



NIPT

NON-INVASIVE PRENATAL TESTING

SAFE • ACCURATE • RELIABLE



Discover peace of mind in pregnancy with Non-Invasive
Prenatal Testing (NIPT)

BOOK YOUR TEST

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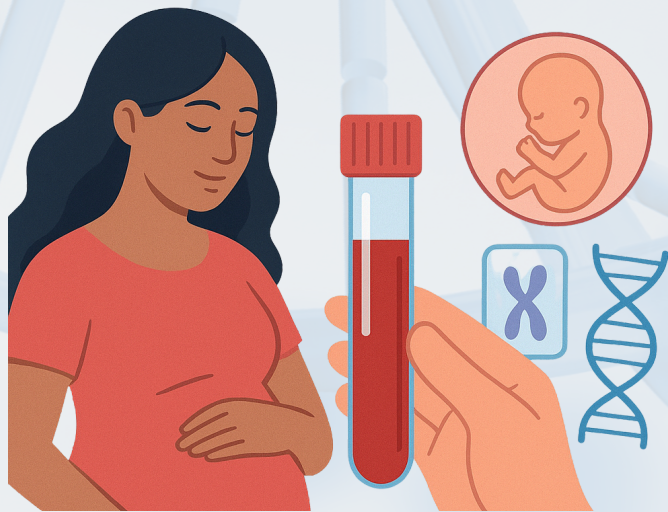
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WHAT IS NIPT?

NIPT is a highly accurate, non-invasive prenatal screening test performed by analyzing cell-free fetal DNA (cffDNA) found in a small maternal blood sample (drawn after 10 weeks of pregnancy)



DISORDERS SCREENED BY NIPT

- Trisomy 21 (Down Syndrome)
- Trisomy 18 (Edwards Syndrome)
- Trisomy 13 (Patau Syndrome)
- Sex chromosome anomalies (e.g., Turner, Klinefelter syndromes)



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- Discover peace of mind in pregnancy with Non-Invasive Prenatal Testing (NIPT).
- Just a simple blood test from the mother can unlock vital information about the baby's health.
- With high accuracy and zero risk, NIPT screens for common genetic conditions like Down syndrome, Edwards syndrome, and Patau syndrome—helping parents make informed decisions early, safely, and confidently



Technical Aspects of NIPT:

Technology Used: Next-Generation Sequencing (NGS) & advanced bioinformatics.

Sample Required: 10 ml maternal blood.

Time of Testing: \geq 10 weeks of gestation.

Turnaround Time: 7–10 working days.

Accuracy: >99% sensitivity for trisomy 21 (Down Syndrome).

Limitations

Screening (not diagnostic). Positive/high-risk results require confirmatory tests like amniocentesis or CVS. False results can arise due to low fetal fraction or confined placental mosaicism.



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WHO SHOULD CONSIDER NIPT?

NIPT is recommended for all expectant mothers, especially those with the following risk factors:

- Advanced Maternal Age (age 35+).
- Abnormal Previous Screening (e.g., first trimester blood tests, ultrasound).
- Prior Pregnancy with Chromosomal Condition.
- Known Family History of genetic disorders.
- Suspicious Ultrasound Findings.
- IVF or Egg Donation Pregnancies.
- Having Twins or Complex Pregnancy Scenarios.
- Desiring More Accurate and Early Reassurance



NIPT AT PUNJAB LAB – SAFE. EARLY. RELIABLE

Punjab Laboratories & Genetic Centre

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