

Specimen Collected: 17-Dec-20 12:01

Motor Neuropathy Panel	Result	Units	Reference Interval
MAG Antibody, IgM Elisa	30 ⁱ¹	TU	0-999
SGPG Antibody, IgM	30.00 ^{H i2}	IV	0.00-0.99
Asialo-GM1 Antibodies, IgG/IgM	30	IV	0-50
GM1 Antibodies, IgG/IgM	30	IV	0-50
GD1a Antibodies, IgG/IgM	30	IV	0-50
GD1b Antibodies, IgG/IgM	30	IV	0-50
GQ1b Antibodies, IgG/IgM	30 ⁱ³	IV	0-50
Immunoglobulin G	800 ⁱ⁴	mg/dL	768-1632
Immunoglobulin A	300 ⁱ⁵	mg/dL	68-408
Immunoglobulin M	250 ⁱ⁶	mg/dL	35-263
Total Protein, Serum	8.0	g/dL	6.3-8.2
Albumin	4.00	g/dL	3.75-5.01
Alpha 1 Globulin	0.40	g/dL	0.19-0.46
Alpha 2 Globulin	0.50	g/dL	0.48-1.05
Beta Globulin	0.80	g/dL	0.48-1.10
Gamma	0.80	g/dL	0.62-1.51
Immunofixation	IFE Done		
SPEP/IFE	See Note ^{f1}		
Interpretation			
EER Motor Neuropathy Panel	See Note ^{f2}		

Result Footnote

- f1: SPEP/IFE Interpretation
Normal SPEP pattern. IFE shows a normal pattern, no monoclonal proteins seen.
- f2: EER Motor Neuropathy Panel
Access ARUP Enhanced Report using the link below:

-Direct access: [REDACTED]

Test Information

- i1: MAG Antibody, IgM Elisa
INTERPRETIVE INFORMATION: MAG Antibody, IgM ELISA

An elevated IgM antibody concentration greater than 999 TU against myelin-associated glycoprotein (MAG) suggests active demyelination in peripheral neuropathy. A normal concentration (less than 999 TU) generally rules out an anti-MAG antibody-associated peripheral neuropathy.

TU=Titer Units

*=Abnormal, #=Corrected, C=Critical, f=Result Footnote, H=High, i=Test Information, L=Low, t=Interpretive Text, @=Performing Lab

Unless otherwise indicated, testing performed at:

ARUP Laboratories

500 Chipeta Way, Salt Lake City, UT 84108

Laboratory Director: Tracy I. George, MD

ARUP Accession: 20-352-900105

Report Request ID: 13695396

Printed: 22-Dec-20 12:19

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Test Information

i1: MAG Antibody, IgM Elisa

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement D: aruplab.com/CS

i2: SGPG Antibody, IgM

INTERPRETIVE INFORMATION: SGPG Antibody, IgM

The majority of sulfate-3-glucuronyl paragloboside (SGPG) IgM-positive sera will show reactivity against MAG. Patients who are SGPG IgM positive and MAG IgM negative may have multi-focal motor neuropathy with conduction block.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement D: aruplab.com/CS

i3: GQ1b Antibodies, IgG/IgM

INTERPRETIVE INFORMATION: Ganglioside (Asialo-GM1, GM1, GM2, GD1a, GD1b, and GQ1b) Antibodies, IgG/IgM

29 IV or less: Negative

30-50 IV: Equivocal

51-100 IV: Positive

101 IV or greater: Strong Positive

Ganglioside antibodies are associated with diverse peripheral neuropathies. Elevated antibody levels to ganglioside-monosialic acid (GM1), and the neutral glycolipid, asialo GM1 are associated with motor or sensorimotor neuropathies, particularly multifocal motor neuropathy. Anti-GM1 may occur as IgM (polyclonal or monoclonal) or IgG antibodies. These antibodies may also be found in patients with diverse connective tissue diseases as well as normal individuals. GD1a antibodies are associated with different variants of Guillain-Barre syndrome (GBS) particularly acute motor axonal neuropathy while GD1b antibodies are predominantly found in sensory ataxic neuropathy syndrome. Anti-GQ1b antibodies are seen in more than 80 percent of patients with Miller-Fisher syndrome and may be elevated in GBS patients with ophthalmoplegia. The role of isolated anti-GM2 antibodies is unknown. These tests by themselves are not diagnostic and should be used in conjunction with other clinical parameters to confirm disease.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement D: aruplab.com/CS

i4: Immunoglobulin G

REFERENCE INTERVAL: Immunoglobulin G

Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).

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Test Information

i5: Immunoglobulin A
REFERENCE INTERVAL: Immunoglobulin A

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i6: Immunoglobulin M
REFERENCE INTERVAL: Immunoglobulin M

Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).

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