

Encephalopathy, Autoimmune/Paraneoplastic Evaluation, Serum

Test ID: ENS2

Explanation: On the effective date, the Ordering Guidance will be updated to include direction on test ordering for pediatric patients. Ordering Guidance may be useful to providers to ensure the appropriate evaluation is being ordered: [Pediatric Testing Guidance Letter](#)

There will be several additions to the Profile Information as well as additions and removals to the Reflex Tests. The testing algorithm will be updated to reflect the additions and removals noted below.

Testing to be added to Profile Information:

- NCDIS: Neurochondrin Antibody, Tissue Immunofluorescence, Serum
- SP7IS: Septin-7 Antibody, Tissue Immunofluorescence, Serum

Result field to be added to Profile Information:

- IFA Notes

Result field to be removed from Profile Information:

- Reflex Added

Testing to be added to Reflex Tests:

- AGNTS: Anti-Glial/Neuronal Nuclear Antibody-Type 1 (AGNA-1) Titer, Serum
- AN1TS: Antineuronal Nuclear Antibody-Type 1 (ANNA-1) Titer, Serum
- AN2TS: Antineuronal Nuclear Antibody Type 2 (ANNA-2) Titer, Serum
- AN3TS: Antineuronal Nuclear Antibody Type 3 (ANNA-3) Titer, Serum
- APHTS: Amphiphysin Antibody Titer Assay, Serum
- CRMTS: Collapsin Response-Mediator Protein-5 (CRMP-5) Neuronal IgG Titer, Serum
- NCDCS: Neurochondrin Antibody, Cell-Binding Assay, Serum
- NCDTS: Neurochondrin Antibody, Tissue Immunofluorescence Titer, Serum
- PC1TS: Purkinje Cell Cytoplasmic Antibody Type 1 (PCA-1) Titer, Serum
- PC2TS: Purkinje Cell Cytoplasmic Antibody Type 2 (PCA-2) Titer, Serum
- PCTTS: Purkinje Cell Cytoplasmic Antibody Type Tr (PCA-Tr) Titer, Serum
- SP7CS: Septin-7 Antibody, Cell-Binding Assay, Serum
- SP7TS: Septin-7 Antibody, Tissue Immunofluorescence Titer, Serum

Testing to be removed from Reflex Tests:

- ARBI: Acetylcholine Receptor (Muscle AChR) Binding Antibody, Serum

Please see the online setup file for the most up to date test build information.

<https://www.mayocliniclabs.com/test-notifications/index.html>

New Ordering Guidance

This testing is intended to be ordered in **adult** patients.

-If this test is ordered on a patient younger than 18 years of age, this test will be cancelled and automatically reordered by the laboratory as PCDES / Pediatric Autoimmune Encephalopathy/CNS Disorder Evaluation, Serum.

-Our pediatric autoimmune CNS disorders evaluation is part of an evolving approach to testing for autoimmune neurological disorders using phenotypic-specific evaluations that include multiple antibodies known for their disease association.

Current Profile Information

Test ID	Reporting Name
AEESI	Encephalopathy, Interpretation, S
AMPCS	AMPA-R Ab CBA, S
AMPHS	Amphiphysin Ab, S
AGN1S	Anti-Glial Nuclear Ab, Type 1
ANN1S	Anti-Neuronal Nuclear Ab, Type 1
ANN2S	Anti-Neuronal Nuclear Ab, Type 2
ANN3S	Anti-Neuronal Nuclear Ab, Type 3
CS2CS	CASPR2-IgG CBA, S
CRMS	CRMP-5-IgG, S
DPPIS	DPPX Ab IFA, S
GABCS	GABA-B-R Ab CBA, S
GD65S	GAD65 Ab Assay, S
GFAIS	GFAP IFA, S
IG5IS	IgLON5 IFA, S
LG1CS	LGI1-IgG CBA, S
GL1IS	mGluR1 Ab IFA, S
NIFIS	NIF IFA, S
NMDCS	NMDA-R Ab CBA, S
PCABP	Purkinje Cell Cytoplasmic Ab Type 1
PCAB2	Purkinje Cell Cytoplasmic Ab Type 2
PCATR	Purkinje Cell Cytoplasmic Ab Type Tr

New Profile Information

Test ID	Reporting Name
AEESI	Encephalopathy, Interpretation, S
AMPCS	AMPA-R Ab CBA, S
AMPHS	Amphiphysin Ab, S
AGN1S	Anti-Glial Nuclear Ab, Type 1
ANN1S	Anti-Neuronal Nuclear Ab, Type 1
ANN2S	Anti-Neuronal Nuclear Ab, Type 2
ANN3S	Anti-Neuronal Nuclear Ab, Type 3
CS2CS	CASPR2-IgG CBA, S
CRMS	CRMP-5-IgG, S
DPPIS	DPPX Ab IFA, S
GABCS	GABA-B-R Ab CBA, S
GD65S	GAD65 Ab Assay, S
GFAIS	GFAP IFA, S
IG5IS	IgLON5 IFA, S
LG1CS	LGI1-IgG CBA, S
GL1IS	mGluR1 Ab IFA, S
NCDIS	Neurochondrin IFA, S
NIFIS	NIF IFA, S
NMDCS	NMDA-R Ab CBA, S
PCABP	Purkinje Cell Cytoplasmic Ab Type 1
PCAB2	Purkinje Cell Cytoplasmic Ab Type 2
PCATR	Purkinje Cell Cytoplasmic Ab Type Tr
SP7IS	Septin-7 IFA, S

Current Reflex Tests	
Test ID	Reporting Name
ARBI	ACh Receptor (Muscle) Binding Ab
AGNBS	AGNA-1 Immunoblot, S
AMPIS	AMPA-R Ab IF Titer Assay, S
AINCS	Alpha Internexin CBA, S
AMIBS	Amphiphysin Immunoblot, S
AN1BS	ANNA-1 Immunoblot, S
AN2BS	ANNA-2 Immunoblot, S
CRMWS	CRMP-5-IgG Western Blot, S
DPPCS	DPPX Ab CBA, S
DPPTS	DPPX Ab IFA Titer, S
GABIS	GABA-B-R Ab IF Titer Assay, S
GFACS	GFAP CBA, S
IG5TS	IgLON5 IFA Titer, S
GL1CS	mGluR1 Ab CBA, S
GFATS	GFAP IFA Titer, S
IG5CS	IgLON5 CBA, S
GL1TS	mGluR1 Ab IFA Titer, S
NIFTS	NIF IFA Titer, S
NFHCS	NIF Heavy Chain CBA, S
NFLCS	NIF Light Chain CBA, S
NMDIS	NMDA-R Ab IF Titer Assay, S
PC1BS	PCA-1 Immunoblot, S
PCTBS	PCA-Tr Immunoblot, S

New Reflex Tests	
Test ID	Reporting Name
AGNBS	AGNA-1 Immunoblot, S
AGNTS	AGNA-1 Titer, S
AINCS	Alpha Internexin CBA, S
AMIBS	Amphiphysin Immunoblot, S
AMPIS*	AMPA-R Ab IF Titer Assay, S
AN1BS	ANNA-1 Immunoblot, S
AN1TS	ANNA-1 Titer, S
AN2BS	ANNA-2 Immunoblot, S
AN2TS	ANNA-2 Titer, S
AN3TS	ANNA-3 Titer, S
APHTS	Amphiphysin Ab Titer, S
CRMTS	CRMP-5-IgG Titer, S
CRMWS	CRMP-5-IgG Western Blot, S
DPPCS	DPPX Ab CBA, S
DPPTS	DPPX Ab IFA Titer, S
GABIS*	GABA-B-R Ab IF Titer Assay, S
GFACS	GFAP CBA, S
GFATS	GFAP IFA Titer, S
GL1CS	mGluR1 Ab CBA, S
GL1TS	mGluR1 Ab IFA Titer, S
IG5CS	IgLON5 CBA, S
IG5TS	IgLON5 IFA Titer, S
NDCCS	Neurochondrin CBA, S
NCDTS	Neurochondrin IFA Titer, S
NFHCS	NIF Heavy Chain CBA, S
NFLCS	NIF Light Chain CBA, S
NIFTS	NIF IFA Titer, S
NMDIS*	NMDA-R Ab IF Titer Assay, S
PC1BS	PCA-1 Immunoblot, S
PC1TS	PCA-1 Titer, S
PC2TS	PCA-2 Titer, S
PCTBS	PCA-Tr Immunoblot, S

PCTTS	PCA-Tr Titer, S
SP7CS	Septin-7 CBA, S
SP7TS	Septin-7 IFA Titer, S

*Test reference range will change from <1:120 to <1:240

Current CPT Codes
86255 x 19
86341 x 1
83519-ARBI (if appropriate)
84182-AGNBS (if appropriate)
86255-AINCS (if appropriate)
86256-AMPIS (if appropriate)
84182-AMIBS (if appropriate)
84182-AN1BS (if appropriate)
84182-AN2BS (if appropriate)
84182-CRMWS (if appropriate)
86255-DPPCS (if appropriate)
86256-DPPTS (if appropriate)
86256-GABIS (if appropriate)
86255-GFACS (if appropriate)
86256-GFATS (if appropriate)
86255-IG5CS (if appropriate)
86256-IG5TS (if appropriate)
86255-GL1CS (if appropriate)
86256-GL1TS (if appropriate)
86255-NFHCS (if appropriate)
86256-NIFTS (if appropriate)
86255-NFLCS (if appropriate)
86256-NMDIS (if appropriate)
84182-PC1BS (if appropriate)
84182-PCTBS (if appropriate)

New CPT Codes
86255 x 21
86341 x 1
84182-AGNBS (if appropriate)
86256 AGNTS (if appropriate)
86255-AINCS (if appropriate)
86256-AMPIS (if appropriate)
86256 APHTS (if appropriate)
84182-AMIBS (if appropriate)
84182-AN1BS (if appropriate)
86256 AN1TS (if appropriate)
84182-AN2BS (if appropriate)
86256 AN2TS (if appropriate)
86256 AN3TS (if appropriate)
86256 CRMTS (if appropriate)
84182-CRMWS (if appropriate)
86255-DPPCS (if appropriate)
86256-DPPTS (if appropriate)
86256-GABIS (if appropriate)
86255-GFACS (if appropriate)
86256-GFATS (if appropriate)
86255-IG5CS (if appropriate)
86256-IG5TS (if appropriate)
86255-GL1CS (if appropriate)
86256-GL1TS (if appropriate)
86255 NCDCS (if appropriate)
86256 NCDTS (if appropriate)
86255-NFHCS (if appropriate)
86256-NIFTS (if appropriate)
86255-NFLCS (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 SP7CS (if appropriate)
86256 SP7TS (if appropriate)

Result Code Removal	
Result ID	Reporting Name
36349	ReflexAdded

Result Code Addition	
Test ID	Reporting Name
618896	IFA Notes

Questions

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