



NIPT

Non-invasive prenatal test
with high reliability



What is NIPT by Life Genomics?

It is a simple, safe, and very reliable non-invasive prenatal test (NIPT), with which you can check the risk of your baby having the most common chromosome abnormalities, such as **Down, Edwards, Patau syndrome and others.**

Because during pregnancy, the mother's blood contains both her and her fetus' DNA, the test requires only a small blood sample from the mother's arm.

With NIPT by Life Genomics, you can experience a pregnancy with less worry.

Why Life Genomics?



In-house **clinical laboratory** in
Gothenburg

10+

More than **10 years of experience** in
NIPT



More than **100 collaborating clinics**
in the Nordic region



Read more about NIPT and find your
nearest clinic at **Fostertest.se**

Why choose NIPT by Life Genomics?



More than **99 % sensitivity and specificity** for detection of the most common trisomies



Available from **week 10 of pregnancy**



Suitable for **any woman** – regardless of age or the predetermined genetic risk



Also suitable **for twin pregnancies, IVF, pregnancies with a donated egg cell, and for women with recurrent miscarriages**



No risk of pregnancy loss as with invasive procedures



A highly accurate method for fetal diagnostics, especially in combination with ultrasound



Can also reveal the baby's gender

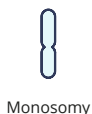
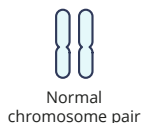


Test results within **6–10 working days**



What can we test with NIPT by Life Genomics?

Each cell in our body contains 46 chromosomes arranged into 23 pairs, half inherited from the mother and half from the father: 22 pairs of non-sex chromosomes (autosomes) and 1 pair of sex chromosomes.



NIPT by Life Genomics checks **all of the baby's 46 chromosomes** and allows screening for:

Suitable for ALL PREGNANT WOMEN

1. Abnormalities in the NUMBER of chromosomes: ANEUPLOIDIES

MONOSOMY: a single copy of a chromosome instead of the usual pair

TRISOMY: three copies of a chromosome instead of the usual pair

Among the most common ones:

- Trisomy 21 (Down syndrome)
- Trisomy 18 (Edwards syndrome)
- Trisomy 13 (Patau syndrome)

Risk
increased
with
advanced
MATERNAL
age

2. Abnormalities in the STRUCTURE of chromosomes

DELETION: loss of a chromosome fragment

DUPLICATION: doubling of a chromosome fragment

No
correlation
with
PARENTAL
age

Testing options

	BASIC/TWINS	STANDARD	PLUS	PRO	TWINS PRO
MOST COMMON TRISOMIES					
Down syndrome (trisomy 21)	✓	✓	✓	✓	✓
Edwards syndrome (trisomy 18)	✓	✓	✓	✓	✓
Patau syndrome (trisomy 13)	✓	✓	✓	✓	✓
SEX CHROMOSOME ANEUPLOIDIES					
Turner syndrome (monosomy X)		✓	✓	✓	
Klinefelter syndrome (trisomy XXY)		✓	✓	✓	
Triple X syndrome (trisomy XXX)		✓	✓	✓	
Jacobs syndrome (XYY syndrome)		✓	✓	✓	
ALL OTHER AUTOSOMAL ANEUPLOIDIES					
Trisomy 9, 16, 22			✓	✓	✓
All other trisomies*			✓	✓	✓
All autosomal monosomies*			✓	✓	✓
DELETIONS/DUPLICATIONS					
60 syndromes			✓		
92 syndromes (incl. DiGeorge 1)				✓	✓
All other microdeletions/duplications*			✓	✓	✓
GENDER IDENTIFICATION (BOY/GIRL)**	✓	✓	✓	✓	✓
DETECTION RANGE			3 Mbp	3 Mbp	3 Mbp

NIPT Pro enables the most in-depth sequencing analysis of chromosomal abnormalities as small as 3 Mbp, covering the widest panel of conditions - including DiGeorge syndrome, which is detectable from just 1 Mbp.

* In case you choose incidental findings: all other trisomies, monosomies and deletions/duplications bigger than 5 Mbp.

** Y-chromosome detection for twin pregnancies.

What is fetal fraction?

Fetal fraction is the ratio between DNA from the fetus and the mother present in the blood sample. The fetal fraction generally increases during pregnancy and varies depending on several parameters such as ongoing infection, body weight, and biologically between different pregnant women.

NIPT by Life Genomics includes **comprehensive** quality controls. To ensure the reliability of the result, the fetal fraction must reach a certain level (percentage) depending on which analysis was performed.

In twin pregnancies, the total fetal fraction is reported, as it is not possible to assess the contribution of the individual fetuses.

I'm interested in NIPT by Life Genomics. What's my next step?



Book an appointment
for the test. Find
your nearest clinic at
Fostertest.se



Provide a blood
sample at the chosen
clinic



Get results from the
healthcare provider who
performed the test

Life Genomics services do not replace other medical advice, diagnosis or treatment. NIPT by Life Genomics can only be administered by a qualified healthcare professional. The analysis is carried out in our laboratory.