Fasting Reference Interval

**GLUCOSE**
- 102 H mg/dL
  - Reference Range: 65-99 (mg/dL)

**UREA NITROGEN (BUN)**
- 25 mg/dL
  - Reference Range: 7-25 (mg/dL)

**CREATININE**
- 1.02 mg/dL
  - Reference Range: 0.60-1.18 (mg/dL)

**eGFR NON-AFR. AMERICAN**
- 55 L/mL/min/1.73m²
  - Reference Range: > OR = 60 (mL/min/1.73m²)

**eGFR AFRICAN AMERICAN**
- >60 mg/dL
  - Reference Range: > OR = 60 (mL/min/1.73m²)

**BUN/CREATININE RATIO**
- NOT APPLICABLE
  - Reference Range: 6-22 ((calc))

Bun/Creatinine ratio is not reported when the BUN and creatinine values are within normal limits.

**SODIUM**
- 141 mmol/L
  - Reference Range: 135-146 (mmol/L)

**POTASSIUM**
- 5.1 mmol/L
  - Reference Range: 3.5-5.3 (mmol/L)

**CHLORIDE**
- 106 mmol/L
  - Reference Range: 98-110 (mmol/L)

**CARBON DIOXIDE**
- 23 mmol/L
  - Reference Range: 21-33 (mmol/L)

**CALCIUM**
- 10.6 H mg/dL
  - Reference Range: 8.6-10.2 (mg/dL)

**PROTEIN, TOTAL**
- 6.6 g/dL
  - Reference Range: 6.2-8.3 (g/dL)

**ALBUMIN**
- 4.4 g/dL
  - Reference Range: 3.6-5.1 (g/dL)

**GLOBULIN**
- 2.2 g/dL
  - Reference Range: 2.2-3.9 (g/dL (calc))

**ALBUMIN/GLOBULIN RATIO**
- 2.0
  - Reference Range: 1.0-2.1 ((calc))

**BILIRUBIN, TOTAL**
- 0.5 mg/dL
  - Reference Range: 0.2-1.2 (mg/dL)

**ALKALINE PHOSPHATASE**
- 169 H U/L
  - Reference Range: 33-130 (U/L)

**AST**
- 20 U/L
  - Reference Range: 10-35 (U/L)

**ALT**
- 25 U/L
  - Reference Range: 6-40 (U/L)

**TSI (THYROID STIMULATING IMMUNOGLOBULIN)**
- 161 H % baseline
  - Reference Range: <=125 (% baseline)

Thyroid stimulating immunoglobulins (TSI) can engage the TSH receptors resulting in hyperthyroidism in Graves' disease patients. TSI levels can be useful in monitoring the clinical outcome of Graves’ disease as well as assessing the potential for hyperthyroidism from maternal-fetal transfer. NOTE: A serum TSH level greater than 25 micro-International Units/mL can interfere with the TSI bioassay and potentially give higher TSI results.

This test was developed and its 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. The FDA has determined that such clearance or approval is not necessary. Performance characteristics refer to the analytical performance of the test.
**LIPID PANEL**

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
<th>Reference Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHOLESTEROL, TOTAL</td>
<td>182</td>
<td>125-200 (mg/dL)</td>
</tr>
<tr>
<td>HDL CHOLESTEROL</td>
<td>62</td>
<td>&gt; OR = 46 (mg/dL)</td>
</tr>
<tr>
<td>TRIGLYCERIDES</td>
<td>129</td>
<td>&lt;150 (mg/dL)</td>
</tr>
<tr>
<td>LDL-CHOLESTEROL</td>
<td>94</td>
<td>&lt;130 (mg/dL (calc))</td>
</tr>
<tr>
<td>CHOL/HDLC RATIO</td>
<td>2.9</td>
<td>&lt; OR = 5.0 (calc))</td>
</tr>
</tbody>
</table>

Desirable range <100 mg/dL for patients with CHD or diabetes and <70 mg/dL for diabetic patients with known heart disease.

**CBC (INCLUDES DIFF/PLT)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
<th>Reference Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHITE BLOOD CELL COUNT</td>
<td>7.0</td>
<td>3.8-10.8 (Thousand/uL)</td>
</tr>
<tr>
<td>RED BLOOD CELL COUNT</td>
<td>4.09</td>
<td>3.80-5.10 (Million/uL)</td>
</tr>
<tr>
<td>HEMOGLOBIN</td>
<td>13.3</td>
<td>11.7-15.5 (g/dL)</td>
</tr>
<tr>
<td>HEMATOCRIT</td>
<td>39.8</td>
<td>35.0-45.0 (%)</td>
</tr>
<tr>
<td>MCV</td>
<td>97.5</td>
<td>80.0-100.0 (fL)</td>
</tr>
<tr>
<td>MCH</td>
<td>32.5</td>
<td>27.0-33.0 (pg)</td>
</tr>
<tr>
<td>MCHC</td>
<td>33.4</td>
<td>32.0-36.0 (g/dL)</td>
</tr>
<tr>
<td>RDW</td>
<td>13.6</td>
<td>11.0-15.0 (%)</td>
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<tr>
<td>PLATELET COUNT</td>
<td>252</td>
<td>140-400 (Thousand/uL)</td>
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<tr>
<td>ABSOLUTE NEUTROPHILS</td>
<td>4634</td>
<td>1500-7800 (cells/uL)</td>
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<tr>
<td>ABSOLUTE LYMPHOCYTES</td>
<td>1652</td>
<td>850-3900 (cells/uL)</td>
</tr>
<tr>
<td>ABSOLUTE MONOCYTES</td>
<td>504</td>
<td>200-950 (cells/uL)</td>
</tr>
<tr>
<td>ABSOLUTE EOSINOPHILS</td>
<td>175</td>
<td>15-500 (cells/uL)</td>
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<tr>
<td>ABSOLUTE BASOPHILS</td>
<td>35</td>
<td>0-200 (cells/uL)</td>
</tr>
<tr>
<td>NEUTROPHILS</td>
<td>66.2%</td>
<td>%</td>
</tr>
<tr>
<td>LYMPHOCYTES</td>
<td>23.6%</td>
<td>%</td>
</tr>
</tbody>
</table>
### Performing Sites

AMD Quest Diagnostics/Nichols Chantilly-Chantilly VA, 14225 Newbrook Drive, Chantilly, VA 20151-2228 Laboratory Director: Patrick W Mason M.D.,PhD  
TP Quest Diagnostics-Tampa, 4225 E Fowler Ave, Tampa, FL 33617-2026 Laboratory Director: Glen L Hortin

These results have been sent to the person that ordered the tests. Your receipt of these results should not be viewed as medical advice and is not meant to replace discussion with your doctor or other healthcare professional.

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<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>MONOCYTES</td>
<td>7.2 %</td>
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<tr>
<td>EOSINOPHILS</td>
<td>2.5 %</td>
<td></td>
</tr>
<tr>
<td>BASOPHILS</td>
<td>0.5 %</td>
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</tr>
</tbody>
</table>