

TEST CHANGE

Ganglioside (GM1) Antibodies, IgG and IgM

0050591, GM1 PAN

Specimen Requirements:

Patient Preparation:

Collect: Serum separator tube.

Specimen Preparation: Separate serum from cells ASAP or within 2 hours of collection. Transfer 0.3 mL serum to an ARUP [standard transport tube](#). ~~Standard Transport Tube~~. (Min: 0.1 mL)

Transport Temperature: Refrigerated.

Unacceptable Conditions: Room temperature specimens. Plasma, CSF, or other body fluids. Contaminated, heat-inactivated, hemolyzed, icteric, or severely lipemic specimens.

Remarks:

Stability: After separation from cells: Ambient: 48 hours; Refrigerated: 2 weeks; Frozen: 1 year.

Methodology: Semi-Quantitative Enzyme-Linked Immunosorbent Assay

Performed: [Tue, Thu, Sat](#)
[Mon, Wed, Fri](#)

Reported: 1-~~7~~4 days

Note:

CPT Codes: 83516 x2

New York DOH Approval Status: This test is New York DOH approved.

Interpretive Data:

Ganglioside antibodies are associated with diverse peripheral neuropathies. Elevated antibody levels to ganglioside-monosialic acid (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. These tests by themselves are not diagnostic and should be used in conjunction with other clinical parameters to confirm disease.

~~This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.~~

Component	Interpretation
GM1 Antibody IgG	29 IV or less: Negative 30-50 IV: Equivocal 51-100 IV: Positive 101 IV or greater: Strong Positive
GM1 Antibody, IgM	29 IV or less: Negative 30-50 IV: Equivocal 51-100 IV: Positive 101 IV or greater: Strong Positive

Reference Interval:

Test Number	Components	Reference Interval						
	GM1 Antibody, IgG	50 IV or less						
	GM1 Antibody, IgG							
		<table border="1"> <thead> <tr> <th>Component(s)</th> <th>Interpretation</th> <th></th> </tr> </thead> <tbody> <tr> <td>GM1 Antibody IgG</td> <td>29 IV or less 30-50 IV 51-100 IV 101 IV or greater</td> <td>Negative Equivocal Positive Strong Positive</td> </tr> </tbody> </table>	Component(s)	Interpretation		GM1 Antibody IgG	29 IV or less 30-50 IV 51-100 IV 101 IV or greater	Negative Equivocal Positive Strong Positive
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	GM1 Antibody, IgM	50 IV or less						