

Date Collected: 06/10/2025

Date Received: 06/12/2025

Date Reported: 06/17/2025

Fasting: Yes

Ordered Items: **NMR LipoProfile+Lipids; CBC With Differential/Platelet; Comp. Metabolic Panel (14); p-tau217; Beta Amyloid 42/40 Ratio; C-Reactive Protein, Cardiac; Cortisol; DHEA-Sulfate; Folate (Folic Acid), Serum; Hemoglobin A1c; Homocyst(e)ine; IGF-1; Thyroxine (T4) Free, Direct; TSH; Vitamin D, 25-Hydroxy; Uric Acid; Apolipoprotein B; Insulin; Vitamin B12**

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NMR LipoProfile+Lipids

Test	Current Result and Flag		Previous Result and Date		Units	Reference Interval
LDL Particle Number ⁰¹						
▲ LDL-P ^{A, 01}	1258	High	961	02/27/2025	nmol/L	<1000
Low < 1000						
Moderate 1000 - 1299						
Borderline-High 1300 - 1599						
High 1600 - 2000						
Very High > 2000						
Lipids ⁰¹						
▲ LDL-C (NIH Calc) ⁰¹	113	High	111	02/27/2025	mg/dL	0-99
Optimal < 100						
Above optimal 100 - 129						
Borderline 130 - 159						
High 160 - 189						
Very high > 189						
HDL-C ^{A, 01}	69		56	02/27/2025	mg/dL	>39
Triglycerides ^{A, 01}	40		69	02/27/2025	mg/dL	0-149
Cholesterol, Total ^{A, 01}	190		180	02/27/2025	mg/dL	100-199
LDL and HDL Particles ⁰¹						
HDL-P (Total) ^{A, 01}	31.2		26.3	02/27/2025	umol/L	>=30.5
Small LDL-P ^{A, 01}	424		249	02/27/2025	nmol/L	<=527
LDL Size ^{A, 01}	20.9		21.6	02/27/2025	nm	>20.5

** INTERPRETATIVE INFORMATION**						
PARTICLE CONCENTRATION AND SIZE						
<--Lower CVD Risk Higher CVD Risk-->						
LDL AND HDL PARTICLES Percentile in Reference Population						
HDL-P (total) High 75th 50th 25th Low						
>34.9 34.9 30.5 26.7 <26.7						
Small LDL-P Low 25th 50th 75th High						
<117 117 527 839 >839						
LDL Size <-Large (Pattern A)-> <-Small (Pattern B)->						
23.0 20.6 20.5 19.0						

Comment: ⁰¹	Small LDL-P and LDL Size are associated with CVD risk, but not after LDL-P is taken into account.					
Insulin Resistance Score ⁰¹						
LP-IR Score ^{A, 01}	<25		<25	02/27/2025		<=45
INSULIN RESISTANCE MARKER						
<--Insulin Sensitive Insulin Resistant-->						
Percentile in Reference Population						
Insulin Resistance Score						

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NMR LipoProfile+Lipids (Cont.)

	LP-IR Score	Low	25th	50th	75th	High
		<27	27	45	63	>63
Comment: ⁰¹	LP-IR Score is inaccurate if patient is non-fasting. The LP-IR score is a laboratory developed index that has been associated with insulin resistance and diabetes risk and should be used as one component of a physician's clinical assessment.					

CBC With Differential/Platelet

Test	Current Result and Flag		Previous Result and Date		Units	Reference Interval
WBC ⁰²	6.2		7.0	10/24/2024	x10E3/uL	3.4-10.8
▲ RBC ⁰²	5.62	High	4.96	10/24/2024	x10E6/uL	3.77-5.28
Hemoglobin ⁰²	14.4		12.9	10/24/2024	g/dL	11.1-15.9
▲ Hematocrit ⁰²	47.9	High	43.0	02/27/2025	%	34.0-46.6
MCV ⁰²	85		85	10/24/2024	fL	79-97
▼ MCH ⁰²	25.6	Low	26.0	10/24/2024	pg	26.6-33.0
▼ MCHC ⁰²	30.1	Low	30.6	10/24/2024	g/dL	31.5-35.7
RDW ⁰²	12.6		13.1	10/24/2024	%	11.7-15.4
Platelets ⁰²	301		254	10/24/2024	x10E3/uL	150-450
Neutrophils ⁰²	52		52	10/24/2024	%	Not Estab.
Lymphs ⁰²	38		35	10/24/2024	%	Not Estab.
Monocytes ⁰²	7		8	10/24/2024	%	Not Estab.
Eos ⁰²	2		4	10/24/2024	%	Not Estab.
Basos ⁰²	1		1	10/24/2024	%	Not Estab.
Neutrophils (Absolute) ⁰²	3.2		3.7	10/24/2024	x10E3/uL	1.4-7.0
Lymphs (Absolute) ⁰²	2.4		2.4	10/24/2024	x10E3/uL	0.7-3.1
Monocytes(Absolute) ⁰²	0.4		0.6	10/24/2024	x10E3/uL	0.1-0.9
Eos (Absolute) ⁰²	0.1		0.3	10/24/2024	x10E3/uL	0.0-0.4
Baso (Absolute) ⁰²	0.1		0.1	10/24/2024	x10E3/uL	0.0-0.2
Immature Granulocytes ⁰²	0		0	10/24/2024	%	Not Estab.
Immature Grans (Abs) ⁰²	0.0		0.0	10/24/2024	x10E3/uL	0.0-0.1

Comp. Metabolic Panel (14)

Test	Current Result and Flag		Previous Result and Date		Units	Reference Interval
▲ Glucose ⁰²	101	High	95	02/27/2025	mg/dL	70-99
BUN ⁰²	15		15	02/27/2025	mg/dL	6-24
Creatinine ⁰²	0.67		0.74	02/27/2025	mg/dL	0.57-1.00
eGFR	113		105	02/27/2025	mL/min/1.73	>59
BUN/Creatinine Ratio	22		20	02/27/2025		9-23
Sodium ⁰²	136		136	02/27/2025	mmol/L	134-144
Potassium ⁰²	4.3		4.9	02/27/2025	mmol/L	3.5-5.2
Chloride ⁰²	100		100	02/27/2025	mmol/L	96-106
▼ Carbon Dioxide, Total ⁰²	19	Low	24	02/27/2025	mmol/L	20-29
Calcium ⁰²	9.4		9.9	02/27/2025	mg/dL	8.7-10.2
Protein, Total ⁰²	7.2		7.4	02/27/2025	g/dL	6.0-8.5

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Comp. Metabolic Panel (14) (Cont.)

Albumin ⁰²	4.4	4.6	02/27/2025	g/dL	3.9-4.9
Globulin, Total	2.8	2.8	02/27/2025	g/dL	1.5-4.5
Bilirubin, Total ⁰²	0.2	0.4	02/27/2025	mg/dL	0.0-1.2
Alkaline Phosphatase ⁰²	54	57	02/27/2025	IU/L	44-121
AST (SGOT) ⁰²	17	21	02/27/2025	IU/L	0-40
ALT (SGPT) ⁰²	14	24	02/27/2025	IU/L	0-32

p-tau217

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
p-tau217 ^{A, 03}	0.12		pg/mL	0.00-0.18
<p>Clinical cutoff value was established using samples from a patient cohort characterized with amyloid PET data. A p-tau217 value of >0.18 is a reported surrogate marker for beta amyloid pathology, and can be used to facilitate biological identification of Alzheimer's disease (1). p-tau217 has also been used in clinical trials to monitor patients on anti-amyloid therapy (2,3).</p> <p>Test performed by Fujirebio Lumipulse chemiluminescent enzyme immunoassay (CLEIA). Values obtained with different methods cannot be used interchangeably. The validated limit of quantification is 0.06 pg/mL. Assay detection limit is 0.03 pg/mL.</p>				

Footnotes ⁰³

1. Ashton, Nicholas J., et al. "Diagnostic Accuracy of a Plasma Phosphorylated Tau 217 Immunoassay for Alzheimer Disease Pathology." JAMA neurology (2024).
2. Ashton, Nicholas J., et al. "Differential roles of A42/40, p-tau231 and p-tau217 for Alzheimer's trial selection and disease monitoring." Nature medicine 28.12 (2022): 2555-2562.
3. Pontecorvo MJ, Lu M, Burnham SC, et al. "Association of Donanemab Treatment With Exploratory Plasma Biomarkers in Early Symptomatic Alzheimer Disease: A Secondary Analysis of the TRAILBLAZER-ALZ Randomized Clinical Trial". JAMA Neurol. 2022;79(12):1250-1259.

Beta Amyloid 42/40 Ratio

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Beta-amyloid 42/40 Ratio ^{B, 01}	0.118			>0.102
Beta-amyloid 42 ^{B, 01}	14.75		pg/mL	
Beta-amyloid 40 ^{B, 01}	124.48		pg/mL	
<p>Plasma beta-amyloid 1-42/1-40 ratios less than or equal to 0.102 suggest a higher probability of a patient being clinically diagnosed with Alzheimer's Disease (AD), while values above 0.102 suggest a lower probability of AD diagnosis. Precise plasma testing of Beta Amyloid 42 and Beta Amyloid 40 has demonstrated comparable effectiveness to traditional cerebrospinal fluid testing and amyloid positron emission tomography (PET) scans. When assessing the risk of AD pathology as the underlying cause for mild cognitive impairment (MCI) or dementia, it is important to consider various factors such as medical and family history, nutritional deficiency biomarkers, neuroimaging, and physical, neurological, and neuropsychological examinations.</p> <p>.....</p> <p>Methodology: Sysmex Chemiluminescence Enzyme Immunoassay (CLEIA).</p>				

Beta Amyloid 42/40 Ratio (Cont.)

Values obtained with different methods cannot be used interchangeably.

C-Reactive Protein, Cardiac

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
C-Reactive Protein, Cardiac ⁰²	0.36	0.35 10/24/2024	mg/L	0.00-3.00
Relative Risk for Future Cardiovascular Event				
Low <1.00				
Average 1.00 - 3.00				
High >3.00				

Cortisol

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Cortisol ⁰²	8.4	16.7 10/24/2024	ug/dL	6.2-19.4
Please Note: The reference interval and flagging for this test is for an AM collection. If this is a PM collection please use: Cortisol PM: 2.3-11.9				

DHEA-Sulfate

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
▲ DHEA-Sulfate ⁰²	284.0 High	305.0 10/24/2024	ug/dL	57.3-279.2

Folate (Folic Acid), Serum

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Folate (Folic Acid), Serum ⁰²	11.1	10.2 10/24/2024	ng/mL	>3.0
Note: ⁰² A serum folate concentration of less than 3.1 ng/mL is considered to represent clinical deficiency.				

Hemoglobin A1c

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Hemoglobin A1c ⁰²	5.4	5.5 02/27/2025	%	4.8-5.6
Please Note: ⁰² Prediabetes: 5.7 - 6.4 Diabetes: >6.4 Glycemic control for adults with diabetes: <7.0				

Homocyst(e)ine

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Homocyst(e)ine ⁰²	8.1	7.7 02/27/2025	umol/L	0.0-14.5

IGF-1

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
▲ Insulin-Like Growth Factor I ⁰⁴	344 High	385 10/24/2024	ng/mL	79-259

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Thyroxine (T4) Free, Direct

Test	Current Result and Flag	Previous Result and Date		Units	Reference Interval
T4,Free(Direct) ⁰²	1.28	1.19	10/24/2024	ng/dL	0.82-1.77

TSH

Test	Current Result and Flag	Previous Result and Date		Units	Reference Interval
TSH ⁰²	1.240	2.480	10/24/2024	uIU/mL	0.450-4.500

Vitamin D, 25-Hydroxy

Test	Current Result and Flag	Previous Result and Date		Units	Reference Interval
Vitamin D, 25-Hydroxy ⁰²	69.3	50.6	10/24/2024	ng/mL	30.0-100.0
Vitamin D deficiency has been defined by the Institute of Medicine and an Endocrine Society practice guideline as a level of serum 25-OH vitamin D less than 20 ng/mL (1,2). The Endocrine Society went on to further define vitamin D insufficiency as a level between 21 and 29 ng/mL (2).					
1. IOM (Institute of Medicine). 2010. Dietary reference intakes for calcium and D. Washington DC: The National Academies Press.					
2. Holick MF, Binkley NC, Bischoff-Ferrari HA, et al. Evaluation, treatment, and prevention of vitamin D deficiency: an Endocrine Society clinical practice guideline. JCEM. 2011 Jul; 96(7):1911-30.					

Uric Acid

Test	Current Result and Flag	Previous Result and Date		Units	Reference Interval
Uric Acid ⁰²	3.3	3.6	10/24/2024	mg/dL	2.6-6.2
Therapeutic target for gout patients: <6.0					

Apolipoprotein B

Test	Current Result and Flag	Previous Result and Date		Units	Reference Interval
Apolipoprotein B ⁰²	77	92	02/27/2025	mg/dL	<90
Desirable < 90					
Borderline High 90 - 99					
High 100 - 130					
Very High >130					

ASCVD RISK CATEGORY		THERAPEUTIC TARGET APO B (mg/dL)			
Very High Risk		<80 (if extreme risk <70)			
High Risk		<90			
Moderate Risk		<90			

Insulin

Test	Current Result and Flag	Previous Result and Date		Units	Reference Interval
Insulin ⁰²	10.1	13.5	02/27/2025	uIU/mL	2.6-24.9

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Vitamin B12

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Vitamin B12 ⁰²	1082	>2000 02/27/2025	pg/mL	232-1245

Disclaimer
The Previous Result is listed for the most recent test performed by Labcorp in the past 5 years where there is sufficient patient demographic data to match the result to the patient. Results from certain tests are excluded from the Previous Result display.

Icon Legend
▲ Out of Reference Range ■ Critical or Alert

Comments
A: This test was developed and its performance characteristics determined by Labcorp. It has not been cleared or approved by the Food and Drug Administration.
B: This test was developed and its performance characteristics determined by Labcorp. It has not been cleared or approved by the Food and Drug Administration.

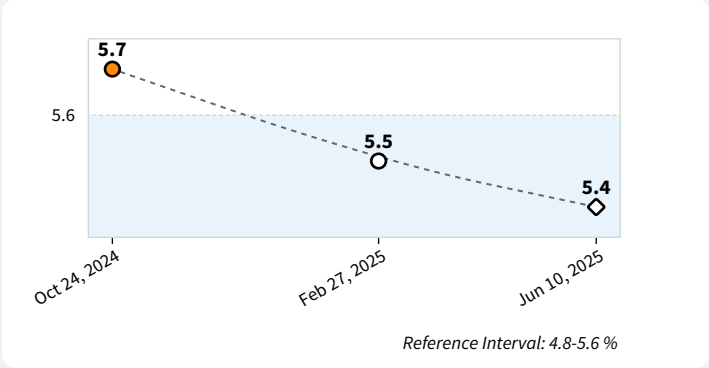
Performing Labs
01: BN - Labcorp Burlington, 1447 York Court, Burlington, NC 27215-3361 Dir: Sanjai Nagendra, MD
02: SO - Labcorp San Diego, 13112 Evening Creek Dr So Ste 200, San Diego, CA 92128-4108 Dir: Earle Collum, Jr, MD
03: L9 - Monogram Biosciences Inc, 345 Oyster Point Blvd, S San Francisco, CA 94080-1913 Dir: Weidong Huang, MD
04: CETWE - Labcorp Phoenix, 5005 S 40th Street Ste 1200, Phoenix, AZ 85040-2969 Dir: Earle Collum, MD
For inquiries, the physician may contact Branch: 859-277-5341 Lab: 858-668-3700

Patient Details Vora, Akriti Phone: 415-806-7996 Date of Birth: 09/08/1984 Age: 40 Sex: Female Patient ID: 10822 Alternate Patient ID: 10822	Physician Details J FOUCHER Wild Health 535 Wellington Way, Suite 330, Lexington, KY, 40503 Phone: 859-439-0400 Account Number: 16015670 Physician ID: NPI: 1912433756	Specimen Details Specimen ID: 163-307-0402-0 Control ID: 55853353 Alternate Control Number: 55853353 Date Collected: 06/10/2025 1443 Local Date Received: 06/12/2025 0000 ET Date Entered: 06/12/2025 0807 ET Date Reported: 06/17/2025 0306 ET
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HbA1c

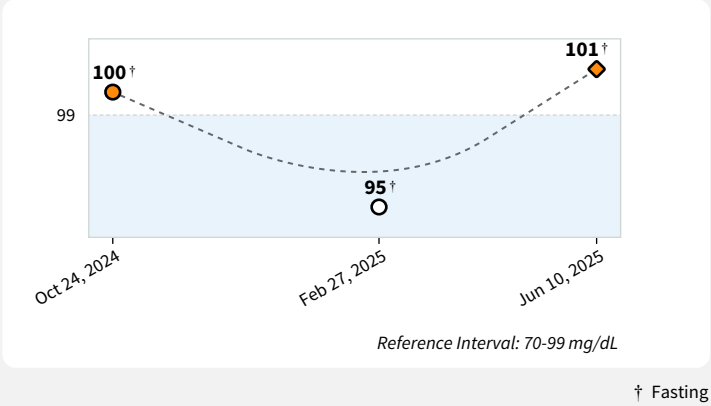
◇ Current Result: 5.4 %



Glucose

◇ Current Result: 101 mg/dL

HIGH



Cardiovascular Tests

Date	Total Chol.	TG	HDL-C	LDL-C	LDL-P
06/10/2025†	190	40	69	113	1258
02/27/2025†	180	69	56	111	961
10/24/2024†	183	63	49	122	1357
Ref. Interval	100-199	0-149	>39	0-99	<1000
Units	mg/dL	mg/dL	mg/dL	mg/dL	nmol/L

† Fasting