

Patient ID <b>SA00581762</b>	Patient Name <b>SAMPLE REPORT, FMONP</b>	Birth Date <b>1974-12-31</b>	Gender <b>F</b>	Age <b>44</b>
Order Number <b>SA00581762</b>	Client Order Number <b>SA00581762</b>	Ordering Physician <b>CLIENT, CLIENT</b>	Report Notes	
Account Information <b>C7028846 DLMP Rochester</b>		Collected <b>18 Aug 2019 00:00</b>		

## Motor Neuropathy Panel

### MAG Antibody, IgM

**Y006**
**35 TU**
**Reference Value**  
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

**Y006**
**0.03 IV**
**Reference Value**  
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

### Asialo-GM1 Antibodies, IgG-IgM

**Y006**
**9 IV**
**Reference Value**  
0–50

### GM1 Antibodies, IgG-IgM

**Y006**
**27 IV**
**Reference Value**  
0–50

### GD1a Antibodies, IgG-IgM

**Y006**
**14 IV**
**Reference Value**  
0–50

### GD1b Antibodies, IgG-IgM

**Y006**
**33 IV**
**Reference Value**  
0–50

### GQ1b Antibodies, IgG-IgM

**Y006**
**6 IV**
**Reference Value**  
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

### Performing Site Legend

Code	Laboratory	Address
Y006	ARUP Laboratories	500 Chipeta Way, Salt Lake City, UT 84108

Patient ID <b>SA00581762</b>	Patient Name <b>SAMPLE REPORT, FMONP</b>	Birth Date <b>1974-12-31</b>	Gender <b>F</b>	Age <b>44</b>
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**Immunoglobulin G**
**Y006**
**1460 mg/dL**
**Reference Value**  
768–1632

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).

**Immunoglobulin A**
**Y006**
**401 mg/dL**
**Reference Value**  
68–408

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

**Immunoglobulin M**
**Y006**
**55 mg/dL**
**Reference Value**  
35–263

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).

**Total Protein, Serum**
**Y006**
**7.6 g/dL**
**Reference Value**  
6.3–8.2

**Albumin**
**Y006**
**3.88 g/dL**
**Reference Value**  
3.75–5.01

**Alpha 1 Globulin**
**Y006**
**0.23 g/dL**
**Reference Value**  
0.19–0.46

**Alpha 2 Globulin**
**Y006**
**0.66 g/dL**
**Reference Value**  
0.48–1.05

**Beta Globulin**
**Y006**
**0.99 g/dL**
**Reference Value**  
0.48–1.10

**Gamma**
**Y006**
**0.77 g/dL**
**Reference Value**  
0.62–1.51

**Immunofixation**
**Y006**

IFE Done

**SPEP-IFE Interpretation**
**Y006**

See Note

Normal SPEP pattern. IFE shows a polyclonal increase in IgA, no monoclonal proteins seen.

**EER Motor Neuropathy Panel**
**Y006**

EERUnavailable

Performed by ARUP Laboratories,  
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**Received:** 19 Aug 2019 08:41

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Code	Laboratory	Address
Y006	ARUP Laboratories	500 Chipeta Way, Salt Lake City, UT 84108