

**Age/Sex : 37 Yrs. / F**

#### **TSH (Thyroid Stimulating Hormone)**

Test	Result	Unit	Biological Ref. Range
TSH (ultra) :	<b>4.96</b>	mIU/mL	0.30 - 4.5 mIU/mL

**Method:** Chemi-Luminescence ImmunoAssay (CLIA)

#### **Reference ranges:-**

FOR PREGNANT WOMEN	T3 (ng / dl )	T4 (ng / dl )	TSH (ulU/ml )
1 st TRIMESTER	81.1 -176.6	5.61 – 13.3	0.0878 – 2.8
2 nd TRIMESTER	92.8 – 205.1	7.36 14.18	0.1998 – 2.8
3 rd TRIMESTER	90.9 – 205.1	7.37 – 15.02	0.307 – 2.9

REF: 1. TIETZ fundamentals of clinical chemistry 2 . guidelines of the American thyroid association during pregnancy and postpartum , 2011

#### **VITAMIN B12**

Test	Result	Unit	Biological Ref. Range
VITAMIN B12 :	<b>370.0</b>	pg/mL	110-800 pg/mL

**METHOD :-** Chemi-Luminescence Immunoassay (CLIA).

**Clinical significance:** Vitamin B12 or Cyanocobalamin, is a complex corrinoid compound found exclusively from animal dietary sources, such as meat eggs and milk. It is critical in normal DNA synthesis, which in turn affects erythrocyte maturation and in the formation of myelin sheath. Vitamin-B12 is used to find out neurological abnormalities and impaired DNA synthesis associated with macrocytic anemias.

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