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

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 required.
5 Steps to perform the PGD

1. Consultation
   - Send in the genetic report and consultation form
   - Answer within 7 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
   - Embryo results within 2 weeks (Inquire for specific urgent cases)

4. PGD
   - Normal

5. Embryo Transfer

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

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