

Maternal

serum screening



Support for every ***Mother***

Maternal Serum Screening

Maternal Serum Screening assesses the risk of chromosomal abnormalities and neural tube defects, using maternal blood markers. Double Marker test evaluates the risk of Down syndrome with maternal age and NT scan giving detection rate of ~85%. Triple Marker test screens for NTD, Down and Edward syndrome, while Quadruple Marker test provides higher sensitivity and detection rate over 90% with combined screening.

Technical Specifications:

- Methodology - CLIA
- Risk Calculation: Triple/Quadruple marker by Benetech (MA, NT scan & more), Double marker by AutoDELFIA/ROCHE
- TAT: 2-3 days
- Instrumentation: Beckmen Coulter Access 2
- Reporting Units: ng/mL or pg/mL or iu/mL
- Sample Type: Serum

	01	02	03
Test Name	Double Marker	Triple Marker	Quadruple Marker
Ideal Time	Performed between 10-13.6 weeks	Performed between 15-20 weeks	Performed between 15-20 weeks
Markers Covered	Free β -hCG PAPP-A	AFP, β -hCG uE3	AFP, β -hCG uE3, Inhibin A

**Test performed at CAP & NABL accredited laboratories.

NOTE:

Maternal Serum Screening is a screening test, not a diagnostic test. Abnormal results indicate increased risk and should be followed up with advanced screening test (NIPT) or confirmatory diagnostic procedures (CVS, or amniocentesis) followed with genetic investigation as advised by the clinician.

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