



**Reporting Title:** Peds Autoimm Enceph CNS, CSF

**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:**

Container/Tube: Sterile vial

Preferred: Vial number 1

Acceptable: Any vial

Specimen Volume: 4 mL

**Specimen Minimum Volume:**

2 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 |
|---------------|--------------------------|----------|-------------------|
| CSF           | Refrigerated (preferred) | 28 days  |                   |
|               | Frozen                   | 28 days  |                   |
|               | Ambient                  | 72 hours |                   |



**Result Codes:**

| Result ID | Reporting Name                                             | Type         | Unit   | LOINC®   |
|-----------|------------------------------------------------------------|--------------|--------|----------|
| 605132    | Peds Autoimmune CNS Interp, CSF                            | Alphanumeric |        | 69048-7  |
| 618906    | IFA Notes                                                  | Alphanumeric |        | 48767-8  |
| 3852      | ANNA-1, CSF                                                | Alphanumeric |        | 44768-0  |
| 64282     | CASPR2-IgG CBA, CSF                                        | Alphanumeric |        | 94286-2  |
| 64929     | DPPX Ab IFA, CSF                                           | Alphanumeric |        | 82989-5  |
| 61515     | GABA-B-R Ab CBA, CSF                                       | Alphanumeric |        | 93426-5  |
| 21702     | GAD65 Ab Assay, CSF<br><b>Also used by tests: GD65C</b>    | Numeric      | nmol/L | 94359-7  |
| 605156    | GFAP IFA, CSF                                              | Alphanumeric |        | 94360-5  |
| 64280     | LG11-IgG CBA, CSF                                          | Alphanumeric |        | 94288-8  |
| 64927     | mGluR1 Ab IFA, CSF                                         | Alphanumeric |        | 94361-3  |
| 615866    | Neurochondrin IFA, CSF                                     | Alphanumeric |        | 101451-3 |
| 61513     | NMDA-R Ab CBA, CSF                                         | Alphanumeric |        | 93502-3  |
| 21631     | PCA-Tr, CSF                                                | Alphanumeric |        | 90845-9  |
| 38325     | NMO/AQP4-IgG FACS, CSF<br><b>Also used by tests: NMOFC</b> | Alphanumeric |        | 46718-3  |

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 |
|---------|----------------------------------|-----------|----------|------------------|----------------------|
| PCCI    | Peds Autoimmune CNS Interp, CSF  |           |          | Yes              | No                   |
| ANN1C   | Anti-Neuronal Nuclear Ab, Type 1 |           |          | Yes              | No                   |
| CS2CC   | CASPR2-IgG CBA, CSF              |           |          | Yes              | No                   |
| DPPIC   | DPPX Ab IFA, CSF                 |           |          | Yes              | No                   |
| GABCC   | GABA-B-R Ab CBA, CSF             |           |          | Yes              | No                   |



| Test ID | Reporting Name                       | CPT Units | CPT Code | Always Performed | Orderable Separately |
|---------|--------------------------------------|-----------|----------|------------------|----------------------|
| GD65C   | GAD65 Ab Assay, CSF                  |           |          | Yes              | Yes                  |
| GFAIC   | GFAP IFA, CSF                        |           |          | Yes              | No                   |
| LG1CC   | LGI1-IgG CBA, CSF                    |           |          | Yes              | No                   |
| GL1IC   | mGluR1 Ab IFA, CSF                   |           |          | Yes              | No                   |
| NCDIC   | Neurochondrin IFA, CSF               |           |          | Yes              | No                   |
| NMDCC   | NMDA-R Ab CBA, CSF                   |           |          | Yes              | No                   |
| PCTRC   | Purkinje Cell Cytoplasmic Ab Type Tr |           |          | Yes              | No                   |
| NMOFC   | NMO/AQP4 FACS, CSF                   |           |          | Yes              | Yes                  |

**CPT Code Information:**

86255 x 10

86341

86053

84182 AN1BC (if appropriate)

86256 AN1TC (if appropriate)

84182 AN2BC (if appropriate)

86255 DPPCC (if appropriate)

86256 DPPTC (if appropriate)

86256 GABIC (if appropriate)

86255 GFACC (if appropriate)

86256 GFATC (if appropriate)

86255 GL1CC (if appropriate)

86256 GL1TC (if appropriate)

86255 NCDCC (if appropriate)

86256 NCDTC (if appropriate)

86256 NMDIC (if appropriate)

86053 NMOTC (if appropriate)

84182 PCTBC (if appropriate)

86256 PCTTC (if appropriate)

**Reflex Tests:**

| Test ID | Reporting Name         | CPT Units | CPT Code | Always Performed | Orderable Separately |
|---------|------------------------|-----------|----------|------------------|----------------------|
| AN1BC   | ANNA-1 Immunoblot, CSF |           |          | No               | No                   |
| AN2BC   | ANNA-2 Immunoblot, CSF |           |          | No               | No                   |



| Test ID | Reporting Name                  | CPT Units | CPT Code | Always Performed | Orderable Separately |
|---------|---------------------------------|-----------|----------|------------------|----------------------|
| DPPCC   | DPPX Ab CBA, CSF                |           |          | No               | No                   |
| DPPTC   | DPPX Ab IFA Titer, CSF          |           |          | No               | No                   |
| GABIC   | GABA-B-R Ab IF Titer Assay, CSF |           |          | No               | No                   |
| GFACC   | GFAP CBA, CSF                   |           |          | No               | No                   |
| GFATC   | GFAP IFA Titer, CSF             |           |          | No               | No                   |
| GL1CC   | mGluR1 Ab CBA, CSF              |           |          | No               | No                   |
| GL1TC   | mGluR1 Ab IFA Titer, CSF        |           |          | No               | No                   |
| NMDIC   | NMDA-R Ab IF Titer Assay, CSF   |           |          | No               | No                   |
| NMOTC   | NMO/AQP4 FACS Titer, CSF        |           |          | No               | No                   |
| PCTBC   | PCA-Tr Immunoblot, CSF          |           |          | No               | No                   |
| AN1TC   | ANNA-1 Titer, CSF               |           |          | No               | No                   |
| NCDCC   | Neurochondrin CBA, CSF          |           |          | No               | No                   |
| NCDTC   | Neurochondrin IFA Titer, CSF    |           |          | No               | No                   |
| PCTTC   | PCA-Tr Titer, CSF               |           |          | No               | No                   |

**Result Codes for Reflex Tests:**

| Test ID | Result ID | Reporting Name                  | Type         | Unit  | LOINC®     |
|---------|-----------|---------------------------------|--------------|-------|------------|
| NMOTC   | 64554     | NMO/AQP4 FACS Titer, CSF        | Alphanumeric | titer | In Process |
| AN1BC   | 607261    | ANNA-1 Immunoblot, CSF          | Alphanumeric |       | 94390-2    |
| AN2BC   | 607263    | ANNA-2 Immunoblot, CSF          | Alphanumeric |       | 94388-6    |
| DPPCC   | 64934     | DPPX Ab CBA, CSF                | Alphanumeric |       | 94283-9    |
| DPPTC   | 64991     | DPPX Ab IFA Titer, CSF          | Alphanumeric | titer | 94284-7    |
| GABIC   | 61525     | GABA-B-R Ab IF Titer Assay, CSF | Alphanumeric | titer | 93425-7    |
| GFACC   | 605154    | GFAP CBA, CSF                   | Alphanumeric |       | 93422-4    |
| GFATC   | 605134    | GFAP IFA Titer, CSF             | Alphanumeric | titer | 93421-6    |
| GL1CC   | 64931     | mGluR1 Ab CBA, CSF              | Alphanumeric |       | 93500-7    |
| GL1TC   | 64989     | mGluR1 Ab IFA Titer, CSF        | Alphanumeric | titer | 93501-5    |
| NMDIC   | 61523     | NMDA-R Ab IF Titer Assay, CSF   | Alphanumeric | titer | In Process |
| PCTBC   | 607267    | PCA-Tr Immunoblot, CSF          | Alphanumeric |       | 94386-0    |



| Test ID | Result ID | Reporting Name               | Type         | Unit  | LOINC®   |
|---------|-----------|------------------------------|--------------|-------|----------|
| AN1TC   | 43440     | ANNA-1 Titer, CSF            | Alphanumeric | titer | 94356-3  |
| NCDCC   | 615864    | Neurochondrin CBA, CSF       | Alphanumeric |       | 101449-7 |
| NCDTC   | 616112    | Neurochondrin IFA Titer, CSF | Alphanumeric | titer | 101453-9 |
| PCTTC   | 43448     | PCA-Tr Titer, CSF            | Alphanumeric | titer | 94362-1  |

**Reference Values:**

| Test ID | Reporting name                       | Methodology            | Reference value                                       |
|---------|--------------------------------------|------------------------|-------------------------------------------------------|
| PCCI    | Peds Autoimmune CNS Interp, CSF      | Medical interpretation | NA                                                    |
| ANN1C   | Anti-Neuronal Nuclear Ab, Type 1     | IFA                    | Negative                                              |
| CS2CC   | CASPR2-IgG CBA, CSF                  | CBA                    | Negative                                              |
| DPPIC   | DPPX Ab IFA, CSF                     | IFA                    | Negative                                              |
| GABCC   | GABA-B-R Ab CBA, CSF                 | CBA                    | Negative                                              |
| GD65C   | GAD65 Ab Assay, CSF                  | RIA                    | < or =0.02 nmol/L Reference values apply to all ages. |
| GFAIC   | GFAP IFA, CSF                        | IFA                    | Negative                                              |
| GL1IC   | mGluR1 Ab IFA, CSF                   | IFA                    | Negative                                              |
| LG1CC   | LGI1-IgG CBA, CSF                    | CBA                    | Negative                                              |
| NCDIC   | Neurochondrin IFA, CSF               | IFA                    | Negative                                              |
| NMDCC   | NMDA-R Ab CBA, CSF                   | CBA                    | Negative                                              |
| NMOFC   | NMO/AQP4 FACS, CSF                   | FACS                   | Negative                                              |
| PCTRC   | Purkinje Cell Cytoplasmic Ab Type Tr | IFA                    | Negative                                              |

**Reflex Information:**

| Test ID | Reporting name                  | Methodology | Reference value |
|---------|---------------------------------|-------------|-----------------|
| AN1BC   | ANNA-1 Immunoblot, CSF          | IB          | Negative        |
| AN1TC   | ANNA-1 Titer, CSF               | IFA         | <1:2            |
| AN2BC   | ANNA-2 Immunoblot, CSF          | IB          | Negative        |
| DPPCC   | DPPX Ab CBA, CSF                | CBA         | Negative        |
| DPPTC   | DPPX Ab IFA Titer, CSF          | IFA         | <1:2            |
| GABIC   | GABA-B-R Ab IF Titer Assay, CSF | IFA         | <1:2            |



|       |                               |      |          |
|-------|-------------------------------|------|----------|
| GFACC | GFAP CBA, CSF                 | CBA  | Negative |
| GFATC | GFAP IFA Titer, CSF           | IFA  | <1:2     |
| GL1CC | mGluR1 Ab CBA, CSF            | CBA  | Negative |
| GL1TC | mGluR1 Ab IFA Titer, CSF      | IFA  | <1:2     |
| NCDCC | Neurochondrin CBA, CSF        | CBA  | Negative |
| NCDTC | Neurochondrin IFA Titer, CSF  | IFA  | <1:2     |
| NMDIC | NMDA-R Ab IF Titer Assay, CSF | IFA  | <1:2     |
| NMOTC | NMO/AQP4 FACS Titer, CSF      | FACS | <1:2     |
| PCTTC | PCA-Tr Titer, CSF             | IFA  | <1:2     |
| PCTBC | PCA-Tr Immunoblot, CSF        | IB   | Negative |

\*Methodology abbreviations:

Immunofluorescence assay (IFA)

Cell-binding assay (CBA)

Fluorescence activated cell sorting assay (FACS)

Radioimmunoassay (RIA)

Immunoblot (IB)

\*Neuron-restricted patterns of IgG staining that do not fulfill criteria for ANNA-1 or PCA-Tr may be reported as "unclassified antineuronal IgG." Complex patterns that include nonneuronal elements may be reported as "uninterpretable."