

eluthia

prenatal care

NEW:
Unity Complete



NIPT Special

UNITY™ & UNITY™ Complete

First and only NIPT for clinically relevant single-gene diseases: cystic fibrosis, spinal muscular atrophy, sickle cell disease, α - and β -thalassaemia from 449.-

**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 ultrasound. 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 Special.

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 can the NIPT Special (UNITY™) do?

Owing to the new 'QCT technology', the UNITY test is the only NIPT worldwide with which it is possible to screen for cystic fibrosis and spinal muscular atrophy (SMA), as well as sickle cell disease and thalassaemia. Some of these can lead to death in childhood or adolescence. In Northern Europe, one in 225 couples has the genetic predispositions for one of the diseases studied, which then leads to a 25% probability of having a sick child. For the particularly severe form, SMA type I, there is now a gene therapy drug whose optimal effectiveness requires the earliest possible diagnosis.



How accurate is the test and how does the testing work?

The first step is to test if you have the concealed predispositions that can cause one of the diseases in your child. The test detects between 90% (SMA) and 99% (cystic fibrosis) of carriers. Your child can only develop the disease if you are a carrier of one of the predispositions. Only then will you be tested to see if your child has inherited the predispositions that cause the disease, either from you or from the father. This second test is performed on the same blood sample and detects over 99% of affected fetuses

Your blood sample will be analysed at our partner laboratory BillionToOne in California. The result for the single-gene disorders is usually sent to your doctor 14-21 days after receipt of the sample, and the other results (trisomies, sex chromosomes) usually one to two weeks earlier.

What options are available?

UNITY: Screening for the four monogenic diseases mentioned above (**EUR 449**).

UNITY Complete: Additional screening for trisomies 21, 18 and 13 and the maldistribution of sex chromosomes (**EUR 549**).

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/unity



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We are looking forward to your call!

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