



Client Services:  
888-474-5227

# REPORT

Physician(s): Brent Scroggins, MD

Patient Name: **HAMMETT, LAURA L**  
 MRN: ██████████78  
 Home Phone: 760-966-6000  
 Age-Sex-DOB: 60y F (██████████1962)

Collected Date: 05/18/2023 9:14 AM  
 Received Date: 05/20/2023 4:50 AM  
 Accession Date: 05/20/2023  
 Report Date: 05/26/2023  
 Location: OFFICE

**Natural State Laboratories**  
 Account# ██████████148  
 1514 Market Street  
 Suite B125  
 Little Rock, AR 72211  
 Route: 95 Phone# 501-753-0100

## CLINICAL LAB REPORT

Test	Result	Flags	Ref. Range	Units
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\*\*\* GENERAL CHEMISTRY \*\*\*

**TESTOSTERONE, FREE, BIOAVAILABLE, AND TOTAL AND SHBG**

Testosterone	SEE BELOW		3.00-41.00	ng/dL
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The result is outside of the reportable range for this methodology. Please refer to Testosterone , Total by LC/MS for the result.

Sex Hormone Binding Globulin (SHBG)	106.0		17.3-125.0	nmol/L
Free Testosterone, Percent	0.77	L	1.60-2.90	%
Free Testosterone (calculation)	0	L	1-4	pg/mL
Testosterone Bioavailable	1	L	2-9	ng/dL

Testosterone, Total by LC/MS <sup>1</sup>	5.5	L	6.0-30.0	ng/dL
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Premenopausal            5-55 ng/dL  
 (Greater than 18 years)  
 Postmenopausal        6-30 ng/dL

Progesterone	0.29			ng/mL
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**Progesterone Reference Range**  
 Healthy women  
   Follicular phase    0.057 - 0.893  
   Ovulation phase    0.121 - 12.0  
   Luteal phase        1.83 - 23.9  
   Postmenopause     <0.05 - 0.126

Healthy pregnant women  
   1st trimester       11.0 - 44.3  
   2nd trimester      25.4 - 83.3  
   3rd trimester      58.7 - 214

Estradiol	30			pg/mL
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**Estradiol Reference Range**  
 Healthy women  
   Follicular phase    12.4 - 233  
   Ovulation phase    41.0 - 398  
   Luteal phase        22.3 - 341  
   Postmenopause     <5 - 138

Healthy pregnant women  
   1st trimester       154 - 3243  
   2nd trimester      1561 - 21280  
   3rd trimester      8525 - >30000

Thyroid Peroxidase Antibody	147	H	<9-34	IU/mL
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An elevated Thyroid Peroxidase Antibody should not be used alone to make the diagnosis of autoimmune thyroid disease. A result of <34 U/mL does not

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 1514 Market Street  
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**Continuation of Report**

<u>Test</u>	<u>Result</u>	<u>Flags</u>	<u>Ref. Range</u>	<u>Units</u>
definitively rule out the possibility of autoimmune thyroid disease.				
Thyroglobulin Antibody <sup>2</sup>	>4000	H	<10-115.0	IU/mL
Thyroxine Free (free T4)	0.88		0.86-1.76	ng/dL
TSH reflex to FT4	10.50	H	0.43-5.25	mU/L
Triiodothyronine, Reverse - LC-MS/MS <sup>3,4</sup>	7	L	8-25	ng/dL

All tests performed by PathGroup Labs, LLC, 1010 Airpark Center Dr., Suite C, Nashville, TN 37217, Benton R. Middleman, MD, Laboratory Director, CLIA # 44D1008678, unless otherwise noted.

<sup>1</sup> This test was developed and its performance characteristics were determined by PathGroup clinical laboratories. It has not been cleared or approved by the FDA. The laboratory is regulated under CLIA as qualified to perform high-complexity testing. This test is used for clinical purposes and should not be regarded as investigational or for research.

<sup>2</sup> This test is performed by the Roche ECLIA methodology. Values obtained with different assay methods or kits cannot be directly compared.

<sup>3</sup> Test Performed By Quest Chantilly (703) 802-6900, CLIA 49D0221801 Quest Diagnostics Nichols Institute 14225 Newbrook Drive, Chantilly, VA, 20151 Patrick W Mason, MD PhD

<sup>4</sup> Test developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute Chantilly, VA. 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.



Natural State Labs Clinical  
 CLIA ID: ██████████576  
 Laboratory Director: Charles Sailey M.D.

1514 MARKET ST  
 LITTLE ROCK, AR 72211  
 P: (501) 753-0100 F: (501) 235-3975

<b>PATIENT NAME</b>	Hammett, Laura L	<b>ACCESSION</b>	23051800245
<b>PATIENT DOB</b>	██████ 1962	<b>ORDER CODE</b>	NS23-0025567
<b>PATIENT GENDER</b>	F	<b>SAMPLE TYPE &amp; SOURCE</b>	Serum
<b>PATIENT PHONE</b>	(760) 966-6000	<b>COLLECTED</b>	05-18-2023, 09:14AM (CDT)
<b>PATIENT ALT ID</b>			05-18-2023, 09:14AM (CDT)
<b>ACCOUNT</b>	Scroggins Family Medicine	<b>RECEIVED</b>	05-18-2023, 09:49PM (CDT)
<b>PROVIDER</b>	Brent Scroggins, MD	<b>REPORTED</b>	05-19-2023, 03:40PM (CDT)
<b>PATIENT FASTING</b>	N		
<b>REPORT STATUS</b>	FINAL		

<b>TEST INFORMATION</b>	Complete Blood Count w/ Automated Diff (CBC), Comprehensive Metabolic Panel (CMP), Free T3 (Free Triiodothyronine), Lipid Panel, Vitamin D 25 OH	<b>DIAGNOSIS CODES</b>	E06.3 Autoimmune thyroiditis, E55.9 Vitamin D deficiency, unspecified, N95.9 Unspecified menopausal and perimenopausal disorder
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TESTS	RESULT	UNIT	FLAG	REFERENCE
<b>COMPREHENSIVE METABOLIC PANEL (CMP)</b>				
Sodium	142	mEq/L		136 - 145 mEq/L
Potassium	4.2	mEq/L		3.5 - 5.1 mEq/L
Chloride	106	mEq/L		97 - 107 mEq/L
CO2	26	mEq/L		22 - 32 mEq/L
Glucose	93	mg/dL		65 - 110 mg/dL
Calcium	9.0	mg/dL		8.6 - 10.4 mg/dL
BUN	27	mg/dL	H	6 - 24 mg/dL
Creatinine	0.7	mg/dL		0.5 - 1.2 mg/dL
Albumin	4.1	g/dL		3.5 - 5.3 g/dL
ALP	63	U/L		35 - 129 U/L
ALT	18	U/L		7 - 45 U/L
AST	19	U/L		8 - 43 U/L
Bilirubin, Total	1.2	mg/dL		0.2 - 1.2 mg/dL
Protein, Total	6.6	g/dL		6.0 - 8.3 g/dL
Albumin/Globulin Ratio	1.6			0.8-2.0
eGFR	83	mL/min/ 1.73m <sup>2</sup>	L	90-120 /min/1.73 m <sup>2</sup>
<b>FREE T3 (FREE TRIIODOTHYRONINE)</b>				
Free T3	3.15	pg/mL		2.8 - 4.4 pg/mL
<b>LIPID PANEL</b>				



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<b>PATIENT PHONE</b>	(760) 966-6000	<b>COLLECTED</b>	Whole Blood
<b>PATIENT ALT ID</b>			05-18-2023, 09:14AM (CDT)
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TESTS	RESULT	UNIT	FLAG	REFERENCE
Cholesterol, Total	179	mg/dL		<200 mg/dL
Triglycerides	89	mg/dL		0 - 150 mg/dL
HDL	59	mg/dL		30-80 mg/dL
Cholesterol/HDL Cholesterol Ratio (Calc.)	3			1 - 4
LDL Cholesterol (calc.)	102	mg/dL	H	100.0000 <
<b>VITAMIN D 25 OH</b>				
VitD 25 OH	26.7	ng/mL	L	30.0 - 80.0 ng/mL
<b>COMPLETE BLOOD COUNT W/ AUTOMATED DIFF (CBC)</b>				
WBC	5.0	10 <sup>3</sup> /uL	N	3.98 - 10.4 x 10 <sup>3</sup> /uL
RBC	3.96	10 <sup>6</sup> /uL	N	3.93 - 5.22 x 10 <sup>6</sup> /uL
Hgb	11.7	g/dL	N	11.2 - 15.7 g/dL
HCT	36.2	%	N	34.1 - 44.9 %
MCV	91.4	fL	N	79.4 - 94.8 fL
MCH	29.5	pg	N	25.6 - 32.2 pg
MCHC	32.3	g/dL	N	32.2 - 35.5 g/dL
Platelet Count	63	10 <sup>3</sup> /uL	L	182 - 369 x 10 <sup>3</sup> /uL
RDW-SD	44.1	fL	N	36.4 - 46.3 fL
MPV	12.6	fL	N	9.0 - 13.0 fL
Neutrophils, Absolute	2.99	10 <sup>3</sup> /uL	N	1.5 - 7.0 x 10 <sup>3</sup> /uL
Neutrophil %	59.8	%	N	37.0 - 72.0 %
Lymphocytes, Absolute	1.73	10 <sup>3</sup> /uL	N	1.0 - 3.7 x 10 <sup>3</sup> /uL



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TESTS	RESULT	UNIT	FLAG	REFERENCE
Lymphocyte %	34.6	%	N	20.0 - 50.0 %
Monocytes, Absolute	0.21	10 <sup>3</sup> /uL	N	0.0 - 0.70 x 10 <sup>3</sup> /uL
Monocyte %	4.2	%	L	5.3 - 12.2 %
Eosinophils, Absolute	0.05	10 <sup>3</sup> /uL	N	0.0 - 0.4 x 10 <sup>3</sup> /uL
Eosinophils %	1.0	%	N	0.0 - 6.0 %
Basophils, Absolute	0.01	10 <sup>3</sup> /uL	N	0.0 - 0.1 x 10 <sup>3</sup> /uL
Basophils %	0.2	%	N	0.1 - 1.0 %
Immature Grans, Absolute	0.01	10 <sup>3</sup> /uL	N	0.0 - 1.0 x 10 <sup>3</sup> /uL
Immature Grans %	0.2	%	N	0.0 - 5.0 %

----- **END OF REPORT** -----

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