PGD

PGT-M

Preimplantation Genetic Diagnosis for Single Gene Disorders

igenomix

PIONEERS IN **REPRODUCTIVE GENETICS**

Promoting healthy pregnancies by preventing the transmission of single gene disorders

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

PGD helps couples who have an increased risk for a genetic disease conceive a healthy baby.

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 monogenic 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

Autosomal-Dominant Polycystic Kidney Disease	Fragile-X syndrome
Autosomal-Recessive Polycystic Kidney Disease	Hemophilia A (F8)
Becker's muscular dystrophy	Hemophilia B (F9)
Beta thalassemia	Huntington's disease
Congenital adrenal hyperplasia (gene CYP21A2)	Multiple endocrine neoplasia, type 2A
Cystic fibrosis	Myotonic dystrophy (Steinert's disease)
Charcot-Marie-Tooth disease type 1A	RhD incompatibility
Duchenne muscular dystrophy	Spinal muscular atrophy
Familial amyloid polyneuropathy	X-linked adrenoleukodystrophy

We also offer PGD for other single gene conditions which require personalized development

(*)Familial cases: DNA from key samples are requiered.

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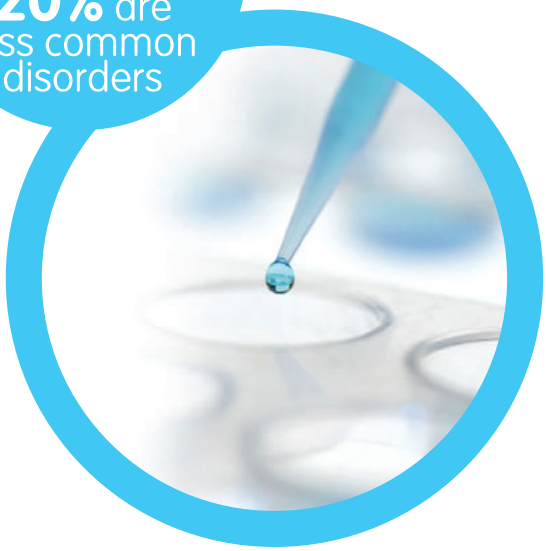
PROMOTING HEALTHY PREGNANCIES BY PREVENTING THE TRANSMISSION OF SINGLE GENE DISORDERS

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

80% are common disorders and **20%** are less common disorders



Why IGENOMIX?

- More than 10 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

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