



## QUADRUPLE MARKER

### PATIENT INFORMATION

NAME: Mrs. SHIPRA VARSHNEY  
PATIENT CODE: C7421124  
DOB: 15/01/1991 (DDMMYYYY)  
LMP:  
PHYSICIAN:

### CLINICAL INFORMATION

GESTATIONAL AGE: 21 weeks 3 days from BPD of 46.0 mm on 22/07/2025  
MATERNAL AGE AT TERM: 34.9 years  
MATERNAL WEIGHT: 74.7 kg  
MATERNAL RACE: INDIAN  
MATERNAL HISTORY: IDDM(N), SMOKER(N), RH(N), VPA(U), SSRI(U),  
CBZ(U), IVF(N)  
GESTATION: Twins  
SCREENING STATUS: Initial sample  
PARA / GRAVIDA: 0 / 1

### SPECIMEN

SPECIMEN CODE: NA  
COLLECTION DATE: 02/08/2025

RECEIVED: 02/08/2025  
REFERRING LAB #: NA  
REPORTED: 02/08/2025

### CLINICAL RESULTS

	Second Trimester	Assay Results	MoM	
	AFP	206.3 ng/mL	3.35	
	uE3	3.13 ng/mL	1.35	
	hCG	12.3 IU/mL	0.59	
	DIA	655.7 pg/ml	2.79	
<b>Risk Assessment (at term)</b>		<b>Cutoff</b>		
Down Syndrome	~1:47900	1:250		
Age alone	1:413			
OSB:	1:601	1:46(4.97 MoMs)		
Trisomy 18	~1:2090	1:100		

**DS**  
serum screen  
age only

**OSB**  
serum screen  
population prevalence

**T18**  
serum screen  
background risk

Condition	Risk Ratio
DS (~1:47900)	~1:47900
OSB (1:413)	1:413
T18 (1:601)	1:601
Combined Risk (1:439)	1:439

### Interpretation\*

#### DOWN SYNDROME

#### Screen Negative

This patient's relative risk for Down syndrome has been determined by dividing the assay results by the average analyte level in twin pregnancies, and then calculating the risk associated with a singleton pregnancy. This relative risk calculation places the patient below the screening cut-off for Down syndrome.

#### OPEN SPINA BIFIDA

#### Screen Negative

The maternal serum AFP result is NOT elevated for a TWIN pregnancy of this gestational age. The risk of an open neural tube defect is less than the risk at the TWIN screening cut-off. Twin pregnancies have serum AFP concentrations that are twice those seen in singleton pregnancies.

#### TRISOMY 18

#### Screen Negative

### Comments:

Accuracy of gestational age is essential for valid interpretation.

Reviewed by: \_\_\_\_\_