Patient ID:

Specimen ID: **172-401-1651-0** 

DOB: **09/03/1971** 

Age: **51** Sex: **Female** 

#### **Patient Report**

Account Number: **42347320** Ordering Physician: **R LISLE** 



Date Collected: **06/21/2023** Date Received: **06/21/2023** 

Date Reported: 07/03/2023

Fasting: Yes

Ordered Items: NMR LipoProfile+IR Markers; Heavy Metals Profile II, Blood; CBC With Differential/Platelet; Comp. Metabolic Panel (14); Lipid Panel w/ Chol/HDL Ratio; Iron and TIBC; TSH+T4F+T3Free+T3Reve; DHT, Free, LCMS/Dialysis; Vitamin B12 and Folate; FSH and LH; Testosterone, Free+Total LC/MS; Hemoglobin A1c; Prolactin; Estradiol; C-Peptide, Serum; Vitamin D, 25-Hydroxy; Lipoprotein (a); C-Reactive Protein, Cardiac; Oxidized LDL; Lp-PLA2 Activity; Homocyst(e)ine; Uric Acid; GGT; Thyroid Antibodies; Progesterone; Insulin; Ferritin; Apolipoprotein B; Venipuncture

Date Collected: 06/21/2023

### NMR LipoProfile+IR Markers

	Test	Current Result	and Flag	Previous Result and Date	Units	Reference Interval
	LDL Particle Number <sup>01</sup>					
<u> </u>	LDL-P A, 01	1272	High	Low Moderate Borderline-High High Very High	nmol/L < 1000 1000 - 1299 1300 - 1599 1600 - 2000 > 2000	<1000
	LDL and HDL Particles 01					
▼	HDL-P (Total) A, 01	22.3	Low		umol/L	>=30.5
	Small LDL-PA,01	268			nmol/L	<=527
	LDL Size A, 01	21.5			nm	>20.5
	Comment: 01		<pre><lower high="" pe="" rticles="">34.9     Low     &lt;117 arge (Patter     23.0</lower></pre>	25th 50th 75th Hi 117 527 839 >8	cion ow 26.7 Lgh 339 	
	Insulin Resistance/Diab. Risk <sup>01</sup>					
<u> </u>	Large VLDL-PA,01	4.2	High		nmol/L	<=2.7
	Small LDL-P <sup>A, 01</sup>	268			nmol/L	<=527
<b>V</b>	Large HDL-PA,01	3.9	Low		umol/L	>=4.8
<u> </u>	VLDL Size A, 01	48.0	High		nm	<=46.6
	LDL Size A, 01	21.5			nm	>=20.8
<b>V</b>	HDL Size A, 01	8.8	Low		nm	>=9.2
	Insulin Resistance Score 01					
4	LP-IR Score A, 01	54	High			<=45

Percentile in Reference Population

Patient ID:

Specimen ID: **172-401-1651-0** 

#### DOB: **09/03/1971**

Age: **51** Sex: **Female** 

### **Patient Report**

Account Number: **42347320** Ordering Physician: **R LISLE** 



Date Collected: 06/21/2023

### NMR LipoProfile+IR Markers (Cont.)

Large VLDL-P	Low	25th	50th	75th	High
	<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 Resistand	ce Score				
LP-IR SCORE	Low	25th	50th	75th	High
	<27	27	45	63	>63

Comment: 01

 $\ensuremath{\mathsf{LP}\text{-}\mathsf{IR}}$  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.

# **Heavy Metals Profile II, Blood**

Test Current Result and Flag Previous Result and Date		Units	Reference Interva		
Lead, Blood A, 01	<1.0	<1.0		0.0-3.4	
	Blood Lead Collection Method	: Venous			
	Testing performed by Inductiv	vely coupled plasma/Mass Spe	ctrometry.		
		Environmental E	xposure:		
		WHO Recommenda	tion <5.0		
		Occupational Ex	posure:		
		OSHA Lead Std	40.0		
		BEI	30.0		
		Detection	Limit = 1.0		
Arsenic, Blood A, 01	2		ug/L	0-9	
		Limit = 1			
Mercury, Blood A, 01	1.1		ug/L	0.0-14.9	
·		Environmental Exp	osure: <15.0		
		Occupational Exposure:			
		BEI - Inorganic Merc			
		Detection	Limit = 1.0		
Cadmium, Blood A, 01	<0.5		ug/L	0.0-1.2	
		Environmental	-		
		Nonsmokers	0.3 - 1.2		
		Smokers	0.6 - 3.9		
		Occupational Exposure:			
		OSHA Cadmium	Std 5.0		
		BEI	5.0		
		Detection	Limit = $0.5$		

Patient ID:

Specimen ID: **172-401-1651-0** 

DOB: **09/03/1971** 

Age: **51** Sex: **Female** 

### **Patient Report**

Account Number: **42347320** Ordering Physician: **R LISLE** 



Date Collected: 06/21/2023

# **CBC With Differential/Platelet**

Test	Current Result and Flag	Previous Re	Previous Result and Date		Reference Interval
WBC 02	7.3	8.9	10/05/2022	x10E3/uL	3.4-10.8
RBC <sup>02</sup>	5.18	5.69	10/05/2022	x10E6/uL	3.77-5.28
Hemoglobin 02	14.3	14.4	10/05/2022	g/dL	11.1-15.9
Hematocrit 02	42.8	45.6	10/05/2022	%	34.0-46.6
MCV <sup>02</sup>	83	80	10/05/2022	fL	79-97
MCH <sup>02</sup>	27.6	25.3	10/05/2022	pg	26.6-33.0
MCHC 02	33.4	31.6	10/05/2022	g/dL	31.5-35.7
RDW 02	13.5	14.3	10/05/2022	%	11.7-15.4
Platelets 02	223	273	10/05/2022	x10E3/uL	150-450
Neutrophils 02	57	60	10/05/2022	%	Not Estab.
Lymphs 02	33	29	10/05/2022	%	Not Estab.
Monocytes <sup>02</sup>	7	7	10/05/2022	%	Not Estab.
Eos 02	2	2	10/05/2022	%	Not Estab.
Basos 02	1	1	10/05/2022	%	Not Estab.
Neutrophils (Absolute) 02	4.2	5.4	10/05/2022	x10E3/uL	1.4-7.0
Lymphs (Absolute) 02	2.4	2.6	10/05/2022	x10E3/uL	0.7-3.1
Monocytes(Absolute) 02	0.5	0.6	10/05/2022	x10E3/uL	0.1-0.9
Eos (Absolute) 02	0.2	0.2	10/05/2022	x10E3/uL	0.0-0.4
Baso (Absolute) 02	0.0	0.1	10/05/2022	x10E3/uL	0.0-0.2
Immature Granulocytes 02	0	1	10/05/2022	%	Not Estab.
Immature Grans (Abs) 02	0.0	0.0	10/05/2022	x10E3/uL	0.0-0.1

# Comp. Metabolic Panel (14)

Test	Current Result and Flag	Previous Res	Previous Result and Date		Reference Interval
Glucose 02	93	104	10/05/2022	mg/dL	70-99
BUN 02	14	14	10/05/2022	mg/dL	6-24
Creatinine 02	0.61	0.70	10/05/2022	mg/dL	0.57-1.00
eGFR	108	105	10/05/2022	mL/min/1.73	>59
BUN/Creatinine Ratio	23	20	10/05/2022		9-23
Sodium 02	140	138	10/05/2022	mmol/L	134-144
Potassium <sup>02</sup>	4.0	4.8	10/05/2022	mmol/L	3.5-5.2
Chloride 02	102	100	10/05/2022	mmol/L	96-106
Carbon Dioxide, Total 02	23	25	10/05/2022	mmol/L	20-29
Calcium 02	9.2	9.9	10/05/2022	mg/dL	8.7-10.2
Protein, Total <sup>02</sup>	6.6	7.6	10/05/2022	g/dL	6.0-8.5
Albumin 02	4.2	4.8	10/05/2022	g/dL	3.8-4.9

\*\*Effective July 10, 2023 Albumin reference interval\*\* will be changing to:

Age		Male	Female
0 -	7 days	3.6 - 4.9	3.6 - 4.9
8 -	30 days	3.5 - 4.6	3.5 - 4.6
1 -	6 months	3.7 - 4.8	3.7 - 4.8
7 months -	2 years	4.0 - 5.0	4.0 - 5.0
3 -	5 years	4.1 - 5.0	4.1 - 5.0

Patient ID:

Specimen ID: **172-401-1651-0** 

DOB: **09/03/1971** 

Age: **51** Sex: **Female** 

### **Patient Report**

Account Number: **42347320** Ordering Physician: **R LISLE** 



Date Collected: 06/21/2023

# Comp. Metabolic Panel (14) (Cont.)

•	, , ,				
		6 - 12 years	4.2 - 5.0	4.2 - 5.0	
		13 - 30 years	4.3 - 5.2	4.0 - 5.0	
		31 - 50 years	4.1 - 5.1	3.9 - 4.9	
		51 - 60 years	3.8 - 4.9	3.8 - 4.9	
		61 - 70 years	3.9 - 4.9	3.9 - 4.9	
		71 - 80 years	3.8 - 4.8	3.8 - 4.8	
		81 - 89 years	3.7 - 4.7	3.7 - 4.7	
		90 - 199 years	3.6 - 4.6	3.6 - 4.6	
Globulin, Total	2.4	2.8	10/05/2022	g/dL	1.5-4.5
A/G Ratio	1.8	1.7	10/05/2022		1.2-2.2
Bilirubin, Total 02	0.5	0.3	10/05/2022	mg/dL	0.0-1.2
Alkaline Phosphatase 02	114	117	10/05/2022	IU/L	44-121
AST (SGOT) 02	19	31	10/05/2022	IU/L	0-40
ALT (SGPT) 02	26	46	10/05/2022	IU/L	0-32

### Lipid Panel w/ Chol/HDL Ratio

Test	Current Resu	ult and Flag	Previous Result and Date		Units	Reference Interval
Cholesterol, Total 02	172		230	10/05/2022	mg/dL	100-199
Triglycerides 02	143		98	10/05/2022	mg/dL	0-149
<b>▼ HDL Cholesterol</b> 02	38	Low	50	10/05/2022	mg/dL	>39
VLDL Cholesterol Cal	26		17	10/05/2022	mg/dL	5-40
▲ LDL Chol Calc (NIH)	108	High	163	10/05/2022	mg/dL	0-99
▲ T. Chol/HDL Ratio	4.5	High			ratio	0.0-4.4

Please Note: 02

T. Chol/HDL Ratio

Men Women
1/2 Avg.Risk 3.4 3.3
Avg.Risk 5.0 4.4
2X Avg.Risk 9.6 7.1

11.0

3X Avg.Risk 23.4

#### **Iron and TIBC**

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Iron Bind.Cap.(TIBC)	351		ug/dL	250-450
UIBC 02	262		ug/dL	131-425
Iron 02	89		ug/dL	27-159
Iron Saturation	25		%	15-55

### TSH+T4F+T3Free+T3Reve

Test	Current Result and Flag	Previous Res	sult and Date	Units	Reference Interval
TSH 02	0.836	1.700	10/05/2022	uIU/mL	0.450-4.500
Triiodothyronine (T3), Free 02	2.4	3.1	10/05/2022	pg/mL	2.0-4.4
Reverse T3, Serum <sup>A, 01</sup>	21.9	18.1	10/05/2022	ng/dL	9.2-24.1
T4,Free(Direct) 02	1.09	1.34	10/05/2022	ng/dL	0.82-1.77

Patient ID:

Specimen ID: **172-401-1651-0** 

DOB: **09/03/1971** 

Age: **51** Sex: **Female** 

# **Patient Report**

Account Number: **42347320** Ordering Physician: **R LISLE** 



Date Collected: 06/21/2023

# DHT, Free, LCMS/Dialysis

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval	
Dihydrotestosterone <sup>03</sup>	5.2 This test was developed and determined by Labcorp. It haby the Food and Drug Adminis Reference Range: Adult Female: 4 - 22	ng/dL			
DHT, Percent Free Dialysis <sup>03</sup>	were validated by LabCorp. I	0.49 This test was developed and the performance characteristics were validated by LabCorp. It has not been cleared or approved by the Food and Drug Administration. Reference Range: <18y: Not Established			
DHT, Free <sup>03</sup>	0.25 Reference Range: <18y: Not Established Adult Females: 0.09 - 1.02		pg/mL		

#### **Vitamin B12 and Folate**

Test	Current Result and Flag	Previous Re	sult and Date	Units	Reference Interval	
Vitamin B12 02	955	1268	10/05/2022	pg/mL	232-1245	
Folate (Folic Acid), Serum 02	17.3	>20.0	10/05/2022	ng/mL	>3.0	
Note: 02						
A serum folate concentration of less than 3.1 ng/mL is considered to represent clinical deficiency.						

#### **FSH and LH**

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
LH <sup>02</sup>	36.0		mIU/mL	
		Adult Female:		
		Follicular phase	2.4 - 12.6	
		Ovulation phase	14.0 - 95.6	
		Luteal phase	1.0 - 11.4	
		Postmenopausal	7.7 - 58.5	
FSH <sup>02</sup>	36.7		mIU/mL	
		Adult Female:		
		Follicular phase	3.5 - 12.5	
		Ovulation phase	4.7 - 21.5	
		Luteal phase	1.7 - 7.7	
		Postmenopausal	25.8 - 134.8	

# Testosterone, Free+Total LC/MS

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Testosterone, Total, LC/MS <sup>A,01</sup>	20.4		ng/dL	
		Female: Premenopausal Postmenopausal	10.0 - 55.0 7.0 - 40.0	
Free Testosterone(Direct) 02	2.1		pg/mL	0.0-4.2

Patient ID:

Specimen ID: 172-401-1651-0

DOB: **09/03/1971** 

Age: **51** Sex: **Female** 

### **Patient Report**

Account Number: **42347320** Ordering Physician: **R LISLE** 



Date Collected: 06/21/2023

# Hemoglobin A1c

Te	est	Current Resu	lt and Flag	Previous Re	sult and Date	Units	Reference Interval
▲ He	emoglobin A1c 02	5.8	High	6.0	10/05/2022	%	4.8-5.6
Ple	ease Note: 02						
		Prediabetes: 5.7 - 6.4 Diabetes: >6.4					
		Glycemic control for adults with diabetes: <7.0					
		Glycem	ic control for	adults with	diabetes: <7.0		

### **Prolactin**

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Prolactin 02	6.6		ng/mL	4.8-23.3

#### **Estradiol**

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Estradiol 02	7.7	<5.0 10/05/2022	2 pg/mL	
		Adult Female:		
		Follicular phase	12.5 - 166.0	
		Ovulation phase	85.8 - 498.0	
		Luteal phase	43.8 - 211.0	
		Postmenopausal	<6.0 - 54.7	
		Pregnancy		
		1st trimester	215.0 - >4300.0	
	Roche FCLTA methodology			

# C-Peptide, Serum

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
C-Peptide, Serum 02	2.4		ng/mL	1.1-4.4
	C-Peptide reference interval	is for fasting patients.	-	

# Vitamin D, 25-Hydroxy

Test	Current Result and Flag	Previous Re	sult and Date	Units	Reference Interval
Vitamin D, 25-Hydroxy 02	39.9	35.3	10/05/2022	ng/mL	30.0-100.0
	Vitamin D deficiency has bee Medicine and an Endocrine So level of serum 25-OH vitamin The Endocrine Society went o 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 deficiency: an Endocrine quideline. JCEM. 2011 Jul	n defined by to ciety practice D less than 2 n to further doween 21 and 29 e). 2010. Diet . Washington Deschoff-Ferrari d prevention of	che Institute of e guideline as a 20 ng/mL (1,2). define vitamin D o ng/mL (2). cary reference OC: The		

# Lipoprotein (a)

Test	Current Resu	lt and Flag	Previous Result and Date	Units	Reference Interval
▲ Lipoprotein (a) 02	131.3	High		nmol/L	<75.0
		Note: Values	greater than or equal to 75.0	nmol/L may	

Patient ID:

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DOB: **09/03/1971** 

Age: **51** Sex: **Female** 

### **Patient Report**

Account Number: **42347320** Ordering Physician: **R LISLE** 



Date Collected: 06/21/2023

# Lipoprotein (a) (Cont.)

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**

nterval
.00

#### **Oxidized LDL**

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Oxidized LDL 01	71		ng/mL	10-170

### **Lp-PLA2 Activity**

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Lp-PLA2 Activity 01	169		nmol/min/mL	0-224
		Reduced Risk	<225	
		Increased Risk	>224	

# Homocyst(e)ine

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Homocyst(e)ine 02	6.0		umol/L	0.0-14.5

#### **Uric Acid**

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval		
Uric Acid 02	6.5		mg/dL	3.0-7.2		
	Th	Therapeutic target for gout patients: <6.0				

#### GGT

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
GGT 02	35		IU/L	0-60

# **Thyroid Antibodies**

Test	Current Result and Flag Previous Result and Date		ult and Date	Units	Reference Interval
Thyroid Peroxidase (TPO) Ab 02	<9	11	10/05/2022	IU/mL	0-34
Thyroglobulin Antibody 02	<1.0	<1.0	10/05/2022	IU/mL	0.0-0.9
	Thyroglobulin Antibody measured by Beckman Coulter Methodology				

Patient ID:

Specimen ID: 172-401-1651-0

DOB: **09/03/1971** 

Age: **51** Sex: **Female** 

#### **Patient Report**

Account Number: **42347320** Ordering Physician: **R LISLE** 



Date Collected: 06/21/2023

#### **Progesterone**

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Progesterone <sup>02</sup>	0.2	0.3 01/07/2022 Follicular phase Luteal phase Ovulation phase Pregnant First trimester Second trimester Third trimester	ng/mL 0.1 - 0.9 1.8 - 23.9 0.1 - 12.0 11.0 - 44.3 25.4 - 83.3 58.7 - 214.0	
		Postmenopausal	0.0 - 0.1	

#### Insulin

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Insulin 02	11.1		uIU/mL	2.6-24.9

#### **Ferritin**

Test	Current Result and Flag	Previous Result and Date		Units	Reference Interval
Ferritin 02	83	53	10/05/2022	ng/mL	15-150

### **Apolipoprotein B**

Test	Current Resi	ult and Flag	<b>Previous Result and Date</b>		Units	Reference Interval
▲ Apolipoprotein B <sup>02</sup>	93	High			mg/dL	<90
			Desirab	ole	< 90	
			Border1	line High	90 - 99	
			High		100 - 130	
			Very Hi	igh	>130	
		ASC	 VD RISK	THERAPEUT	IC TARGET	
		CA	TEGORY	APO B	(mg/dL)	
		Very	High Risk <8	30 (if extre	me risk <70)	
		High	Risk <9	90		
		Moder	ate Risk <9	90		

#### 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

#### 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.

#### **Performing Labs**

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

02: RN - Labcorp Raritan 69 First Avenue, Raritan, NJ, 08869-1800 Dir: Liza Jodry, MD

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

For Inquiries, the physician may contact Branch: 972-566-7500 Lab: 800-631-5250

Patient ID:

Specimen ID: **172-401-1651-0** 

DOB: **09/03/1971** 

Age: **51** Sex: **Female** 

### **Patient Report**

Account Number: **42347320** Ordering Physician: **R LISLE** 



Patient Details
Michalman, Marnee
26 E DERRY RD, DERRY, NH, 03038

Phone: **603-490-0546**Date of Birth: **09/03/1971** 

Age: **51** Sex: **Female** Patient ID:

Alternate Patient ID:

**Physician Details** 

**R LISLE** 

Rachel Lisle Wellness 4020 N MacArthur Blvd #122, Irving, TX,

75038

Phone: **972-922-6167** Account Number: **42347320** 

Physician ID: NPI: **1457826596**  Specimen Details

Specimen ID: **172-401-1651-0** Control ID: **10546322708** Alternate Control Number:

Date Collected: 06/21/2023 1055 Local
Date Received: 06/21/2023 0000 ET
Date Entered: 06/21/2023 1642 ET
Date Reported: 07/03/2023 2108 ET

Patient ID:

Specimen ID: 172-401-1651-0

DOB: **09/03/1971** 

Age: **51** Sex: **Female** 

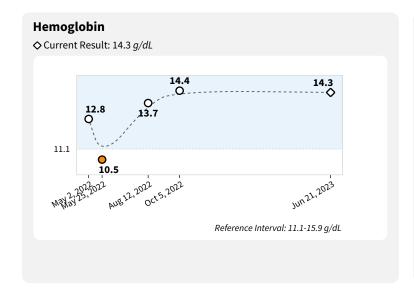
### **Patient Report**

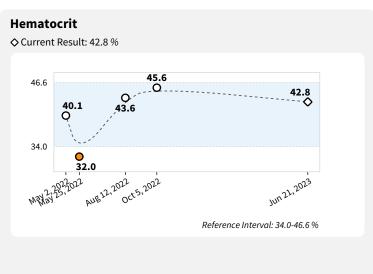
Account Number: **42347320** Ordering Physician: **R LISLE** 

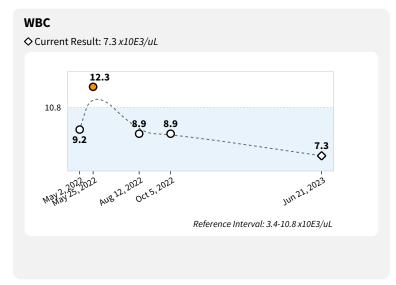


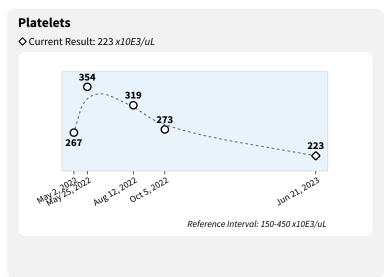
### **Historical Results & Insights**

Labcorp offers historical lab results data with easy-to-interpret visualizations to provide a more complete picture of a patient's lab history and improve patient care.









Patient ID:

Specimen ID: 172-401-1651-0

DOB: **09/03/1971** 

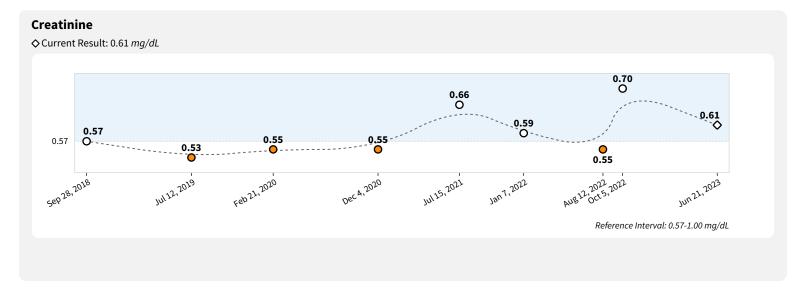
Age: **51** 

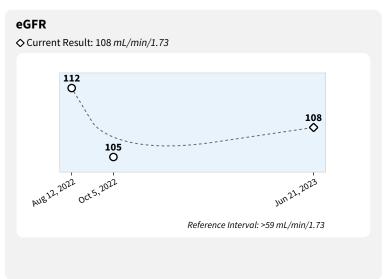
Sex: Female

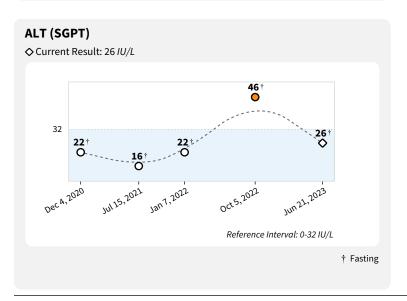
### **Patient Report**

Account Number: 42347320 Ordering Physician: R LISLE









Patient ID:

Specimen ID: 172-401-1651-0

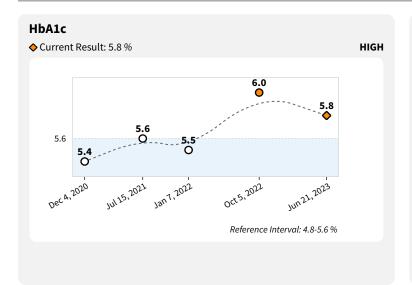
DOB: **09/03/1971** 

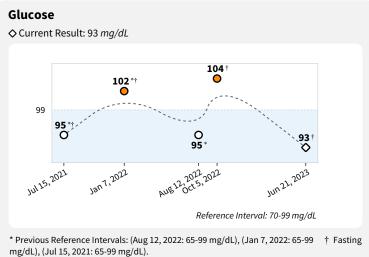
Age: **51** Sex: **Female** 

### **Patient Report**

Account Number: **42347320** Ordering Physician: **R LISLE** 







#### **Cardiovascular Tests** Total VLDL Chol. TG HDL-C LDL-C Date 143 06/21/2023† 172 38 26 108 10/05/2022† 230 50 17 163 01/07/2022† 190 65 45 12 133 07/15/2021† 208 94 39 17 152 12/04/2020† 204 98 42 18 144 100-199 >39 5-40 0-99 Ref. Interval 0-149 mg/dL mg/dL mg/dL mg/dL Units mg/dL † Fasting