


<b>ACCESSION</b>		<b>REPORT STATUS</b> Final		<b>Page #:</b> 1		<b>HEALTHLAB</b> 25 N Winfield Road Winfield, IL 60190 (630) 933-2633			
<b>CLINICAL INFORMATION</b>						<b>LAB ORDER NUMBER</b>		<b>PHYSICIAN</b>	
<b>PATIENT</b> BRIDGEWATER,JAMES		<b>SEX</b> Male	<b>DOB</b> 07/22/1974	<b>AGE</b> 47 Years	<b>PATIENT ID</b>		<b>PATIENT PHONE NUMBER</b>		
<b>PATIENT ADDRESS</b>  SPRINGFIELD, IL 62704						<b>ACCOUNT:</b>    <b>ACCOUNT NUMBER:</b>			
<b>DATE OF SPECIMEN</b> 04/07/2022 10:02		<b>FINAL REPORTED</b> 04/20/2022 15:31							
<b>TEST</b>		<b>RESULT</b>		<b>FINAL REPORTED</b>		<b>ABNORMAL</b>		<b>LIMITS</b>	

PROGESTERONE		04/08/2022 07:32		
<b>Progesterone</b>	<b>0.50</b>		<b>H</b>	<b>0.00-0.15 ng/mL</b>
LH (LUTENIZING HORMONE)		04/08/2022 07:32		
<b>LH</b>	<b>9.7</b>		<b>H</b>	<b>1.7-8.6 mIU/mL</b>
FSH		04/08/2022 07:32		
<b>FSH</b>	<b>28.7</b>		<b>H</b>	<b>1.5-12.4 mIU/mL</b>
ESTRADIOL		04/08/2022 07:32		
Estradiol	21.3			11.3-43.2 pg/mL
TESTOSTERONE, TOTAL		04/08/2022 05:35		
<b>Testosterone, Total</b>	<b>190</b>		<b>L</b>	<b>200-800 ng/dL</b>
DHEA SULFATE		04/08/2022 07:19		
DHEA-Sulfate	262			ug/dL
Male Ranges				
Age(y)	Range (ug/dL)			
10-15	24-247			
15-20	70-492			
20-25	211-492			
25-35	160-449			
35-45	89-427			
45-55	44-331			
TPO ANTIBODY		04/08/2022 05:45		
Thyroperoxidase Antibodies	0.3			0.0-9.0 IU/mL
HUMAN SEX HORMONE BINDING GLOBULIN		04/08/2022 05:46		
<b>Sex Hormone Binding Globulin</b>	<b>11.3</b>		<b>L</b>	<b>13.3-89.5 nmoles/L</b>
TSH		04/08/2022 05:40		
<b>TSH</b>	<b>7.28</b>		<b>H</b>	<b>0.30-5.33 uIU/mL</b>
T4 FREE		04/08/2022 05:43		
<b>T4, Free</b>	<b>0.53</b>		<b>L</b>	<b>0.60-1.40 ng/dL</b>
FREE T3		04/08/2022 05:45		
T3, Free	3.8			2.5-3.9 pg/mL
FERRITIN		04/08/2022 05:47		

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				<b>PHYSICIAN</b>	
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Ferritin 82 24-336 ng/mL

IRON 04/08/2022 05:38

**Iron** **197** **H** **60-175 ug/dL**

CBC W/DIFF 04/08/2022 05:25

WBC 8.0 3.6-10.2 10<sup>3</sup>/uL

RBC 5.40 \*\*\* 10<sup>6</sup>/uL

\*\*\* (Based on documented legal sex) 4.40-6.00

HGB 16.9 \*\*\* g/dL

\*\*\* (Based on documented legal sex) 13.2-18.0

HCT 50.2 \*\*\* %

\*\*\* (Based on documented legal sex) 41.0-55.0

MCV 92.0 82.0-99.0 fL

MCH 31.0 27.0-33.0 pg

MCHC 34.0 32.0-36.0 g/dL

RDW 13.0 11.0-15.0 %

PLT 324 150-450 10<sup>3</sup>/uL

MPV 11.3 9.8-12.7 fL

**NRBC's** **0.30** **H** **0 %**

Absolute NRBCs 0.0 0 10<sup>3</sup>/uL

Neutrophils 43.0 37.0-72.0 %

Lymphocytes 40.0 16.0-48.0 %

Monocytes 12.0 4.0-14.0 %

Eosinophils 2.0 0.0-9.0 %

Basophils 2.0 0.0-2.0 %

Immature Granulocytes 1.0 \*\*\* %

\*\*\* No defined reference range

Absolute Neutrophils 3.6 1.1-6.0 10<sup>3</sup>/uL

Absolute Lymphocytes 3.2 0.7-3.4 10<sup>3</sup>/uL

Absolute Monocytes 1.0 0.3-1.0 10<sup>3</sup>/uL

Absolute Eosinophils 0.1 0.0-0.6 10<sup>3</sup>/uL

Absolute Basophils 0.1 0.0-0.1 10<sup>3</sup>/uL

Absolute Immature Granulocytes 0.10 0.00-0.10 10<sup>3</sup>/uL

Granulocytes

4/8/2022 5:24 AM: P indicates partial results on a panel have been released.

Additional results will follow.

4/8/2022 5:24 AM: This result has been final verified. No additional or changed results are expected.

HEMOGLOBIN A1C 04/08/2022 05:52

**Hemoglobin A1c** **6.1** **H** **0-5.6 %**

The American Diabetes Association recommends that a primary goal of therapy

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<b>PATIENT ADDRESS</b>  SPRINGFIELD, IL 62704					<b>ACCOUNT:</b>   <b>ACCOUNT NUMBER:</b>	
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should be a HBA1C of < 7% and that physicians should reevaluate the treatment regimen in patients with HBA1C values consistently > 8%.

<5.7%      Normal  
5.7 - 6.4%      Increased risk for diabetes  
>=6.5%      Diagnostic of diabetes  
<7.0%      Goal of therapy  
>8.0%      Action suggested

FOLATE, SERUM      04/08/2022 05:52  
**Folate, Serum**      **>20.0**      **H**      **6.0-20.0 ng/mL**

VITAMIN B12      04/08/2022 05:53  
Vitamin B12      244      180-914 pg/mL  
Normal Range: 180-914 pg/mL. Indeterminate Range: 145-180 pg/mL. Deficient  
Range: <=145 pg/mL.

URIC ACID      04/08/2022 05:38  
Uric Acid      4.8      4.4-7.6 mg/dL


MAGNESIUM, SERUM      04/08/2022 05:38  
Magnesium      2.2      1.7-2.8 mg/dL

CMP (COMPREHENSIVE METABOLIC PANEL)      04/08/2022 05:38

Sodium	138		133-146 mmol/L
Potassium	4.3		3.5-5.1 mmol/L
Chloride	100		98-107 mmol/L
Carbon Dioxide	29		21-31 mmol/L
Anion Gap	9		4-13 mmol/L
Blood Urea Nitrogen	16		7-25 mg/dL
Creatinine	0.86		0.60-1.30 mg/dL
eGFRcr (CKD-EPI 2021)	>90		>=60 mL/min/1.73 m2
Calcium	9.5		8.3-10.5 mg/dL
<b>Glucose</b>	<b>102</b>	<b>H</b>	<b>70-100 mg/dL</b>
Protein, Total	7.1		6.4-8.3 g/dL
Albumin	4.5		3.5-5.0 g/dL
<b>ALT</b>	<b>76</b>	<b>H</b>	<b>11-51 units/L</b>
Alkaline Phosphatase	98		34-104 units/L
<b>AST</b>	<b>41</b>	<b>H</b>	<b>13-39 units/L</b>
Bilirubin, Total	0.7		0.2-1.2 mg/dL

LIPID PANEL,AMA (LDL-CALC)      04/08/2022 05:38

<b>Total Cholesterol</b>	<b>232</b>	<b>H</b>	<b>0-199 mg/dL</b>
<b>Triglycerides</b>	<b>196</b>	<b>H</b>	<b>0.00-150.00 mg/dL</b>

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**NCEP Reference Values for Triglycerides:**

**Normal:** <150 mg/dL  
**Borderline High:** 150 - 199 mg/dL  
**High:** 200 - 499 mg/dL  
**Very High:** >= 500 mg/dL

HDL Cholesterol	70		>40 mg/dL
<b>LDL Cholesterol</b>	<b>123</b>	<b>H</b>	<b>0-99 mg/dL</b>

**Cutoff values recommended by the National Cholesterol Education Program:**

<b>DESIRABLE:</b> Cholesterol <200 mg/dL	<b>LDL &lt;100 mg/dL</b>
<b>BORDERLINE:</b> Cholesterol 200-239 mg/dL	<b>LDL 101-159 mg/dL</b>
<b>HIGHER RISK:</b> Cholesterol >240 mg/dL	<b>LDL &gt;160 mg/dL, HDL &lt;40 mg/dL</b>

Non-HDL Cholesterol 162 No Reference Range mg/dL

A reasonable goal for non-HDL cholesterol is one that is 30 mg/dL higher than the LDL cholesterol goal.

CHOL/HDL Ratio	3.3	0.0-5.0 .
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PSA TOTAL 04/08/2022 05:35  
 PSA, Total 0.32 0.00-4.00 ng/mL  
 This assay was performed using Beckman Coulter reagents and test kits. Values obtained with other assay methods or kits cannot be used interchangeably.

CRP (C-REACTIVE PROTEIN)	04/08/2022 05:38	
C-Reactive Protein	5.0	0.0-10.0 mg/L

CORTISOL, RANDOM	04/08/2022 05:39	
Cortisol	15.8	ug/dL
R-REFERENCE RANGES: A.M. : 6.70 - 22.60 ug/dL - P.M. : <10.00 ug/dL		

HOMOCYSTEINE	04/08/2022 05:38	
Homocysteine	8.8	0.0-15.0 umol/L

INSULIN	04/08/2022 05:55	
<b>Insulin, Total</b>	<b>24.9</b>	<b>H 1.9-23.0 uIU/mL</b>

VITAMIN D, 25-OH (TOTAL D2/D3) 04/08/2022 07:32  
 Vitamin D, 25-Hydroxy, Total 61.4 30-80 ng/mL  
**NOTE:**  
 Deficiency: <20 ng/mL  
 Insufficiency: 20-29 ng/mL  
 Optimum Level: 30-80 ng/mL  
 Possible Toxicity: >80 ng/mL  
 Most patients with toxicity have levels >150 ng/mL.

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<b>ACCOUNT:</b>	
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INSULIN-LIKE GROWTH FACTOR-1 (IGF-1)      04/12/2022 12:35  
 Insuline Like Growth Factor188      52-328 ng/mL  
 Z Score (Male)      0.6      -2.0-2.0 SD

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute San Juan Capistrano. It has not been cleared or approved by FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

Performing Organization Information:  
 Site ID: EZ  
 Name: Quest Diagnostics/Nichols SJC-San Juan Capistrano,  
 Address: 33608 Ortega Hwy San Juan Capistrano, CA 92675-2042  
 Director: Irina Maramica MD, PhD, MBA

T3 REVERSE, LC/MS/MS      04/20/2022 15:31  
 T3, Reverse      12      8-25 ng/dL

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute San Juan Capistrano. It has not been cleared or approved by FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

Performing Organization Information:  
 Site ID: EZ  
 Name: Quest Diagnostics/Nichols SJC-San Juan Capistrano,  
 Address: 33608 Ortega Hwy San Juan Capistrano, CA 92675-2042  
 Director: Irina Maramica MD, PhD, MBA