



|                               |                                       |
|-------------------------------|---------------------------------------|
| <b>Patient:</b> Test, Patient | <b>Acc #:</b> 2420228                 |
| Patient #: MDT-279063         | Birth: 1/1/1990                       |
| Doctor: Test, Provider        | Age: 34 years                         |
|                               | Gender: Female                        |
|                               | Collection Date: 8/16/2024 8:00 AM    |
|                               | Received in Lab: 8/16/2024 9:00 AM SB |

| Test Name                              | In Range | Out of Range | Flag | Units    | Reference Range |
|--|----------|--------------|------|----------|-----------------|
| <b>Complete Blood Count w/Diff</b>     |          |              |      |          |                 |
| <i>Run by: SB on 8/16/2024 9:36 AM</i> |          |              |      |          |                 |
| WBC                                    | 7.9      |              |      | x10E3/uL | 4.0- 10.5       |
| RBC                                    | 4.58     |              |      | x10E6/uL | 3.70- 5.00      |
| Hemoglobin                             | 13.5     |              |      | g/dL     | 11.5- 15.0      |
| Hematocrit                             | 40.4     |              |      | %        | 34.0- 44.0      |
| MCV                                    | 88.0     |              |      | fl       | 80.0- 100.0     |
| MCH                                    | 29.4     |              |      | pg.      | 26.0- 34.0      |
| MCHC                                   | 33.3     |              |      | %        | 33.0- 37.0      |
| RDW                                    | 13.5     |              |      | %        | 11.6- 14.4      |
| Platelets                              | 229      |              |      | x10E3/uL | 150- 400        |
| MPV                                    | 10.1     |              |      | fL       | 7.4- 11.9       |
| Neutrophils %                          | 50.9     |              |      | %        | 39.0- 88.0      |
| Lymphs %                               | 37.2     |              |      | %        | 14.0- 52.0      |
| Monocytes %                            | 8.2      |              |      | %        | 0.0- 9.0        |
| Eos %                                  | 2.6      |              |      | %        | 0.0- 7.0        |
| Basos %                                | 1.1      |              |      | %        | 0.0- 2.0        |
| Neutrophils (Absolute)                 | 4.02     |              |      | x10E3/uL | 2.00- 8.10      |
| Lymphs (Absolute)                      | 2.94     |              |      | x10E3/uL | 0.90- 3.30      |
| Monocytes (Absolute)                   | 0.65     |              |      | x10E3/uL | 0.00- 0.80      |
| Eosinophils (Absolute)                 | 0.21     |              |      | x10E3/uL | 0.00- 0.50      |
| Basophils (Absolute)                   | 0.09     |              |      | x10E3/uL | 0.00- 0.20      |
| <b>Comprehensive Metabolic Panel</b>   |          |              |      |          |                 |
| <i>Run by: SB on 8/16/2024 9:24 AM</i> |          |              |      |          |                 |
| Creatinine, Serum                      | 1.10     |              |      | mg/dL    | 0.60- 1.30      |
| Glucose                                | 89       |              |      | mg/dL    |                 |
| Calcium                                | 9.4      |              |      | mg/dL    | 8.4- 10.7       |
| Carbon Dioxide (CO2)                   | 27       |              |      | mmol/L   | 22- 29          |
| Chloride                               | 102      |              |      | mmol/L   | 98- 107         |
| Potassium                              | 4.1      |              |      | mmol/L   | 3.4- 5.3        |
| Sodium                                 | 136      |              |      | mmol/L   | 135- 145        |
| BUN (Blood Urea Nitrogen)              | 18       |              |      | mg/dL    | 7- 18           |
| BUN:Creatinine Ratio                   | 16.4     |              |      |          | 6.0- 22.0       |
| Protein, Total                         | 7.1      |              |      | g/dL     | 6.0- 8.2        |
| Albumin                                | 4.6      |              |      | g/dL     | 3.2- 5.5        |
| Globulin (calc)                        | 2.5      |              |      | g/dL     | 1.9- 3.7        |
| Albumin : Globulin Ratio               | 1.8      |              |      |          | 1.2- 2.5        |
| ALP (Alkaline Phosphatase)             |          | 34           | (L)  | IU/L     | 42- 128         |
| ALT (Alanine Aminotransferase)         | 17       |              |      | U/L      | 7- 50           |
| AST (Aspartate Aminotransferase)       | 20       |              |      | IU/L     | 10- 42          |
| Total Bilirubin                        | 0.6      |              |      | mg/dL    | 0.3- 1.1        |



|                               |                                       |
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|-----------|----------|--------------|------|-------|-----------------|
|-----------|----------|--------------|------|-------|-----------------|

**Comprehensive Metabolic Panel** Run by: SB on 8/16/2024 9:24 AM

|                      |      |  |  |   |  |
|----------------------|------|--|--|---|--|
| Estimated GFR (calc) | 60.4 |  |  | * |  |
|----------------------|------|--|--|---|--|

\* **Estimated GFR (calc)**  
*The units of measurement for this assay are mL/min/1.73m2*  
*(If patient is African American, multiply result by 1.210).*

*Normal: >= 90 mL/min/1.73m2*  
*Mild decrease: 60-89 mL/min/1.73m2*  
*Mild to Moderate decrease: 45-59 mL/min/1.73m2*  
*Moderate to Severe decrease: 30-44 mL/min/1.73m2*  
*Severe decrease: 15-29 mL/min/1.73m2*  
*Kidney Failure: <15 mL/min/1.73m2*

*The MDRD Formula for Calculation of the GFR was used.*

**Hemoglobin A1c** Run by: SB on 8/16/2024 9:23 AM

|                |     |  |     |   |      |
|----------------|-----|--|-----|---|------|
| Hemoglobin A1c | 5.4 |  | (N) | % | <5.7 |
|----------------|-----|--|-----|---|------|

*Prediabetes: 5.7 - 6.4*  
*Diabetes: >6.4*  
*Glycemic control for adults with diabetes: <7.0*

**Lipid Panel** Run by: SB on 8/16/2024 9:22 AM

|                    |     |  |     |       |        |
|--------------------|-----|--|-----|-------|--------|
| Cholesterol, Total | 211 |  | (H) | mg/dL | 0- 199 |
|--------------------|-----|--|-----|-------|--------|

|                 |    |  |  |       |     |
|-----------------|----|--|--|-------|-----|
| HDL Cholesterol | 50 |  |  | mg/dL | >40 |
|-----------------|----|--|--|-------|-----|

*The test for high-density lipoprotein cholesterol (HDL-C) is used along with other lipid tests to identify unhealthy levels of lipids and to determine the risk of developing heart disease.*

*Based on many epidemiologic studies, HDL-C of 40 mg/dL or higher is associated with a less than average risk of heart disease. The National Cholesterol Education Panel Adult Treatment Guidelines suggest that an HDL cholesterol value greater than 40 mg/dL is protective and should be treated as a negative risk factor. However, some recent studies suggest that high HDL-C is not universally protective.*

|                         |     |  |     |       |      |
|-------------------------|-----|--|-----|-------|------|
| LDL Cholesterol (calc.) | 140 |  | (H) | mg/dL | <100 |
|-------------------------|-----|--|-----|-------|------|

*Optimal: <100 mg/dL*  
*Near optimal: 100-129 mg/dL*  
*Borderline high: 130-159 mg/dL*  
*High: 160-189 mg/dL*  
*Very high: >189 mg/dL*

*Elevated levels of LDL cholesterol can indicate risk for heart disease, so an LDL-C result is evaluated with respect to the upper limits that are desired based on individual risk factors.*

*LDL-C levels may also be ordered at regular intervals to evaluate the success of lipid-lowering lifestyle changes, such as diet and exercise, or to determine the effectiveness of drug therapy such as statins.*

|                       |     |  |  |  |      |
|-----------------------|-----|--|--|--|------|
| Cholesterol:HDL Ratio | 4.2 |  |  |  | <5.0 |
|-----------------------|-----|--|--|--|------|

|                             |     |  |     |       |        |
|-----------------------------|-----|--|-----|-------|--------|
| Non-HDL Cholesterol (calc.) | 161 |  | (H) | mg/dL | 0- 159 |
|-----------------------------|-----|--|-----|-------|--------|



|                 |                      |         |               |                                       |
|-----------------|----------------------|---------|---------------|---------------------------------------|
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|--|----------|--------------|------|-------|---------------------------|
| <b>Lipid Panel</b>   |          |              |      |       |                           |
| Triglycerides  | 105      |              |      | mg/dL | 0- 149                    |
| <i>High triglyceride levels are associated with an increased risk of developing heart disease.</i> |          |              |      |       |                           |
| <b>T4, Total</b>   |          |              |      |       |                           |
| T4, Total  | 8.72     |              |      | ug/dL | 6.09- 12.23               |
| <b>Thyroid Uptake</b>  |          |              |      |       |                           |
| Thyroid Uptake   | 42.4     |              |      | %     | 32.0- 48.4                |
| <b>Urinalysis</b>  |          |              |      |       |                           |
| Color  | Yellow   |              |      |       |                           |
| Appearance   | Clear    |              |      |       |                           |
| Glucose  | Negative |              |      |       | Negative                  |
| Bilirubin  | Negative |              |      |       | Negative                  |
| Ketones  | Negative |              |      |       | Negative                  |
| Specific Gravity   | 1.020    |              |      |       |                           |
| <i>Reference Range: - 1.005 -1.03</i>  |          |              |      |       |                           |
| Blood  | Negative |              |      |       | Negative<br>5-10 (Ery/uL) |
| pH   | 6.0      |              |      |       | 4.5- 8.0                  |
| Protein  | Negative |              |      |       | Negative                  |
| Urobilinogen   | 0.2      |              |      |       | 0.2- 1.0                  |
| Nitrite  | Negative |              |      |       | Negative                  |
| Leukocyte Esterase   | Negative |              |      |       | Negative                  |

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