MAYO CLINIC LABORATORIES

AIAES / Autoimmune Axonal Evaluation, Serum
The following tests are always performed:

Immunofluorescence Assay (Cell-Binding: CBA)

- Contactin-associated protein-like-2 (CASPR2)-IgG
- Leucine-rich glioma inactivated protein-1 (LGI-1)-IgG

Immunofluorescence Assay (IFA)

- Antineuronal nuclear antibody-type1 (ANNA1)
- Antineuronal nuclear antibody-type3 (ANNA3)
- Amphiphysin Antibody
- Purkinje cell cytoplasmic antibody-type 1 (PCA-1)
- Purkinje cell cytoplasmic antibody-type 2 (PCA-2)
- Anti-glial/neuronal nuclear antibody-type 1 (AGNA-1)
- Collapsin response-mediator protein-5 (CRMP-5-IgG)

Western Blot

- Collapsin response-mediator protein-5-IgG (CRMP-5-IgG)

If IFA is indeterminate for ANNA-1
- ANNA-1 immunoblot
- ANNA-2 immunoblot

If IFA pattern suggests ANNA-2
- ANNA-2 IFA
- ANNA-1 immunoblot
- ANNA-2 immunoblot

If IFA pattern suggests glutamic acid decarboxylase (GAD65) antibody
- GAD65 antibody RIA

If IFA pattern suggests amphiphysin antibody
- Amphiphysin antibody immunoblot

If IFA pattern suggests PCA-1
- PCA-1 immunoblot

If IFA pattern suggests AGN1S
- AGNA immunoblot

If IFA pattern suggests PCA-Tr
- PCA-Tr IFA
- PCA-Tr immunoblot

If IFA pattern suggests AMPA-receptor antibody
- AMPA-receptor antibody CBA
- AMPA-receptor antibody immunofluorescence (IF) titer assay

If IFA pattern suggests NMDA-receptor antibody
- NMDA-receptor antibody CBA
- NMDA-receptor antibody IF titer assay

If IFA pattern suggests GABA-B-receptor antibody
- GABA-B-receptor antibody CBA
- GABA-B-receptor antibody IF titer assay

If IFA pattern suggests DPPX antibody
- DPPX antibody CBA
- DPPX antibody IF titer assay

If IFA pattern suggests mGluR1 antibody
- mGluR1 antibody CBA
- mGluR1 antibody IF titer assay

If IFA pattern suggests GFAP antibody
- GFAP antibody CBA
- GFAP antibody IF titer assay

Clickable PDF
Click on blue tests to view test catalog information

05/2021