

	LDL Size	<-Large (Pattern A)->		<-Small (Pattern B)->		
		23.0	20.6	20.5	19.0	

Comment: ⁰²	Small LDL-P and LDL Size are associated with CVD risk, but not after LDL-P is taken into account.					
Insulin Resistance/Diab. Risk ⁰²						
Large VLDL-P ^{A, 02}	2.2				nmol/L	<=2.7
Small LDL-P ^{A, 02}	453				nmol/L	<=527
▼ Large HDL-P ^{A, 02}	3.8	Low			umol/L	>=4.8
VLDL Size ^{A, 02}	41.3				nm	<=46.6
LDL Size ^{A, 02}	20.9				nm	>=20.8
▼ HDL Size ^{A, 02}	8.8	Low			nm	>=9.2
Insulin Resistance Score ⁰²						
▲ LP-IR Score ^{A, 02}	49	High				<=45

INSULIN RESISTANCE / DIABETES RISK MARKERS						
<--Insulin Sensitive Insulin Resistant-->						
Percentile in Reference Population						
Large VLDL-P	Low	25th	50th	75th	High	

Lab ID: 1234567890

Order ID: 1234567890

Order Date: 05/17/22

Order Time: 12:35 ET

Order Type: Routine

Order Status: Pending

Order Location: Lab

Order Refill: No

Ordering Physician: DR. FINK

Ordering Physician: DR. FINK

Ordering Physician: DR. FINK

Ordering Physician: DR. FINK

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NMR Lipoprofile+Lipids+IR+Gph (Cont.)

		<0.9	0.9	2.7	6.9	>6.9
	Small LDL-P	Low	25th	50th	75th	High
		<117	117	527	839	>839
	Large HDL-P	High	75th	50th	25th	Low
		>7.3	7.3	4.8	3.1	<3.1
	VLDL Size	Small	25th	50th	75th	Large
		<42.4	42.4	46.6	52.5	>52.5
	LDL Size	Large	75th	50th	25th	Small
		>21.2	21.2	20.8	20.4	<20.4
	HDL Size	Large	75th	50th	25th	Small
		>9.6	9.6	9.2	8.9	<8.9
	Insulin Resistance Score					
	LP-IR SCORE	Low	25th	50th	75th	High
		<27	27	45	63	>63

Comment: ⁰²	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.					
PDF ⁰²						

TSH+Free T4

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
TSH ⁰¹	2.210		uIU/mL	0.450-4.500
T4,Free(Direct) ⁰¹	1.49		ng/dL	0.82-1.77

Comp. Metabolic Panel (14)

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Glucose ⁰¹	85		mg/dL	65-99
▲ BUN ⁰¹	24	High	mg/dL	6-20
▲ Creatinine ⁰¹	1.31	High	mg/dL	0.76-1.27
eGFR	77		mL/min/1.73	>59
BUN/Creatinine Ratio	18			9-20
Sodium ⁰¹	140		mmol/L	134-144
Potassium ⁰¹	4.3		mmol/L	3.5-5.2
Chloride ⁰¹	100		mmol/L	96-106
Carbon Dioxide, Total ⁰¹	23		mmol/L	20-29
Calcium ⁰¹	9.6		mg/dL	8.7-10.2
Protein, Total ⁰¹	7.3		g/dL	6.0-8.5
Albumin ⁰¹	4.8		g/dL	4.1-5.2
Globulin, Total	2.5		g/dL	1.5-4.5
A/G Ratio	1.9			1.2-2.2
Bilirubin, Total ⁰¹	0.4		mg/dL	0.0-1.2
Alkaline Phosphatase ⁰¹	69		IU/L	44-121
AST (SGOT) ⁰¹	32		IU/L	0-40
ALT (SGPT) ⁰¹	35		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	>=1.030	Abnormal			1.005-1.030
pH ⁰¹	6.0				5.0-7.5
Urine-Color ⁰¹	Yellow				Yellow
Appearance ⁰¹	Clear				Clear
WBC Esterase ⁰¹	Negative				Negative
Protein ⁰¹	Trace				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	Microscopic not indicated and not performed.				

Amenorrhea Profile

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	19.8	High		ng/mL	4.0-15.2

Testosterone, F Eqlib+T LC/MS

Test	Current Result and Flag		Previous Result and Date	Units	Reference Interval
▲ Testosterone, Total, LC/MS ^{A, 02}	1065.3	High		ng/dL	264.0-916.0
This LabCorp LC/MS-MS method is currently certified by the CDC Hormone Standardization Program (HoSt). Adult male reference interval is based on a population of healthy nonobese males (BMI <30) between 19 and 39 years old. Travison, et.al. JCEM 2017,102;1161-1173. PMID: 28324103.					
▲ Testosterone, Free	43.46	High		ng/dL	5.00-21.00
% Free Testosterone ⁰²	4.08			%	1.50-4.20

Apo A1 + B + Ratio

Test	Current Result and Flag		Previous Result and Date	Units	Reference Interval
Apolipoprotein A-1 ⁰³	110			mg/dL	101-178
Apolipoprotein B ⁰³	81			mg/dL	<90
<div>Desirable < 90 Borderline High 90 - 99 High 100 - 130 Very High >130</div> <div>-----</div> <div>ASCVD RISK CATEGORY THERAPEUTIC TARGET APO B (mg/dL) Very High Risk <80 (if extreme risk <70) High Risk <90 Moderate Risk <90</div>					

Apo A1 + B + Ratio (Cont.)

Apolipo. B/A-1 Ratio	0.7			ratio	0.0-0.7
Apolipoprotein B/A-1 Ratio					
Male Female					
Avg.Risk 0.7 0.6					
2X Avg.Risk 0.9 0.9					
3X Avg.Risk 1.0 1.0					

Cystatin C with eGFR

Test	Current Result and Flag		Previous Result and Date	Units	Reference Interval
Cystatin C ⁰²	0.66			mg/L	0.60-1.00
eGFR	131			mL/min/1.73	>59

Pregnenolone, MS

Test	Current Result and Flag		Previous Result and Date	Units	Reference Interval
Pregnenolone, MS ⁰⁴	52			ng/dL	
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: Adults: <151					

Hemoglobin A1c

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

AFP, Serum, Tumor Marker

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
AFP, Serum, Tumor Marker ⁰¹	2.0		ng/mL	0.0-5.7
Roche Diagnostics Electrochemiluminescence Immunoassay (ECLIA) Values obtained with different assay methods or kits cannot be used interchangeably. Results cannot be interpreted as absolute evidence of the presence or absence of malignant disease. This test is not interpretable in pregnant females.				

DHEA-Sulfate

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
DHEA-Sulfate ⁰¹	358.0		ug/dL	138.5-475.2

Cortisol

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Cortisol ⁰¹	15.7		ug/dL	
		Cortisol AM	6.2 - 19.4	
		Cortisol PM	2.3 - 11.9	

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DOB: 01/03/1985


Age: 37

Gender: Male

Patient Report

Account Number: 21029370

Ordering Physician: Dr. [REDACTED]



Prostate-Specific Ag

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Prostate Specific Ag ⁰¹	1.1		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 greater. Values obtained with different assay methods or kits cannot be used interchangeably. Results cannot be interpreted as absolute evidence of the presence or absence of malignant disease.				

IGF-1

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
▲ Insulin-Like Growth Factor I ⁰²	319 High		ng/mL	101-307

Vitamin D, 25-Hydroxy

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Vitamin D, 25-Hydroxy ⁰¹	53.7		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.				

Lipoprotein (a)

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Lipoprotein (a) ⁰²	<8.4		nmol/L	<75.0
Results verified by repeat testing Note: Values greater than or equal to 75.0 nmol/L may indicate an independent risk factor for CHD, but must be evaluated with caution when applied to non-Caucasian populations due to the influence of genetic factors on Lp(a) across ethnicities.				

C-Reactive Protein, Cardiac

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
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DOB: 04/08/1995

Patient ID: MH12674

Specimen ID: 124-363-3248-0



TMAO (Trimethylamine N-oxide)

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
TMAO (Trimethylamine N-oxide) ^{A, 02}	<3.3		uM	<6.2
TMAO Medical Decision Limits				
Low			<6.2	
Moderate			6.2 - 9.9	
High			>9.9	

Estradiol, Sensitive

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Estradiol, Sensitive ⁰²	26.1		pg/mL	8.0-35.0
This test was developed and its performance characteristics determined by LabCorp. It has not been cleared by the Food and Drug Administration.				
Methodology: Liquid chromatography tandem mass spectrometry(LC/MS/MS)				

Homocyst(e)ine

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Homocyst(e)ine ⁰¹	7.2		umol/L	0.0-14.5

Uric Acid

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Uric Acid ⁰¹	5.9		mg/dL	3.8-8.4
Therapeutic target for gout patients: <6.0				

Phosphorus

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Phosphorus ⁰¹	3.6		mg/dL	2.8-4.1

GGT

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
GGT ⁰¹	10		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
Thyroglobulin Antibody measured by Beckman Coulter Methodology				

Creatine Kinase,Total

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Creatine Kinase,Total ⁰¹	296		U/L	49-439

Magnesium

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Magnesium ⁰¹	2.2		mg/dL	1.6-2.3

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Hancock, Thomas

Patient ID: MH12674
Specimen ID: 124-363-3248-0

DOB: 04/08/1995

Age: 27
Sex: Male

Patient Report

Account Number: 21025370
Ordering Physician: D FINK



Fibrinogen Activity

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Fibrinogen Activity ⁰¹	316		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	6.2		uIU/mL	2.6-24.9

Thyroid Peroxidase (TPO) Ab