



Triple Screen

MOLQ LABORATORY (A UNIT OF MOLECULAR QUEST HEALTHCARE PVT. LTD.)

PATIENT INFORMATION

NAME MRS NEETU
 PATIENT CODE: 011807130049
 DOB: 29/07/90 (DDMMYY)
 LMP: 21/04/18
 EDD: 17/12/18
 PHYSICIAN:

CLINICAL INFORMATION

GESTATIONAL AGE: 18 weeks 2 days
 by U/S (17 wks 3 days on 12/07/18)
 MATERNAL AGE AT TERM: 28.4 years
 MATERNAL WEIGHT: 66.0 kg
 MATERNAL RACE: INDIAN
 MATERNAL IDDM: Not specified (Non-diabetic assumed)
 GESTATION: Twins
 SCREENING STATUS: Initial sample
 PARA / GRAVIDA: 0 / 1

SPECIMEN

SPECIMEN CODE: MOLQ LAB
 COLLECTION DATE: 18/07/18

RECEIVED: 18/07/18
 REFERRING LAB #: MOLQ LAB
 REPORTED: 18/07/18

CLINICAL RESULTS

	Second Trimester	Assay Results	MoM
	AFP	231.1 ng/mL	4.99
	uE3	3.51 ng/mL	2.22
	hCG	179685 mIU/ml	6.37

Risk Assessment (at term)	Cutoff
Down Syndrome	1:250
Age alone	1:1130
OSB:	1:85
Trisomy 18	~1:99000

DS serum screen	age only	OSB serum screen	population prevalence	T18 serum screen	background risk
~1:50000	1:1130	1:85	1:439	~1:99000	1:11300

Interpretation* (based on partial information supplied)

OPEN SPINA BIFIDA

SCREEN POSITIVE

The maternal serum AFP result is ELEVATED for a TWIN pregnancy of this gestational age. The risk of an open neural tube defect is GREATER than the TWIN screening cut-off. Twin pregnancies on average have serum AFP concentrations that are twice those seen in singleton pregnancies. Counselling is indicated regarding further investigations, including a detailed fetal ultrasound and in some cases amniocentesis.

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.

TRISOMY 18

Screen Negative

Accuracy of gestational age is essential for valid interpretation.
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