

Ganglioside Antibodies Evaluation, Serum

Test ID: GAES

Useful for:

Supporting the diagnosis of an autoimmune neuropathy

Profile Information:

Test ID	Reporting Name	Available Separately	Always Performed
GAESI	Ganglioside Antibodies Interp, S	No	Yes
GQ1ES	GQ1b-IgG ELISA, S	Yes	Yes
IGG_D	IgG Disialo. GD1b	No	Yes
IGM_D	IgM Disialo. GD1b	No	Yes
IGG_M	IgG Monos. GM1	No	Yes
IGM_M	IgM Monos. GM1	No	Yes

Reflex Tests:

Test ID	Reporting Name	Available Separately	Always Performed
IGDTS	IgG Disialo GD1b Titer, S	No	No
IMDTS	IgM Disialo GD1b Titer, S	No	No
IGMTS	IgG Monos GM1 Titer, S	No	No
IMMTS	IgM Monos GM1 Titer, S	No	No

Methods:

GQ1ES, IGG_D, IGM_D, IGG_M, IGM_M, IGDTS, IMDTS, IGMTS, IMMTS: Enzyme-Linked Immunosorbent Assay (ELISA)

GAESI: Technical Interpretation

Reference Values:

GQ1b-IgG ELISA: Negative

IgG Disialo. GD1b: Negative

IgM Disialo. GD1b: Negative

IgG Monos. GM1: Negative

IgM Monos. GM1: Negative

IgG Disialo GD1b Titer: <1:2000
IgM Disialo GD1b Titer: <1:2000
IgG Monos GM1 Titer: <1:2000
IgM Monos GM1 Titer: <1:4000

Specimen Requirements:

Patient Preparation:

For optimal antibody detection, specimen collection is recommended to occur prior to initiation of immunosuppressant medication or intravenous immunoglobulin treatment.

Supplies:

Sarstedt Aliquot Tube, 5 mL (T914)

Container/Tube:

Preferred:

Red top

Acceptable:

Serum gel

Submission Container/Tube:

Plastic vial

Specimen Volume:

1 mL

Collection Instructions:

Centrifuge and aliquot serum into a plastic vial.

Minimum Volume:

0.5 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	28 days
	Ambient	72 hours
	Frozen	28 days

Cautions:

Positive titer values less than 1:16,000 may be found in motor neuron disease, monoclonal gammopathy of uncertain significance, and healthy individuals. High titers are very specific of an autoimmune neuropathy.

This test is not diagnostic and should be interpreted in the appropriate clinical context.

This test does not include testing for ganglioside GD1a autoantibodies.

CPT Code:

83516 x5

83520 x4 (if applicable)

Day(s) Performed: Monday, Wednesday, Friday

Report Available: 5 to 8 days

Questions

Contact Amy Ennis or Steven Monson, Laboratory Resource Coordinator at 800-533-1710.