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PANORAMA prenatal test



The PANORAMA test is a prenatal DNA-searchtest that gives you relevant information about your baby's health:

- Search for genetic disorders such as Down's Syndrome.
- Lowest false positive rate of all prenatal tests in the investigation of the most common chromosomal anomalies.
- Can be performed from the 10th week of pregnancy onwards (≥ 9 weeks + 0 days).
- No risk for yourself or your baby.

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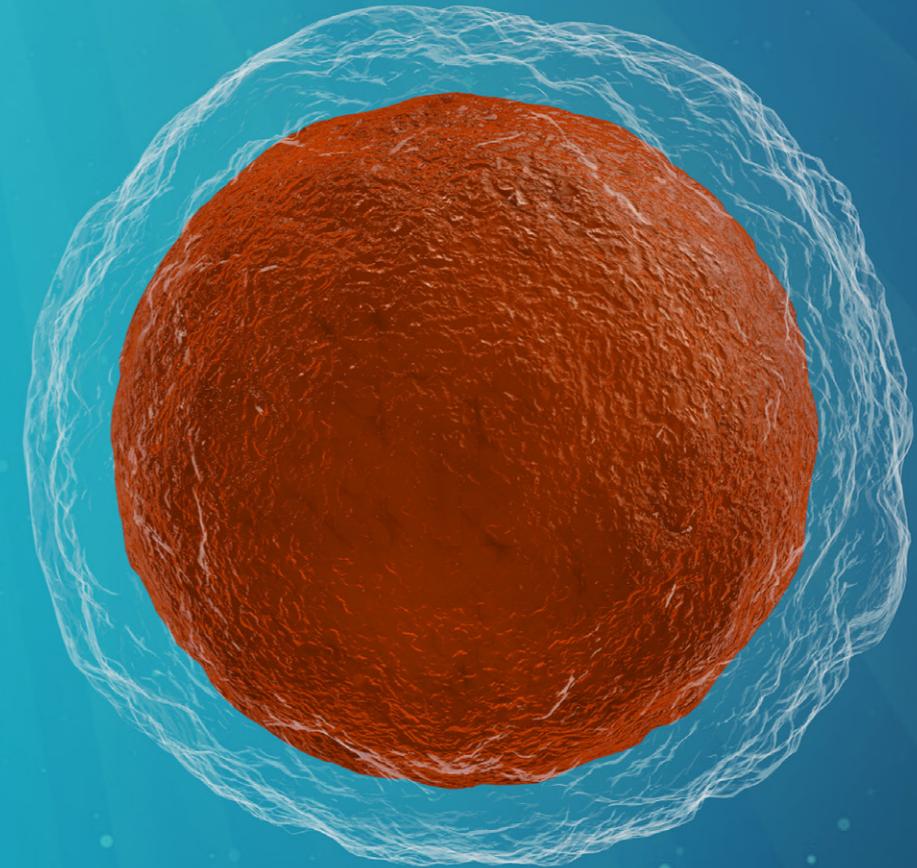
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Genetica AG is accredited according to the ISO / IEC 17025 standard.



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What is the PANORAMA test?

The **PANORAMA test is a non-invasive prenatal test (NIPT)** that requires some blood to be drawn from the maternal arm. During pregnancy, part of the child's DNA enters the mother's bloodstream. The PANORAMA test analyses this child's DNA from the mother's blood sample for certain genetic disorders that may affect your baby's health.

What is the PANORAMA test looking for?

The test looks for genetic abnormalities caused by additional or missing chromosomes in your baby's DNA

- Down-Syndrome (Trisomy 21)
- Edwards-Syndrome (Trisomy 18)
- Patau-Syndrome (Trisomy 13)
- Triploidy
- Certain anomalies of the sex chromosomes
 - Turner-Syndrome (Monosomy X)
 - Klinefelter-Syndrome (XXY)
 - Jacobs-Syndrome (XYY)
 - Triple-X-Syndrome (XXX)

The test is also possible for twin and egg donor pregnancies.

In addition to these chromosomal abnormalities, optionally a test to screen five microdeletion syndromes is possible.

What is a microdeletion?

The missing of a small piece of a chromosome is called a microdeletion. Unlike Down-Syndrome, which is more common in mothers who are 35 or older, microdeletions are equally likely to occur in mothers of all ages. While many microdeletions have little effect on a child's health or life, there are others that lead to mental retardation and birth defects.

What information does the test provide?

The PANORAMA test is used to determine your personal risk score and whether your baby has a low or high risk for the diseases covered by the test. Just like other search tests, the PANORAMA test does not provide a definite diagnosis.

Possible results of the PANORAMA test?

Result "low risk": This result means that it is unlikely that your baby will be affected by any of the diseases examined. It should be noted, however, that the result "low risk" does not guarantee a healthy baby, as the PANORAMA test is not a diagnostic test, especially as it only searches for certain clinical conditions.

Result "high risk": This result indicates an increased risk that your baby may be affected by a particular condition – but this is not a 100% event. Invasive tests during pregnancy, such as amniocentesis or chorionic villus, and postnatal examinations must be used to determine whether a certain clinical condition is present. Talk to your medical doctor or health care professional about other possible tests.

No result: For a small percentage of PANORAMA tests, the blood sample provides too little information for an accurate result. In such a case it is advisable to take a new blood sample.

What distinguishes the PANORAMA test?

Thanks to its unique technology, this test is the only NIPT in which it is possible to distinguish between the mother's DNA and the child's placental DNA.

Why is that important?

Fewer false-positive results: Since the child's DNA is analyzed separately in the PANORAMA test, this test generates fewer false-positive results than other NIPTs.

Triploidy: The PANORAMA test is the only NIPT with which a triploidy can be determined. Triploidy is a chromosomal disorder that can lead to severe pregnancy complications.

Quality of the test results: The PANORAMA test detects over 99% of all cases of trisomy 21, trisomy 18, trisomy 13 and triploidy and about 92% of all cases of monosomy X.

Highest accuracy in the measurement of the fetal fraction: The unique technology of this test allows a very accurate measurement of the amount of child DNA in the blood (fetal fraction), which is an important analytical criterion.

Which requirements are important?

Some women have a higher risk of certain conditions, such as Down's syndrome, especially when:

- They are over 35 years old.
- There is a hereditary predisposition in the family.
- Abnormal ultrasound findings are present.
- The first trimester test revealed abnormal findings.

The PANORAMA test is suitable for pregnant women of all ages.

Exception: Pregnant women who have undergone a bone marrow transplantation.

When do I get my test results?

Your medical doctor will usually get the results **within 7 working days**.

When can the PANORAMA test be performed?

This test can be performed as early as the 10th week of pregnancy (≥ 9 weeks + 0 days).

How much does the PANORAMA test cost?

The PANORAMA test: CHF 510.- for trisomy 21, trisomy 18, trisomy 13 and triploidy. (reimbursement by the health insurance in case of indication)

Anomalie of the sex chromosomes (X,Y): CHF 150.- (no reimbursement by the health insurance)

The **sex** may only be communicated after the end of the 12th week of pregnancy.

The optional microdeletion test: CHF 250.- (no reimbursement by the health insurance)

Further information can be found at: www.praenatale-tests.ch

