Why do a CGT test?

If both members of the couple obtain a positive result in the **Carrier Genetic Test** with a mutation in the same gene, the recommendation is to consult with a specialist about the options for conceiving a healthy child.

With the Carrier Genetic Test by IGENOMIX, the probability of a newborn with a genetic disease **decreases from 1:100 to 1:100,000 (approx.)**

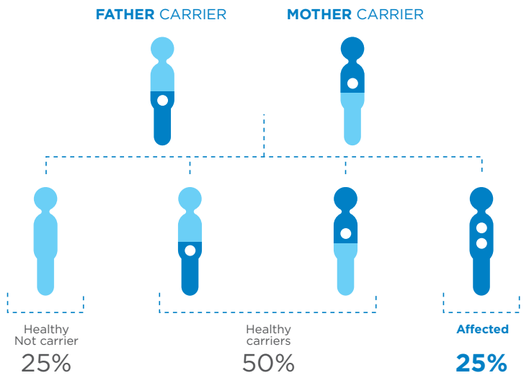
What happens if I'm a carrier?

NOTHING.
Being a carrier of a mutation doesn't mean you will develop the illness*

*autosomal recessive or X-linked disorders (women)

What if both parents are carriers?

Although carriers are healthy people, if both parents have a mutation in the same gene, the probability of having a sick child is 25%.



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CGT | Carrier Genetic Test

The most responsible way to plan your family

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CGT | Carrier Genetic Test

A simple DNA test
prior to pregnancy which prevents genetic disorders in the baby

The most responsible way to plan your family

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What is the IGENOMIX **C**arrier **G**enetic **T**est?

The CGT is an important genetic test when planning a family, because **it helps to determine the risk of having a child with a genetic disease.** The test tells us whether the parents carry one or more recessive genetic mutations.

CGT helps prevent disorders which can't be cured

What are genetic diseases?

Changes in the genes are called mutations. Diseases caused by a mutation in one gene are called single gene disorders. Until now we could prevent their transmission to the newborn if the parents already knew that they had the mutation, but we couldn't detect what mutation healthy carriers had.

The Carrier Genetic Test (CGT) allows us to know what genes are altered in each person.

CGT Data Results

1.471 Samples

2.1 Pathogenic genes per person

No pathogenic genes **7.1%**

Risk of having an affected child

138

5%

In our last study (of 138 couples) 5% had a high risk of transmission to their offspring for:

Hemophilia A (F8 gene)
Smith-Lemli-Opitz (DHCR7 gene)
Polycystic Kidney disease (Recessive; PKHD1 gene)
Fragile X (FMR1 gene)
Cystic fibrosis (CFTR gene)
Retinitis pigmentosa (Blindness; ABCD4 gene)

A Comprehensive Carrier Genetic Test Using Next-Generation DNA Sequencing in Infertile Couples Wishing to Conceive through Assisted Reproductive Technologies Fert & Ster 2015 In press.

There is a different CGT test for every patient's needs

At Igenomix we have developed 3 different tests which, by means of NGS technology, will allow us to select a different test depending on the needs of each particular case and adapted to the needs of each patient.

Posibility to choose between 3 different CGT options according to your needs

CGT 600 — Genetic Diseases Analyzed by NGS — Genetically Tested

Analyzes by massive sequencing 549 genes linked to more than 600 genetic diseases and 40,000 DNA variants. Most complete panel currently available.

- Being tested by such a complete panel guarantees maximum efficiency of gamete bank
- CGT Match included
- Delivery of results **20 business days.**

CGT 250 — Genetic Diseases Analyzed by NGS — Genetically Tested

Panel which includes analysis by massive sequencing (NGS) of 250 genes associated to the most prevalent diseases.

- Applying the 250 panel to a gamete bank guarantees its efficiency because this means it is genetically tested.
- It avoids incompatible donations which could result in children being born with a genetic disorder.
- CGT Match included.
- Delivery of results: **20 business days.**

CGT ONE — Genetic Diseases Analyzed by NGS — Genetically Tested

Recommended in cases where the person has a family history and believes they carry a mutation in a specific gene. CGT One uses NGS to sequence the entire gene or a panel of genes linked to the disease in order to locate the existing mutations.

Features:
- Analysis of the gene requested by the patient.
- Delivery of results: **20 business days.**

Is your gamete bank genetically tested?

CGT | Match

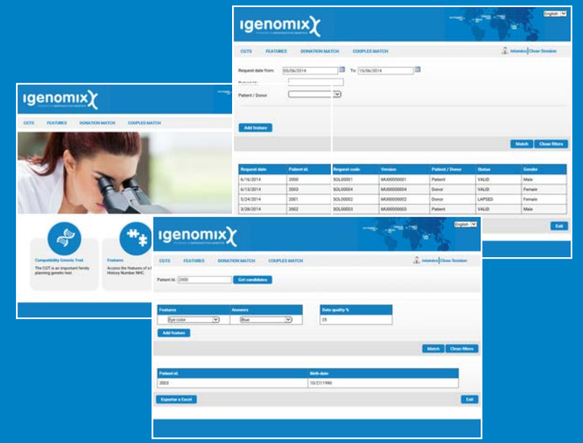
CGT Match is a powerful tool which allows the use of any donor even if they carry pathogenic genes.

Our donor compatibility software allows us to study all our donors and find one genetically compatible with the patient without having to analyze and pay to get each donor tested until a matching one is found.

In the last year, CGT Match has prevented banks from offering genetically incompatible eggs to 227 couples, avoiding a personal, social and economical cost to the patient and the to the bank.

Allows access to our donors' egg and sperm databases.

What is genetic matching?



Why work with us?

Clinically validated test

- State of the art technology: NGS is the most powerful tool available to analyze genes.
- We work with results, not with probabilities.
- We analyze all mutations of the gene, not some of them.
- **Igenomix Match allows you to use any donor even if they carry pathogenic genes.**
- CGT avoids offering eggs genetically incompatible:
  - CGT avoids offering genetically incompatible eggs.
  - Genetic and Clinical counselling with doctors and patients.

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