

Date Collected: 12/12/2024

Date Received: 12/12/2024

Date Reported: 12/27/2024

Fasting: No

Ordered Items: **Comp. Metabolic Panel (14); Lipid Panel w/ Chol/HDL Ratio; Estradiol, Free Serum; Testosterone, Free+Total LC/MS; DHEA-Sulfate, Serum; Hemoglobin A1c; Luteinizing Hormone(LH); Prolactin; IGF-1; Growth Hormone, Serum; Sex Horm Binding Glob, Serum; Venipuncture**

Date Collected: 12/12/2024

### Comp. Metabolic Panel (14)

| Test                                | Current Result and Flag | Previous Result and Date | Units       | Reference Interval |
|-------------------------------------|-------------------------|--------------------------|-------------|--------------------|
| Glucose <sup>01</sup>               | 84                      | <b>106</b> 10/03/2024    | mg/dL       | 70-99              |
| ▲ BUN <sup>01</sup>                 | <b>28</b> High          | <b>26</b> 10/03/2024     | mg/dL       | 6-24               |
| ▲ Creatinine <sup>01</sup>          | <b>1.44</b> High        | 1.12 10/03/2024          | mg/dL       | 0.76-1.27          |
| eGFR                                | 61                      | 83 10/03/2024            | mL/min/1.73 | >59                |
| BUN/Creatinine Ratio                | 19                      | <b>23</b> 10/03/2024     |             | 9-20               |
| Sodium <sup>01</sup>                | 142                     | 141 10/03/2024           | mmol/L      | 134-144            |
| Potassium <sup>01</sup>             | 4.3                     | 4.6 10/03/2024           | mmol/L      | 3.5-5.2            |
| Chloride <sup>01</sup>              | 104                     | 101 10/03/2024           | mmol/L      | 96-106             |
| Carbon Dioxide, Total <sup>01</sup> | 25                      | 23 10/03/2024            | mmol/L      | 20-29              |
| Calcium <sup>01</sup>               | 9.2                     | 9.9 10/03/2024           | mg/dL       | 8.7-10.2           |
| Protein, Total <sup>01</sup>        | 6.7                     | 7.1 10/03/2024           | g/dL        | 6.0-8.5            |
| Albumin <sup>01</sup>               | 4.4                     | 4.7 10/03/2024           | g/dL        | 4.1-5.1            |
| Globulin, Total                     | 2.3                     | 2.4 10/03/2024           | g/dL        | 1.5-4.5            |
| Bilirubin, Total <sup>01</sup>      | 0.2                     | 0.5 10/03/2024           | mg/dL       | 0.0-1.2            |
| Alkaline Phosphatase <sup>01</sup>  | 65                      | 73 10/03/2024            | IU/L        | 44-121             |
| AST (SGOT) <sup>01</sup>            | 37                      | 35 10/03/2024            | IU/L        | 0-40               |
| ALT (SGPT) <sup>01</sup>            | 32                      | 30 10/03/2024            | IU/L        | 0-44               |

### Lipid Panel w/ Chol/HDL Ratio

| Test                             | Current Result and Flag | Previous Result and Date | Units | Reference Interval |
|----------------------------------|-------------------------|--------------------------|-------|--------------------|
| Cholesterol, Total <sup>01</sup> | 150                     | 169 12/02/2022           | mg/dL | 100-199            |
| Triglycerides <sup>01</sup>      | 51                      | 119 12/02/2022           | mg/dL | 0-149              |
| HDL Cholesterol <sup>01</sup>    | 47                      | <b>37</b> 12/02/2022     | mg/dL | >39                |
| VLDL Cholesterol Cal             | 11                      | 22 12/02/2022            | mg/dL | 5-40               |
| LDL Chol Calc (NIH)              | 92                      | <b>110</b> 12/02/2022    | mg/dL | 0-99               |
| T. Chol/HDL Ratio                | 3.2                     | 4.6 12/02/2022           | ratio | 0.0-5.0            |

Please Note:<sup>01</sup>

| 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   |
| 3X Avg. Risk      | 23.4 | 11.0  |

### Estradiol, Free Serum

| Test                                 | Current Result and Flag | Previous Result and Date | Units | Reference Interval |
|--------------------------------------|-------------------------|--------------------------|-------|--------------------|
| ▼ Estradiol, Serum, MS <sup>02</sup> | <b>3.7</b> Low          |                          | pg/mL |                    |

This test was developed and its performance characteristics

### Estradiol, Free Serum (Cont.)

determined by Labcorp. It has not been cleared or approved by the Food and Drug Administration.

Reference Range:  
Adult Males: 8.0 - 35

|   |     |   |
|---|-----|---|
| Free Estradiol, Percent <sup>02</sup>   | 2.2 | % |
| This test was developed and its performance characteristics determined by Labcorp. It has not been cleared or approved by the Food and Drug Administration. |     |   |
| Reference Range:<br>Adult Males: 1.7 - 5.4  |     |   |

|  |      |     |       |
|--|------|-----|-------|
| ▼ Free Estradiol, Serum <sup>02</sup>      | 0.08 | Low | pg/mL |
| Reference Range:<br>Adult Males: 0.2 - 1.5 |      |     |       |

### Testosterone, Free+Total LC/MS

| Test   | Current Result and Flag | Previous Result and Date | Units      | Reference Interval |
|--|-------------------------|--------------------------|------------|--------------------|
| Testosterone, Total, LC/MS <sup>A,03</sup>   | 732.8                   |                          | ng/dL      | 264.0-916.0        |
| This LabCorp LC/MS-MS method is currently certified by the CDC Hormone Standardization Program (HoSt). Adult male reference interval is based on a population of healthy nonobese males (BMI <30) between 19 and 39 years old. Travison, et.al. JCEM 2017,102;1161-1173. PMID: 28324103. |                         |                          |            |                    |
| Free Testosterone(Direct) <sup>01</sup>  | 12.8                    | 4.3                      | 10/03/2024 | pg/mL 6.8-21.5     |

### DHEA-Sulfate, Serum

| Test  | Current Result and Flag | Previous Result and Date | Units | Reference Interval |
|---|-------------------------|--------------------------|-------|--------------------|
| DHEA-Sulfate, LCMS <sup>02</sup>  | 129                     |                          | ug/dL |                    |
| This test was developed and its performance characteristics determined by Labcorp. It has not been cleared or approved by the Food and Drug Administration. |                         |                          |       |                    |
| Reference Range:<br>Adult Males (41 - 50y): 16 - 390  |                         |                          |       |                    |

### Hemoglobin A1c

| Test  | Current Result and Flag | Previous Result and Date | Units      | Reference Interval |
|---|-------------------------|--------------------------|------------|--------------------|
| Hemoglobin A1c <sup>01</sup>  | 5.3                     | 5.3                      | 12/02/2022 | % 4.8-5.6          |
| Please Note: <sup>01</sup>  |                         |                          |            |                    |
| Prediabetes: 5.7 - 6.4<br>Diabetes: >6.4<br>Glycemic control for adults with diabetes: <7.0 |                         |                          |            |                    |

### Luteinizing Hormone(LH)

| Test             | Current Result and Flag | Previous Result and Date | Units  | Reference Interval |
|------------------|-------------------------|--------------------------|--------|--------------------|
| LH <sup>01</sup> | 5.9                     |                          | mIU/mL | 1.7-8.6            |

### Prolactin

| Test                    | Current Result and Flag | Previous Result and Date | Units      | Reference Interval |
|-------------------------|-------------------------|--------------------------|------------|--------------------|
| Prolactin <sup>01</sup> | 9.5                     | 20.2                     | 10/03/2024 | ng/mL 3.9-22.7     |

