

3611 14TH AVE SUITE 102 BROOKLYN, NY 11218-3750 Tel. (718)851-5773 Fax. (718)851-3919

Laboratory Director: Samar Roy, PhD



Within Range Out Of Range Ref.Range Units Previous Result (Date)





Patient: DOB. Sex: F Age: 83 Phone: **ID#:**

Accession:2301030408	Coll. Date: 01/03/23	Recv. Date: 01/03/23	Print Date: 07/04/24
Chart#	Coll. Time: 11:00	Recv. Time: 20:09	Print Time: 09:32
First reported on:	01/04/23	Final report date:	07/04/24

Clinical Report:

Test Name

Clinical Abnormalities Summary: (May not contain all abnormal results; narrative results may not have abnormal flags. Please review entire report.) GLUCOSE HIGH 74.0 - 106.0 B.U.N. 24.0 HIGH 9.00 - 23.00 mg/dL **BUN/CREATININE RATIO** 39 **RATIO** HIGH 8 - 28 ALK.PHOSPHATASE 41 U/L LOW 46.0 - 116.0 **GLYCOHEMOGLOBIN A1C** HIGH 4.00 - 5.69 6.9 % **CRP HIGH SENSITIVITY** 0.69 mg/L LOW 1.0 - 3.0 HOMOCYSTEINE 18.01 umol/L HIGH 3.70 - 13.90 >=60 HDL CHOLESTEROL 42 mg/dL LOW TRIGLYCERIDES 153 mg/dL HIGH <150 **RBC** 3.59 10^6/uL LOW 3.8 - 5.2 HGB 11.0 g/dL LOW 11.5 - 15.5 37.0 - 47.0 HCT 32.5 LOW fL MCV 90.6 HIGH 80 - 90 11.3 fL HIGH 7.4 - 10.4 **SEGMENTED** % 78.3 HIGH 40.0 - 75.0 % **FOLATE** 3.58 ng/mL LOW 5.38 - 24.00 **VITAMIN D 25-OH** 25.1 ng/mL LOW INSULIN 30.5 ulU/mL HIGH 2.6 - 24.9

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CHEMISTRY				
GLUCOSE	162 H	74.0 - 106.0	mg/dL	128 (11/06/22)
SODIUM	143	132.0 - 146.0	mmol/L	141 (11/06/22)
POTASSIUM	3.9	3.50 - 5.50	mmol/L	3.9 (11/06/22)
CHLORIDE	107	99.0 - 109.0	mmol/L	106 (11/06/22)
BICARBONATE	25	20.0 - 31.0	mEq/L	26 (11/06/22)
CREATININE	0.61	0.50 - 1.10	mg/dL	0.76 (11/06/22)

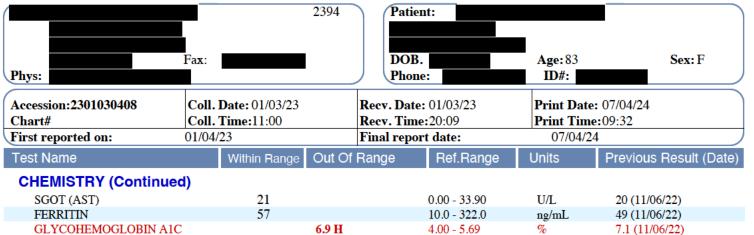
SODICINI	140	152.0 140.0	IIIIIOLL	141 (11/00/22)
POTASSIUM	3.9	3.50 - 5.50	mmol/L	3.9 (11/06/22)
CHLORIDE	107	99.0 - 109.0	mmol/L	106 (11/06/22)
BICARBONATE	25	20.0 - 31.0	mEq/L	26 (11/06/22)
CREATININE	0.61	0.50 - 1.10	mg/dL	0.76 (11/06/22)
GLOMERULAR FILTRATION	94			73 (11/06/22)*
If African-American,	result is: >60			
B.U.N.	24.0 H	9.00 - 23.00	mg/dL	16.0 (11/06/22)
BUN/CREATININE RATIO	39 H	8 - 28	RATIO	21 (11/06/22)
CALCIUM	9.2	8.70 - 10.40	mg/dL	9.2 (11/06/22)
T.PROTEIN	6.6	5.70 - 8.20	g/dL	6.7 (11/06/22)
ALBUMIN	4.3	3.20 - 4.80	g/dL	4.4 (11/06/22)
GLOBULIN	2.3	1.8 - 4.0	g/dL	2.3 (11/06/22)
A/G RATIO	1.87	1.00 - 2.50	RATIO	1.91 (11/06/22)
ALK.PHOSPHATASE	41 L	46.0 - 116.0	U/L	41 (11/06/22)
URIC ACID	5.2	3.10 - 9.20	mg/dL	3.8 (11/06/22)
LACTATE DEHYDROGENASE	201	120.0 - 246.0	U/L	205 (11/06/22)
BILIRUBIN,Total	0.5	0.2 - 1.1	mg/dL	0.4 (11/06/22)
BILIRUBIN,Direct	0.20	0.00 - 0.20	mg/dL	0.20 (11/06/22)
GGT	15	<38	U/L	14 (11/06/22)
SGPT (ALT)	21	10.00 - 49.00	U/L	18 (11/06/22)

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CLIA#: 33D0985206



REFERENCE RANGE:

Normal: <5.7%

Pre-Diabetes: 5.7-6.4% Diabetes: > or =6.5%

INTERPRETIVE STATEMENT:

Hemoglobin Alc (Alc) is used to diagnose and monitor diabetes mellitus. The ADA reccomends twice a year testing for patients with stable glucose control and quarterly testing for patients with poor glucose control. Variant hemoglobins (ie Sickle cell, thalassemia) may affect test results. Hemoglobin Alc is observed to be lower in healthy pregnant women than healthy non-pregnant women, patients with spherocytosis, and medical conditions with high RBC turnover (hemolytic and other anemias, recent RBC transfusion, and ESRD).

CRP HIGH SENSITIVITY	0.69 L	1.0 - 3.0	mg/L	1.14 (11/06/22)	
HOMOCYSTEINE	18.01 H	3.70 - 13.90	umol/L	17.06 (07/16/22)	
LIPID PANEL					
CHOLESTEROL	103	<200	mg/dL	87 (11/06/22)	
HDL CHOLESTEROL	42 L	>=60	mg/dL	36 (11/06/22)	
CHOLESTEROL/HDL RATIO	2.45	0 - 4.44		2.42 (11/06/22)	
	Male <5.00				
	Female <4.50				
TRIGLYCERIDES	153 H	<150	mg/dL	110 (11/06/22)	
LDL CHOLESTEROL,calc.	30	<100	mg/dL	29 (11/06/22)	
	culation is not valid who	en Triglyceride			
value ex	cceeds 400 mg/dL.				
M DI CHOLECTEDOL 1	21	0. 20	/ 17	22 (11/07/22)	
VLDL CHOLESTEROL,calc. HEMATOLOGY	31	0 - 38	mg/dL	22 (11/06/22)	
HEMATOLOGY					
Complete Blood Count					
WBC	7.8	3.8 - 10.5	10^3/uL	8.0 (11/06/22)	
RBC	3.59 L	3.8 - 5.2	10^6/uL	3.60 (11/06/22)	
HGB	11.0 L	11.5 - 15.5	g/dL	11.2 (11/06/22)	
HCT	32.5 L	37.0 - 47.0	%	32.9 (11/06/22)	
MCV	90.6 H	80 - 90	fL	91.4 (11/06/22)	
IVIC V	90.0 n	00 - 90	IL	91.4 (11/00/22)	



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DOB.	Age: 83	Sex: F
Phone:	ID#:	

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lest Name	Within Range	Out Of Range	Ref.Range	Units	Previous Result (Date)
HEMATOLOGY (Continued)					
MCH	30.6		27.0 - 34.0	pg	31.1 (11/06/22)
MCHC	33.7		32.0 - 36.0	g/dL	34.0 (11/06/22)
RDW	14.6		11.5 - 15.5	%	14.9 (11/06/22)
PLT	188		150 - 400	10^3/uL	180 (11/06/22)
MPV		11.3 H	7.4 - 10.4	fL	11.1 (11/06/22)
Differential Automated					
SEGMENTED %		78.3 H	40.0 - 75.0	%	75.6 (11/06/22)
SEGMENTED #	6.1		1.80 - 7.40	10^3/uL	6.0 (11/06/22)
LYMPHOCYTES %	14.5		13.0 - 44.0	%	16.7 (11/06/22)
LYMPHOCYTES #	1.1		1.0 - 3.0	10^3/uL	1.3 (11/06/22)
MONOCYTES %	5.3		2.0 - 11.0	%	5.2 (11/06/22)
MONOCYTES #	0.40		0.0 - 0.9	10^3/uL	0.40 (11/06/22)
EOSINOPHILS %	1.2		0.0 - 6.0	%	1.3 (11/06/22)
EOSINOPHILS #	0.10		0.0 - 0.5	10^3/uL	0.10 (11/06/22)
BASOPHILS %	0.7		0.0 - 2.0	%	1.2 (11/06/22)
BASOPHILS #	0.10		0.0 - 0.2	10^3/uL	0.10 (11/06/22)
THYROID FUNCTION					
T4	8.1		4.50 - 10.90	ug/dL	
T3,TOTAL	99.55		60 - 181	ng/dL	85.79 (11/06/22)
T4, FREE	1.350		0.89 - 1.76	ng/dL	1.150 (11/06/22)
TSH	1.608		0.550 - 4.780	uIU/mL	1.454 (11/06/22)
T3,FREE	2.59		2.30 - 4.20	pg/mL	2.83 (11/06/22)
ENDOCRINOLOGY					
VITAMIN B12	421.0		211 - 911	pg/mL	289.0 (11/06/22)

Low	Less	than	160	pg/mL
Inter	mediat	e 160	-200	pg/mL
Great	er tha	n	200	Tm/pg

FOLATE	3.58 L	5.38 - 24.00	ng/mL	9.07 (04/19/22)	
CORTISOL	15.74	3.44 - 22.45	ug/dl		

Reference Ranges:

Morning 6.2-19.4 Afternoon 2.3-11.9

ESTRADIOL 27.1 19.50 - 356.7 pg/mL

Male 52.8 - 63.2

Female

Follicular Phase 172.4 - 314.4 Ovulation Phase 316.5 - 524.4

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(L)Low I (H)High I (CL)Critical Low I (CH)Critical High

Accession:2301030408 Patient ID:064863180M Lab Results For:

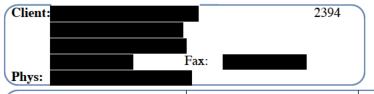
Originally Reported On:01/04/23 00:48



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Test Name

Within Range

Out Of Range

Ref.Range

Units

Previous Result (Date)

ENDOCRINOLOGY (Continued)

Luteal Phase Postmenopause

293.4 - 751.6 51.5 - 313.3

TESTOSTERONE

11.20

10 - 75

ng/dL

Free Testosterone cannot be calculated if the Total Testosterone results are <7.50 or >1500.

DHEA-SULFATE VITAMIN D 25-OH 69

25.90 - 568.9

ug/dL ng/mL

24.7 (11/06/22)

Interpretation of Results for Vitamin D: <10 ng/mL....indicates deficiency 10 - 30 ng/mL...indicates insufficiency 30 - 100 ng/mL...indicates sufficiency >100 ng/mL.....indicates toxicity

25.1 L

TESTOSTERONE,FREE	0.07	0.06 - 0.68	ng/dL
SHBG	133	23.15 - 159.1	nmol/L
PROGESTERONE	0.22	0.21 - 28.03	ng/mL

REFERENCE RANGE

FEMALE:

FOLLICULA 0.0 -1.2 NG/ML 0.95 - 21.0 NG/ML LUTEAL POST-MENOPAUSAL < 1.0 NG/ML DURING PREGNANCY

9.3 - 33.2 NG/ML 1ST TRIMESTER 29.5 - 50.0 NG/ML 2ND TRIMESTER 3RD TRIMESTER 83.1 - 160.0 NG/ML

SEE NEW RANGES****

EFFECTIVE DATE 02/15/2002

OTHER

Zinc, Whole Blood

462.49

301.74 - 706.92

ug/dL

*1

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

This assay was validated in compliance with CLIA regulations and may be used for clinical purposes only.

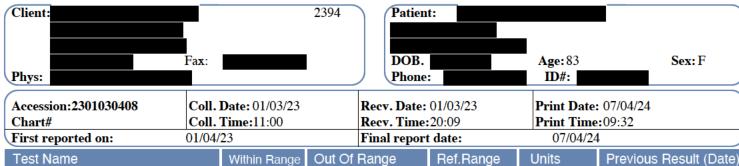
Analysis by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)

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OTHER (Continued)

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Other Tests

Cobalt, Whole Blood <0.40 0.00 - 0.85 ug/L *1

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Analysis by Inductively Coupled Plasma - Mass Spectromentry (ICP-MS)

Manganese, Whole Blood 14.90 6.33 - 31.95 ug/L

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Analysis by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)

Cadmlum, Blood

Cadmium, Whole Blood <0.30 0.00 - 1.20 ug/L

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Environmental Exposure:

Nonsmokers: 0.3-1.2 Smokers: 0.6-3.9

Occupational Exposure:

OSHA Cadmium Std. < 5.0 BEI < 5.0

Analysis by Inductively Coupled Plasma - Mass Spectromentry (ICP-MS)

INSULIN 30.5 H 2.6 - 24.9 uIU/mL *2
Selenium, Whole Blood 226.66 76.07 - 518.26 ug/L *1

This test was developed and its performance characteristics determined by SMA Specialty Medical Lab. It has not been cleared or approved by the Food and Drug (Continued on Next Page)

Originally Reported On:01/04/23 00:48

Page:5

(L)Low I (H)High I (CL)Critical Low I (CH)Critical High

Accession:2301030408 Patient ID:064863180M

Lab Results For:

*]

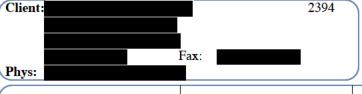
*1



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Other Tests (Continued)

Administration.

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Analysis by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)

Aluminum, Whole Blood

Aluminium, Whole Blood

15.22

0.00 - 40.00

ug/L

*1

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This assay was validated in compliance with CLIA regulations and may be used for clinical purposes only.

Analysis by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)

Vitamin E (alpha-Tocopherol), Serum

5.5 - 25.0

mg/I

*1

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

Report Status: FINAL

END OF REPORT

SMA LAB, Feasterville, PA 19053 CLIA# 39D0987158

*2) Unless otherwise noted, Tests Performed at:

SUNRISE MEDICAL LABORATORIES, HICKSVILLE, NY 11801 CLIA# 33D0654120

Reference Lab. Account Number: 19590 Reference Lab. Accession Number: 2278992

*THE FOLLOWING PREVIOUS TEST RESULTS WERE ACCOMPANIED BY FREE TEXT AND/OR CANNED COMMENTS:

GLOMERULAR FILTRATION : 73 (11/06/22)

If African-American, result is: >60

^{*1)} Unless otherwise noted, Tests Performed at: