

**Dr. Vinay Chopra**  
 MD (Pathology & Microbiology)  
 Chairman & Consultant Pathologist

**Dr. Yugam Chopra**  
 MD (Pathology)  
 CEO & Consultant Pathologist

<b>NAME</b>	: Mrs. RANJIT KAUR	<b>PATIENT ID</b>	: 1689549
<b>AGE/ GENDER</b>	: 30 YRS/FEMALE	<b>REG. NO./LAB NO.</b>	: 012412030047
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 03/Dec/2024 02:47 PM
<b>REFERRED BY</b>	: LOOMBA HOSPITAL (AMBALA CANTT)	<b>COLLECTION DATE</b>	: 03/Dec/2024 03:53PM
<b>BARCODE NO.</b>	: 01521918	<b>REPORTING DATE</b>	: 03/Dec/2024 05:13PM
<b>CLIENT CODE.</b>	: KOS DIAGNOSTIC LAB		
<b>CLIENT ADDRESS</b>	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
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## ENDOCRINOLOGY


### BETA HCG - TOTAL (QUANTITATIVE): MATERNAL


BETA HCG TOTAL, PREGNANCY MATERNAL: < 1.20 mIU/mL < 5.0  
 SERUM  
 by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)

#### INTERPRETATION:

MEN:	mIU/ml	< 2.0
NON PREGNANT PRE-MENOPAUSAL WOMEN:	mIU/ml	< 5.0
MENOPAUSAL WOMEN:	mIU/ml	< 7.0
BETA HCG EXPECTED VALUES IN ACCORDANCE TO WEEKS OF GESTATIONAL AGE		
WEEKS OF GESTATION	Unit	Value
4-5	mIU/ml	1500 - 23000
5-6	mIU/ml	3400 - 135300
6-7	mIU/ml	10500 - 161000
7-8	mIU/ml	18000 - 209000
8-9	mIU/ml	37500 - 219000
9-10	mIU/ml	42800 - 218000
10-11	mIU/ml	33700 - 218700
11-12	mIU/ml	21800 - 193200
12-13	mIU/ml	20300 - 166100
13-14	mIU/ml	15400 - 190000
2rd TRIMESTER	mIU/ml	2800 - 176100
3rd TRIMESTER	mIU/ml	2800 - 144400



  
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1.hCG is a Glycoprotein with alpha and beta chains. Beta subunit is specific to hCG.  
 2.It is largely secreted by trophoblastic tissue. Small amounts may be secreted by fetal tissues and by the adult ant pituitary.  
**INCREASED :**  
 1.Pregnancy  
 2.Gestationalsite & Non gestational trophoblastic neoplasia.  
 3.In mixed germ cell tumors.

**SIGNIFICANTLY HIGHER THAN EXPECTED LEVEL:**

1.Multiple pregnancies & High risk molar pregnancies are usually associated with levels in excess of one lac mIU/ml.  
 2.Erythroblastosis fetalis & Downs syndrome.

**DECREASED:**

1.Ectopic pregnancy.  
 2.Intra-uterine fetal death.

**NOTE:**

1.The test becomes positive 7-9 days after the midcycle surge that precedes ovulation (time of blastocyst implantation). Blood levels rise rapidly after this and double every 1.4 - 2 days.  
 2.Peak values are usually seen at 60-80 days of LMP. The levels then begin to taper and ebb out around the 20th week. These low levels are then maintained throughout pregnancy.  
 3.Doubling time: In intra-uterine pregnancy, serum hCG levels increase by approximately 66% every 48 hrs.Inappropriately rising serum hCG levels are suggestive of dying or ectopic pregnancy.

**CAUTION:**

Spuriously high levels (Phantom hCG) may be seen in presence of heterophilic antibodies (found in some normal people). If persistently raised levels are seen in a non-pregnant patient with no evidence of other obvious causes for such an increase a urine hCG assay may help confirm presence of the heterophile antibodies.

\*\*\* End Of Report \*\*\*



  
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