+44 20 8123 2220
info@marketpublishers.com

India Non Invasive Prenatal Testing Market, Test Price & Opportunity Outlook 2024

https://marketpublishers.com/r/IB717468D16EN.html
Date: April 2018
Pages: 100
Price: US$ 1,800.00 (Single User License)
ID: IB717468D16EN

Abstracts

Please note: extra shipping charges are applied when purchasing Hard Copy License depending on the location.

"India Non Invasive Prenatal Testing Market, Test Price & Opportunity Outlook 2024" Report Highlights:

Number of NIPT Test at Multiple Adoptability Rates (2018 – 2024)

Comparative Cost Analysis - NIPT v/s Other Screening Test

Need & Importance of Prenatal Diagnosis from an Indian Perspective

Non-Invasive Prenatal Testing Market by Application

India Non Invasive Prenatal Market Analysis by Product

Non Invasive Prenatal Market Analysis by Techniques

India Non Invasive Prenatal Test Market Forecast (2018 – 2024)

Prenatal screening and diagnosis are key aspects of prenatal care aimed at detecting any kind of anatomical or physiological problems with pregnancy as early as possible. Advancements in screening and diagnosis techniques and devices has led to easy detection of problems such as neural tube defects, chromosome abnormality, gene mutations, genetic disorders or any birth defects such as cleft palate, Downs Syndrome and Sickle Cell Anemia.

+44 20 8123 2220
info@marketpublishers.com

India currently has one of the highest birthrates in the world with about 27 Million births annually. Unfortunately it also has a significant infant mortality rate with close to 9 Million deaths per annum. Research shows that Genetic and congenital abnormality in India is the second most common cause of infant and childhood mortality and occurs with a prevalence of 25-60 per 1000 births. The number could be lowered significantly with making early screening of pregnancy a regular practice

Currently, traditional prenatal screening and diagnosis methods dominate the Indian market with Amniocentesis, and Chorionic Villi Sampling having a market size of over 60 %. However, both these techniques, being invasive pose some risk to the developing fetus- which is why many conceiving mothers do not prefer these methods. This has led to a dire need for non-invasive techniques which can detect fetal problems in early stages of pregnancy.

Although a relatively new market, prenatal screening and diagnosis market is bound to be a thriving market in India by 2024. Non-invasive techniques include examinations of the woman's womb through ultrasonography and maternal serum screens (i.e. Alpha-fetoprotein). Blood tests for select trisomy based on detecting cell-free placental DNA present in maternal blood, also known as non-invasive prenatal testing (NIPT), have already become available across major Tier I and Tier II cities in India. NIPT has also become a highly preferred technique by doctors who consider it to be a safer, faster, reliable, less tedious and much more superior method compared to traditional techniques like chorionic villi sampling and amniocentesis.

Novel Noninvasive prenatal testing methods like pre-implant genetic diagnosis (PGD) have become a highly useful technique across many IVF centers in India which involves the sampling of cells from human embryos before implantation. Nuchal scan, also known as Ultrasound detection has gained excellent popularity as a common Noninvasive prenatal testing method in first and second trimester which is used to identify higher risks of Downs’s syndrome.

It is evident that noninvasive prenatal testing has several advantages over traditional prenatal testing methods. Analysis of newer NIPT products entering the market and their unique features show that NIPT currently has an excellent potential to dominate the market in early prenatal screening. However, owing to the diversity in income and awareness among the Indian population these techniques are anticipated to be limited to the elite and upper middle class.

+44 20 8123 2220
info@marketpublishers.com

Increasing prevalence of genetic abnormalities, Rise of DISC (Double Income, Single Child) families, Rapid growth of the Indian IVF market and increasing awareness regarding noninvasive prenatal screening among young Indian couples are key driving parameters of the non-invasive pre natal testing market in India.

Being a novel segment to enter the Indian healthcare sector, NIPT currently faces few major challenges that limit its growth to few urban regions of India. High cost of noninvasive pre natal screening, ethical and legal hurdles regarding prenatal diagnosis and dominance of traditional prenatal tests are the top three challenges that the NIPT segment faces.

KuicK Research Report on the Indian Non Invasive Prenatal Testing provides an insight into the current scenario of the Indian prenatal testing market. The inclusive report focuses on both the invasive and non-invasive prenatal market with special emphasis on the future potential of the non-invasive prenatal market. Recent market trends, novel prenatal testing techniques and devices entering the market, cost analysis of each procedure, adoption rate in various cities and dynamics that are bound to impact the market are key features highlighted in the report – ensuring an optimistic growth of the Indian Prenatal Testing Market.

+44 20 8123 2220
info@marketpublishers.com

Contents

1. PRENATAL DIAGNOSIS & SCREENING – INTRODUCTION

1.1 Prologue to Prenatal Diagnosis & Screening
1.2 Historical Insight to Prenatal Diagnosis in India

2. NEED & IMPORTANCE OF PRENATAL DIAGNOSIS FROM AN INDIAN PERSPECTIVE

2.1 Increasing Prevalence of Prenatal Abnormalities
2.2 Increasing Burden of Birth Defects & Mortality
2.3 Rise in Prenatal Disorder Risk Factors in India
  2.3.1 Maternal Age at Conception
  2.3.2 Proportion of unplanned pregnancies and Lack of antenatal care
  2.3.3 Early Marriage & Genetic Condition of the Mother
  2.3.4 Rate of Consanguineous Marriage in Population
  2.3.5 Exposure of Mother to Possible Teratogens
2.4 Trending of the (Double Income, Single Child) DISC Norm in Indian Society
2.5 Increase in Infertility Rates & In-Vitro Fertilization Centers

3. NON INVASIVE PRENATAL DIAGNOSIS – HIGH ACCURACY WITH NO RISKS

3.1 Overview
3.2 Risk Associated with Traditional prenatal Screening Methods
3.3 Comparative Analysis of NIPT with other Prenatal Screening Methods

4. NON-INVASIVE PRENATAL TESTING MARKET BY APPLICATION

  4.1.1 Down' Syndrome (Trisomy 21)
  4.1.2 Edwards Syndrome (Trisomy 18)
  4.1.3 Patau's Syndrome
  4.1.4 Other Chromosomal Abnormalities

5. SUPERIORITY OF NON INVASIVE PRENATAL SCREENING TO TRADITIONAL SCREENING TEST

5.1 Painless Procedure with Multiple Benefits
5.2 High Accuracy Even at Earlier Stage of Pregnancy

5.3 No Risk to the Developing Fetus, No Risk of Miscarriage
5.4 Much Higher Detection Rate with Minimum False Positives

6. INDIA NON INVASIVE PRENATAL MARKET ANALYSIS BY PRODUCT

6.1 MaterniT21
6.2 Harmony Test
6.3 Visibilit Test
6.4 NIFTY
6.5 Next Generation Sequencing (NGS) System
6.6 Panorama Test
6.7 Polymerase Chain Reaction (PCR) Instrument
6.8 Prenatal Chromosomal Microarray
6.9 Ultrasound & Other Device

7. NON INVASIVE PRENATAL MARKET ANALYSIS BY TECHNIQUES

7.1 Ultrasound Detection
7.2 Biochemical screening tests
  7.2.1 Human Chorionic Gonadotropin Test
  7.2.2 Estriol & Inhibin A Screening
7.3 Cell-free DNA in Maternal Plasma Tests

8. NONINVASIVE PRENATAL TESTING MARKET BY END USER

8.1 Hospitals
8.2 Laboratories
8.3 In-Vitro Fertilization & Clinics

9. DRIVING FACTORS OF THE NONINVASIVE PRENATAL TESTING MARKET IN INDIA

10. NON INVASIVE PRENATAL TESTING MARKET CHALLENGES IN INDIA

11. FUTURE FORECAST OF THE NONINVASIVE PRENATAL TESTING MARKET IN INDIA

12. COMPETITIVE ANALYSIS - INDIAN NIPT PLAYERS

+44 20 8123 2220
info@marketpublishers.com

12.1 DNA Labs India
12.1.1 Company Overview
12.1.2 NIPT Products, Services & Cost Analysis
12.2 LifeCell
12.2.1 Company Overview
12.2.2 NIPT Products, Services & Cost Analysis
12.3 LifeCodexx AG
12.3.1 Company Overview
12.3.2 NIPT Products, Services & Cost Analysis
12.4 Apollo Centre for Fetal Medicine, New Delhi
12.4.1 Company Overview
12.4.2 NIPT Products, Services & Cost Analysis
12.5 Medgenome
12.5.1 Company Overview
12.5.2 Product, Services & Cost Analysis
12.6 Igenomix India
12.6.1 Company Overview
12.6.2 Products, Services & Cost Analysis
12.7 Fortis Healthcare Limited
12.7.1 Company Overview
12.7.2 Products, Services & Cost Analysis
12.8 DNA Forensics, India
12.8.1 Company Overview
12.8.2 Products, Services & Cost Analysis

+44 20 8123 2220
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Figure 1-1: Indications that Highly Demand Prenatal Diagnosis
Figure 1-2: Prenatal Diagnosis in India- History
Figure 2-1: Need & Importance of Prenatal Diagnosis in India
Figure 2-2: Prenatal Diagnosis- Benefits
Figure 2-3: Cause of High Prevalence of Prenatal Disorders in India
Figure 2-4: India – Neonatal Cases of Genetic Disorders (Number of Births), 2015
Figure 2-5: India - Prenatal Mortality due to Congenital Factors (Number/Year)
Figure 2-6: Prenatal Disorders - Risk Factors
Figure 2-7: India - Occurrence of Down's syndrome by Mother' Age (per 10,000 Births)
Figure 2-8: India - Number of Females Married Before 18, 2014-2016
Figure 2-9: Possible Teratogens That Might Cause Prenatal Abnormalities
Figure 2-10: India - Annual Congenital Malformation (per 10,000 Births), 2015
Figure 2-11: Benefits of Double Income Single Child Norm
Figure 2-12: India – Number of NIPT Test at 10% Adoptability Rate of New Birth (Million) 2018 – 2024
Figure 2-13: India - Number of NIPT Test at 15% Adoptability Rate of New Birth (Million) 2018 – 2024
Figure 2-14: India – Number of NIPT Test at 20% Adoptability Rate of New Birth (Million) 2018 – 2024
Figure 2-15: India – Number of NIPT Test at 30% Adoptability Rate of New Birth (Million) 2018 – 2024
Figure 2-16: Major Factors for Rising Infertility in Indian Couples (%), 2018
Figure 2-17: India - Prevalence of Infertility by Region (%), 2017
Figure 2-18: Global - Infertility status by Region (%), 2018
Figure 3-1: Illustration of Non-Invasive Prenatal Screening Test
Figure 3-2: Goals of Non-invasive Prenatal Screening
Figure 3-3: Comparative Accuracy Analysis - NIPT v/s Other Screening Tests
Figure 3-4: Risks in Amniocentesis & Chorionic Villi Sampling
Figure 3-5: Comparative Cost Analysis - NIPT v/s Other Screening Test (INR), 2018
Figure 3-6: Comparative Cost Analysis - NIPT v/s Other Screening Test(US$), 2018
Figure 4-1: India - NIPT Market Size by Application (%) 2018
Figure 5-1:Non-invasive Prenatal Screening v/s Traditional Screening
Figure 6-1: NIPT Market Size by Product (%), 2018
Figure 6-2: Harmony Test - Price Analysis (INR & US$), 2018
Figure 6-3: Visibility Test - Price Analysis (US$ & INR), 2018

Figure 6-4: NIFTY - Cost Analysis (INR & US$), 2018
Figure 6-5: Genome Sequencing - Cost Analysis (US$ & INR), 2018
Figure 6-6: Panorama Test - Price Analysis (INR & US$), 2018
Figure 6-7: Prenatal PCR - Cost Analysis (INR & US$), 2018
Figure 6-8: Microarray - Cost Analysis (INR & US$), 2018
Figure 6-9: 3D Ultrasound Test - Cost Analysis (US$ & INR), 2018
Figure 6-10: 4D Ultrasound Test - Price Analysis (INR & US$), 2018
Figure 7-1: NIPT - Market Analysis by Techniques (%), 2018
Figure 7-2: MSAFP - Cost Analysis (INR & US$), 2018
Figure 7-3: HCG Biochemical Test - Cost Analysis (INR & US$), 2018
Figure 7-4: Estriol, Inhibin A- Test Cost Analysis (INR & US$), 2018
Figure 8-1: India - NIPT Market Size by End Users (%), 2018
Figure 9-1: Driving Factors of the Indian Prenatal Testing Market
Figure 10-1: Growth Restraining Factors of the Indian Prenatal Testing Market
Figure 11-1: India - Invasive v/s NIPT Market Size (%), 2018
Figure 11-2: India – Prenatal (Invasive & Non Invasive) Test Market Growth Forecast (US$ Million), 2018-2025
Figure 11-3: India Non Invasive Prenatal Test Market Forecast (US$ Million), 2018-2024
Figure 12-1: DNA Labs India - Service & Cost Analysis, 2018
Figure 12-2: Life Cell - Service & Price Analysis, 2018
Figure 12-3: LifeCodexx AG - Service & Cost Analysis, 2018
Figure 12-4: Medgenome - Product Service & Cost Analysis, 2018
Figure 12-5: Igenomix India - Service & Price Analysis, 2018
Figure 12-6: Fortis Healthcare Limited - Products & Service Price Analysis, 2018
Figure 12-7: DNA Forensics - Products & Services Price Analysis, 2018

COMPANIES

DNA Labs India, LifeCell, LifeCodexx AG, Apollo Centre for Fetal Medicine, New Delhi, Medgenome, Igenomix India, Fortis Healthcare Limited, DNA Forensics, India

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: India Non Invasive Prenatal Testing Market, Test Price & Opportunity Outlook 2024
Product link: https://marketpublishers.com/r/IB717468D16EN.html
Price: US$ 1,800.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/IB717468D16EN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970