



Labsmart Software Sample Letterhead

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<https://www.yourlabname.in/>**Mr. Dummy**

Age / Sex : 28 YRS / M
Referred by : Dr. Sachin Patil (MBBS)
Reg. no. : 1091



1091

Registered on : 18/11/2024 05:21 PM
Collected on : 18/11/2024
Received on : 18/11/2024
Reported on : 18/11/2024 05:21 PM

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**SEROLOGY & IMMUNOLOGY**

TEST	VALUE	UNIT	REFERENCE
BETA HUMAN CHORIONIC GONODOTROPIN (HCG)	2.87	mIU/mL	

Physiological Basis:

Human chorionic gonadotropin (hCG) is a glycoprotein made up of two subunits (α and β). Serum hCG can be detected as early as 24 hours after implantation at a concentration of 5 mIU/mL. During normal pregnancy, serum levels double every 2–3 days and are 50–100 mIU/mL at the time of the first missed menstrual period. Peak levels are reached 60–80 days after the last menstrual period (LMP) (30,000–100,000 mIU/mL), and levels then decrease to a plateau of 5,000–10,000 mIU/mL at about 120 days after LMP and persist until delivery.

Interpretation:

Increased in: Pregnancy (including ectopic pregnancy), hyperemesis gravidarum, trophoblastic tumors (hydatidiform mole, choriocarcinoma), some germ cell tumors (teratomas, seminoma), ectopic hCG production by other malignancies.

Decreasing Over time: Threatened abortion

Comments:

Test is positive (>50 mIU/mL) in most pregnant women at the time of or shortly after the first missed menstrual period. Quantitative hCG test detects hCG levels as low as 1.0 mIU/mL. It is preferred for the evaluation of suspected ectopic pregnancy and threatened abortion. In both situations, hCG levels fail to demonstrate the normal early pregnancy increase. Test is also indicated for following the course of trophoblastic and germ cell tumors.

~~~ End of report ~~~

Mr. Sachin Sharma  
DMLT, Lab Incharge

Dr. A. K. Asthana  
MBBS, MD Pathologist

**NOT VALID FOR MEDICO LEGAL PURPOSE**

Work timings: Monday to Sunday, 8 am to 8 pm

Please correlate clinically. Although the test results are checked thoroughly, in case of any unexpected test results which could be due to machine error or typing error or any other reason please contact the lab immediately for a free evaluation.