

CGT

The CGT test from Igenomix provides a powerful and exclusive computerized tool called Igenomix Match. This software allows genetically matched gametes to be selected for a recipient after analyzing the egg or sperm bank of an assisted reproduction clinic.

This unique system allows the clinic the opportunity make a bank available which has been pre-screened for more than 600 genetic diseases. This includes Cystic Fibrosis and Fragile X Syndrome which have a high prevalence in this group of diseases.



1

Perform a karyotype



Perform a karyotype to identify any chromosomal abnormalities.

2

Fragile X test.



Perform a Fragile X test.

3

CGT Donors



Carry out the a genetic compatibility test (GCT) on all of the donors. 549 diseases, 600 genetic disorders and 15,000 genetic mutations.

How is CGT applied in gamete donation?



Match
igenomix

2

CGT Patient



The CGT test is performed on the patient who is using their own gamete.

3

Match
igenomix

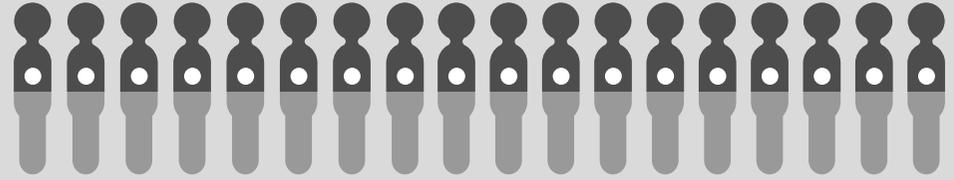
Once donors are tested, as well as the person who contributes their own gamete, our CGTMatch program performs a search to assign a compatible donor whose mutations do not match those of the patient.



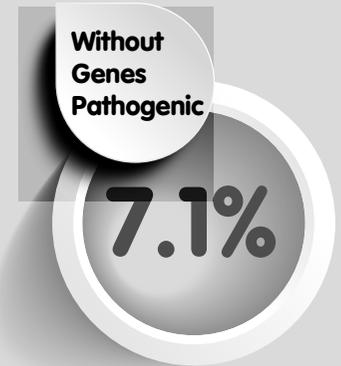
CGT Data Results



1,471
Samples



Igenomix Match allows you to use any donor even if they carry pathogenic genes



Clinical Incompatibility

8% In our last study (of 85 couples) we found that 8% are incompatible



- Haemophilia 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)