CGT Carrier Genetic Test

Igenomix® WITH SCIENCE ON YOUR SIDE

CGT is an advanced pre-conception carrier genetic test

CGT determines whether a couple are carriers of genetic mutations that could be transmitted to their children.

CGT uses Next-Generation Sequencing (NGS) to test for disorders including Cystic Fibrosis, Spinal Muscular Atrophy and Fragile-X Syndrome.

More than 20,000 clinical tests performed

The American College of Obstetricians and Gynecologists (ACOG) makes the following recommendations:

Information about genetic carrier screening should be provided to every pregnant woman.

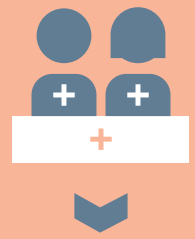
Carrier screening and counseling should be performed **before pregnancy**.

20%

Inherited disorders represent **20%** of the causes of infant mortality in developed countries*

*According to the World Health Organization (WHO) http://www.who.int/genomics/public/geneticdiseases/en/index2.html" www.who.int/genomics/public/geneticdiseases/en/index2.html

What should be done when both parents test positive?



- Preimplantation genetic diagnosis **(PGT-M)**
- **Egg or sperm donation**
- **Adoption**

If the couple tests positive, it's recommended to consult a Specialist.

www.igenomix.com

June 2019

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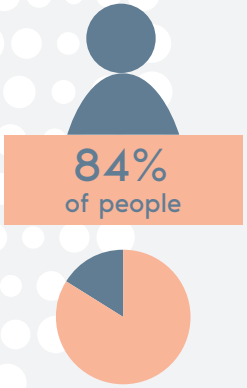
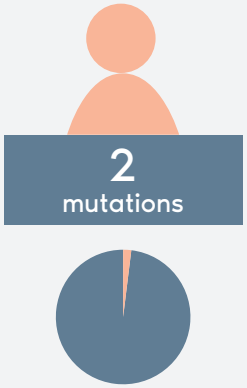


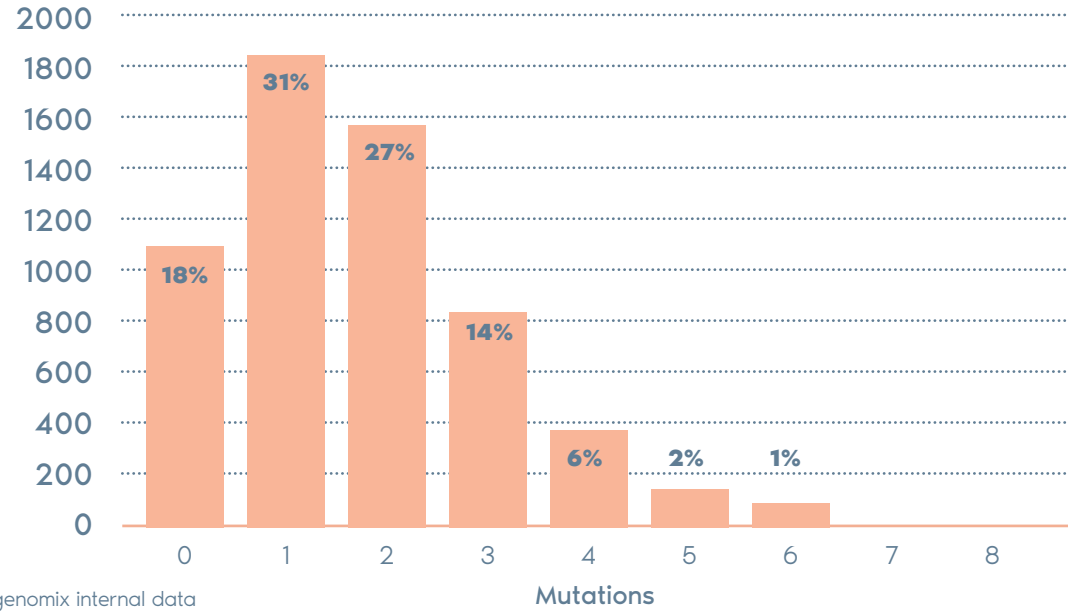
84% of individuals screened are identified as carriers of at least one condition*



The average person is a carrier of **2** disease-causing mutations*

* Martin J, et al. Comprehensive carrier genetic test using next-generation deoxyribonucleic acid sequencing in infertile couples wishing to conceive through assisted reproductive technology. Fertil Steril. 2015

DISTRIBUTION OF THE NUMBER OF MUTATIONS IN THE GENERAL POPULATION



*Igenomix internal data

With donated gametes

The Igenomix blind-matching system allows identification of a genetically compatible donor

Two types of panel:

PLUS: 600 diseases and more than 6,000 mutations analyzed.
BASIC: 250 genetic disorders studied.
The sensitivity of the test is 98%.

With own gametes

5% of couples carry the same mutation*

↓

PGT-M to minimise transmission risk

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