The carrier screening panel is a genetic test that simultaneously analyses mutations in at least **420 genes** which cause recessive and X-linked inherited pathologies. Diseases with a recessive inheritance pattern, like cystic fibrosis, are those in which the affected patient inherits two mutations, one from each healthy carrier parent. The theoretical risk for these couples is 25%.

ANALYZED GENES

Download the genes analyzed by the High Frecuency, Expanded and by Exome tests.

BIOARRAY
Genetic Diagnosis

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BIOARRAY ADVANCE™

CARRIER SCREENING PANEL

GENETIC DIAGNOSIS

BIOARRAY
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Who is this test for?

General population

Couples without a personal or familial genetic disease background who, in a preconceptional context, wish to know their risk of conceiving a child affected by a specific recessive inherited disease.

Consanguineous couples

They have an increased risk of recessive disease occurrence in their offspring.

People of ethnic backgrounds

In which some recessive diseases are more prevalent.

IVF

Couples that will undergo Assisted Reproduction treatment, as a complement to other diagnostic tests.

Sperm / Oocyte donors

In Assisted Reproduction Units the test can be used for sperm/oocyte donors, for a better selection and risk reduction of recessive and X-linked disease transmission.

High Frequency

Based on a 420 genes panel. The report includes only those genes with high frequency (greater than 1/100) and Fragile-X.

Expanded

The report includes the information of the 420 genes.

Automatic inclusion of deletions and duplications (CNVs) in highly prevalent genes.

Compact and highly didactic reports for patients and donors

Clinical Exome

6,800 genes are sequenced and more than 2,000 genes are analyzed.

Compatibility with 90% of the panels in the market.

Exome

The most comprehensive panel as it is based on whole exome sequencing.

More than 3,000 genes are analyzed.

Matching Platform

It is a web solution to perform genetic matching for patients and donors who have previously performed the Bioarray Advance ™ Carrier Panel.

It allows to know if two people are compatible or if they have a high risk of conceiving a child affected by a genetic disease.

IVF clinics will be able to make matchings of their choice, with the aim of maximizing compatibility in the selection of donors, reducing the risk of transmission of genetic diseases.

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