

Update Notes

Please see attached document at end of the update for replacement test suggestions from Mayo.

Mayo has notified us of their discontinuation of general paraneoplastic panels for serum and CSF samples, with Warde test names PNPAB: Paraneoplastic autoantibody evaluation, serum/(Mayo code PAVAL) and Warde PNCSF: Paraneoplastic evaluation, CSF (Mayo code PAC1). These assays will no longer be available effective date June 1, 2026. Suggested replacement assays are Mayo code ENS2 (offered through Warde as ENCS “(Encephalopathy, Autoimmune/Paraneoplastic Evaluation, Serum) or AIAES (offered through Warde as test code ANAPS 3800497, which was included on the May Test Update as a new test) and Mayo code ENC2 (offered through Warde as test code EAPSF 3800498, from the same May Test Update). Another related Mayo test available through Warde is Warde code EPCSF “Epilepsy, Autoimmune/Paraneoplastic Evaluation, spinal fluid”, corresponding to Mayo test EPC2. Please see the attached document from Mayo labs for additional information. Other related testing for encephalopathy, demyelinating disease, dysautonomia, peripheral neuropathy, and neuromuscular abnormality is available through Warde as miscellaneous testing (please specify which Mayo test code is desired). Mayo is moving to phenotype-based panel selection (rather than general panels for suspected paraneoplasia with neurologic presentation), and decision support tools are available at their website.

Update Summary

Inactivate Test Without Replacement	6/1/2026	PNCSF - "Paraneoplastic Ab Eval-CSF"
Inactivate Test Without Replacement	6/1/2026	PNPAB - "Paraneoplastic Ab Eval, Serum"

Inactivate Test Without Replacement

Effective Date	6/1/2026
Name	Paraneoplastic Ab Eval-CSF
Code	PNCSF
Legacy Code	PNPABCSF
Interface Code	3515080
Notes	Test discontinued. Please see attached document for possible replacements.

Inactivate Test Without Replacement

Effective Date	6/1/2026
Name	Paraneoplastic Ab Eval, Serum
Code	PNPAB
Legacy Code	PNPABMA
Interface Code	3512040
Notes	Test discontinued. Please see attached document for possible replacements.

Mayo Clinic Laboratories to Update Test Panels in Autoimmune and Paraneoplastic Neurology

Summary: Choose Warde tests ANAPS or ENCS instead of PNPAB (which will be discontinued by Mayo), or use the following resource to select a panel specific to patient presentation:

[Antibody Prevalence in Epilepsy and Encephalopathy \(APE2\) score - Insights](#)

For CSF, use Warde test EAPSF instead of PNCSF (which will be discontinued by Mayo).

Detailed explanation: Autoimmune markers for neurologic evaluation, including markers for paraneoplastic etiology, are sent from Warde to Mayo Clinic Laboratories for testing. Mayo is shifting away from the PAVAL reflexive panel (Warde code PNPAB), towards panels directed towards presenting clinical signs and symptoms. Mayo makes no specific recommendation regarding a one-to-one replacement for PAVAL.

Serum panels are tailored to focused entities (see examples below in bold), and the resource link provided above guides users through questions that clarify which panel may be best.

There is a comprehensive panel containing nearly all antibodies that were included in PAVAL: this is called ENS2 at Mayo and has Warde code ENCS (Encephalopathy, Autoimmune/Paraneoplastic Evaluation, Serum). The cost to patient/payor, for Mayo ENS2 (Warde ENCS) is about double the cost of Mayo PAVAL (Warde PNPAB). Mayo's laboratory neurology team recommends consideration of the Mayo test AIAES instead of PAVAL, as it contains most of the antibodies and leaves out ones that are no longer in favor due to non-specificity (considered more indicative of general inflammation than paraneoplastic autoimmunity). The test name is Axonal Neuropathy, Autoimmune/Paraneoplastic Evaluation, Serum. The cost for AIAES is similar to PAVAL, and the Warde code is ANAPS.

Mayo provides a number of resources for providers to use when selecting a neurologic autoimmune panel, including this hub:

[Autoimmune Neurology Testing - Mayo Clinic Laboratories](#)

All of the variations are available through Warde through miscellaneous ordering (WMISC). However, Warde only codes those in high-volume use, because the presence of so many options on the Warde compendium leads to significant confusion among users (due to too many overlapping panels). We monitor WMISC usage and will code additional Mayo neurology options that are selected most frequently.

This also applies to the CSF version of the panels. PNCSF, which maps to Mayo code PAC1, is slated for discontinuation, and no one-to-one replacement will be provided. We have coded Mayo ENC2 as Warde EAPSF, as this panel already shows use from Warde clients. Additional CSF panels at Mayo are targeted at presentation (e.g. **encephalopathy, dementia, epilepsy, movement disorders, pediatrics, demyelination, autonomic dysfunction, peripheral neuropathy, and more**), and these can be ordered as WMISC with Mayo panel specified in comments.