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Sample Collected At : C000000808-QUALITY CHECK

Bhopal
Madhya Pradesh, INDIA

Name	: DUMMY	Age/Gender	: 25 Years/MALE
Reg No	: 0001EA021763	Barcode No	: E1100001094
Sample Coll Dt	: 31-01-2026 10:09 AM	Reg Date	: 31-01-2026 01:28 PM
Sample Rcv Dt	: 31-01-2026 01:28 PM	Reported Date	: 31-01-2026 02:45 PM
Report Status	: Final	Referred By	: SELF

Tests	Results	Biological Ref Range	Units	Method
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BIOCHEMISTRY

BETA HCG, TOTAL, SERUM

BETA HCG	2.3	0 - 500000	mIU/mL	CLIA
Specimen:	SERUM			

Beta hCG is initially secreted by the trophoblastic cells of the placenta shortly after implantation of the fertilized ovum into the uterine wall, levels of the hormone in normal non-pregnant individuals are low to undetectable. Concentrations of β hCG measured in the sera of non-pregnant individuals, as reported in the literature, are < 5 mIU/mL. The rapid rise in hCG serum levels after conception makes it an excellent marker for early confirmation and monitoring of pregnancy.

β hCG levels between 5 mIU/mL and 25 mIU/mL may be indicative of early pregnancy. Values for β hCG generally peak during the first trimester and decline slowly throughout the remainder of the pregnancy.

Reference Range for females:

Weeks of pregnancy	Normal values in mIU/mL
1st Trimester	
3-4 weeks	9-130
4-5 weeks	75-2600
5-6 weeks	850-20800
6-7 weeks	4000-100200
7-12 weeks	11500-289000
12-16 weeks	18300-137000
16-29 weeks	1400-53000
2nd Trimester	
29-41 weeks	940-60000

Reference range for Males and Non-pregnant Females= 0-5 mIU/ml.

Beta HCG is also used as a tumour marker for cancers including seminoma, choriocarcinoma, germ cell tumors, hydatidiform mole, choriocarcinoma, and islet cell tumour. Normal values are < 5 mIU/mL., when evaluated as a tumour marker.

False elevations (phantom HCG) may occur in patients with heterophilic antibodies, in patients who have been exposed to animal antigens either in the environment or as a part of any treatment/imaging procedure. These antibodies interfere with the testing and produce unreliable results.

** End Of Report**

This report is not subject to use for any medico-legal purposes

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