

KOS Diagnostic Lab

(A Unit of KOS Healthcare)



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

Dr. Yugam Chopra

MD (Pathology)

CEO & Consultant Pathologist

ASIAN

NAME : Mrs. SATVINDER KAUR

AGE/ GENDER : 26 YRS/FEMALE **PATIENT ID** : 1657128

COLLECTED BY : REG. NO./LAB NO. : 012410300028

 REFERRED BY
 : 30/Oct/2024 11:22 AM

 BARCODE NO.
 : 01519812
 COLLECTION DATE
 : 30/Oct/2024 11:24 AM

 CLIENT CODE.
 : KOS DIAGNOSTIC LAB
 REPORTING DATE
 : 31/Oct/2024 12:38 PM

CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

Test Name Value Unit Biological Reference interval

ENDOCRINOLOGY DUAL MARKER MATERNAL SCREENING

DUAL MARKER TEST

PATEINT SPECIFICATIONS

DATE OF BIRTH 28-08-1997

MATERNAL AGE 27.7 YEARS

WEIGHT 64.9 Kg

ETHNIC ORIGIN

H/O IVF

ABSENT

ABSENT

H/O SMOKING ABSENT
H/O INSULIN DEPENDANT DIABETES ABSENT
H/O TRISOMY 21 SCREENING ABSENT

ULTRA SOUND SCAN DETAILS

DATE OF ULTRASOUND 30-10-2024

by ULTRASOUND SCAN

METHOD FOR GESTATION AGE ESTIMATION ULTRASOUND SCAN DETAILS

by ULTRASOUND SCAN

FOETUS (NOS) 1

by ULTRASOUND SCAN

GA ON THE DAY OF SAMPLE COLLECTION 12.3 WEEKS

by ULTRASOUND SCAN
CROWN RUMP LENGTH (CRL) 59 mm 38 - 84

by ULTRASOUND SCAN

GESTATIONAL AGE BY CRL 12.3

NUCHAL TRANSLUCENCY (NT) 2.1 mm 0.1 - 6.0

by ULTRASOUND SCAN

NUCHAL TRANSLUCENCY (NT) MOM 1.36

by ULTRASOUND SCAN

by ULTRASOUND SCAN

DUAL MARKER - BIOCHEMICAL MARKERS

PREGNANCY ASSOCIATED PLASMA 2197.342 mIU/L

PROTEIN A (PAPP-A)

by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)



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

DR.YUGAM CHOPRA
CONSULTANT PATHOLOGIST



KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana KOS Molecular Lab: Ilnd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana



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Test Name	Value	Unit	Biological Reference interval
BETA HCG - FREE: SERUM by CLIA (CHEMILUMINESCENCE IMMUNOASSAY) MULTIPLE OF MEDIAN (MOM) VALUES	27.807	ng/mL	
PAPP-A MOM by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)	0.54		
BETA HCG - FREE MOM by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)	0.59		
TRICOMV 91 SCREENING (DOWNS SYNDROM)	E) DICK ACCECCMENT		

TRISOMY 21 SCREENING (DOWNS SYNDROME) RISK ASSESSMENT

TRISOMY 21 SCREENING RISK RESULT NEGATIVE (-ve) NEGATIVE (-ve)

by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)

TRISOMY 21 AGE RISK 1:1191 NEGATIVE (-ve) by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)

TRISOMY 21 BIOCHEMICAL RISK 1:6389 NEGATIVE (-ve) RISK CUT OFF 1:150

by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)

TRISOMY 21 COMBINED RISK (BIOCHEMICAL + NT) < 1:10000 NEGATIVE (-ve) RISK CUT OFF 1:150 by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)

TRISOMY 18 SCREENING RISK ASSESSMENT

NEGATIVE (-ve) TRISOMY 18 AGE RISK

by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)

TRISOMY 13/18 SCREENING RISK < 1:10000 NEGATIVE (-ve) RISK CUT OFF 1:300

by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)

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 nuchat 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 assissted reproductive technologies (IVF).

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 assesment 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.



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Test Name Value Unit **Biological Reference interval**

*** End Of Report ***



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

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



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Weight: 64.90 Kg Birthdate: 1997-08-28 Age of EDC: 27.70 Year Race: Asian Twins: No GA calc method: CRL Robinson	Name: S	SATVINDER KAU	R Co	ontact:		Gender: Female
Race: Asian Twins: No Sender: Sample information Sender: Sample information Send time: 2024-10-30 Sample NO.: 01519812 Scan Date: 2024-10-30 GA: 12+3 NT length: 2.10 mm Assay NO. Item abbr Result Unit MOM Reference range NO.: 0.54 NT length: 2.10 mm NT	~				8-28	
Sample information	•	0	Т	wins: No		
Scand time: 2024-10-30 Sample NO.: 01519812 Scan Date: 2024-10-30 GA: 12+3 BPD: - mm CRL length: 59.00 mm NT length: 2.10 mm Assay NO. Item abbr Result Unit MOM Reference range 1 free-β-HCG 27.81 ng/ml 0.59 Parameter: range 2 PAPP-A 2197.34 mlU/L 0.54 Parameter: Trisomy21 Risk: 1:6389 21-3 syndrome risk Cut Off: (< 1:150)	<u> </u>		Se	ender:		Greate method. CKL Roomson
Lab: Sample Date: 2024-10-30 GA: 12+3 BPD: mm CRL length: 59.00 mm NT length: 2.10 mm Assay NO. Item abbr Result Unit MOM Reference range 1 free-B-HCG 27.81 ng/ml 0.59 2 PAPP-A 2197.34 mIU/L 0.54 3 NT 2.10 mm 1.36 sk calculate Age risk: 1:1191 Parameter: Trisomy21 Risk: 1:6389 Cut Off: (< 1:150) Screaning Result: Negative Parameter: Trisomy18/13 Risk: 1:63538 Cut Off: (< 1:300) Risk above cut off You risk 1:51000 Risk above cut off You risk 1:51000						
NO. Item abbr Result Unit MOM Reference range	Send time: 2	024-10-30	Sample NO.: 01519812			Scan Date: 2024-10-30
No. Item abbr Result Unit MOM Reference range	Lab:		Samp	ole Date: 2024-10	-30	GA: 12+3
NO. Item abbr Result Unit MOM Reference range 1 free-β-HCG 27.81 ng/ml 0.59 2 PAPP-A 2197.34 mIU/L 0.54 3 NT 2.10 mm 1.36 sk calculate Age risk: 1:1191 Parameter: Trisomy21 Risk: 1:6389 Cut Off: (< 1:150) Screaning Result: Negative Parameter: Trisomy18/13 Risk: 1:63538 Cut Off: (< 1:300) Risk above cut off You risk 1:>10000	BPD:	mm	CR	L length: 59.00	mm	NT length: 2.10 mm
1 free-β-HCG 27.81 ng/ml 0.59 2 PAPP-A 2197.34 mIU/L 0.54 3 NT 2.10 mm 1.36 sk calculate Age risk: 1:1191 Parameter: Trisomy21 Risk: 1:6389 Cut Off: (< 1:150) Screaning Result: Negative Parameter: Trisomy18/13 Risk: 1:63538 Cut Off: (< 1:300) Risk above cut off You risk 1:>100 Risk above cut off You risk 1:>10000	Assay -					
2 PAPP-A 2197.34 mIU/L 0.54 3 NT 2.10 mm 1.36 sk calculate Age risk: 1:1191 Parameter: Trisomy21 Risk: 1:6389 Cut Off: (< 1:150) Screaning Result: Negative Parameter: Trisomy18/13 Risk: 1:63538 Cut Off: (< 1:300) Risk above cut off You risk 1:6389 Risk above cut off You risk 1:510000	NO.	Item abbr	Result	Unit	MOM	Reference range
3 NT 2.10 mm 1.36 Sk calculate	1 fr	ree-ß-HCG	27.81	ng/ml	0.59	
Age risk: 1:1191 Parameter: Trisomy21 Risk: 1:6389 Cut Off: (< 1:150) Screaning Result: Negative Parameter: Trisomy18/13 Risk: 1:63538 Cut Off: (< 1:300) 21-3 syndrome risk 70 Risk above cut off You risk 1:6389 18-3 syndrome risk Risk above cut off You risk 1:>1000 Risk above cut off You risk 1:>10000	2	PAPP-A	2197.34	mIU/L	0.54	
Age risk: 1:1191 Parameter: Trisomy21 Risk: 1:6389 Cut Off: (< 1:150) Screaning Result: Negative Parameter: Trisomy18/13 Risk: 1:63538 Cut Off: (< 1:300) 21-3 syndrome risk Fig. 100 Age 18-3 syndrome risk 100 Risk above cut off You risk 1:6389 Risk above cut off You risk 1:>10000	3	NT	2.10	mm	1.36	
Parameter: Trisomy21 Risk: 1:6389 Cut Off: (< 1:150) Screaning Result: Negative Parameter: Trisomy18/13 Risk: 1:63538 Cut Off: (< 1:300) Risk above cut off You risk 1:6389 18-3 syndrome risk Risk above cut off You risk 1:>100 Risk above cut off You risk 1:>10000	k calculate —					
Parameter: Trisomy21 Risk: 1:6389 Cut Off: (< 1:150) Screaning Result: Negative Parameter: Trisomy18/13 Risk: 1:63538 Cut Off: (< 1:300) Risk above cut off You risk 1:6389 18-3 syndrome risk Risk above cut off You risk 1:>10000	Age ri	sk: 1:1191				21-3 syndrome risk
Risk: 1:6389 Cut Off: (< 1:150) Screaning Result: Negative Parameter: Trisomy18/13 Risk: 1:63538 Cut Off: (< 1:300) Risk above cut off You risk 1:6389 Risk above cut off You risk 1:6389 Risk above cut off You risk 1:5000 You risk 1:>10000	_	. T. 21			50	
Cut Off: (< 1:150)	Parame	ter: 1risomy21			¥	Risk above cut off
Screaning Result: Negative Age 18-3 syndrome risk Parameter: Trisomy18/13 Risk: 1:63538 Cut Off: (< 1:300) Risk above cut off You risk 1: >10000	Ris	sk: 1:6389			<u>se</u> 100	You risk 1:6389
Screaning Result: Negative Age 18-3 syndrome risk Parameter: Trisomy18/13 Risk: 1:63538 Cut Off: (< 1:300) Risk above cut off You risk 1: >10000	Cut O	off: (< 1:150)			>E000	
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Risk: 1:63538 Cut Off: (< 1:300) Risk above cut off You risk 1: >10000						18-3 syndrome risk
Cut Off: (< 1:300) You risk 1: >10000	Paramet	ter: Trisomy18/13			100	
Cut Off: (< 1:300) You risk 1: >10000	Ris	sk: 1:63538				Risk above cut off
Cut On. (< 1.500)	Cut Off: (< 1:300)				호 200	
						1 0u 115k 1. ~10000

Advice: Diagnostic results with less risk

Parameter:

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.

Age

Screening Result:

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

Doctor: Checked by :

Cut Off:

Print date: 2024-10-30 12:50:38

^{*}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.