Why IGENOMIX?

- More than 18 years' experience
- Robust and reliable diagnosis
- Experienced genetic counselors
- Our senior team analyzes every result
- Guaranteed outstanding customer service
- Free Dry Run/Set up
- Track record of less than 2% non-informative embryos
- We participate in research projects
- We provide training for embryologists

igenomix

PGD | Preimplantation Genetic Diagnosis for Single Gene Disorders

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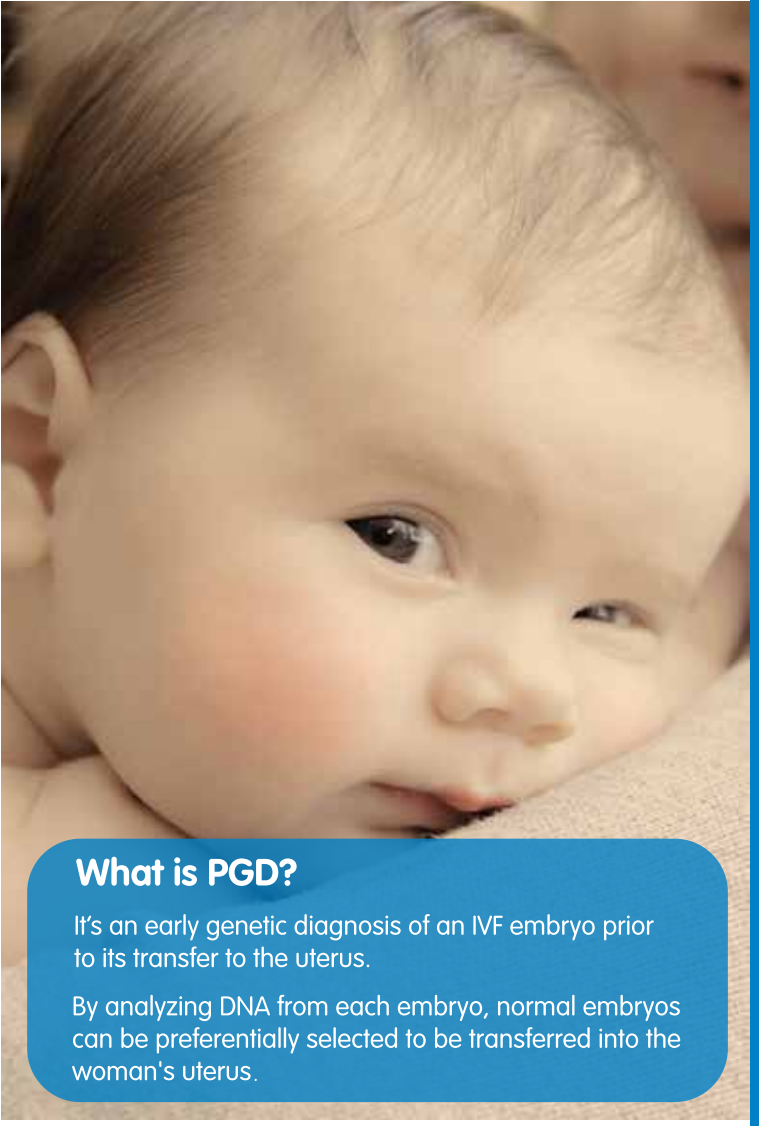
PGD | Preimplantation Genetic Diagnosis for Single Gene Disorders

PROMOTING HEALTHY PREGNANCIES BY PREVENTING THE TRANSMISSION OF SINGLE GENE DISORDERS

Carriers of genetic disorders can now conceive a healthy baby with PGD

igenomix
PIONEERS IN REPRODUCTIVE GENETICS



What is PGD?

It's an early genetic diagnosis of an IVF embryo prior to its transfer to the uterus.

By analyzing DNA from each embryo, normal embryos can be preferentially selected to be transferred into the woman's uterus.

Indications for performing PGD

- This type of PGD is indicated for couples with personal or familial high-risk for single gene conditions including Cystic Fibrosis, Fragile-X syndrome, Muscular dystrophy, Huntington's disease and others.
- At IGENOMIX, we can perform PGD for most single gene disorders. We have a panel of common conditions for which the PGD test is already developed.
- The option of performing PGD and PGS in the same biopsy is also available.

Panel of common single gene disorders in India

- **CYSTIC FIBROSIS – CFTR gene**
  - i) c.1521_1523delCTT; p.F508del
- **BETA THALASSEMIA – HBB gene**
  - i) IVSI-1G > T
  - ii) IVSI – 5G > C
  - iii) Codon8/9 (+G) also known as c.27_28insG
  - iv) Codon 41/42 (-TCTT) also known as c.124_127delTCTT
  - v) 619bp deletion
  - vi) Codon 15G > A
- **SICKLE CELL DISEASE – HBB gene**
  - i) c.20A > T; p.E6V
- **SPINAL MUSCULAR ATROPHY – SMN1/SMN2 gene dosage**
  - i) EXON 7-8 Deletion
- **HAEMOPHILIA TYPE A – F8 gene**
  - i) INVERSION IVS22

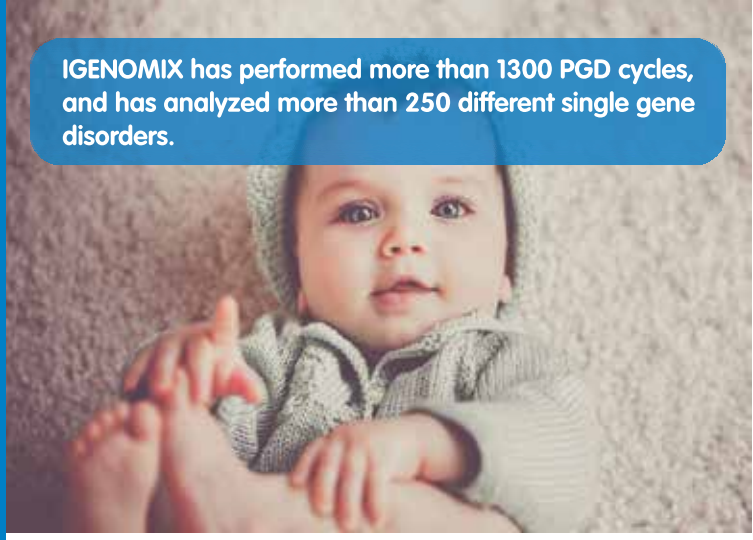
(We aslo offer PGD for other single gene conditions which require personalized development)

80% are common disorders

And

20% are less common disorders

IGENOMIX has performed more than 1300 PGD cycles, and has analyzed more than 250 different single gene disorders.



5 Steps to perform the PGD

1. **Consultation**
   Send in the genetic report and consultation form
   Answer within 3 days
2. **Pre-PGD**
   Send us the requested samples along with test requisition and consent forms
   Answer within 2 weeks for common disorders & 6 weeks for less common disorders
3. **IVF cycle and Day 5 biopsy**
   Extended embryo culture Day 5 embryo biopsy plus vitrification Biopsy delivery to IGENOMIX
4. **PGD**
   Embryo results within 2 weeks
   (Inquire for specific urgent cases)
5. **Normal Embryo Transfer**

Request your test now

Call us: +91 11 6651 7800