PRENITA
Understand the tiny footprints in your womb
bioserve
A REPROCELL COMPANY

Assurance on safety

PRENITA-PRENATAL SCREENING

PRENITA tests provide accurate results with actionable insights which helps the clinician to analyse and provide best outcome to the patients.

Chromosomal abnormalities in the foetus constitute one of the leading causes of stillbirth and birth of infants with malformation.

Prenatal testing is important as it:

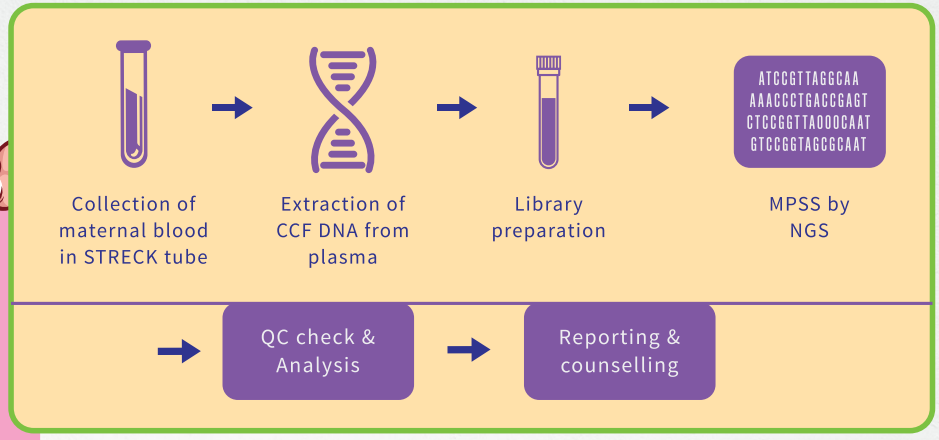
Provide assurance to the expecting parents

Identifies chromosomal abnormalities

Enable parents in better management of the healthcare conditions

Early intervention

Syndrome	Incidence
Trisomy 21	1 in 800 births.
Trisomy 13	1 in 10,000 newborns
Trisomy 18	1 in 6,000 live births.
Turner syndrome	1 in 2500 live female births.
Klinefelter syndrome	1 in 500 - 1,000 baby boys
Triple X	1 in 1000 new born girls



PRENITA NIPT

During pregnancy, DNA fragments from the baby enter the mother's bloodstream and Non-Invasive Prenatal Screening Test (NIPT) is performed on this DNA. PRENITA NIPT is the most advanced non-invasive preantral screening test that analyses every chromosome of your developing baby to check the genetic conditions that could affect the baby's health.

First trimester maternal serum screening is associated with 5% False positive rate & a significant number of women go through invasive test such as Chorionic villus sampling and amniocentesis. The invasive procedures are associated with 0.5-1.5% risk of miscarriage. With greater sensitivity & specificity of NIPT, the number of women undergoing invasive test can be reduced.

PRENITA NIPT is

- Safe
- Simple
- Reliable
- Fast

Chromosomal Aneuploidies Screened

- Trisomy 13: Patau Syndrome
- Trisomy 18: Edward Syndrome
- Trisomy 21: Down Syndrome
- XXY: Klinefelter Syndrome
- X0: Turner Syndrome
- XYY: Jacob Syndrome
- XXX Syndrome

Microdeletions Screened

- DiGeorge syndrome
- 1p36 deletion syndrome
- Angelman/Praderwilli syndrome
- Cri-du-chat syndrome
- Wolf Hirschhorn syndrome

Test Code	Test Name	Offering
CG001	PRENITA NIPT	Chromosomal Aneuploidies
CG002	PRENITA NIPT MD	Chromosomal Aneuploidies + 5 Microdeletions

What is the edge over other prenatal screening techniques?

Simple test that requires 8-10 mL of maternal blood sample.

Safe to the mother and fetus.

Early detection.

Reliable with higher sensitivity and specificity.

Comprehensive information on all the 46 chromosomes.

Shorter turnaround time.

Avoids False positive results by estimating the fetal fraction.

Can be used for twin pregnancies.

What does PRENITA NIPT convey?

PRENITA NIPT provides a risk score for the genetic conditions tested.

Low Risk :Indicates that it is unlikely that the baby is affected by tested genetic conditions.

High Risk : Conveys that there is an increased risk that the baby has a genetic condition, and this serves as a pre requisite for further testing.

NIPT is offered to expectant mothers with

- Advanced maternal age
- Positive maternal serum screen
- Abnormal ultrasound finding
- Positive personal or family history
- Information on genetic condition of her baby

Follow up services offered by BioServe's PRENITA

Personalised genetic counselling

Confirmatory test for pregnancies at risk

Limitations of the test

Chromosomal abnormalities such as unbalanced translocations, deletions, and duplications cannot be detected.

Is a screening test and not a diagnostic test.

How do I arrange this test?

Discuss with your healthcare provider

Fill in the Test Request Form

Your blood is collected in appropriate container provided by us.

PRENITA

For any technical queries please contact clinicalgenomics@reprocell.com

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