

# Prenatal TESTING *excellence*

MFINE'S COMMITMENT TO HEALTHY BEGINNINGS

**7 lakh+**  
Prenatal Screening  
of Aneuploidies

**5.6 lakh+**  
Newborn  
Screening Tests

**50k+**  
NIPTs  
Performed



## 01/ COMPREHENSIVE Prenatal Testing

**1<sup>st</sup>**  
TRIMESTER  
SCREENING

- COMBINED SCREENING
- 1T PENTA MARKER
- 1T QUAD MARKER
- PRECONCEPTION CAREER SCREENING
- THALASSEMIA SCREENING
- PRE-ECLAMPSIA SCREENING
- NIPT

**2<sup>nd</sup>**  
TRIMESTER  
SCREENING

- 2T QUADRUPLE MARKER
- PRE-ECLAMPSIA PREDICTION SFLT-1/PLGF RATIO
- NIPT

**DIAGNOSTIC  
GENETIC TESTING**

- EXOMEFIRST
- QF-PCR/FISH WITH KARYOTYPING
- CHROMOSOMAL MICROARRAY
- TRIO HBB GENE SEQUENCING
- SPINAL MUSCULAR ATROPHY (SMA) BY MLPA
- DUCHENE MUSCULAR DYSTROPHY (DMD) BY MLPA
- INFECTIOUS DISEASES-MOLECULAR DIAGNOSIS BY RAPID RT-PCR

## 02/ NON INVASIVE Prenatal Testing (NIPT)



2022 ACMG Practice Guideline strongly recommends NIPT over other maternal serum screening tests

HELPS TO ACCOMPLISH THE HIGHEST STANDARDS OF PRENATAL SCREENING  
APPLICABLE FOR SINGLETON & TWIN PREGNANCY

### Non-invasive

Performed using single blood draw



### Highest detection rate

Utilizes the power of cfDNA instead of serum marker values



### Superior technology

Uses whole genome Next Generation Sequencing



### Accuracy

Provides > 99% sensitivity & specificity for T13, T18, T21



### Early reassurance

Can be done as early as 10 weeks of gestation



### Lowest false positive rate

31-79% reduction in diagnostic procedure

