
Reporting Title: Movement, 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 prior to 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 5 mL Aliquot Tube (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:

3 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®
601998	Movement Disorder Interp, S	Alphanumeric		69048-7
618903	IFA Notes	Alphanumeric		48767-8
61518	AMPA-R Ab CBA, S	Alphanumeric		93489-3
81722	Amphiphsyn Ab, S	Alphanumeric		72327-0
89080	AGNA-1, S	Alphanumeric		84927-3
80150	ANNA-1, S	Alphanumeric		33615-6
80776	ANNA-2, S	Alphanumeric		43187-4
83137	ANNA-3, S	Alphanumeric		43102-3
615863	AP3B2 IFA, S	Alphanumeric		101907-4
64281	CASPR2-IgG CBA, S	Alphanumeric		94285-4
83107	CRMP-5-IgG Western Blot, S Also used by tests: CRMWS	Alphanumeric		47401-5
64930	DPPX Ab IFA, S	Alphanumeric		82976-2
61519	GABA-B-R Ab CBA, S	Alphanumeric		93428-1
81596	GAD65 Ab Assay, S Also used by tests: GD65S	Numeric	nmol/L	30347-9
605155	GFAP IFA, S	Alphanumeric		94346-4
606958	GRAF1 IFA, S	Alphanumeric		96471-8
606946	IgLON5 IFA, S	Alphanumeric		96476-7
606952	ITPR1 IFA, S	Alphanumeric		96464-3
610581	KLHL11 Ab CBA, S Also used by tests: K11CS	Alphanumeric		99072-1
64279	LGI1-IgG CBA, S	Alphanumeric		94287-0

Result ID	Reporting Name	Type	Unit	LOINC®
64928	mGluR1 Ab IFA, S	Alphanumeric		94347-2
615867	Neurochondrin IFA, S	Alphanumeric		101452-1
606964	NIF IFA, S	Alphanumeric		96486-6
61516	NMDA-R Ab CBA, S	Alphanumeric		93503-1
81185	P/Q-Type Calcium Channel Ab	Numeric	nmol/L	94349-8
9477	PCA-1, S	Alphanumeric		84924-0
83138	PCA-2, S	Alphanumeric		84925-7
83076	PCA-Tr, S	Alphanumeric		84926-5
615871	Septin-5 IFA, S	Alphanumeric		101460-4
615875	Septin-7 IFA, S	Alphanumeric		101465-3

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
MDSI	Movement Disorder Interp, S			Yes	No
AMPCS	AMPA-R Ab CBA, S			Yes	No
AMPHS	Amphiphysin Ab, S			Yes	No
AGN1S	Anti-Glial Nuclear Ab, Type 1			Yes	No
ANN1S	Anti-Neuronal Nuclear Ab, Type 1			Yes	No
ANN2S	Anti-Neuronal Nuclear Ab, Type 2			Yes	No
ANN3S	Anti-Neuronal Nuclear Ab, Type 3			Yes	No
APBIS	AP3B2 IFA, S			Yes	No
CS2CS	CASPR2-IgG CBA, S			Yes	No
CRMWS	CRMP-5-IgG Western Blot, S			Yes	Yes
DPPIS	DPPX Ab IFA, S			Yes	No
GABCS	GABA-B-R Ab CBA, S			Yes	No

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
GD65S	GAD65 Ab Assay, S			Yes	Yes
GFAIS	GFAP IFA, S			Yes	No
GRFIS	GRAF1 IFA, S			Yes	No
IG5IS	IgLON5 IFA, S			Yes	No
ITPIS	ITPR1 IFA, S			Yes	No
K11CS	KLHL11 Ab CBA, S			Yes	Yes
LG1CS	LGI1-IgG CBA, S			Yes	No
GL1IS	mGluR1 Ab IFA, S			Yes	No
NCDIS	Neurochondrin IFA, S			Yes	No
NIFIS	NIF IFA, S			Yes	No
NMDCS	NMDA-R Ab CBA, S			Yes	No
CCPQ	P/Q-Type Calcium Channel Ab			Yes	No
PCABP	Purkinje Cell Cytoplasmic Ab Type 1			Yes	No
PCAB2	Purkinje Cell Cytoplasmic Ab Type 2			Yes	No
PCATR	Purkinje Cell Cytoplasmic Ab Type Tr			Yes	No
SP5IS	Septin-5 IFA, S			Yes	No
SP7IS	Septin-7 IFA, S			Yes	No

CPT Code Information:

86255 x24Â Â
 86596
 84182
 0432U
 86341
 84182 AGNBS (if appropriate)
 86256 AGNTS (if appropriate)
 86255 AINCS (if appropriate)
 84182 AMIBS (if appropriate)
 86256 AMPIS (if appropriate)
 84182 AN1BS (if appropriate)
 86256 AN1TS (if appropriate)
 84182 AN2BS (if appropriate)
 86256 AN2TS (if appropriate)
 86256 AN3TS (if appropriate)
 86255 APBCS (if appropriate)
 86256 APBTS (if appropriate)
 86256 APHTS (if appropriate)

86256 CRMTS (if appropriate)
 86255 DPPCS (if appropriate)
 86256 DPPTS (if appropriate)
 86256 GABIS (if appropriate)
 86255 GFACS (if appropriate)
 86256 GFATS (if appropriate)
 86255 GL1CS (if appropriate)
 86256 GL1TS (if appropriate)
 86255 GRFCS (if appropriate)
 86256 GRFTS (if appropriate)
 86255 IG5CS (if appropriate)
 86256 IG5TS (if appropriate)
 86255 ITPCS (if appropriate)
 86256 ITPTS (if appropriate)
 86256 K11TS (if appropriate)
 86255 NCDCS (if appropriate)
 86256 NCDTS (if appropriate)
 86255 NFHCS (if appropriate)
 86255 NFLCS (if appropriate)
 86256 NIFTS (if appropriate)
 86256 NMDIS (if appropriate)
 84182 PC1BS (if appropriate)
 86256 PC1TS (if appropriate)
 86256 PC2TS (if appropriate)
 84182 PCTBS (if appropriate)
 86256 PCTTS (if appropriate)
 86255 SP5CS (if appropriate)
 86256 SP5TS (if appropriate)
 86255 SP7CS (if appropriate)
 86256 SP7TS (if appropriate)

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
AGNBS	AGNA-1 Immunoblot, S			No	No
AINCS	Alpha Internexin CBA, S			No	No
AMPIS	AMPA-R Ab IF Titer Assay, S			No	No
AMIBS	Amphiphysin Immunoblot, S			No	No
AN1BS	ANNA-1 Immunoblot, S			No	No
AN2BS	ANNA-2 Immunoblot, S			No	No
DPPCS	DPPX Ab CBA, S			No	No

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
DPPTS	DPPX Ab IFA Titer, S			No	No
GABIS	GABA-B-R Ab IF Titer Assay, S			No	No
GRFCS	GRAF1 CBA, S			No	No
GRFTS	GRAF1 IFA Titer, S			No	No
IG5CS	IgLON5 CBA, S			No	No
IG5TS	IgLON5 IFA Titer, S			No	No
ITPCS	ITPR1 CBA, S			No	No
ITPTS	ITPR1 IFA Titer, S			No	No
GL1CS	mGluR1 Ab CBA, S			No	No
GL1TS	mGluR1 Ab IFA Titer, S			No	No
NFHCS	NIF Heavy Chain CBA, S			No	No
NIFTS	NIF IFA Titer, S			No	No
NFLCS	NIF Light Chain CBA, S			No	No
NMDIS	NMDA-R Ab IF Titer Assay, S			No	No
PC1BS	PCA-1 Immunoblot, S			No	No
PCTBS	PCA-Tr Immunoblot, S			No	No
K11TS	KLHL11 Ab IFA Titer, S			No	No
AGNTS	AGNA-1 Titer, S			No	No
AN1TS	ANNA-1 Titer, S			No	No
AN2TS	ANNA-2 Titer, S			No	No
AN3TS	ANNA-3 Titer, S			No	No
APBCS	AP3B2 CBA, S			No	No
APBTS	AP3B2 IFA Titer, S			No	No
APHTS	Amphiphysin Ab Titer, S			No	No
CRMTS	CRMP-5-IgG Titer, S			No	No
GFACS	GFAP CBA, S			No	No
GFATS	GFAP IFA Titer, S			No	No
NCDCS	Neurochondrin CBA, S			No	No
NCDTS	Neurochondrin IFA Titer, S			No	No
PC1TS	PCA-1 Titer, S			No	No

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
PC2TS	PCA-2 Titer, S			No	No
PCTTS	PCA-Tr Titer, S			No	No
SP5CS	Septin-5 CBA, S			No	No
SP5TS	Septin-5 IFA Titer, S			No	No
SP7CS	Septin-7 CBA, S			No	No
SP7TS	Septin-7 IFA Titer, S			No	No

Result Codes for Reflex Tests:

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
K11TS	610583	KLHL11 Ab IFA Titer, S	Alphanumeric	titer	99070-5
AGNBS	607270	AGNA-1 Immunoblot, S	Alphanumeric		83001-8
AINCS	606966	Alpha Internexin CBA, S	Alphanumeric		96483-3
AMPIS	61504	AMPA-R Ab IF Titer Assay, S	Alphanumeric	titer	93490-1
AMIBS	607268	Amphiphysin Immunoblot, S	Alphanumeric		94385-2
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
GABIS	61505	GABA-B-R Ab IF Titer Assay, S	Alphanumeric	titer	93427-3
GRFCS	606962	GRAF1 CBA, S	Alphanumeric		96472-6
GRFTS	606960	GRAF1 IFA Titer, S	Alphanumeric	titer	96470-0
IG5CS	606950	IgLON5 CBA, S	Alphanumeric		96478-3
IG5TS	606948	IgLON5 IFA Titer, S	Alphanumeric	titer	96477-5
ITPCS	606956	ITPR1 CBA, S	Alphanumeric		96466-8
ITPTS	606954	ITPR1 IFA Titer, S	Alphanumeric	titer	96465-0
GL1CS	64932	mGluR1 Ab CBA, S	Alphanumeric		93498-4
GL1TS	64990	mGluR1 Ab IFA Titer, S	Alphanumeric	titer	93499-2
NFHCS	606968	NIF Heavy Chain CBA, S	Alphanumeric		96484-1
NIFTS	607771	NIF IFA Titer, S	Alphanumeric	titer	96487-4

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
NFLCS	606970	NIF Light Chain CBA, S	Alphanumeric		96485-8
NMDIS	61497	NMDA-R Ab IF Titer Assay, S	Alphanumeric	titer	In Process
PC1BS	607264	PCA-1 Immunoblot, S	Alphanumeric		94271-4
PCTBS	607266	PCA-Tr Immunoblot, S	Alphanumeric		82999-4
AGNTS	43434	AGNA-1 Titer, S	Alphanumeric	titer	94341-5
AN1TS	43431	ANNA-1 Titer, S	Alphanumeric	titer	94342-3
AN2TS	43432	ANNA-2 Titer, S	Alphanumeric	titer	94343-1
AN3TS	43433	ANNA-3 Titer, S	Alphanumeric	titer	94344-9
APBCS	615861	AP3B2 CBA, S	Alphanumeric		101907-4
APBTS	616109	AP3B2 IFA Titer, S	Alphanumeric	titer	101908-2
APHTS	618165	Amphiphysin Ab Titer, S	Alphanumeric	titer	94340-7
CRMTS	43436	CRMP-5-IgG Titer, S	Alphanumeric	titer	94815-8
GFACS	605153	GFAP CBA, S	Alphanumeric		93424-0
GFATS	605133	GFAP IFA Titer, S	Alphanumeric	titer	93423-2
NCDCS	615865	Neurochondrin CBA, S	Alphanumeric		101450-5
NCDTS	616111	Neurochondrin IFA Titer, S	Alphanumeric	titer	In Process
PC1TS	43437	PCA-1 Titer, S	Alphanumeric	titer	94350-6
PC2TS	43438	PCA-2 Titer, S	Alphanumeric	titer	94351-4
PCTTS	43439	PCA-Tr Titer, S	Alphanumeric	titer	94352-2
SP5CS	615869	Septin-5 CBA, S	Alphanumeric		In Process
SP5TS	616113	Septin-5 IFA Titer, S	Alphanumeric	titer	101458-8
SP7CS	615873	Septin-7 CBA, S	Alphanumeric		In Process
SP7TS	616115	Septin-7 IFA Titer, S	Alphanumeric	titer	101456-2

Reference Values:

Test ID	Reporting Name	Methodology*	Reference Value
MDSI	Movement Disorder Interp, S	Medical interpretation	N/A
AMPCS	AMPA-R Ab CBA, S	CBA	Negative
AMPHS	Amphiphysin Ab, S	IFA	Negative

AGN1S	Anti-Glial Nuclear Ab, Type 1	IFA	Negative
ANN1S	Anti-Neuronal Nuclear Ab, Type 1	IFA	Negative
ANN2S	Anti-Neuronal Nuclear Ab, Type 2	IFA	Negative
ANN3S	Anti-Neuronal Nuclear Ab, Type 3	IFA	Negative
APBIS	AP3B2 IFA, S	IFA	Negative
CS2CS	CASPR2-IgG CBA, S	CBA	Negative
CRMWS	CRMP-5-IgG Western Blot, S	WB	Negative
DPPIS	DPPX Ab IFA, S	IFA	Negative
GABCS	GABA-B-R Ab CBA, S	CBA	Negative
GD65S	GAD65 Ab Assay, S	RIA	< or =0.02 nmol/L Reference values apply to all ages.
GFAIS	GFAP IFA, S	IFA	Negative
GRFIS	GRAF1 IFA, S	IFA	Negative
IG5IS	IgLON5 IFA, S	IFA	Negative
ITPIS	ITPR1 IFA, S	IFA	Negative
K11CS	KLHL11 Ab CBA, S	CBA	Negative
LG1CS	LGI1-IgG CBA, S	CBA	Negative
GL1IS	mGluR1 Ab IFA, S	IFA	Negative
NCDIS	Neurochondrin IFA, S	IFA	Negative
NIFIS	NIF IFA, S	IFA	Negative
NMDCS	NMDA-R Ab CBA, S	CBA	Negative
CCPQ	P/Q-Type Calcium Channel Ab	RIA	< or =0.02 nmol/L
PCABP	Purkinje Cell Cytoplasmic Ab Type 1	IFA	Negative
PCAB2	Purkinje Cell Cytoplasmic Ab Type 2	IFA	Negative
PCATR	Purkinje Cell Cytoplasmic Ab Type Tr	IFA	Negative
SP5IS	Septin-5 IFA, S	IFA	Negative
SP7IS	Septin-7 IFA, S	IFA	Negative

Reflex Information:

Test ID	Reporting Name	Methodology*	Reference Value
AGNBS	AGNA-1 Immunoblot, S	IB	Negative

AGNTS	AGNA-1 Titer, S	IFA	<1:240
AINCS	Alpha Internexin CBA, S	CBA	Negative
AMPIS	AMPA-R Ab IF Titer Assay, S	IFA	<1:240
AMIBS	Amphiphysin Immunoblot, S	IB	Negative
AN1BS	ANNA-1 Immunoblot, S	IB	Negative
AN1TS	ANNA-1 Titer, S	IFA	<1:240
AN2BS	ANNA-2 Immunoblot, S	IB	Negative
AN2TS	ANNA-2 Titer, S	IFA	<1:240
AN3TS	ANNA-3 Titer, S	IFA	<1:240
APBCS	AP3B2 CBA, S	CBA	Negative
APBTS	AP3B2 IFA Titer, S	IFA	<1:240
APHTS	Amphiphysin Ab Titer, S	IFA	<1:240
CRMTS	CRMP-5-IgG Titer, S	IFA	<1:240
DPPCS	DPPX Ab CBA, S	CBA	Negative
DPPTS	DPPX Ab IFA Titer, S	IFA	<1:240
GABIS	GABA-B-R Ab IF Titer Assay, S	IFA	<1:240
GFACS	GFAP CBA, S	CBA	Negative
GFATS	GFAP IFA Titer, S	IFA	<1:240
GRFCS	GRAF1 CBA, S	CBA	Negative
GRFTS	GRAF1 IFA Titer, S	IFA	<1:240
IG5CS	IgLON5 CBA, S	CBA	Negative
IG5TS	IgLON5 IFA Titer, S	IFA	<1:240
ITPCS	ITPR1 CBA, S	CBA	Negative
ITPTS	ITPR1 IFA Titer, S	IFA	<1:240
K11TS	KLHL11 Ab IFA Titer, S	IFA	<1:240
GL1CS	mGluR1 Ab CBA, S	CBA	Negative
GL1TS	mGluR1 Ab IFA Titer, S	IFA	<1:240
NCDCS	Neurochondrin CBA, S	CBA	Negative
NCDTS	Neurochondrin IFA Titer, S	IFA	<1:240
NFHCS	NIF Heavy Chain CBA, S	CBA	Negative
NIFTS	NIF IFA Titer, S	IFA	<1:240
NFLCS	NIF Light Chain CBA, S	CBA	Negative

NMDIS	NMDA-R Ab IF Titer Assay, S	IFA	<1:240
PC1BS	PCA-1 Immunoblot, S	IB	Negative
PC1TS	PCA-1 Titer, S	IFA	<1:240
PC2TS	PCA-2 Titer, S	IFA	<1:240
PCTBS	PCA-Tr Immunoblot, S	IB	Negative
PCTTS	PCA-Tr Titer, S	IFA	<1:240
SP5CS	Septin-5 CBA, S	CBA	Negative
SP5TS	Septin-5 IFA Titer, S	IFA	<1:240
SP7CS	Septin-7 CBA, S	CBA	Negative
SP7TS	Septin-7 IFA 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, ANNA-2, ANNA-3, CRMP-5-IgG, PCA-1, PCA-2, or PCA-Tr may be reported as "unclassified anti-neuronal IgG." Complex patterns that include nonneuronal elements may be reported as "uninterpretable."