

**Reporting Title:** Dysautonomia, Autoimm/Paraneo, S**Performing Location:** Rochester**Ordering Guidance:**

Multiple neurological phenotype-specific autoimmune/paraneoplastic evaluations are available. For more information as well as phenotype-specific testing options, refer to Autoimmune Neurology Test Ordering Guide.

For a list of antibodies performed with each evaluation, see Autoimmune Neurology Antibody Matrix.

**Necessary Information:**

Provide the following information:

- Relevant clinical information
- Ordering provider name, phone number, mailing address, and e-mail address

**Specimen Requirements:**

Patient Preparation:

1. For optimal antibody detection, specimen collection is recommended before initiation of immunosuppressant medication or intravenous immunoglobulin treatment.
2. This test should not be requested for patients who have recently received radioisotopes, therapeutically or diagnostically, because of potential assay interference. The specific waiting period before specimen collection will depend on the isotope administered, the dose given, and the clearance rate in the individual patient. Specimens will be screened for radioactivity prior to analysis. Radioactive specimens received in the laboratory will be held 1 week and assayed if sufficiently decayed or canceled if radioactivity remains.

Supplies: Sarstedt Aliquot Tube, 5 mL (T914)

Collection Container/Tube:

Preferred: Red top

Acceptable: Serum gel

Submission Container/Tube: Plastic vial

Specimen Volume: 4 mL

Collection Instructions: Centrifuge and aliquot serum into a plastic vial.

**Specimen Minimum Volume:**

2.5 mL

**Forms:**

If not ordering electronically, complete, print, and send a Neurology Specialty Testing Client Test Request (T732) with the specimen.

| Specimen Type | Temperature              | Time     | Special Container |
|---------------|--------------------------|----------|-------------------|
| Serum         | Refrigerated (preferred) | 28 days  |                   |
|               | Frozen                   | 28 days  |                   |
|               | Ambient                  | 72 hours |                   |

## Result Codes:

| Result ID | Reporting Name                  | Type         | Unit   | LOINC®   |
|-----------|---------------------------------|--------------|--------|----------|
| 34270     | Dysautonomia, Interpretation, S | Alphanumeric |        | 69048-7  |
| 618892    | IFA Notes                       | Alphanumeric |        | 48767-8  |
| 84321     | AChR Ganglionic Neuronal Ab, S  | Numeric      | nmol/L | 94694-7  |
| 80150     | ANNA-1, S                       | Alphanumeric |        | 33615-6  |
| 615863    | AP3B2 IFA, S                    | Alphanumeric |        | 101907-4 |
| 83077     | CRMP-5-IgG, S                   | Alphanumeric |        | 72504-4  |
| 64281     | CASPR2-IgG CBA, S               | Alphanumeric |        | 94285-4  |
| 64930     | DPPX Ab IFA, S                  | Alphanumeric |        | 82976-2  |
| 64279     | LG11-IgG CBA, S                 | Alphanumeric |        | 94287-0  |
| 83138     | PCA-2, S                        | Alphanumeric |        | 84925-7  |

LOINC and CPT codes are provided by the performing laboratory.

## Supplemental Report:

No

## Components:

| Test ID | Reporting Name                   | CPT Units | CPT Code | Always Performed | Orderable Separately |
|---------|----------------------------------|-----------|----------|------------------|----------------------|
| ADEI    | Dysautonomia, Interpretation, S  |           |          | Yes              | No                   |
| GANG    | AChR Ganglionic Neuronal Ab, S   |           |          | Yes              | No                   |
| ANN1S   | Anti-Neuronal Nuclear Ab, Type 1 |           |          | Yes              | No                   |
| APBIS   | AP3B2 IFA, S                     |           |          | Yes              | No                   |
| CRMS    | CRMP-5-IgG, S                    |           |          | Yes              | No                   |

| Test ID | Reporting Name                      | CPT Units | CPT Code | Always Performed | Orderable Separately |
|---------|-------------------------------------|-----------|----------|------------------|----------------------|
| CS2CS   | CASPR2-IgG CBA, S                   |           |          | Yes              | No                   |
| DPPIS   | DPPX Ab IFA, S                      |           |          | Yes              | No                   |
| LG1CS   | LGI1-IgG CBA, S                     |           |          | Yes              | No                   |
| PCAB2   | Purkinje Cell Cytoplasmic Ab Type 2 |           |          | Yes              | No                   |

**CPT Code Information:**

83519  
86255 x 7  
84182 AN1BS (if appropriate)  
86256 AN1TS (if appropriate)  
84182 AN2BS (if appropriate)  
86255 APBCS (if appropriate)  
86256 APBTS (if appropriate)  
86256 CRMTS (if appropriate)  
84182 CRMWS (if appropriate)  
86255 DPPCS (if appropriate)  
86256 DPPTS (if appropriate)  
86256 PC2TS (if appropriate)

**Reflex Tests:**

| Test ID | Reporting Name             | CPT Units | CPT Code | Always Performed | Orderable Separately |
|---------|----------------------------|-----------|----------|------------------|----------------------|
| AN1BS   | ANNA-1 Immunoblot, S       |           |          | No               | No                   |
| AN2BS   | ANNA-2 Immunoblot, S       |           |          | No               | No                   |
| DPPCS   | DPPX Ab CBA, S             |           |          | No               | No                   |
| DPPTS   | DPPX Ab IFA Titer, S       |           |          | No               | No                   |
| AN1TS   | ANNA-1 Titer, S            |           |          | No               | No                   |
| APBCS   | AP3B2 CBA, S               |           |          | No               | No                   |
| APBTS   | AP3B2 IFA Titer, S         |           |          | No               | No                   |
| CRMTS   | CRMP-5-IgG Titer, S        |           |          | No               | No                   |
| PC2TS   | PCA-2 Titer, S             |           |          | No               | No                   |
| CRMWS   | CRMP-5-IgG Western Blot, S |           |          | No               | Yes                  |

## Result Codes for Reflex Tests:

| Test ID | Result ID | Reporting Name             | Type         | Unit  | LOINC®   |
|---------|-----------|----------------------------|--------------|-------|----------|
| AN1BS   | 607260    | ANNA-1 Immunoblot, S       | Alphanumeric |       | 94389-4  |
| AN2BS   | 607262    | ANNA-2 Immunoblot, S       | Alphanumeric |       | 94387-8  |
| DPPCS   | 64933     | DPPX Ab CBA, S             | Alphanumeric |       | 94676-4  |
| DPPTS   | 64992     | DPPX Ab IFA Titer, S       | Alphanumeric | titer | 94675-6  |
| AN1TS   | 43431     | ANNA-1 Titer, S            | Alphanumeric | titer | 94342-3  |
| APBCS   | 615861    | AP3B2 CBA, S               | Alphanumeric |       | 101907-4 |
| APBTS   | 616109    | AP3B2 IFA Titer, S         | Alphanumeric | titer | 101908-2 |
| CRMTS   | 43436     | CRMP-5-IgG Titer, S        | Alphanumeric | titer | 94815-8  |
| PC2TS   | 43438     | PCA-2 Titer, S             | Alphanumeric | titer | 94351-4  |
| CRMWS   | 83107     | CRMP-5-IgG Western Blot, S | Alphanumeric |       | 47401-5  |

## Reference Values:

| Test ID | Reporting name                          | Methodology*           | Reference value   |
|---------|-----------------------------------------|------------------------|-------------------|
| ADEI    | Dysautonomia, Interpretation, S         | Medical interpretation | NA                |
| GANG    | AChR Ganglionic Neuronal Ab, S          | RIA                    | < or =0.02 nmol/L |
| ANN1S   | Anti-Neuronal Nuclear Ab, Type 1        | IFA                    | Negative          |
| APBIS   | AP3B2 IFA, S                            | IFA                    | Negative          |
| CS2CS   | CASPR2-IgG CBA, S                       | CBA                    | Negative          |
| CRMS    | CRMP-5-IgG, S                           | IFA                    | Negative          |
| DPPIS   | DPPX Ab IFA, S                          | IFA                    | Negative          |
| LG1CS   | LGI1-IgG CBA, S                         | CBA                    | Negative          |
| PCAB2   | Purkinje Cell Cytoplasmic Ab Type 2 IFA | IFA                    | Negative          |

### Reflex Information:

| Test ID | Reporting name       | Methodology* | Reference value |
|---------|----------------------|--------------|-----------------|
| AN1BS   | ANNA-1 Immunoblot, S | IB           | Negative        |
| AN1TS   | ANNA-1 Titer, S      | IFA          | <1:240          |
| AN2BS   | ANNA-2 Immunoblot, S | IB           | Negative        |
| APBCS   | AP3B2 CBA, S         | CBA          | Negative        |

|       |                            |     |          |
|-------|----------------------------|-----|----------|
| APBTS | AP3B2 IFA Titer, S         | IFA | <1:240   |
| CRMTS | CRMP-5-IgG Titer, S        | IFA | <1:240   |
| CRMWS | CRMP-5-IgG Western Blot, S | WB  | Negative |
| DPPCS | DPPX Ab CBA, S             | CBA | Negative |
| DPPTS | DPPX Ab IFA Titer, S       | IFA | <1:240   |
| PC2TS | PCA-2 Titer, S             | IFA | <1:240   |

\*Methodology abbreviations:

Immunofluorescence assay (IFA)

Cell-binding assay (CBA)

Western blot (WB)

Radioimmunoassay (RIA)

Immunoblot (IB)

Neuron-restricted patterns of IgG staining that do not fulfill criteria for ANNA-1, CRMP-5-IgG, or PCA-2 may be reported as "unclassified anti-neuronal IgG." Complex patterns that include nonneuronal elements may be reported as "uninterpretable."

Note: CRMP-5 titers lower than 1:240 are detectable by recombinant CRMP-5 Western blot analysis. CRMP-5 Western blot analysis will be done on request on stored serum (held 4 weeks). This supplemental testing is recommended in cases of chorea, vision loss, cranial neuropathy, and myelopathy. Call 800-533-1710 to request CRMP-5 Western blot.