

TEST CHANGE

Motor and Sensory Neuropathy Evaluation with Immunofixation Electrophoresis and Reflex to Titer and Neuronal Immunoblot

2007967, MSNCR

Specimen Requirements:

Patient Preparation:

Collect: Serum Separator Tube (SST).

Specimen Preparation: Separate serum from cells ASAP or within 2 hours of collection. Transfer 5 mL serum to an ARUP Standard Transport Tube. (Min: 2.5 mL)

Transport Temperature: Refrigerated

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

Remarks:

Stability: Ambient: Unacceptable; Refrigerated: 1 week; Frozen: 1 month

Methodology: Semi-Quantitative Enzyme-Linked Immunosorbent Assay/Semi-Quantitative Indirect Fluorescent Antibody/Qualitative Immunoblot/Quantitative Immunoturbidimetry/Quantitative Capillary Electrophoresis/Qualitative Immunofixation Electrophoresis/Colorimetry

Performed: Tue

Reported: 3-9 days

Note: Purkinje Cell (PCCA) antibody and Neuronal Nuclear (ANNA) antibody IgG are screened by IFA. If the IFA screen is indeterminate, then a Neuronal Nuclear Antibodies (Hu, Ri, Yo, and Tr/DNER) IgG by Immunoblot will be added. If the IFA screen is positive at 1:10 or greater, then a PCCA/ANNA antibodies titer and Neuronal Nuclear Antibodies (Hu, Ri, Yo, and Tr/DNER) IgG by Immunoblot will be added. Additional charges apply.

CPT Codes: 83516 x7; 82784 x3; 84155; 84165; 86334; 86255 if reflexed add 84182 x4 and/or 86256

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

Interpretive Data:

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.

| Components | Interpretive Data |
|--------------------------------|--|
| Asialo-GM1 Antibodies, IgG/IgM | 29 IV or less: Negative 30-50 IV: Equivocal 51- 100 IV: Positive 101 IV or greater: Strong Positive |
| GM1 Antibodies, IgG/IgM | 29 IV or less: Negative 30-50 IV: Equivocal 51- 100 IV: Positive 101 IV or greater: Strong Positive |
| GD1a Antibodies, IgG/IgM | 29 IV or less: Negative 30-50 IV: Equivocal 51- 100 IV: Positive 101 IV or greater: Strong Positive |
| GD1b Antibodies, IgG/IgM | 29 IV or less: Negative 30-50 IV: Equivocal 51- 100 IV: Positive 101 IV or greater: Strong Positive |
| GQ1b Antibodies, IgG/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 | | |
|-------------|--------------------------------|---|----------------------------|--|
| | Albumin | 3.75-5.01 g/dL | | |
| | Alpha 1 Globulin | 0.19-0.46 g/dL | | |
| | Alpha 2 Globulin | 0.48-1.05 g/dL | | |
| | Beta Globulin | 0.48-1.10 g/dL | | |
| | Gamma | 0.62-1.51 g/dL | | |
| | Immunoglobulin A | | | |
| | | Age | Reference Interval (mg/dL) | |
| | | 0-2 years | 2-126 | |
| | | 3-4 years | 14-212 | |
| | | 5-9 years | 52-226 | |
| | | 10-14 years | 42-345 | |
| | | 15-18 years | 60-349 | |
| | | 19 years and older | 68-408 | |
| | Immunoglobulin G | | | |
| | | Age | Reference Interval (mg/dL) | |
| | | 0-2 years | 242-1108 | |
| | | 3-4 years | 485-1160 | |
| | | 5-9 years | 514-1672 | |
| | | 10-14 years | 581-1652 | |
| | | 15-18 years | 479-1433 | |
| | | 19 years and older | 768-1632 | |
| | Immunoglobulin M | | | |
| | | Age | Reference Interval (mg/dL) | |
| | | 0-2 years | 21-215 | |
| | | 3-4 years | 26-155 | |
| | | 5-9 years | 26-188 | |
| | | 10-14 years | 47-252 | |
| | | 15-18 years | 26-232 | |
| | | 19 years and older | 35-263 | |
| | Total Protein, Serum | Refer to report. Reference intervals may vary based on instrumentation. | | |
| | Asialo-GM1 Antibodies, IgG/IgM | 0-50 IV | | |
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| | | | | |
|--|---------------------------|------------------------------|-----------------|--|
| | | 29 IV or less | Negative | |
| | | 30-50 IV | Equivocal | |
| | | 51-100 IV | Positive | |
| | | 101 IV or greater | Strong Positive | |
| | GM1 Antibodies, IgG/IgM | 0-50 IV | | |
| | GM1 Antibodies, IgG/IgM | | | |
| | | 29 IV or less | Negative | |
| | | 30-50 IV | Equivocal | |
| | | 51-100 IV | Positive | |
| | | 101 IV or greater | Strong Positive | |
| | GD1a Antibodies, IgG/IgM | 0-50 IV | | |
| | GD1a Antibodies, IgG/IgM | | | |
| | | 29 IV or less | Negative | |
| | | 30-50 IV | Equivocal | |
| | | 51-100 IV | Positive | |
| | | 101 IV or greater | Strong Positive | |
| | GD1b Antibodies, IgG/IgM | 0-50 IV | | |
| | GD1b Antibodies, IgG/IgM | | | |
| | | 29 IV or less | Negative | |
| | | 30-50 IV | Equivocal | |
| | | 51-100 IV | Positive | |
| | | 101 IV or greater | Strong Positive | |
| | GQ1b Antibodies, IgG/IgM | 0-50 IV | | |
| | GQ1b Antibodies, IgG/IgM | | | |
| | | 29 IV or less | Negative | |
| | | 30-50 IV | Equivocal | |
| | | 51-100 IV | Positive | |
| | | 101 IV or greater | Strong Positive | |
| | SGPG Antibody, IgM | Less than 1.00 IV | | |
| | MAG Antibody, IgM Elisa | Less than 1000 TU | | |
| | Monoclonal Protein | <u><=0.00 g/dL</u> | | |

