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Patient Name	:		
DOB/Age/Gender	:	Bill Date	:
Patient ID / UHID	:	Sample Collected	:
Referred By	:	Sample Received	:
Sample Type	:	Report Date	:
Barcode No	:	Report Status	:

Test Description	Value(s)	Unit(s)	Reference Range

BIOCHEMISTRY REPORT

Active Vitamin B12 (Holotranscobalmin)

Holotranscobalamin (Active Vitamin B12) Method : (Serum,CMIA)	92.1	pMol/L	25.10 - 165.00

Interpretation:

Presence of heterophilic antibodies in the sample may interfere with assay & produce anomalous results. Patients routinely exposed to animals or to animal serum products can be prone to this interference.

Comment

Vitamin B12 (cobalamin) in serum is bound to two proteins: transcobalamin (TC) and haptocorrin (HC). The transcobalamin-vitamin B12 complex is called holotranscobalamin (HoloTC) or Active B12. HoloTC carries only 10-20% of Vitamin B12 whereas 80% of the cobalamin is carried by HC. The fact that only Vitamin B-12 that binds to transcobalamin is available for cells has fostered the concept that measurement of holoTC would be more meaningful than measurement of total vitamin B-12 (all of the vitamin B-12 that binds to transcobalamin and haptocorrin). Holo TC is a more sensitive marker of Vitamin B12 deficiency than total Vitamin B12 as its levels decreases before alterations in the other Vitamin B-12 status markers.

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2. It is to be presumed that the tests performed pertain to the specimen/sample attributed to the Customer's name or identification. It is presumed that the verification particulars have been cleared out by the customer or his/her representation at the point of generation of said specimen / sample. It is hereby clarified that the reports furnished are restricted solely to the given specimen only.

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