



# P K R JAIN HEALTHCARE INSTITUTE

NASIRPUR, Hissar Road, AMBALA CITY- (Haryana)

**A PIONEER DIAGNOSTIC CENTRE**

☎ 0171-2532620, 8222896961 ✉ pkrjainhealthcare@gmail.com

**NAME** : Mrs. SHABNAM SINGH  
**AGE/ GENDER** : 34 YRS/FEMALE  
**COLLECTED BY** :  
**REFERRED BY** :  
**BARCODE NO.** : 12504017  
**CLIENT CODE.** : P.K.R JAIN HEALTHCARE INSTITUTE  
**CLIENT ADDRESS** : NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA

**PATIENT ID** : 1572571  
**REG. NO./LAB NO.** : 122408060020  
**REGISTRATION DATE** : 06/Aug/2024 02:43 PM  
**COLLECTION DATE** : 06/Aug/2024 02:46PM  
**REPORTING DATE** : 07/Aug/2024 03:11PM

Test Name	Value	Unit	Biological Reference interval
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## ENDOCRINOLOGY

### DUAL MARKER MATERNAL SCREENING - TWIN PREGNANCY

#### DUAL MARKER TEST

#### PATEINT SPECIFICATIONS

DATE OF BIRTH	30-10-1990		
MATERNAL AGE	34.28	YEARS	
WEIGHT	61	Kg	
ETHNIC ORIGIN	ASIAN		ASIAN
H/O IVF	ABSENT		
H/O SMOKING	ABSENT		
H/O INSULIN DEPENDANT DIABETES	ABSENT		
H/O TRISOMY 21 SCREENING	ABSENT		

#### ULTRA SOUND SCAN DETAILS

DATE OF ULTRASOUND	06-08-2024
by ULTRASOUND SCAN	
METHOD FOR GESTATION AGE ESTIMATION	ULTRASOUND SCAN DETAILS
by ULTRASOUND SCAN	
FOETUS (NOS)	2
by ULTRASOUND SCAN	

#### FOETUS 1


CROWN RUMP LENGTH (CRL)	71.8	mm	38 - 84
by ULTRASOUND SCAN			
GESTATIONAL AGE BY CRL	13.2		
by ULTRASOUND SCAN			

#### FOETUS 2

CROWN RUMP LENGTH (CRL) - F2	69.9	mm	38 - 84
by ULTRASOUND SCAN			
GESTATIONAL AGE BY CRL - F2	13.1		
by ULTRASOUND SCAN			

#### DUAL MARKER - BIOCHEMICAL MARKERS



  
DR.VINAY CHOPRA  
CONSULTANT PATHOLOGIST  
MBBS, MD (PATHOLOGY & MICROBIOLOGY)

  
DR.YUGAM CHOPRA  
CONSULTANT PATHOLOGIST  
MBBS, MD (PATHOLOGY)





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PREGNANCY ASSOCIATED PLASMA PROTEIN A (PAPP-A) by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)	10000	mIU/L	
BETA HCG - FREE: SERUM by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)	48.8	ng/mL	
<b><u>MULTIPLE OF MEDIAN (MOM) VALUES</u></b>			
PAPP-A MOM by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)	1.7		
BETA HCG - FREE MOM by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)	1.18		
<b><u>TRISOMY 21 SCREENING (DOWNS SYNDROME) RISK ASSESSMENT</u></b>			
TRISOMY 21 SCREENING RISK RESULT by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)	NEGATIVE (-ve)		NEGATIVE (-ve)
TRISOMY 21 AGE RISK by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)	1:495 NEGATIVE (-ve)		
TRISOMY 21 BIOCHEMICAL RISK by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)	1:2248 NEGATIVE (-ve)		RISK CUT OFF 1:150
TRISOMY 21 COMBINED RISK (BIOCHEMICAL + NT) by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)	< 1:10000 NEGATIVE (-ve)		RISK CUT OFF 1:150
<b><u>TRISOMY 18 SCREENING RISK ASSESSMENT</u></b>			
TRISOMY 18 AGE RISK by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)	NEGATIVE (-ve)		
TRISOMY 13/18 SCREENING RISK by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)	< 1:10000 NEGATIVE (-ve)		RISK CUT OFF 1:100
<b><u>MULTIPLE OF MEDIANS (MOM) - F2</u></b>			
PAPP-A MOM - F2 by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)	1.78		
BETA HCG - FREE MOM - F2 by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)	1.14		
<b><u>TRISOMY 21 SCREENING (DOWNS SYNDROME) RISK ASSESSMENT - F2</u></b>			
TRISOMY 21 SCREENING RISK RESULT - F2 by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)	NEGATIVE (-ve)		NEGATIVE (-ve)
TRISOMY 21 AGE RISK - F2 by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)	1:494 NEGATIVE (-ve)		



  
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Test Name	Value	Unit	Biological Reference interval
TRISOMY 21 BIOCHEMICAL RISK - F2 by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)	1:2537 NEGATIVE (-ve)		RISK CUT OFF 1:150
TRISOMY 21 COMBINED RISK (BIOCHEMICAL + NT) - F2 by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)	< 1:10000 NEGATIVE (-ve)		RISK CUT OFF 1:150
<b>TRISOMY 18 SCREENING RISK ASSESSMENT - F2</b>			
TRISOMY 18 AGE RISK - F2 by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)	NEGATIVE (-ve)		
TRISOMY 13/18 SCREENING - F2 by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)	< 1:10000 NEGATIVE (-ve)		RISK CUT OFF 1:300

#### INTERPRETATION:

1. Double marker test (maternal serum screen – first trimester) is a prenatal test to screen for Trisomy 21 (down's syndrome) and Trisomy 13/18 during gestational period 8 – 13 weeks.

2. Besides the biochemical markers tested – maternal pregnancy associated plasma protein a (papp-a) & maternal free beta hcg, the risk is calculated combining usg measurement of nuchal translucency (nt), gestational age at the time of sample with other maternal factors as age, weight, h/o diabetes, smoking, race, twin pregnancies, use of assisted reproductive technologies (IVF).

#### **NOTE:**

1. This is only screening test based purely on statistical analysis which is further based on the data submitted; hence the correctness of data is vital for risk analysis.

2. A negative screen indicates a lower probability of having a baby with trisomy 21, trisomy 18 and neural tube defects, but does not completely exclude the possibility.

3. A positive screen on the contrary only indicates a higher probability of having a baby with trisomy 21, trisomy 18 and neural tube defects, and needs confirmation by cytogenetic studies and/or level ii scan.

4. The detection rate by this test is about 60%, with 5% false positive rate when assessment is done for only biochemical parameters and increase to 85 % with 5% false positive rate when both biochemical parameters and nt are combined for analysis.

5. Correlation with patient history, family history and detailed USG scan is required to decide further course of action in cases who have high risk statistically calculated by this test.

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



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DR. YUGAM CHOPRA  
CONSULTANT PATHOLOGIST  
MBBS, MD (PATHOLOGY)



### Basic Information

Name: SHABNAM SINGH FETUS Contact: Gender: Female  
Weight: 61.00 Kg Birthdate: 1990-10-30 Age of EDC: 34.28 Year  
Race: Asian Twins: No GA calc method: CRL Robinson  
LMP Day: Sender:

### Sample information

Send time: 2024-08-07 Sample NO.: 12504017 Scan Date: 2024-08-06  
Lab: Sample Date: 2024-08-06 GA: 13+2  
BPD: -- mm CRL length: 71.80 mm NT length: -- mm

### Assay

NO.	Item abbr	Result	Unit	MOM	Reference range
1	free-β-HCG	48.80	ng/ml	1.18	
2	PAPP-A	10000.00	mIU/L	1.70	

### Risk calculate

Age risk: 1:495

Parameter: Trisomy21

Risk: 1:2248

Cut Off: ( < 1:150 )

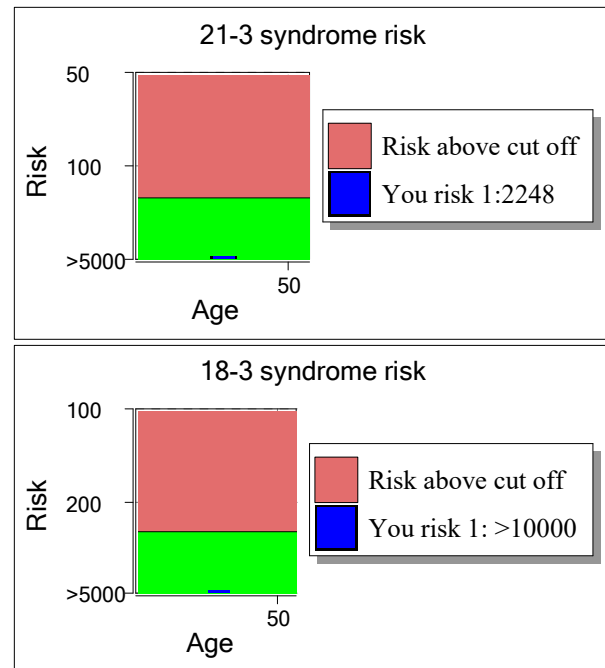
Screening Result: Negative

Parameter: Trisomy18/13

Risk: 1:1690277

Cut Off: ( < 1:300 )

Screening Result: Negative



Parameter:

Cut Off:

Screening Result:

**Advice:**Diagnostic results with less risk

Note: \*The basic information on the basis of Down's risk assessment in this report is provided at the time of your onsite. When you get this report, please first check whether your relevant information is correct. If there is any discrepancy, please contact your doctor in time, so as to feedback us the correct information and documents, then obtain the correct report.

\*The high risk and borderline risk of trisomy 21 or trisomy 18 requires further interventional prenatal diagnosis (from fetuses such as villus, amniotic fluid, cord blood, etc.); high risk of neural tube defect (NTD), please go to ultrasound prenatal diagnosis qualified hospitals use ultrasound to exclude.

\*The risk of NTD is only calculated at 14-22 weeks.

\*The screening result with low risk only shows that the chance of this kind of congenital abnormality in your fetus is less, and the possibility of this kind of abnormality or other abnormalities cannot be completely ruled out. Please consult a doctor in time after you get the report, and the doctor will follow your Risks and other conditions (whether you are older than 35 years old, whether you have had more than one child with other deformities, or have other diseases such as tumors) are comprehensively considered to suggest whether you need to take further examination to confirm the diagnosis.

**\*\*This report only can be reference and assistant for doctor, cannot directly give conclusion by this \*\***

Doctor:

Checked by :

Print date: 2024-08-07 14:59:28

### Basic Information

Name: SHABNAM SINGH FETUS Contact: Gender: Female  
Weight: 61.00 Kg Birthdate: 1990-10-30 Age of EDC: 34.28 Year  
Race: Asian Twins: No GA calc method: CRL Robinson  
LMP Day: Sender:

### Sample information

Send time: 2024-08-07 Sample NO.: 12504017 Scan Date: 2024-08-06  
Lab: Sample Date: 2024-08-06 GA: 13+1  
BPD: -- mm CRL length: 69.90 mm NT length: -- mm

### Assay

NO.	Item abbr	Result	Unit	MOM	Reference range
1	free-β-HCG	48.80	ng/ml	1.14	
2	PAPP-A	10000.00	mIU/L	1.78	

### Risk calculate

Age risk: 1:494

Parameter: Trisomy21

Risk: 1:2537

Cut Off: ( < 1:150 )

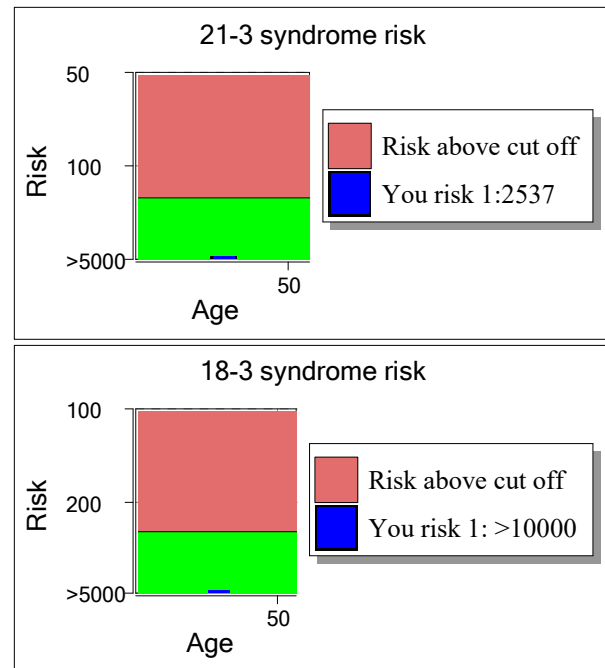
Screening Result: Negative

Parameter: Trisomy18/13

Risk: 1:1740583

Cut Off: ( < 1:300 )

Screening Result: Negative



Parameter:

Cut Off:

Screening Result:

**Advice:**Diagnostic results with less risk

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Doctor:

Checked by :

Print date: 2024-08-07 14:56:00