

Mrs - Neelam Jain 35/F  
D/o - A.I.C. Netam (MBBS, DGO)

Height - 5.1

Weight - 53 kg

Address as on -

LMP - 08-09-25

DOB - 11/03/1993

## PROCESSED AT :

Thyrocare  
D-37/1, TTC MIDC, Turbhe,  
Navi Mumbai-400 703



Thyrocare Technologies Limited, D-37/3, TTC MIDC, Turbhe, Navi Mumbai - 400703 | 98706 66333 | wellness@thyrocare.com

9 out of 10 Doctors Trust that Thyrocare Reports are Accurate & Reliable

NAME : NEELAM JAIN (33Y/F)  
REF. BY : DR A K NETAM  
TEST ASKED : DOUBLE MARKER FIRST TRIMESTER 8-13 WEEKS (FMF CERTIFIED)

SAMPLE COLLECTED AT :  
(209545),AADARSH PATHOLOGY LA,BUS STAND  
CHARODA NEAR BY SATYAM MEDICAL  
SHOP.,490025

## Report Availability Summary

**Note:** Please refer to the table below for status of your tests.

1 Ready

0 Ready with Cancellation

0 Processing

0 Cancelled in Lab

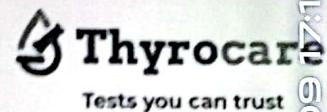
## TEST DETAILS

DOUBLE MARKER FIRST TRIMESTER 8-13 WEEKS (FMF)

## REPORT STATUS

Ready

**Note:** Report for DOUBLE MARKER FIRST TRIMESTER 8-13 WEEKS (FMF CERTIFIED) (Graph Report) will be shared separately

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TEST NAME	TECHNOLOGY	VALUE	UNITS
FREE BETA HCG	E.C.L.I.A	21.2	IU/L

**Bio. Ref. Interval. :-**

Pregnancy:	Cut off	Cut off	Weeks	Ranges	Weeks	Ranges
		risk for Downs syndrome or Trisomy 21				
	<35 years	>35 years				
10-11	: 45.60 - 54.53		Weeks	Ranges	Weeks	Ranges
11-12	: 37.30 - 44.28		10-11	: >210	10-11	: >92
12-13	: 31.27 - 36.30		11-12	: >162	11-12	: >80
13-14	: 27.52 - 30.60		12-13	: >130	12-13	: >68
			13-14	: >110	13-14	: >60

**Interpretation:**

Free BHCG is a glycoprotein hormone normally found in blood and urine only during pregnancy. It is secreted by placental tissue, beginning with primitive trophoblast, almost from the time of implantation, and serves to support the corpus luteum during early weeks of pregnancy. HCG or HCG like material is also produced by a variety of trophoblastic and non-trophoblastic neoplasia. Intact HCG is 39,500 Da molecule composed of two non-identical subunits alpha and beta that are bound to each other in a non-covalent manner. These subunits can also occur in a free or unbound form. Only intact HCG has biological activity. The HCG-alpha subunit is structurally identical to the alpha subunit of homologous pituitary glycoprotein hormones, luteinizing hormones, follicle stimulating hormone and thyroid stimulating hormone. The beta subunit is specific for each of these hormones, and confers upon them their differing biological activities. Maternal serum free BHCG assessment is reported to have significant utility in first and second trimester prenatal screening for Down syndrome and other chromosomal anomalies.

Specifications: Precision: Intra assay (%CV): 1.6, Inter assay (%CV): 3.8, Sensitivity: 0.3 IU/mL

Reference : Karl O. Kagan, Dave Wright, Catalina Valencia, Nerea Maiz, Kypros H. Nicolaides, Screening for trisomies 21, 18 and 13 by maternal age, fetal nuchal translucency, fetal heart rate, free  $\beta$ -hCG and pregnancy-associated plasma protein-A, Human Reproduction, Volume 23, Issue 9, 1 September 2008, Pages 1968-1975

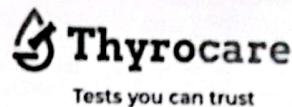
**Please correlate with clinical conditions.**

**Method:-** SANDWICH ELECTROCHEMILUMINESCENCE IMMUNOASSAY

**Sample Collected on (SCT)** : 08 Dec 2024 15:21  
**Sample Received on (SRT)** : 10 Dec 2024 06:02  
**Report Released on (RRT)** : 10 Dec 2024 08:06  
**Sample Type** : SERUM  
**Labcode** : 1012060027/PU396 Dr Renuka MD(Path)  
**Barcode** : DI512167

Dr Arshiya MD(Path)

Page : 1 of 3

**PROCESSED AT :****Thyrocare**D-37/1, TTC MIDC, Turbhe,  
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**REF. BY** : DR A K NETAM  
**TEST ASKED** : DOUBLE MARKER FIRST TRIMESTER 8-13 WEEKS  
 (FMF CERTIFIED)

**SAMPLE COLLECTED AT :**  
 (209545), AADARSH PATHOLOGY LA, BUS STAND  
 CHARODA NEAR BY SATYAM MEDICAL  
 SHOP., 490025

TEST NAME	TECHNOLOGY	VALUE	UNITS
PREGNANCY ASSOCIATED PLASMA PROTEIN A	E.C.L.I.A	1498	mIU/L

**Bio. Ref. Interval. :-**

Pregnancy:	Cut off	Cut off	risk for Downs syndrome or Trisomy 21
Weeks Ranges	<35 years	>35 years	
10-11 : 1180 - 1534	Weeks	Ranges	Weeks Ranges
11-12 : 1617 - 2301	10-11	: <1000	10-11 : <1200
12- 13 : 2445 - 3490	11-12	: <1040	11-12 : <1750
13-14 : 3694 - 5101	12-13	: <1450	12-13 : <2650
	13-14	: <1800	13-14 : <3390

**Interpretation**

Pregnancy-associated plasma protein-A (PAPP-A) was first identified as a high-molecular weight constituent in human pregnancy serum. PAPP-A is a metalloprotease which belongs to the metzincin super family of zinc peptidases. Insulin-like growth factor binding protein 4 (IGFBP-4) as well as IGFBP-5 have been found to be specific substrates for PAPP-A in vitro.

PAPP-A is widely recognized biochemical marker of Down syndrome (DS) used in the first trimester of pregnancy. PAPP-A level in maternal serum increases with gestational age until term. In case of DS pregnancy, PAPP-A concentration in the first trimester is markedly decreased.

Specifications: Precision: Intra assay (%CV): 5, Inter assay (%CV): 6.9, Sensitivity: <= 8 mIU/mL

**References:**

Patil M, Panchanadikar TM, Wagh G. Variation of papp-a level in the first trimester of pregnancy and its clinical outcome. J Obstet Gynaecol India. 2014 Apr;64(2):116-9.

Karl O. Kagan, Dave Wright, Catalina Valencia, Nerea Maiz, Kypros H. Nicolaides, Screening for trisomies 21, 18 and 13 by maternal age, fetal nuchal translucency, fetal heart rate, free  $\beta$ -hCG and pregnancy-associated plasma protein-A, Human Reproduction, Volume 23, Issue 9, 1 September 2008, Pages 1968-1975.

**Please correlate with clinical conditions.**

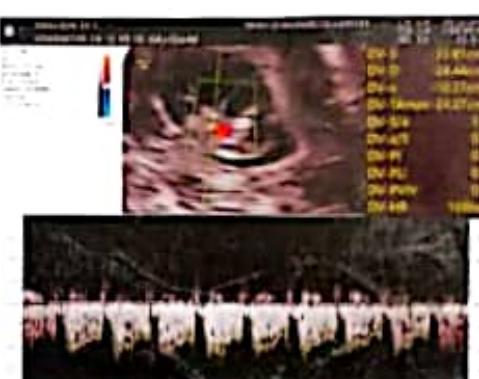
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~~ End of report ~~

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**Labcode** : 1012060027/PU396 Dr Renuka MD(Path)  
**Barcode** : DI512167

Dr Arshiya MD(Path)

Page : 2 of 3





आमंत्रण नम्बर / Registration Number : 443113193333/02572

To  
Neelam Jain  
नीलम जैन  
W/O. Dileep Jain  
ward no 09  
Sankra  
Sankra, Nagri, Dhamtari,  
Chhattisgarh - 493778  
8103396165  
28/1/2017



KA422287108FH

42228710



आपका Aadhaar क्रमांक / Your Aadhaar No. :

**4431 1319 3333**

**मेरा Aadhaar, मेरी पहचान**



जन्म तिथि / DOB: 01/03/1993  
गाहिला / Female



**4431 1319 3333**

**मेरा Aadhaar, मेरी पहचान**



**5D**

Live Colour Sonography

Patient's Name

Age/Sex

Consultant Doctor

MRS. NEELAM JAIN

35 Yrs/FEMALE

DR. A. K. NETAM MBBS DGO

Date

PT - ID

05-Dec-2024

YDC20241226631

## ULTRASOUND OF FEMALE PELVIS(PREGNANCY) OBSERVATION

*Bulky gravid uterus with well defined normal thickness gestational sac showing single live embryo of CRL 3.80 cm corresponding to 10 weeks 5 days.*

- Cardiac activity 166 bpm.
- Internal os closed.
- No suggestion of Ectopic pregnancy.
- No free fluid in cul-de-sac.
- Nt. 1mm
- Nasal bone seen 2.1mm.
- Ductus venosus normal flow & waveform.
- Placenta developing posterior.
- Cervical length 4.5cm

**IMPRESSION** – Single live intrauterine embryo of gestational age corresponding to 10 weeks and 5 days.  
(by LMP – 12 weeks and 4 days)  
EDD by USG – 28.06.2025

### PLEASE CORRELATE CLINICALLY

I Dr. Sanjiv Sahu declare that I have neither detected nor disclosed sex of the fetus to anybody in any manner in this examination

Dr. SANJIV Sahu M.D. M.B.B.S.  
Dr. Sanjiv Sahu M.D. M.B.B.S.  
Consultant Radiologist  
CGMC REG. -4750/2013

### Kindly Note

• Please intimate us for any typing mistake and send the report for correction within 7 days.  
The science of radiological diagnosis is based on the interpretation of various shadows produced by both the normal and abnormal tissues and are not always conclusive. Further biochemical and radiological investigation and clinically correlation is required to enable the clinician to reach the final diagnosis. The report and films are not valid for medico - legal purpose.

**ULTRA SOUND : PREGNANCY • ABDOMEN • PELVIS • ORBITS • THYROID • NECK • MUSCULO • SKELETAL • TVS • TRUS COLOUR  
DOPPLER : PREGNANCY • CAROTID • PERIPHERAL ARTERIAL/VENOUS • RENAL • PORTAL VEIN**

• THIS IS ONLY A PROFESSIONAL OPINION & NOT THE FINAL DIAGNOSIS • IT IS TO BE INTERPRETED IN CONJUNCTION WITH THE CLINICAL DATA & OTHER RELEVANT INVESTIGATIONS • NOT VALID FOR MEDICO LEGAL USE • ALL CONGENITAL ANOMALIES CAN NOT BE DIAGNOSED BY ULTRASOUND

Near Ambedkar Chowk, Rudri Road, Dhamtari 493773 (C.G.)