Every year many parents are caught off guard by the birth of a baby with some form of genetic disease. Igenomix has developed an advanced carrier genetic test, prior to pregnancy, that can reveal if a couple is at risk of having a baby with one of these serious illnesses. If the results of the test come back positive, the necessary steps can be taken to favor the birth of a healthy baby.

Each one of our cells contains genetic information, or DNA, organized into basic units, genes. Those that don’t function correctly are the ones responsible for genetic disorders.

At Igenomix we care about the health of your future baby

Igenomix has developed an advanced carrier genetic test, prior to pregnancy, that can reveal if a couple is at risk of having a baby with one of these serious illnesses. If the results of the test come back positive, the necessary steps can be taken to favor the birth of a healthy baby.

What are genes?
Each one of our cells contains genetic information, or DNA, organized into basic units, genes. Those that don’t function correctly are the ones responsible for genetic disorders.

Anyone can unknowingly carry one or more mutations. The CGT test allows us to know which genes are altered in each person.

What is the Igenomix Carrier Genetic Test?
The test 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.

Who is the CGT for?
The test is recommended in the following cases:
• Before attempting a pregnancy by natural means
• Before an assisted reproduction treatment
• Before treatment with donor sperm or eggs

www.igenomix.com
3 CGT testing options

<table>
<thead>
<tr>
<th>Features</th>
<th>CGT Essential</th>
<th>CGT Plus</th>
<th>CGT Exome</th>
</tr>
</thead>
<tbody>
<tr>
<td>Genes</td>
<td>19</td>
<td>306</td>
<td>1590</td>
</tr>
<tr>
<td>Numbers of diseases</td>
<td>20</td>
<td>352</td>
<td>&gt;1600</td>
</tr>
<tr>
<td>Estimated carrier rate (%)</td>
<td>18%</td>
<td>54.8%</td>
<td>62.7%</td>
</tr>
<tr>
<td>Estimated mean of mutations/indiv.</td>
<td>1.08</td>
<td>1.46</td>
<td>2.28</td>
</tr>
<tr>
<td>Sample</td>
<td>Blood or saliva</td>
<td>20 working days</td>
<td>20 working days</td>
</tr>
</tbody>
</table>

* Estimated mean of positive individuals
**Estimated mean of positive individuals

Why do a CGT test?

Generally, parents only realize they are carriers of serious genetic disorders after an affected child is born. Genetic disorders can’t be cured, but they can be prevented.

What happens if I’m a carrier?

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

What disorders are included?

According to data from the World Health Organization (WHO), the global prevalence of these illnesses is 10 in 1000 newborn infants. There are estimates that, taken together, indicate that these illnesses represent 25% of the causes of infant mortality in developed countries and that they are behind 15% of the interventions in pediatric hospitals.

The test covers a wide range of mutations that result in serious genetic illnesses. It includes screening of all the mutations recommended by professional gynecology and genetic associations.

What if both parents test positive?

The recommendation is to consult with a specialist about the options for conceiving a healthy child.

PDT-M can prevent those couples from having a baby with a disease.

Other parents may turn to egg or sperm donation to prevent these illnesses.

The parents can also think about adoption to avoid having a sick child.

Features

- Cost-effective solution
- Based on the recommendation of medical societies
- Whole exome compatible with most carrier platforms in the market

<table>
<thead>
<tr>
<th>Mothers</th>
<th>Fathers</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARRIER</td>
<td>CARRIER</td>
</tr>
<tr>
<td>Healthy</td>
<td>Healthy</td>
</tr>
<tr>
<td>25%</td>
<td>50%</td>
</tr>
</tbody>
</table>

What if both parents test positive?

The recommendation is to consult with a specialist about the options for conceiving a healthy child.

PDT-M can prevent those couples from having a baby with a disease.

Other parents may turn to egg or sperm donation to prevent these illnesses.

The parents can also think about adoption to avoid having a sick child.

<table>
<thead>
<tr>
<th>Mothers</th>
<th>Fathers</th>
</tr>
</thead>
<tbody>
<tr>
<td>CARRIER</td>
<td>CARRIER</td>
</tr>
<tr>
<td>Healthy</td>
<td>Healthy</td>
</tr>
<tr>
<td>25%</td>
<td>50%</td>
</tr>
</tbody>
</table>

According to data from the World Health Organization (WHO), the global prevalence of these illnesses is 10 in 1000 newborn infants. There are estimates that, taken together, indicate that these illnesses represent 25% of the causes of infant mortality in developed countries and that they are behind 15% of the interventions in pediatric hospitals.

The test covers a wide range of mutations that result in serious genetic illnesses. It includes screening of all the mutations recommended by professional gynecology and genetic associations.

See the complete panel of mutations included in the CGT test at www.igenomix.com