## Labcorp Oklahoma, Inc. Test Directory

## **APOE Alzheimer's Disease Risk**

Order Name: APOE Alzheimer DR Test Number: 5197135 Revision Date: 04/17/2025

TEST NAME		METHO	DDOLOGY	LOINC CODE	
APOE Alzheimer's Disease Risk		Illumin	a SNP Array	See Below	
SPECIMEN REQUIREMENTS					
Specimen	Specimen Volume (min)	Specimen Type	Specimen Container	Transport Environment	
Preferred	1 Tube	Whole Blood	EDTA (Lavender Top)	Refrigerated	
Alternate 1	1 Tube	EDTA Whole Blood	ACD Solution A or B (Yellow Top)	Refrigerated	
Alternate 2	1 Tube	Whole Blood	Sodium Heparin (Green Top / No- Gel)	Refrigerated	
Instructions	Collection: Invert tube immediated Stability Requirements: Room te	Refrigerated for optimal stability) tube (preferred), yellow-top (ACD) tube or green-top (heparin) tube. Ily eight to 10 times once tube is filled at time of collection. emperature 3 days for whole blood; Refrigerated 60 days; Frozen n/a cimen container; mislabeled specimen			

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GENERAL INFORMATION					
Expected TAT	5 - 7 days				
Clinical Use	<ul> <li>Alzheimer's disease is a progressive neurodegenerative disorder that affects more than 6.7 million Americans ages 65 and older and is the most common form of dementia in the elderly. Signs and symptoms may include cognitive decline, memory loss, loss of problem-solving skills and personality changes. Clinical symptoms appear after 60-65 years in 95% of cases. The development of late-onset disease may be influenced by age, sex, family history, level of education, history of head trauma and other factors including cardiovascular risk factors. Approximately 15-20% of late-onset disease may be familial. The APOE gene is a known susceptibility gene for Alzheimer's disease. The APOE gene encodes apolipoprotein E, which has a role in lipid metabolism. APOE has three common alleles: E2, E3 and E4. The presence of the E4 allele increases the lifetime risk of Alzheimer's disease but is neither necessary nor sufficient for the development of Alzheimer's disease. APOE E2 may have some protective effect against development of late-onset disease.2</li> <li>1. Goldman JS, Hahn SE, Catania JW, et al. Genetic counseling and testing for Alzheimer disease: joint practice guidelines of the American College of Medical Genetics and the National Society of Genetic Counselors. Genet Med. 2011 Jun;13(6):597-605.21577118 2. Murrell JR, Price BM, Baiyewu O, et al. The fourth apolipoprotein E haplotype found in the Yoruba of Ibadan. Am J Med Genet B Neuropsychiatr Genet. 2006 Jun 5;141B(4):426-427.16583434</li> </ul>				
Performing Labcorp Test Code	125536				
Notes	RESULT CODES	RESULT NAME	LOINC		
	5197136	APOE Genotyping Result:	21619-2		
	5197137	APOE Additional Comments	77202-0		
	5197138	APOE Limitations	n/a		
	5197139	APOE Methodology	49549-9		
	5197140	APOE Background Information	62364-5		
	5197141	APOE References	75608-0		
	5197142	APOE Result release:	18771-6		
CPT Code(s)	81401				
Lab Section	Reference Lab				