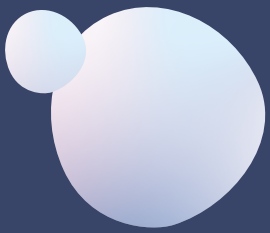
PANDA
Panel Diagnostic Analysis

PANDA

With the PANDA test on the path to a healthy future

Are you planning to have a baby or want to learn more about your reproductive health?



PANDA provides key insights and reveals whether your future child is at risk of common inherited disorders.

Why PANDA?

PEACE OF MIND

4 in 100 couples face the risk of having a child with a genetic disorder. With the PANDA test, you can help prevent this risk.

FAST AND ACCESSIBLE

All it takes is a simple blood draw.

Trust PANDA.

What is PANDA?

PANDA (Panel Diagnostic Analysis) is a cutting-edge blood-based genetic test designed for anyone planning a family—whether you're trying to conceive naturally or using assisted reproduction.

HOW THE TESTING WORKS:

Blood Collection

A small blood sample is taken from you and your partner.

DNA Analysis

In our molecular genetics lab, DNA is extracted from the blood and analyzed by our experts.

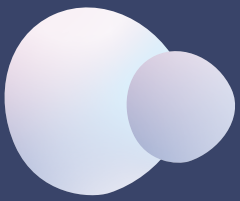
Results

The test compares your and your partner's DNA variants to determine genetic compatibility and identify any potential risk of passing on an inherited condition to your child.

Consultation

During a final consultation with a clinical geneticist, you will go through the test results, their implications, and possible next steps together.

4 weeks



Many couples only learn about their genetic predispositions after the birth of a child with a serious disorder. With PANDA, you can detect these risks early and make informed decisions.

From PANDA Basic to PANDA Carrier

WHO CREATED PANDA

In 2018, the PANDA Basic test (originally PANDA Infertility) was developed directly at the Repromeda clinic as a breakthrough tool for preconception genetic diagnostics. At the time, it marked a significant advancement in testing, and since its introduction, more than 9,000 patients have undergone the test.

Today, we know that tests covering fewer than 110 genes, such as PANDA Basic, do not provide sufficient protection against genetic risks and fall short of expert recommendations.

Science keeps advancing, and we evolve with it. In 2021, thanks to progress in research and modern methods, we introduced the expanded PANDA Carrier test.

The choice is of course yours. If you do not wish to undergo full carrier screening, you can opt for the PANDA Basic version, which includes only basic testing but does not offer the same level of prevention as the more comprehensive tests.

What tests do we offer?

LEARN MORE ABOUT OUR COMPREHENSIVE TESTING OPTIONS

Our top recommendation for identifying genetic risks in your future child is the **PANDA Carrier test**. This test follows the guidelines of the American College of Medical Genetics (ACMG) for preconception screening and is ideal for anyone planning a family.

We also offer other options tailored to the specific needs of couples.

The ILGA (Infertility Linked Genotype Analysis) provides a detailed examination of genetic factors related to infertility.

If you‘re looking for the most comprehensive solution, **PANDA Complete** combines the benefits of both ILGA and PANDA Carrier, offering the broadest genetic analysis available.

Extended Gene Panel

PANDA Carrier

625 EUR / person

» 110 recessive genetic disorders

» Basic genetic factors affecting fertility, placental function, and the risk of recurrent miscarriage

Causes of Infertility

ILGA (Infertility-Linked Genotype Analysis)

625 EUR / person

» Genetic factors affecting embryo development

» A comprehensive panel of genes related to infertility and repeated miscarriage

» Factors affecting successful fertilization

The most comprehensive genetic analysis

PANDA Complete

1 042 EUR / person

» **PANDA Carrier + ILGA**

PANDA Carrier

625 EUR

Extended gene analysis

Who is it for?

» Anyone planning a family.

» Couples who want to minimize genetic risks and ensure a healthy future for their child.

» Couples experiencing difficulty conceiving or recurrent miscarriages.

What does it test

» Up to 110 of the most common recessive monogenic diseases.

» Besides diagnosing rare conditions such as cystic fibrosis or spinal muscular atrophy, it also screens for vision and hearing disorders, musculoskeletal diseases, and skin conditions.

» Genetic causes of infertility and pregnancy complications.

» Thrombophilic mutations

ILGA

Infertility-Linked Genotype Analysis

625 EUR

Causes of Infertility

Who is it for?

» Couples wanting to understand the genetic causes of infertility and help physicians choose the most suitable treatment plan.

What does it test

» For women: identification of genetic factors affecting egg maturation and embryo development.

» For men: analysis of genes linked to significant sperm production disorders.

» In general: detection of genetic defects that may reduce or prevent successful egg fertilization in both men and women.

Most extensive gene analysis

PANDA Complete

ILGA + PANDA CARRIER

1 042 EUR

» The most comprehensive couple's genetic compatibility test. Combines the benefits of ILGA and PANDA Carrier and provides in-depth insights into factors affecting fertility and the health of your future child.

» A single test can assess your genetic compatibility and the risk of passing on a serious genetic condition.

» This test can help answer questions about increasing your chances of successful pregnancy, explain difficulties with conceiving, or the failure of embryo development (e.g., in cases of recurrent miscarriage or IVF treatment).

Why is genetic testing important?

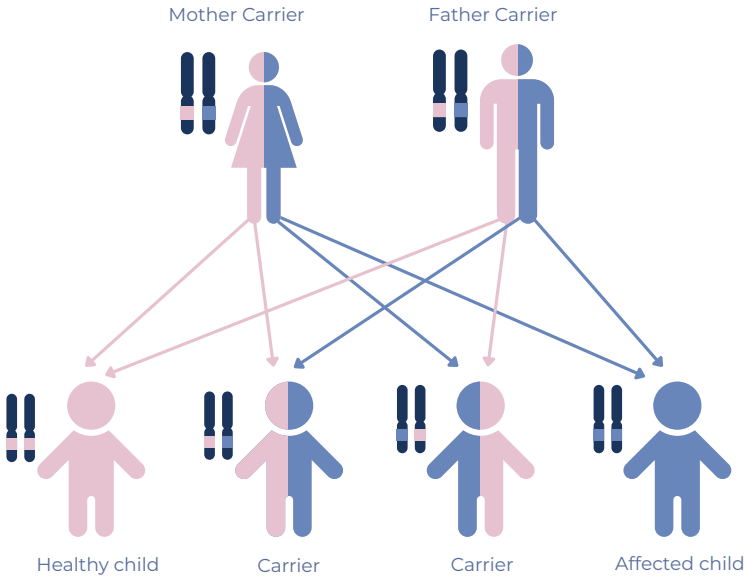
ANYONE CAN BE A CARRIER OF A GENETIC BURDEN

Knowing your genetic makeup is a powerful tool in planning for a healthy family.

Most people are carriers of 2 to 10 genetic diseases. While some pose no health threat, others—such as cystic fibrosis or spinal muscular atrophy—can have serious health consequences.

If both partners carry the same mutation, there is a **25% chance their child will inherit the disease.**

How do recessive genetic diseases work?

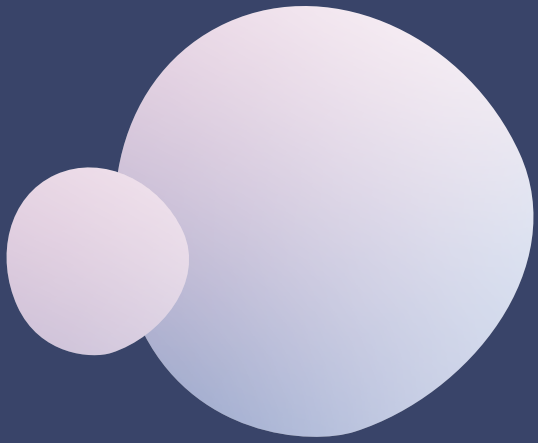


» **Everyone has two copies of each gene—one inherited from each parent**

» **In the case of recessive genetic disorders:**

» If a mutation is inherited from only one parent, the other gene copy remains healthy, making the person a healthy carrier.

» The problem arises when a child inherits a mutation from both parents—two defective copies of the same gene.

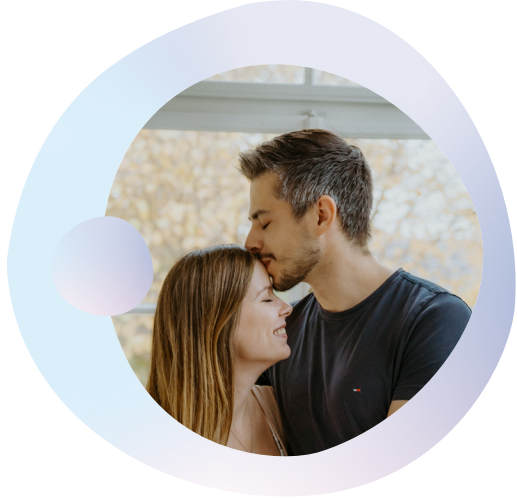


PANDA detects possible genetic risks and helps you take preventive steps for the health of your future child.

Frequently Asked Questions

WHAT IF MY PARTNER AND I CARRY A MUTATION IN THE SAME GENE?

There is still a path to a healthy baby. You can use preimplantation genetic testing of embryos. This testing is part of assisted reproduction methods and enables the selection of embryos without genetic defects. Only embryos free of mutations are transferred to the uterus, preventing the disease from being passed on to the child.



HOW MUCH DOES THE PANDA TEST REDUCE THE RISK OF HAVING A CHILD WITH A GENETIC DISORDER?

The PANDA Carrier test reduces the likelihood of having a child with a hidden mutation-caused genetic disorder by **10–20 times**.

repromeda

Where can you get the PANDA test?

REPROMEDA, Brno
Studentská 812/6
+420 545 212 212
brno@repromeda.cz

REPROMEDA, Ostrava
Dr. Slabihoudka 6232/11
+420 553 611 611
ostrava@repromeda.cz

Genitrix s.r.o., Praha
Hartigova 2427/205
+420 251 642 508
ivf@genitrix.cz

Didn't find a sample collection point near you?

Contact us and we'll help you find the best option.

www.pandatest.cz/en