

PGT - A

PREIMPLANTATION GENETIC TESTING FOR ANEUPLOIDY



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Offers chromosomal/segmental aneuploidy analysis from single/few cells of embryo derived through IVF

- Multiple factors including advanced maternal age result in increased incidence of aneuploidy risk in IVF patients.
- Increase or decrease in chromosome number in embryonic cells after IVF can lead to implantation failure.
- Chromosomal abnormalities (aneuploidy) are responsible for about 70% of miscarriages in early pregnancy.

PGT - A recommended for

Patients with :

- Recurring miscarriages.
- Advanced maternal age.
- A family history of chromosomal disorder.
- Previous unsuccessful IVF cycle.

TEST METHOD : MICRO ARRAY/ NGS
SAMPLE REQUIRED : BLASTOMERE OR TROPHECTODERM BIOPSY

POTENTIAL BENEFITS.

- Reducing the incidence of miscarriage.
- Reducing the risk of a live born child with a chromosomal abnormality
- Improving IVF rates by prioritizing chromosomally normal embryos for transfer.
- PGT-A by NGS has proven worldwide to be very effective in identification of **chromosomal aneuploidy**, whereas, Microarray technology is highly sensitive and specific to even detect segmental aneuploidy.

Gene **plore**[™]

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