



Prenatal SCREENING

Allows early identification of any possible risk of **Chromosomal Conditions in the fetus, Including Down Syndrome, Edwards Syndrome, Patau Syndrome and Open Neural Tube Defects (ONTDs)**

These are simple tests and require a few ml of maternal serum



Quick



Non-invasive

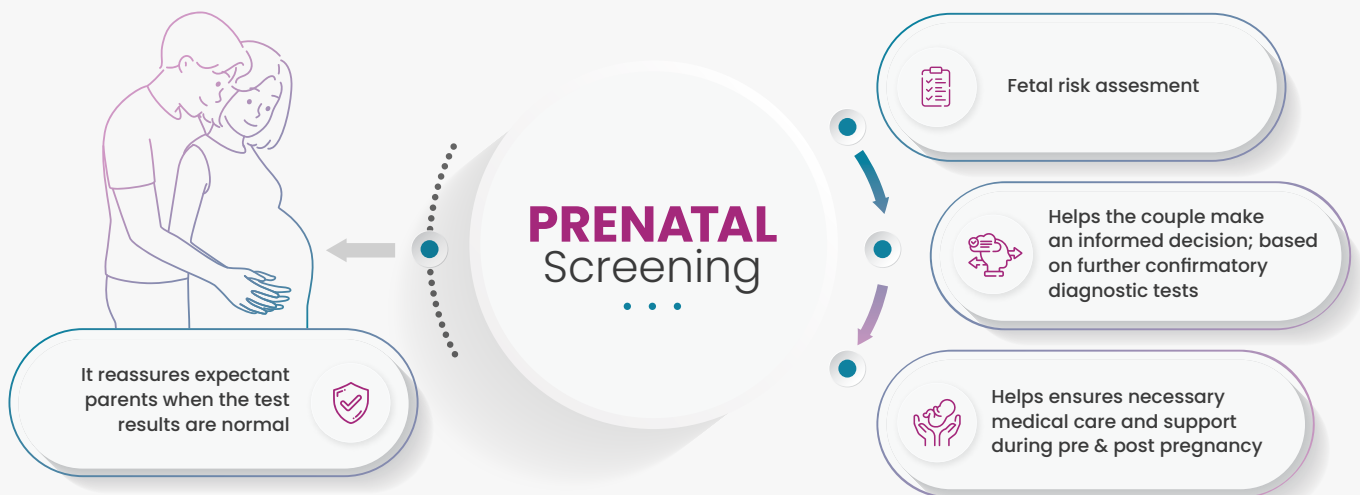


Simple



Safe

SCREENING TESTS ARE DONE DURING 1ST & 2ND TRIMESTER OF PREGNANCY



Our Offerings

Trimester	1st	1st	1st	1st & 2nd	2nd	1st onwards
Gestation Window	11-13 weeks ± 6 days	11-13 weeks ± 6 days	11-13 weeks ± 6 days	11-13 weeks ± 6 days and 15-21 weeks ± 6 days	21 weeks ± 6 days	10 weeks till term
Test Name	1T combined screen	1T Quad	1T Penta	Integrated Screening	Quadruple marker	Non-invasive Prenatal Testing
Parameters	Free-Beta HCG, PAPP-A, & NT, NB	Free-Beta HCG, PAPP-A, AFP, PIGF & NT, NB, UTPI & MAP	Beta HCG, PAPP-A, AFP, Inhibin A, PIGF+ NT, NB, UTPI & MAP	Combined markers from both the trimesters	Beta HCG, AFP, Unconjugated estriol, Inhibin A	Cell free DNA extracted from Maternal Blood
Detection of aneuploidy	Yes (90%)	Yes (92%)	Yes (98%)	Yes (94%)	Yes (75%)	Yes (>99%)
False Positive Rate	5%	3%	1.2%	4%	5%	(<0.1%)
Screens for ONTDs	No	No	No	Yes	Yes	No
Detection / screen for pre-eclampsia	No	Yes	Yes	No	No	No
Software & Platform	Lifecycle or Astria on Autodelfia (TRFA); Prisca ver. 5 on CLIA	Lifecycle Autodelfia	Lifecycle Autodelfia	Lifecycle Autodelfia	Lifecycle Autodelfia; Prisca ver. 5 on CLIA	Ion Torrent (NGS)



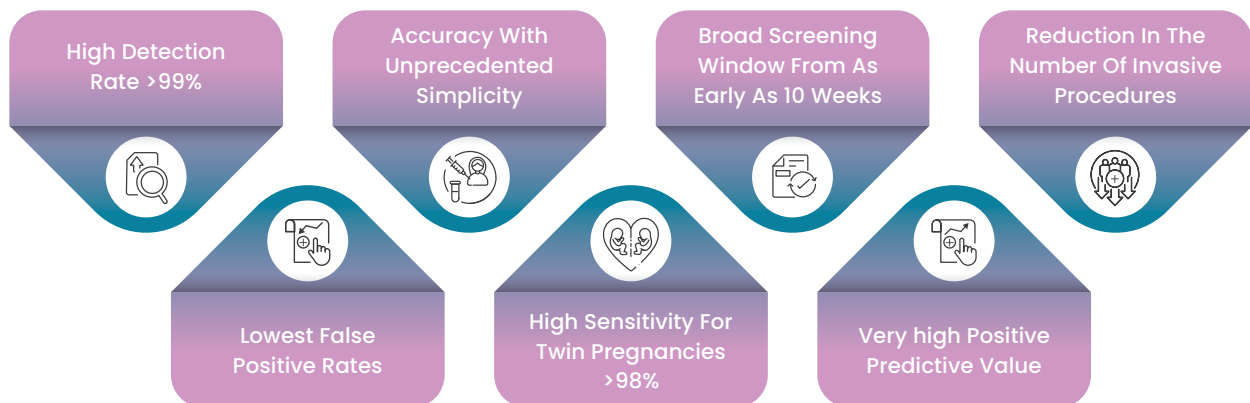
Non Invasive Prenatal test (NIPT)

Future of Proactive & Precise Prenatal Screening through **Next-Generation Sequencing (NGS)**

For: All pregnant women with single or twin pregnancies

All pregnancies involving IVF, surrogacy and egg donation

NIPT Offers The Following **Unmatched Advantages**



Limitations of Serum Screening (Double/Triple/Quadruple Marker) that

NIPT

Overcomes

- Low Detection Rate (65-90%)
- High False Positive Rates (4-5%)
- Low Positive Predictive Value (3-4%)
- Low Sensitivity For Twin Gestation
- Dependence On Ultrasound Scans To Increase Sensitivity
- Impact Of Maternal Age On Results
- Smaller Screening Window As Per Gestation Age

... Our **Offerings** ...

	NIPT Basic (Required Fetal Fraction >3.5%)	NIPT All Chromosomes (Required Fetal Fraction >3.5%)	NIPT Microdeletions (Required Fetal Fraction >5%)
Chromosomes 13,18 and 21	✓	✓	✓
Sex Chromosomes	✓	✓	✓
All Other Chromosomes		✓	✓
Microdeletions (5)			✓