Patient ID: **MH59255** Specimen ID: **078-363-3613-0** DOB: 05/26/1995

Patient Report

Account Number: **21025370** Ordering Physician: **D FINK**



Date Collected: 03/18/2024

Date Received: 03/18/2024

Age: 28

Sex: Male

Date Reported: 03/27/2024

Fasting: Yes

Ordered Items: Anemia Profile B; TSH+Free T4; Comp. Metabolic Panel (14); Urinalysis, Routine; Lipid Panel With LDL/HDL Ratio; ADMA/SDMA; Amenorrhea Profile; Testosterone, F Eqlib+T LC/MS; Apo A1 + B + Ratio; Pregnenolone, MS; Hemoglobin A1c; DHEA-Sulfate; Cortisol; Prostate-Specific Ag; IGF-1; Reverse T3, Serum; Vitamin D, 25-Hydroxy; Lipoprotein (a); C-Reactive Protein, Cardiac; TMAO (Trimethylamine N-oxide); Estradiol, Sensitive; Homocyst(e)ine; Uric Acid; GGT; Thyroglobulin Antibody; Fibrinogen Activity; Progesterone; Insulin; Thyroid Peroxidase (TPO) Ab; Triiodothyronine (T3), Free; Magnesium, RBC; Sex Horm Binding Glob, Serum; Venipuncture; Request Problem

Date Collected: 03/18/2024

Anemia Profile B

Test	Current Resul	t and Flag	Previous Result and Date	Units	Reference Interval
Iron Bind.Cap.(TIBC)	261			ug/dL	250-450
UIBC 01	170			ug/dL	111-343
Iron 01	91			ug/dL	38-169
Iron Saturation	35			%	15-55
Ferritin 01	83			ng/mL	30-400
▲ Vitamin B12 01	1480	High		pg/mL	232-1245
Folate (Folic Acid), Serum ⁰¹	12.9			ng/mL	>3.0
N 01					

Note: 01

A serum folate concentration of less than 3.1 ng/mL is considered to represent clinical deficiency.

.01				
CBC, Platelet Ct, and Diff ⁰¹				
WBC 01	4.9		x10E3/uL	3.4-10.8
RBC 01	5.78		x10E6/uL	4.14-5.80
Hemoglobin 01	17.3		g/dL	13.0-17.7
Hematocrit ⁰¹	53.4	High	%	37.5-51.0
MCV ⁰¹	92		fL	79-97
MCH ⁰¹	29.9		pg	26.6-33.0
MCHC 01	32.4		g/dL	31.5-35.7
RDW ⁰¹	12.7		%	11.6-15.4
Platelets 01	232		x10E3/uL	150-450
Neutrophils ⁰¹	50		%	Not Estab.
Lymphs 01	35		%	Not Estab.
Monocytes 01	10		%	Not Estab.
Eos 01	4		%	Not Estab.
Basos ⁰¹	1		%	Not Estab.
Neutrophils (Absolute) 01	2.4		x10E3/uL	1.4-7.0
Lymphs (Absolute) 01	1.7		x10E3/uL	0.7-3.1
Monocytes(Absolute) 01	0.5		x10E3/uL	0.1-0.9
Eos (Absolute) 01	0.2		x10E3/uL	0.0-0.4
Baso (Absolute) 01	0.1		x10E3/uL	0.0-0.2
Immature Granulocytes 01	0		%	Not Estab.
Immature Grans (Abs) 01	0.0		x10E3/uL	0.0-0.1
Reticulocyte Count 01	2.3		%	0.6-2.6

Patient ID: MH59255

Specimen ID: **078-363-3613-0**

DOB: **05/26/1995**

Age: 28 Sex: Male

Patient Report

Account Number: **21025370** Ordering Physician: **D FINK**



Date Collected: 03/18/2024

TSH+Free T4

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
TSH ⁰¹	2.120		uIU/mL	0.450-4.500
T4.Free(Direct) 01	1.16		ng/dL	0.82-1.77

Comp. Metabolic Panel (14)

Test	Current Resu	lt and Flag	Previous Result and Date	Units	Reference Interval
Glucose 01	94			mg/dL	70-99
BUN 01	15			mg/dL	6-20
Creatinine 01	1.12			mg/dL	0.76-1.27
eGFR	92			mL/min/1.73	>59
BUN/Creatinine Ratio	13				9-20
Sodium ⁰¹	142			mmol/L	134-144
Potassium ⁰¹	4.3			mmol/L	3.5-5.2
Chloride 01	103			mmol/L	96-106
Carbon Dioxide, Total ⁰¹	23			mmol/L	20-29
Calcium 01	9.0			mg/dL	8.7-10.2
Protein, Total ⁰¹	6.5			g/dL	6.0-8.5
▼ Albumin 01	4.2	Low		g/dL	4.3-5.2
Globulin, Total	2.3			g/dL	1.5-4.5
A/G Ratio	1.8				1.2-2.2
Bilirubin, Total ⁰¹	0.4			mg/dL	0.0-1.2
Alkaline Phosphatase 01	62			IU/L	44-121
AST (SGOT) 01	25			IU/L	0-40
ALT (SGPT) 01	34			IU/L	0-44

Urinalysis, Routine

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Urinalysis Gross Exam 01				
Specific Gravity ⁰¹	1.009			1.005-1.030
pH ⁰¹	7.0			5.0-7.5
Urine-Color ⁰¹	Yellow			Yellow
Appearance 01	Clear			Clear
WBC Esterase 01	Negative			Negative
Protein 01	Negative			Negative/Trace
Glucose ⁰¹	Negative			Negative
Ketones 01	Negative			Negative
Occult Blood 01	Negative			Negative
Bilirubin ⁰¹	Negative			Negative
Urobilinogen,Semi-Qn ⁰¹	0.2		mg/dL	0.2-1.0
Nitrite, Urine ⁰¹	Negative			Negative
Microscopic Examination 01		_		

 $\label{lem:microscopic} \mbox{Microscopic not indicated and not performed.}$

Patient ID: **MH59255** Specimen ID: **078-363-3613-0** DOB: **05/26/1995**Age: **28**Sex: **Male**

Patient Report

Account Number: **21025370** Ordering Physician: **D FINK**



Date Collected: 03/18/2024

Lipid Panel With LDL/HDL Ratio

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Cholesterol, Total ⁰¹	165		mg/dL	100-199
Triglycerides 01	87		mg/dL	0-149
HDL Cholesterol 01	51		mg/dL	>39
VLDL Cholesterol Cal	16		mg/dL	5-40
LDL Chol Calc (NIH)	98		mg/dL	0-99
LDL/HDL Ratio	1.9		ratio	0.0-3.6
-1				

Please Note: 01

LDL/HDL Ratio
Men Women
1/2 Avg.Risk 1.0 1.5
Avg.Risk 3.6 3.2
2X Avg.Risk 6.2 5.0
3X Avg.Risk 8.0 6.1

ADMA/SDMA

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
ADMA ⁰²	associated with kidney funct reduced eGFR. Available prosincreased risk of cardiovasc concentrations (1). Based or study using 180 'apparently CHL has defined the following of <100 ng/mL defines an 'apportimal relative risk for a ng/mL defines a population a cardiovascular event, and >1 risk population. (Reference: Assoc. 2015; 4: e001833).This analytical performance charaby Quest Diagnostics Cardiom Cleveland HeartLab. It has rethe U.S. Food and Drug Admires.	while elevated SDMA levels are tion and strongly correlate with		<100
SDMA ⁰²	Mass Spectrometry (LC/MS/MS) and its performance characte Cleveland HeartLab, Inc. It by the U.S. FDA. The Clevela Clinical Laboratory Improven qualified to perform high-co	has not been cleared or approved and HeartLab is regulated under ment Amendments (CLIA) as omplexity testing. This test is It should not be regarded as	ng/mL	73-135
PDF 02	·			

Patient ID: MH59255

Specimen ID: 078-363-3613-0

DOB: **05/26/1995**

Age: **28** Sex: Male

Patient Report

Account Number: 21025370 Ordering Physician: **D FINK**



Date Collected: 03/18/2024

Amenorrhea Profile

Test	Test Current Result and Flag		Previous Result and Date	Units	Reference Interval
▼ LH 01	0.3	Low		mIU/mL	1.7-8.6
▼ FSH ⁰¹	<0.3	Low		mIU/mL	1.5-12.4
Prolactin 01	16.9			ng/mL	3.6-31.5

Testosterone, F Eqlib+T LC/MS

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
▲ Testosterone, Total, LC/MS A, 03	This LabCorp LC/MS-MS method Hormone Standardization Pro- interval is based on a popul	d is currently certified by th gram (HoSt). Adult male refere lation of healthy nonobese mal years old. Travison, et.al. J 3324103.	nce es	264.0-916.0
Testosterone, Free	Unable to calculate result s	since non-numeric result obtai	ned for	5.00-21.00
% Free Testosterone ⁰³	•	ct sufficient specimen to perf roviding the patient with re-c		1.50-4.20

Apo A1 + B + Ratio

Test	Current Result and Flag	Previo	us Result and Date	Units	Reference Interv
Apolipoprotein A-1 04					101-178
	LabCorp was unable to	collect sufficie	nt specimen to per	form the	
	following test(s), and	is providing th	e patient with re-	collection	
	instructions.				
Apolipoprotein B 04					<90
	LabCorp was unable to	collect sufficie	nt specimen to per	form the	
	following test(s), and instructions.				
	THIST UCCIONS.		Desirable	< 90	
			Borderline High		
			High	100 - 130	
			Very High	>130	
		ASCVD RISK	THERAPE	UTIC TARGET	
		CATEGORY	AP0	B (mg/dL)	
		Very High Risk	<80 (if ext	reme risk <70)	
		High Risk	<90		
		Moderate Risk	<90		
Apolipo. B/A-1 Ratio					0.0-0.7
	Unable to calculate re component test.	sult since non-n	umeric result obta	ined for	
			Apolipoprote	in B/A-1 Ratio	
				Male Female	
			Avg.Ris	k 0.7 0.6	
			2X Avg.Ris	k 0.9 0.9	
			3X Avg.Ris	k 1.0 1.0	

labcorp

Date Created and Stored 03/27/24 0937 ET Final Report Page 4 of 9

Patient ID: MH59255

Specimen ID: 078-363-3613-0

DOB: **05/26/1995**

Age: **28** Sex: Male

Patient Report

Account Number: 21025370 Ordering Physician: **D FINK**



Date Collected: 03/18/2024

Pregr	eno	lone,	MS
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Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Pregnenolone, MS 05	43		ng/dL	
	•	its performance characteristics s not been cleared or approved tration.		

Hemoglobin A1c

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Hemoglobin A1c 01	5.0		%	4.8-5.6
Please Note: 01				
	Prediabetes: 5.7 - Diabetes: >6.4 Glycemic control fo	6.4 r adults with diabetes: <7.0		

DHEA-Sulfate

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
DHEA-Sulfate 01	320.0		ug/dL	138.5-475.2

Cortisol

Test	Current Result and Fla	g Previous Result and Date	Units	Reference Interval
Cortisol ⁰¹	12.4		ug/dL	6.2-19.4
	this	Note: The reference interval and fl test is for an AM collection. If thi ction please use: Cortisol P		

Prostate-Specific Ag

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval	
Prostate Specific Ag 01	0.5		ng/mL	0.0-4.0	
	Roche ECLIA methodology.		-		
	According to the American Urological Association, Serum PSA should				
	decrease and remain at undetectable levels after radical				
	prostatectomy. The AUA defines biochemical recurrence as an initial				
	PSA value 0.2 ng/mL or greater followed by a subsequent confirmatory				
	PSA value 0.2 ng/mL or great	er.			
	Values obtained with different assay methods or kits cannot be used				
	interchangeably. Results cannot be interpreted as absolute evidence				
	of the presence or absence o	f malignant disease.			

IGF-1

Test	Current Result and Flag		Previous Result and Date	Units	Reference Interval
▲ Insulin-Like Growth Factor I ⁰³	347	High		ng/mL	101-307

Reverse T3, Serum

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Reverse T3, Serum 05	14.5		ng/dL	

labcorp

Patient ID: MH59255

Specimen ID: 078-363-3613-0

DOB: **05/26/1995**

Age: 28 Sex: Male

Patient Report

Account Number: **21025370** Ordering Physician: **D FINK**



Date Collected: 03/18/2024

Reverse T3, Serum (Cont.)

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

Reference Range: >15y: 9.2 - 24.1

Vitamin D, 25-Hydroxy

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Vitamin D, 25-Hydroxy ⁰¹	Medicine and an Endocrine So level of serum 25-OH vitamin The Endocrine Society went of insufficiency as a level bet 1. IOM (Institute of Medicin intakes for calcium and D National Academies Press. 2. Holick MF, Binkley NC, Bi Evaluation, treatment, an	ne). 2010. Dietary reference D. Washington DC: The Lischoff-Ferrari HA, et al. and prevention of vitamin D Society clinical practice	ng/mL	30.0-100.0

Lipoprotein (a)

Test	Current Resu	ult and Flag	g I	Previous Result and Date	Units	Reference Interval
Lipoprotein (a) 03	28.2				nmol/L	<75.0
			indicate an but must be to non-Cauca	er than or equal to 75 independent risk facto evaluated with caution sian populations due to genetic factors on Lp	r for CHD, when applied o the	

C-Reactive Protein, Cardiac

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
C-Reactive Protein, Cardiac 01	0.40		mg/L	0.00-3.00
	Relative Risk for Future Cardiovascular Event			
		Low	<1.00	
		Average	1.00 - 3.00	
		High	>3.00	

TMAO (Trimethylamine N-oxide)

Test	Current Resu	ılt and Flag	Previous Result and Date	Units	Reference Interval
TMAO (Trimethylamine					
N-oxide) A, 03	6.9	High		uM	<6.2
			TMAO Medical [Decision Limits	
			Low	<6.2	
			Moderate	6.2 - 9.9	
			High	>9.9	

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Patient ID: MH59255

Specimen ID: **078-363-3613-0**

DOB: **05/26/1995**

Age: 28 Sex: Male

Patient Report

Account Number: **21025370** Ordering Physician: **D FINK**



Date Collected: 03/18/2024

Estradiol, Sensitive

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Estradiol, Sensitive A, 03				8.0-35.0
	following test(s), and is pr instructions.	t sufficient specimen to performation oviding the patient with re-organization graphy tandem mass spectromet	collection	

Homocyst(e)ine

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Homocyst(e)ine 01	5.7		umol/L	0.0-14.5

Uric Acid

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Uric Acid 01	4.8		mg/dL	3.8-8.4
	Th	nerapeutic target for gout pat	tients: <6.0	

GGT

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
GGT ⁰¹	24		IU/L	0-65

Thyroglobulin Antibody

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Thyroglobulin Antibody 01	<1.0		IU/mL	0.0-0.9
	It should be noted that the may not be pathogenic nor di levels. The assay manufactur	red by Beckman Coulter Method presence of thyroglobulin and agnostic, especially at very er has found that four percent of thyroid disease or autoing the cls up to 4 IU/mL.	tibodies low nt of	

Fibrinogen Activity

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Fibrinogen Activity 01	260		mg/dL	193-507

Progesterone

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Progesterone 01	0.3		ng/mL	0.0-0.5

Insulin

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Insulin 01	8.6		uIU/mL	2.6-24.9

Thyroid Peroxidase (TPO) Ab

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Thyroid Peroxidase (TPO) Ab 01	<9		IU/mL	0-34

labcorp

Patient ID: MH59255

Specimen ID: 078-363-3613-0

DOB: **05/26/1995**

Age: 28 Sex: Male

Patient Report

Account Number: 21025370 Ordering Physician: D FINK



Date Collected: 03/18/2024

Triiodothyronine (T3), Free

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Triiodothyronine (T3), Free ⁰¹	3.5		pg/mL	2.0-4.4
	·			

Magnesium, RBC

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Magnesium, RBC B, 03	- 5.5		mg/dL	3.7-7.0

Sex Horm Binding Glob, Serum

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Sex Horm Binding Glob,				
Serum ⁰¹	34.8		nmol/L	16.5-55.9

Request Problem

Test	Current I	Result and F	Flag Previous Result a	nd Date	Units	Reference Interv
Request Problem 01						
	•	st(s), a	o collect sufficient speci nd is providing the patier	•		
	TEST:	080770	% Free Testosterone	Panel:	070038	
		016873	Apolipoprotein A-1	Panel:	216010	
		167015	Apolipoprotein B	Panel:	216010	
		070380	Estradiol, Sensitive	Panel:	140244	

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

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: HD - LabCorp Houston, 7207 North Gessner, Houston, TX 77040-3143 Dir: Kyle Eskue, MD

02: CLHRT - Cleveland Heartlab Inc, 6701 Carnegie Avenue Ste 500, Cleveland, OH 44103-4623 Dir: Bill Richendollar, MD

03: BN - Labcorp Burlington, 1447 York Court, Burlington, NC 27215-3361 Dir: Sanjai Nagendra, MD

04: DA - Labcorp Dallas, 7777 Forest Ln Bldg C350, Dallas, TX 75230-2544 Dir: CN Etufugh, MD

05: ES - Esoterix Inc, 4301 Lost Hills Road, Calabasas Hills, CA 91301-5358 Dir: Brian Poirier, MD

For Inquiries, the physician may contact Branch: 800-762-4344 Lab: 713-856-8288

Patient ID: MH59255

Specimen ID: 078-363-3613-0

DOB: **05/26/1995**

Age: **28** Sex: Male **Patient Report**

Account Number: 21025370 Ordering Physician: **D FINK**



Patient Details Anderton, Tyler

Phone:

Date of Birth: 05/26/1995

Age: 28 Sex: Male

Patient ID: MH59255 Alternate Patient ID:

Physician Details

D FINK Marek Health

35 W Huron St Ste 1000, Pontiac, MI, 48342

Phone: **877-572-2582** Account Number: 21025370

Physician ID: NPI: 1891814521 Specimen Details

Specimen ID: 078-363-3613-0 Control ID: L2401922313

Alternate Control Number: L2401922313 Date Collected: 03/18/2024 0945 Local Date Received: 03/18/2024 0000 ET Date Entered: 03/18/2024 1321 ET Date Reported: 03/27/2024 0935 ET





Report Status: Final ANDERTON, TYLER

Patient Information	Specimen Information	Client Information
ANDERTON, TYLER DOB: 05/26/1995 AGE: 28	Order ID: 2407902198 Requisition: 2407902198	PROVIDER LABCORP 11449 LABCORP HOUSTON 7207 NORTH GESSNER DRIVE
Gender: Male Fasting: Fasting Phone: Patient ID: 2407836336130	Collected: 03/18/2024, 09:45 AM Received: 03/23/2024, 02:49 AM Reported: 03/27/2024, 00:16 AM	HOUSTON, TX 77040

Cardiometabolic Report

Test Name	Current Result & Relative Risk		Reference Range/Relative Risk Categories				Historical	
			Optimal	Moderate	High	Units	Result & Relative Risk	
	Optimal	Non-Optimal	Optimal	Wioderate	riigii			11
INFLAMMATION								
ADMA (Asymmetric dimethylarginine) ⁽¹⁾	88		<100	100-123	>123	ng/mL		
SDMA (Symmetric dimethylarginine)	78			73-135		ng/mL		

UND = UNDETECTABLE

INC = INCOMPUTABLE

Medical Information For Healthcare Providers: If you have any questions about any of the tests in our Cardiometabolic Report, please call Cleveland HeartLab Client Services at 866.358.9828, option 1 to arrange a consult with our clinical education team.

Cardiometabolic Comment Report

INFLAMMATION

ADMA (Asymmetric dimethylarginine)⁽¹⁾

Lab: Z4M

Elevated ADMA levels are associated with significant subclinical atherosclerosis while elevated SDMA levels are associated with kidney function and strongly correlate with reduced eGFR. Available prospective studies suggest an increased risk of cardiovascular disease with higher ADMA concentrations (1). Based on an internal reference range study using 180 'apparently healthy,' non-smoking donors, CHL has defined the following cut-offs for ADMA: A cut-off of <100 ng/mL defines an 'apparently healthy' population at optimal relative risk for a cardiovascular event, 100-123 ng/mL defines a population at moderate relative risk for a cardiovascular event, and >123 ng/mL defines a high relative risk population. (Reference: 1-Willeit P. et al. J Am Heart Assoc. 2015; 4: e001833).

SDMA (Symmetric dimethylarginine)

Lab: Z4M

Footnotes

(1) This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Cardiometabolic Center of Excellence at Cleveland HeartLab. It has not been cleared or approved by the U.S. Food and Drug Administration. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

PERFORMING SITE:

Z4M CLEVELAND HEARTLAB INC, 6701 CARNEGIE AVENUE SUITE 500, CLEVELAND, OH 44103-4623 Medical Director: Sami Albeiroti, PhD, D(ABCC) CLIA:36D1032987

CLIENT SERVICES: 866.358.9828, Option 1

ORDER ID: 2407902198

Medical Director: Sami Albeiroti, PhD, D(ABCC)

Cleveland HeartLab, Inc. | 6701 Carnegie Ave. Suite 500 | Cleveland, OH 44103 | p 866-358-9828 | CLIA#36D1032987 | CAP#7190119

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