

VITAMIN  
B12,  
PLASMA/  
SERUM

## Orderable – VTB12

Turn Around Time: 4 hours

### Alternate Name(s):

Cobalamin  
Cyanocobalamin

### Specimen:

Adult	Pediatric
4.5 mL Light Green top (Li-Heparin) 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 (EDTA) top 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