Establish the likelihood of amyloid pathology consistent with Alzheimer's disease

LifeLabs® ABeta 42/40 and p-tau217 Evaluation assesses beta-amyloid (Aβ) and phosphorylated tau (p-tau) to establish the likelihood of amyloid pathology consistent with Alzheimer's disease.

Evaluated at 91% sensitivity and 91% specificity to meet acceptable performance of blood biomarker tests[1,2]

Insights can help patients **avoid invasive and less accessible testing** such as PET scans

The **AD-Detect Likelihood Score** is a composite interpretation created through a proprietary algorithm clinically validated utilizing a real-world cohort[a,3]

[a] A well-characterized cohort from a National Institutes of Health (NIH) Alzheimer's Disease Research Center (ARDC).

The AD-Detect Likelihood Score

This panel combines Aβ42/40 and p-tau217 values into a single analytical interpretation, which has been shown to significantly improve predictive performance and accuracy for detecting amyloid positivity corresponding to the findings of an amyloid PET scan and establishing a diagnosis of Alzheimer's disease.

These determinations are intended to be used in combination with a full clinical evaluation, inclusive of the patient's clinical history and presentation, to completely assess the presence of Alzheimer's disease.

Likelihood Score values

Low likelihood: < 0.3254

Indeterminate: 0.3254 – 0.6460

High likelihood: > 0.6460

Test code (ON)	Test name	Specimen Requirements	Turnaround time
5089	LifeLabs® ABeta 42/40 and p-tau217 Evaluation[b]	Preferred: 2 mL (1.1 mL minimum) plasma collected in K2 EDTA lavender-top tube split into 2 equal aliquots	10 days

[b] Panel components can be ordered separately.

Visit **LifeLabs.com/alzheimers-disease** to learn more about our portfolio or **click here** to download requisition.

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References
1. Weber D, Stroh M, et al. Development and clinical validation of a blood-based multibiomarker algorithm for the evaluation of brain amyloid pathology. 2025, Peer-reviewed publication pending. 2. Schindler SE, Galasko D, Pereira AC, et al. Acceptable performance of blood biomarker tests of amyloid pathology — Recommendations from the Global CEO Initiative on Alzheimer's disease. Nat Rev Neurol. 2024;20(7):426-439. doi:10.1038/s41582-024-00977-5 3. Data on file. Quest Diagnostics. AD-Detect Likelihood Score Validation, 2024.

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V1.1 June 2025 |