VITAMIN B12, PLASMA/SERUM

Orderable – VTB12
Turnaround Time: 4 hours

Alternate Name(s):
Cobalamin
Cyanocobalamin

Specimen:

<table>
<thead>
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<th>Specimen</th>
<th>Adult</th>
<th>Pediatric</th>
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<tbody>
<tr>
<td></td>
<td>4.5 mL Green top Vacutainer tube</td>
<td>0-2 years: 0.5 mL Light Green top Microtainer</td>
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<td>Red, Gold, or Lavender top (EDTA) tubes are also acceptable</td>
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Collection Information:

Minimum volume of plasma or serum required is 700 µL for adult samples or 200 µL for pediatric samples.

Reference Ranges:

145 – 569 pmol/L

Interpretive Comments:

Necessary for normal hematopoiesis and requires intrinsic factor for normal absorption. Decreased in pernicious anemia and malabsorption syndromes.

Comments:

Biotin may interfere with this test. Samples should not be taken from patients receiving high biotin doses (i.e. > 5 mg/day) until at least 8 hours after the last biotin administration.