

LABORATORY TEST REPORT

Name	: Mrs. MALAIKA HUSSAIN		
Sample ID	: B3606098		
Age/Gender	: 25 Years/Female	Reg. No	: 0482509210202
Referred by	: Dr. T.AHMAD	SPP Code	: SPL-BH-110
Referring Customer	: S.M HOSPITAL	Collected On	: 21-Sep-2025 03:05 PM
Primary Sample	: Whole Blood	Received On	: 22-Sep-2025 07:48 AM
Sample Tested In	: Serum	Reported On	: 23-Sep-2025 01:25 PM
Client Address	: OPPO PETROL PUMP,SHANTI KUNJ HARUN NAG	Report Status	: Final Report


CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Biological Reference Interval
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[PDF Attached](#)
Double Marker

 Free -Beta -HCG
(Method: CLIA)

35.41

ng/mL

 < 2 :Non-Pregnant
 5.4 - 393.4 : Pregnant

 PAPP-A
(Method: CLIA)

1.53

mIU/mL

 < 0.1 : Non-Pregnant
 0.1-19.5 : Pregnant

Risk analysis for Trisomy 21 is 1:112 is positive. Adv: NIPT, FISH and karyotyping. The PAPP-A level is low.

Interpretation:

DISORDER	SCREEN POSITIVE/HIGH RISK CUT OFF
Trisomy 21 (Down)	< 1:250
Trisomy 18/13	< 1:100
DISORDER	SCREEN NEGATIVE/LOW RISK CUT OFF
Trisomy 21 (Down)	> 1:250
Trisomy 18/13	> 1:100

Note: Statistical evaluation has been done using CE marked PRISCA 5 software. · Screening tests are based on statistical analysis of patient demographic and biochemical data. They simply indicate a high or low risk category. Confirmation of screen positives is recommended by Chorionic Villus Sampling (CVS). · The interpretive unit is MoM (Multiples of Median) which takes into account variables such as gestational age (ultrasound), maternal weight, race, insulin dependent Diabetes, multiple gestation, IVF (Date of Birth of Donor, if applicable), smoking & previous history of Down syndrome. Accurate availability of this data for Risk Calculation is critical. · Ideally all pregnant women should be screened for Prenatal disorders irrespective of maternal age. The test is valid between 9-13.6 weeks of gestation, but ideal sampling time is between 10-13 weeks gestation. · First trimester detection rate of Down syndrome is 60% with a false positive rate of 5%. A combination of Nuchal translucency, Nasal bone visualization and biochemical tests (Combined test) increases the detection rate of Down syndrome to 85% at the same false positive rate.

Comments: First trimester screening for Prenatal disorders (Trisomy 21, 18 & 13) is essential to identify those women at sufficient risk for a congenital anomaly in the fetus to warrant further evaluation and followup. For Open neural tube defects, second trimester screening before 20 weeks is recommended. These are screening procedures which cannot discriminate all affected pregnancies from all unaffected pregnancies. Screening cutoffs are established by using MoM values that maximize the detection rate and minimize false positives.

*** End Of Report ***



 DR. LAVANYA LAGISETTY
 MD BIOCHEMISTRY

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Date of report: 23-09-2025
Prisca 5.1.0.17

T.AHMAD

Patient data		Ultrasound data	
Name	Mrs. MALAIKA HUSSAIN	Gestational age at sample date	13 + 2
Birthday	10-03-2001	Method	Scan
Age at sample date	24.5	Scan date	20-09-2025
Patient ID	0482509210202		
Correction factors			
Fetuses	1	IVF	no
Weight in kg	47	diabetes	no
Smoker	no	Origin	Asian
		Previous trisomy 21 pregnancies	unknown
Pregnancy data		Parameter	Value
Sample Date	21-09-2025	PAPP-A	1.53mIU/mL
		fb-hCG	35.41 ng/mL
			0.22
			0.94
Risks at sampling date			
Age risk at sampling date	1:1005	Trisomy 21	1:112
Overall population risk	1:600	Trisomy 13/18	1:201
Risk		Trisomy 21	
		<p>The calculated risk for Trisomy 21 is above the cut off which represents an increased risk.</p> <p>After the result of the Trisomy 21 test it is expected that among 112 women with the same data, there is one woman with a trisomy 21 pregnancy and 111 women with not affected pregnancies.</p> <p>The PAPP-A level is low.</p> <p>The calculated risk by PRISCA depends on the accuracy of the information provided by the referring physician. Please note that risk calculations are statistical approaches and have no diagnostic value!</p>	
Trisomy 13/18			
<p>The calculated risk for Trisomy 13/18 is 1:201, which indicates a low risk.</p>			

Sign of Physician