



## Laboratory Testing for Neurodegenerative Diseases

ARUP Laboratories prioritizes innovation in laboratory testing for conditions associated with dementia, including Alzheimer's disease and other neurodegenerative conditions. Our broad test menu offers everything you need to evaluate cognitive impairment.



## Featured Test

### Phospho-Tau 217, Plasma (3019017)

- Among all standalone blood-based biomarkers for Alzheimer's disease, phosphorylated tau 217 (pTau 217) demonstrates the highest accuracy in predicting amyloid positron emission tomography (PET) positivity.<sup>1</sup>
  - ARUP's pTau 217 test aligns with guidance from the Alzheimer's Association for blood-based biomarkers and is appropriate for confirmatory use in individuals with cognitive decline, demonstrating  $\geq 90\%$  sensitivity and specificity with an indeterminate rate of  $\leq 20\%$ .
  - This test uses advanced antibody technology, including an antibody specific to brain-derived tau, enabling robust diagnostic accuracy without the need for supplemental biomarkers or ratio calculations.
1. Willis DR, Summanwar D, Brosch JR. Blood biomarkers and early detection of Alzheimer's disease and related dementias. *Fam Pract Manag.* 2025;32(3):17-20.



For Alzheimer's disease testing, ARUP also offers FDA-approved biomarkers in cerebrospinal fluid (CSF) and *APOE* genetic testing.

- Alzheimer's Disease Markers, CSF ([3017653](#))
- Apolipoprotein E (*APOE*) Genotyping, Alzheimer Disease ([2013341](#))

### Autoimmune Neurologic Diseases

ARUP's autoimmune encephalopathy/dementia panels may be used to evaluate new acute- to subacute-onset encephalopathy, dementia, or cognitive impairment.

- Autoimmune Encephalopathy/Dementia Panel, Serum ([3006201](#))
- Autoimmune Encephalopathy/Dementia Panel, CSF ([3006202](#))

[aruplab.com/Dementia-Tests](https://aruplab.com/Dementia-Tests)



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