

Patient Name : Demo Patient Name
Age / Sex : 23 Y / F
Referred By : DEMO HOSPITAL
Centre : HOD Head Office

Lab No : Demo Visit No
Registration On : 12-Aug-25 08:02
Patient ID : UHID.DEMO.001

B12 Combo (Active B12 & Total B12)				Serum Sample
Accession No: DEMO_BARCODE		Collected On: 12-Aug-25 08:02	Received On: 12-Aug-25 11:45	Approved On: 12-Aug-25 15:27
Observation	Result	Unit	Biological Ref. Interval	Method
Vitamin B-12	525	pg/mL	239-931	CLIA
Active B12	143.12	pmol/L	27.24-169.62	CLIA

Interpretation: Vitamin B12 (Cobalamin) in serum is bound to two proteins: Transcobalamin (TC) and Haptocorrin (HC). The transcobalamin-vitamin B12 complex is called Holotranscobalamin (HoloTC). HoloTC contains the biologically available cobalamin as only HoloTC promotes the uptake of cobalamin by all cells via specific receptors. In comparison, approximately 80% of the cobalamin carried by HC is considered metabolically inert because no cellular receptors exist, with the exception of receptors found in the liver. The shorter circulating half-life of HoloTC compared to Holohaptocorrin (HoloHC) makes a decrease of HoloTC one of the earliest markers of cobalamin deficiency.

Remarks: Please correlate results clinically.



This is a Demo Signature
and the doctor's signature should appear here

In case of any unexpected or alarming results, please contact us immediately for re-confirmation, clarifications, and rectifications, if needed.

