and omissions, shall be restricted to the amount of the patient's payment for the pertinent laboratory services.</p>			

