LABORATORY REPORT

Redcliffe labs

Patient Name	: **Ms Dummy**		
DOB/Age/Gender	: 23 Y/Female	Bill Date	: Feb 02, 2024, 07:50 PM
Patient ID / UHID	: XXX	Sample Collected	: Feb 03, 2024, 08:53 AM
Referred By	: Dr.	Sample Received	: Feb 03, 2024, 12:38 PM
Sample Type	: Serum	Report Date	: Feb 04, 2024, 02:37 PM
Barcode No	: XXX	Report Status	: Final Report

MC-5280

Test Description	Value(s)	Unit(s)	Reference Range

SPECIAL ASSAY REPORT

Quadruple Marker Test- Beckman (Benetech)

AFP-Alpha Feto Protein Method : CLIA	37.6	ng/mL	
uE3, unconjugated Estriol Method : CLIA	3.70	ng/mL	
Beta HCG (Total) Method : CLIA	29597	mIU/mL	
Inhibin A Method : CLIA	197.5	pg/mL	

Interpretation:

Disorder	Risk Assessment
Trisomy 21	Low risk
Trisomy 18	Low risk
Open NTD	Low risk

Disclaimer:

1. This is a risk estimation test and not a diagnostic test. An increased risk result does not mean that the fetus is affected and a low risk does not mean that the fetus is unaffected, reported risk should be correlated and adjusted to the absence/presence of sonographic markers observed in the anomaly/malformation scan.
2. This interpretation assumes that patient and specimen details are accurate and correct.
3. The testing laboratory does not bear responsibility for the ultrasound measurements.

Interpretation:

Risk factor calculated by : Benetech PRA 3.4.0.3

Disorder	Screen positive Cut off(ACOG2007)	Remarks
Trisomy-21	1:250 for all age groups AFP MoM < or=0.74, HCG MoM > or=2.06 UE3 MoM < or=0.75,Inhibin A: >or =1.77	Confirmatory tests needed under doctor'sadvise
Trisomy-18	1:100 for all age groups AFP MoM < or=0.65, HCG MoM < or=0.36 UE3 MoM < or=0.4	Maternal ultrasound needed for confirmation

Dr. Islam Barkatullah Khan
MD (Pathology)
Consultant Pathologist

Patient Name	: **Ms Dummy**		
DOB/Age/Gender	: 23 Y/Female	Bill Date	: Feb 02, 2024, 07:50 PM
Patient ID / UHID	: XXX	Sample Collected	: Feb 03, 2024, 08:53 AM
Referred By	: Dr.	Sample Received	: Feb 03, 2024, 12:38 PM
Sample Type	: Serum	Report Date	: Feb 04, 2024, 02:37 PM
Barcode No	: XXX	Report Status	: Final Report

MC-5280

Test Description	Value(s)	Unit(s)	Reference Range
Open Neural TubeDefect	AFP MoM above 2.5	Scan of Rachis recommended	

Interpretation Guidelines :

1. Statistical risk factor calculation for Trisomy 21 (Down's syndrome), Trisomy 18 (Edward Syndrome), and Open Neural tube defect has been done using CE approved Benetech PRA 3.4.0.3
2. Statistical evaluation enclosed being more informative, the reference ranges for the biochemical parameters are not quoted on the report.
3. All software may not give similar risk factor for the similar data.
4. This is a screening test and hence confirmation of screen positives is recommended.
5. The test offers detection rate of 81% and hence occasional false negatives are likely.
6. It is advisable to ask for repeat calculations (not the test), in case history provided is not correct. For better reliability of results, it is advised to carry out analysis between 15&17 weeks.
7. 1:250 risk factor means : Out of 250 women having similar results and history, 1 may have abnormality.

Note : Graph Enclosed

Limitations : Following factors affect maternal hormonal (MoM) levels & hence to be considered during interpretation.

Maternal Factors	Fetal Factors	Placental Factors
Weight, Gestational Hypertension and Diabetes, Chronic Liver Diseases,uterine fibroids, Ovarian tumour	Correct Gestational Age, More than 2 foetuses IUGR, Oligohydramnios,Abdominalwall defects, CAH,SmithLemliOpitz Syndrome	Placenta Preavia, Retroplacental haemorrhage, Altered placental bloodflow

NOTE :

All Lab results are subject to clinical interpretation by a qualified medical professional & This report is not subject to use for any medico-legal purpose.

As the test is screening test, confirmatory test like aminiocentesis (K0006) or CVS should be considered based on findings under advise of your gynecologist

Integrated test: NIPT/S (N0023)- Non invasive prenatal screening test - Genetic screening from Maternal blood for aneuploidies-Trisomy 21, 13, 18

Dr. Islam Barkatullah Khan
MD (Pathology)
Consultant Pathologist

REDCLIFFE LIFETECH PVT LTD

QUADRUPLE MARKER

HOSPITAL NUMBER: XXX
NAME: Ms Priya, Ray
DOB: 06/02/2000 (DDMMYYYY)

CLINICAL INFORMATION
LMP: 23/09/2023
EDD: 27/06/2024
GESTATIONAL AGE: 19 weeks 2 days from BPD of 43.5 mm on 02/02/2024
MATERNAL AGE AT TERM: 24.4 years
MATERNAL WEIGHT: 55.6 kg
MATERNAL RACE: INDIAN
MATERNAL HISTORY: IDDM(N), SMOKER(U), RH(U), VPA(U), SSRI(U), CBZ(U), IVF(N)
GESTATION: Singleton
SCREENING STATUS: Initial sample
PARA / GRAVIDA: 0 / 0

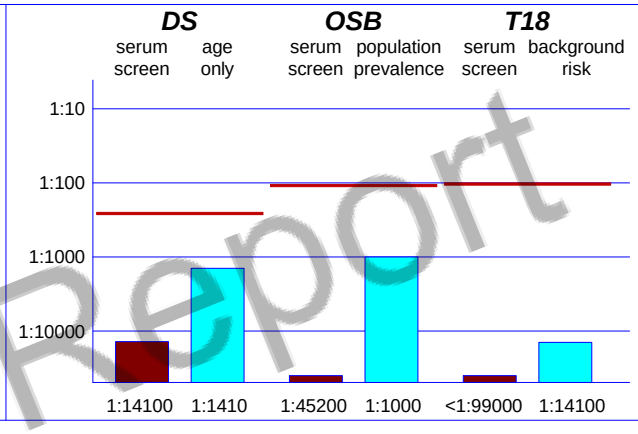
SPECIMEN
SPECIMEN CODE: XXX
COLLECTION DATE: 03/02/2024

RECEIVED: 03/02/2024
REFERRING LAB #: XXX
REPORTED: 03/02/2024

CLINICAL RESULTS

First Trimester	Assay Results	MoM	Second Trimester	Assay Results	MoM
			AFP	37.6 ng/mL	0.69
			uE3	3.70 ng/mL	1.97
			hCG	29597.0 mIU/mL	0.97
			DIA	197.5 pg/ml	0.75

Risk Assessment (at term)		**Cutoff**
Down Syndrome	1:14100	1:250
Age alone	1:1410	
Equivalent Age Risk	<15.0	
OSB:	1:45200	1:104(2.47 MoMs)
Trisomy 18	<1:99000	1:100



Interpretation* -

DOWN SYNDROME — **Screen Negative**
The risk of Down syndrome is LESS than the screening cut-off. No follow-up is indicated regarding this result.

OPEN SPINA BIFIDA — **Screen Negative**
The maternal serum AFP result is NOT elevated for a pregnancy of this gestational age. The risk of an open neural tube defect is less than the screening cut-off.

TRISOMY 18 — **Screen Negative**
These serum marker levels are not consistent with the pattern seen in Trisomy 18 pregnancies. Maternal serum screening will detect approximately 60% of Trisomy 18 pregnancies.

Comments:

The calculated risk by Benetech PRA depends on the accuracy of the information provided by the referring physician. Please note that calculation are statistical approaches and have no diagnostic value.