Patient Name :	Demo Patient Name	**Lab No :**	Demo Visit No
Age / Sex :	33 Y / F	**Registration On :**	21-Jan-25 15:47
Referred By :	DEMO HOSPITAL	**Patient ID :**	UHID.DEMO.001
Centre :	HOD Head Office		

Beta HCG — Serum Sample

Accession No: DEMO_BARCODE   **Collected On:** 21-Jan-25 15:47   **Received On:** 21-Jan-25 18:51   **Approved On:** 21-Jan-25 20:55

Observation	Result	Unit	Biological Ref. Interval	Method
Beta HCG	78.19	mIU/mL		C.L.I.A.

Biological Reference Range:
Men & Non Pregnant Woman: <5.0 mIU/ml
During Pregnancy:

Trimester	Gestation(Weeks)	Range (mIU/ml)
1st	4	5 - 100
1st	5	200 - 3000
1st	6	10,000 - 80,000
1st	7-14	90,000 - 5,00,000
1st	15-26	5000 - 80,000
1st	27-40	3000 - 15000

Trophoblstic disease > 10,000 mIU/ml

Clinical Significance of Beta HCG:
The detection of HCG in urine or blood within 3-4 weeks of the last menstrual blood in the most reliable indicator for the confirmation of pregnancy. HCG in initially secreted by the trophoblast, and later by the chorion and placenta. Levels rise exponentially to a peak during the first trimester, declining to a plateau during the second and third trimesters. Measurement of HCG has also been applied in the diagnosis of ectopic pregnancy, threatened abortion, and multiple gestation. HCG levels may also be elevated in patients with neoplasms, which may or may not be of trophoblastic origin, e.g. cancers of the small intestines, lungs, testes, breast and prostate, hydatidiform mole, choriocarcinoma and cerebral metastases.5-7 measurement of circulating HSG levels can be useful in monitoring the treatment of these conditions.

Important Note:
Detection of very low levels of HCG does not exclude pregnancy. A further sample should be tested after 48 Hours if pregnancy is suspected.

Remarks: Please correlate with clinical conditions.

This is a **Demo Signature**
and the doctor's signature should appear here

In case of any unexpected or alarming results, please contact us immediately for re-confirmation, clarifications, and rectifications, if needed.

Scan to Validate