CENTOGENE
GUIDING PRECISION MEDICINE

Carrier Screening

CentoScreen **Genome**

Guiding Reproductive Health with Precision Medicine

At CENTOGENE, we understand the importance of planning for a healthy future. All of us are carriers of at least one genetic condition. Most carriers are healthy with no family history, but they are at risk of passing on a genetic condition to their child. Carrier screening is a genetic test that can assess the risk of being a carrier of an autosomal recessive or x-linked recessive disorder.

Anticipating the Risk of Having a Child With a Genetic Disease

CentoScreen Genome is the first screening test of its kind that utilizes Whole Genome Sequencing (WGS) to provide the most comprehensive genomic information available. This stand-alone test is designed to help couples learn about their risk of being a carrier of genetic variants that could be transmitted to their offspring, enabling informed familiy planning and ensure peace of mind.*

By leveraging **CentoGenome** as our backbone, we provide unparalleled genomic information, ensuring accurate and reliable results.

* Please note: CentoScreen Genome is a screening test and the results should be interpreted in the context of screening. Although a negative screening result significantly reduces the risk of being a carrier of a medical condition related to the panel genes, it does not eliminate the risk. A negative result for this panel does not rule out the possibility of a genetic condition in the consultand or their offsprint.

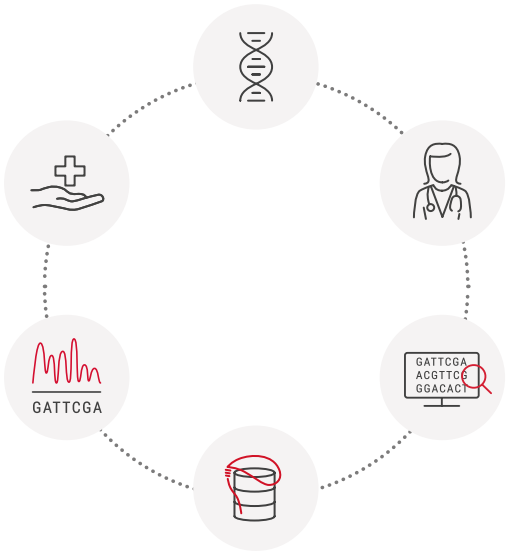
Why CentoScreen **Genome** Stands Out?

Expanded Carrier Screening

Our test covers more than 2,000 genes associated with with autosomal recessive and x-linked early-onset disorders, offering an extensive analysis of genetic risks.

ACMG Guidelines

Our screening considers the ACMG guidelines tier 3 genes ensuring the highest standards of genetic testing.*



Versatile Compatibility

Our test is compatible with various approaches including solo, couple, matching, and oocyte-bank scenarios.

Specialized Bioinformatic Pipelines

We use specific pipelines for complex variants such as *SMN1*, *FMR1*, *CYP21A2*, and *GBA*, ensuring accurate detection in one assay.

All-in-One Test

Our test is a comprehensive test that maximizes complex variant detection which makes it a convenient choice for couples.

Accurate Variant Screening

Our test accurately identifies pathogenic and likely pathogenic variants using trusted databases like HGMD, ClinVar, ClinGen, and CENTOGENE Biodatabank.

* Assay limitations apply: Repeat expansion variants in *AFF2* and *ARX* are not detected as part of the NGS analysis. *CYP21A2* screening analysis can only detect the presence of nonallelic homologous recombination variants.

For More Information
centogene.com

For Ordering
centoportal.com

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