

Client: Example Client ABC123  
123 Test Drive  
Salt Lake City, UT 84108  
UNITED STATES

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 4/2/1972  
**Gender:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**Motor and Sensory Neuropathy Evaluation with Reflex to Titer and Neuronal Immunoblot**

ARUP test code 2007966

**MAG Antibody, IgM Elisa** 0 TU (Ref Interval: 0-999)  
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  
Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement D: aruplab.com/CS

**SGPG Antibody, IgM** 0.28 IV (Ref Interval: 0.00-0.99)  
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

**Purkinje Cell/Neuronal Nuclear IgG Scrn** None Detected (Ref Interval: None Detected)  
ANNA-1, ANNA-2, PCCA-1 or PCCA-Tr(DNER) antibodies not detected. No further testing will be performed.  
INTERPRETIVE INFORMATION: Purkinje Cell/Neuronal Nuclear IgG Scrn  
Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement D: aruplab.com/CS

**Asialo-GM1 Antibodies, IgG/IgM** 26 IV (Ref Interval: 0-50)

**GM1 Antibodies, IgG/IgM** 13 IV (Ref Interval: 0-50)

**H=High, L=Low, \*=Abnormal, C=Critical**

GD1a Antibodies, IgG/IgM	26 IV	(Ref Interval: 0-50)
GD1b Antibodies, IgG/IgM	14 IV	(Ref Interval: 0-50)
GQ1b Antibodies, IgG/IgM	13 IV	(Ref Interval: 0-50)

**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

H=High, L=Low, \*=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
MAG Antibody, IgM Elisa	20-265-400677	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
SGPG Antibody, IgM	20-265-400677	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Purkinje Cell/Neuronal Nuclear IgG Sern	20-265-400677	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Asialo-GM1 Antibodies, IgG/IgM	20-265-400677	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
GM1 Antibodies, IgG/IgM	20-265-400677	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
GD1a Antibodies, IgG/IgM	20-265-400677	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
GD1b Antibodies, IgG/IgM	20-265-400677	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
GQ1b Antibodies, IgG/IgM	20-265-400677	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

H=High, L=Low, \*=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com  
500 Chipeta Way, Salt Lake City, UT 84108-1221  
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example  
ARUP Accession: 20-265-400677  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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