

# eluthia

prenatal care

EUR 179



## NIPT Classic

Screening for trisomies 21, 18 and 13;

Sex determination optional

**Eluthia: Your specialised laboratory  
for non-invasive prenatal testing**

## Congratulations on your pregnancy!

The majority of pregnancies result in a healthy baby. However, since there is a small risk of deformities, your gynaecologist will perform an ultrasound examination on you. Various genetic abnormalities are difficult or impossible to find on the ultrasound scan. Non-invasive prenatal tests (NIPTs), which can detect certain deviations, can therefore complement the ultrasound examination.

In this brochure, we would like to introduce you to the NIPT Classic.

### How do NIPTs work?

During pregnancy, small fragments of your baby's DNA, or more precisely from the placenta, can be found in your blood. By analysing these DNA fragments, the NIPT can determine the risk of your child being affected by one of the genetic changes tested for. Although NIPTs are very safe, in rare cases an NIPT may identify an increased risk of a genetic abnormality even though the child may not have such an abnormality. Therefore, test results showing an increased risk are usually confirmed with a diagnostic test. In far rarer cases, it may also be the case that a low risk is falsely indicated for an affected child.

### What does the NIPT Classic (VANADIS®) do?

The Vanadis test has been optimised to reliably detect trisomies 21, 18 and 13. It is the only NIPT worldwide that uses the 'rolling circle replication' method. It is particularly robust because it does not require PCR or DNA sequencing. We analyse about 1.8 million DNA fragments from your blood, which come exclusively from chromosomes 21, 18 and 13. The high number of data points increases the test precision. The Vanadis laboratory process is completely automated, which additionally eliminates possible sources of error. These technical improvements give us a reliable result and minimise the number of possible test failures\*. This allows more pregnant women to get a result than with other testing methods. Nevertheless, at EUR 179, the Vanadis test is currently the cheapest NIPT in Germany, for trisomies 21, 18 and 13.

\*Test failure: No result, even after repeated analysis

## How accurate is the test?

Over 99% of all trisomies 21 are detected (over 92%, and over 96% of all trisomies 18 and 13 respectively). The accuracy of the sex determination, which can be done upon request, is 99.5%. No result can be determined in less than 0.5% of all tests.

## How does the test work?

Your blood sample will be analysed in our laboratory in Giessen. The result of the test is usually available 3 to 5 days after receipt of the sample, and is sent to your doctor immediately. Your gynaecologist will then discuss the result with you.

**Optimised for testing for  
trisomies 21, 18 and 13.**

# Vanadis®

In addition to this brochure, please refer to our information brochure.

## Why choose Eluthia?

Eluthia is an independent laboratory based in Giessen. We specialise in non-invasive prenatal testing (NIPT) and offer customised testing options for you and your baby.

As we do not belong to any laboratory chain and are not contractually bound, we can offer you globally unique NIPT solutions. Our well-connected team of experts (biologists, human geneticists, gynaecologists and prenatal physicians) is in contact with numerous laboratories at home and abroad in order to always be able to offer you the most advanced and safest tests.

Our aim is to be able to offer every pregnant woman the test that is most suitable for her.

We strive to offer you the best service at all times. If you have any questions or suggestions, or if you are not satisfied with one of our services, we would be pleased to receive your feedback.

# Contact us!

You can find more information online at:

[www.eluthia.com/vanadis](http://www.eluthia.com/vanadis)



Contact our team:

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We are looking forward to your call!

Vanadis®-Patient-D-2021-09-02-V001

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