NIPT Panorama

Learn more about your baby's health.

NIPT Panorama is a test that studies fœtal DNA in maternal blood that provides information about the likelihood of your baby having certain chromosomal conditions.

LABORATORIO ECHEVARNE

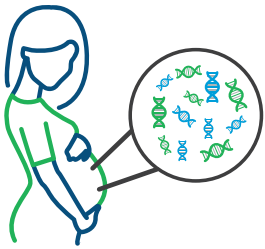
What is Panorama NIPT and how can it help you during pregnancy?

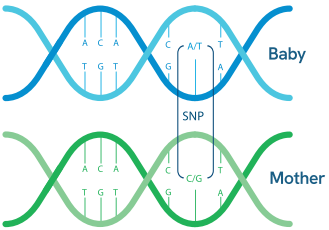
Noninvasive Prenatal Testing is a test performed on maternal blood that studies foetal DNA and provides information on the risk that your baby has certain chromosomal disorders.

- → It is a safe, non-invasive test that evaluates your baby's risk.
- → The results are more accurate and reliable than those obtained from maternal serum screening.
- → As early as nine weeks gestation.
- → It only requires drawing blood from the pregnant woman.
- → It does not pose any risk to the baby.

Why choose Panorama NIPT?

Panorama NIPT is the only test that distinguishes between maternal and foetal DNA. It analyses the DNA "letters" that differentiate us (Single nucleotide polymorphism (SNP)).





Next generation sequency technology and the application of Artificial Intelligence validated in the largest prospective treatment ever: SMART. This means:

- → Fewer false positives and false negatives.
- → More reliable for determining sex.
- → Capacity to detect Triploid syndrome.
- → Increased 22q11.2 deletion detection accuracy.

Which conditions CAN the test detect?

It analyses the most common chromosomal conditions that can occur in pregnancy.

Condition	NIPT	NIPT PLUS	EXTENDED NIPT
▪ Down syndrome (trisomy 21) ▪ Edwards syndrome (trisomy 18) ▪ Patau syndrome (trisomy 13) ▪ Triploid syndrome (69 chromosomes)** ▪ Fœtal sex	✓	✓	✓
▪ Turner syndrome (X0)** ▪ Sex Chromosome Trisomy*: – Klinefelter's Syndrome (XXY) – Jacob's Syndrome (XYY) – Triple X Syndrome (XXX) ▪ 22q11.2 deletion syndrome**	–	✓	✓
▪ Additional microdeletions**: – Angelman Syndrome – Prader-Willi Syndrome – Cri-du-chat Syndrome – 1p36 deletion syndrome	–	–	✓

* Not valid for ovodonation and non-identical twins. Reports only if detected.
** Only for single natural pregnancy.

What are microdeletions?

A microdeletion is the absence of a small piece of chromosome. Unlike Down Syndrome, which is more common in women aged 35 and over, microdeletions occur with the same frequency at any age.

Special cases

For special pregnancy situations—whether singleton, twin, via egg donation, or with vanishing twin—we offer advanced TPNI options that provide precise and customised analysis for each case. These modalities can be performed from the 10th week of pregnancy.

Condition	NIPT Special	NIPT Special Plus	NIPT Monogenetics[1]
Down syndrome (trisomy 21)	✓	✓	✓
Edwards syndrome (trisomy 18)	✓	✓	✓
Patau syndrome (trisomy 13)	✓	✓	✓
Chromosome Y	✓	✓	✓
Other trisomy	–	✓	✓
Sexual Aneuploidies [1]	–	✓	✓
92 Microdeletion/Duplication >3Mb	–	✓	✓
202 Monogenic Dominant Diseases (6,246 mutations)	–	–	✓

1. Singleton natural pregnancies only.

Expanded Non-Invasive Prenatal Test (NIPT) for Monogenic Disorders

This test extends the NIPT to include the detection of monogenic diseases.

- Evaluates the risk of 202 dominant monogenic disorders associated with specific alterations in 155 genes.
- Includes skeletal, neurological, and muscular disorders, craniosynostosis, and multisystem syndromes.
- High cumulative incidence.
- Difficult to detect before birth.
- Challenging to treat after birth.
- It includes the SPECIAL PLUS monogenic disorders panel.

If you are pregnant with twins,

we provide the most detailed information.

- ✓ Each baby's sex.
- ✓ Each baby's foetal fraction.
- ✓ Zygosity (whether or not the babies are identical).

Most results are returned within eight business days[1].

1. From the arrival of the sample at the laboratory.

NIPT Panorama limitations:

- Twin pregnancy from ovodonation, evidence of evanescent twins (vanishing twin syndrome) or if you have received a blood transfusion or bone marrow transplant within the last six months. We have the NIPT Special Cases Test for cases like these (ask the Laboratory).
- It may not detect fœtal mosaicism of trisomies, partial alterations of the chromosomes studied or all deletions associated with each microdeletion syndrome.

What results might I obtain?

You will receive a personalised report which indicates whether your pregnancy is high or low chance for any of the conditions tested for.

LOW RISK	This means the chance your baby has one of the conditions screened for is very low.
HIGH RISK	This means there is an increased probability that your baby has one of the conditions screened for.

In case of a high risk result:

- If the NIPT Panorama test gives a high risk result, talk to your doctor to discuss next steps and the option of invasive diagnostic tests such as amniocentesis or chorionic villus sampling.
- A definitive diagnostic test on amniotic fluid is required for confirmation.
- Laboratorio Echevarne offers, included in the price of the Noninvasive Prenatal Test, the QF-PCR diagnostic test or the CarioChip® Prenatal molecular karyotype.

Panorama is the most ordered NIPT in the world, with AI technology.

- Increased 22q11.2 deletion detection accuracy.
- Rigorous scientific validation.
- Ten years of analytical experience.

Non-invasive prenatal testing

See our website for more information about the test:

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