



To Authenticate Scan QR Code

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
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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  $\beta$  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.  $\beta$  hCG levels between 5 mIU/mL and 25 mIU/mL may be indicative of early pregnancy. Values for  $\beta$  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
<b>1 st Trimester</b>	
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
<b>2nd Trimester</b>	
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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