CooperGenomics℠

PGT-M

Reduce the Risk of Genetic Disease

CooperSurgical

Fertility and Genomic Solutions

A healthy next generation

For those with a genetic disease in the family, the decision to have a baby can come with added concerns about the health of your future child. CooperGenomics PGT-M (preimplantation genetic testing for monogenic/single-gene defects) is an option that allows you to take action before pregnancy to give you the confidence that a healthy child is on the way.

PGT-M is a genetic test performed on embryos produced through in vitro fertilization (IVF) with the goal of identifying and transferring an embryo free of the condition.

Who is PGT-M appropriate for?

PGT-M is appropriate for those who know they are at increased risk of having a child with a specific genetic condition.

CooperGenomics can perform PGT-M for almost any single-gene condition with an identified mutation, as long as the appropriate family members are available for genetic testing to help with the test development process.

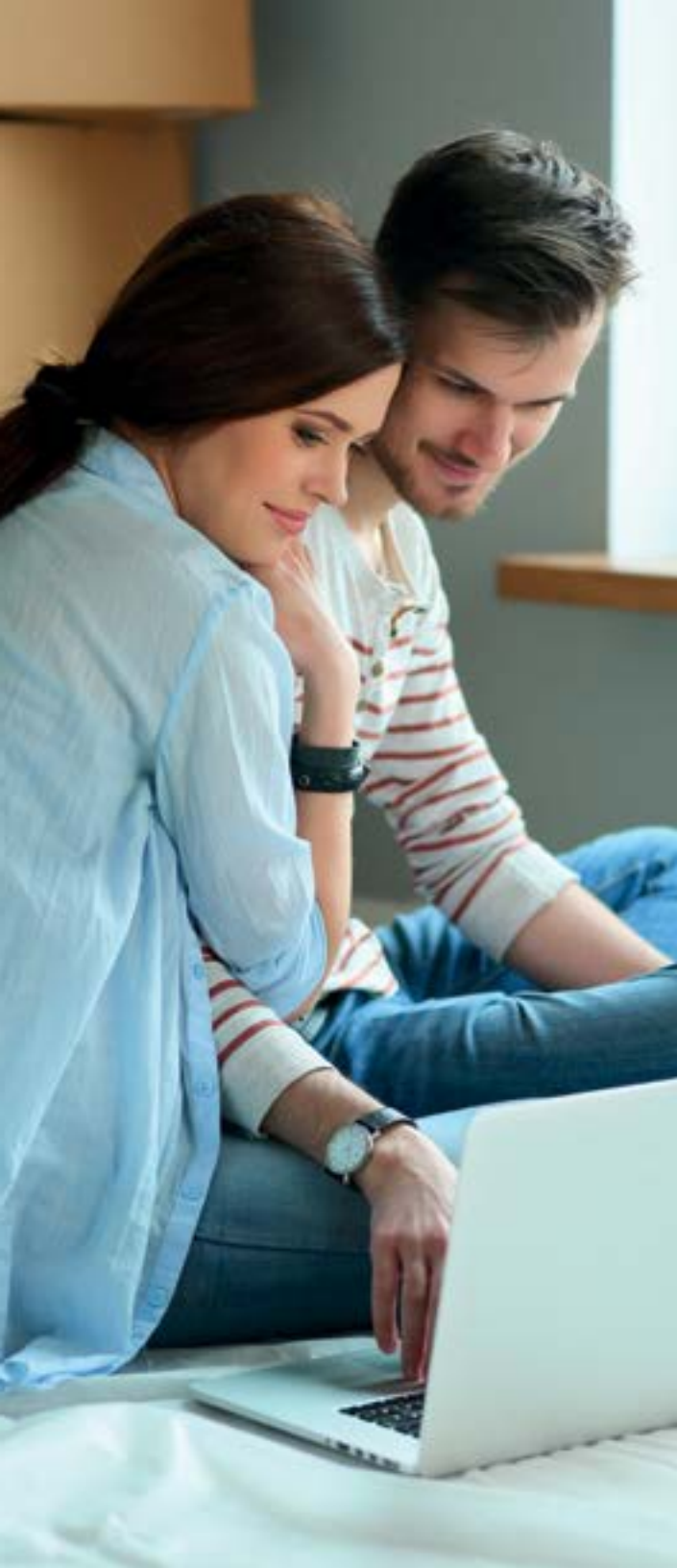
You might consider PGT-M if you and/or your partner are carriers of or are affected with a single-gene disorder or hereditary cancer syndrome

such as:

- Cystic Fibrosis
- Fragile X Syndrome
- Huntington's Disease
- Breast/Ovarian Cancer (BRCA1 & 2)

Did you know?

PGT-M is also referred to as PGD, or preimplantation genetic diagnosis.



The testing process

Case review

Prospective parents meet with a board-certified genetic counselor to review the case and discuss the testing process.

PGT-M test preparation

A custom PGT-M test is designed for your family.

IVF & embryo biopsy

IVF is performed, and after a few days of embryo development, a small sample of cells is carefully removed from the part of the embryo that will form the placenta. Samples are sent to CooperGenomics' laboratory while your embryos remain safe at your clinic.

PGT-M

CooperGenomics uses cutting-edge technology to test each sample for the condition in question.

Results & transfer

Results are sent to your healthcare provider, and our genetic counselors are available to review these with you in detail. If available, an embryo without the condition in question can be selected for transfer or frozen for future use.

Advanced Technology

CooperGenomics PGT-M is performed with Karyomapping technology, which looks at the genetic fingerprint of your embryo samples to give you results with over 95% accuracy.

>95%
ACCURACY

CooperGenomics PGT-M Identifies Affected & Unaffected Embryos with >95% Accuracy[1]

This technology allows for:

- Faster test preparation
- Testing of multiple conditions
- HLA matching
- Addition of PGT-A without the need for an additional sample

PGT-A, or PGT for aneuploidies, can be performed alongside PGT-M to increase your chance of getting pregnant and having a healthy baby through IVF. Talk to your doctor to learn more. (PGT-A is also known as PGS).

[1] Internal CooperGenomics data

Trusted results from PGT experts

The scientists behind CooperGenomics worked on the first-ever PGT-M procedure, and since then we have performed PGT-M for **more than 7,500 families.**

This unmatched level of experience allows us to confidently accept even the most complex cases, which are often turned down by other labs.

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Testing is performed by Reprogenetics, Recombine, Genesis Genetics, or other clinical laboratories affiliated with CooperGenomics.

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