

VITAMIN
B12,
PLASMA/
SERUM

Orderable – VTB12

Turnaround Time: 4 hours

Alternate Name(s):

Cobalamin
Cyanocobalamin

Specimen:

Adult	Pediatric
4.5 mL Green top Vacutainer tube	0-2 years: 0.5 mL Light Green top Microtainer 2-10 years: 3 mL Light Green top Vacutainer tube
Red, Gold, or Lavender top (EDTA) tubes are also acceptable	

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.



Laboratory:
Core Lab



Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Roche
Electrochemiluminescence



Test Schedule:
As required