



**MEDICOVER**  
GENETICS

NIPD GENETICS

**VERACITY**<sup>®</sup>  
new generation NIPT

Accurate | Safe | Reliable

Patient Information



## WHAT IS NIPT

NIPT stands for Non-Invasive Prenatal Test that a pregnant woman can take to check for specific genetic conditions of the fetus.

## WHAT IS VERACITY

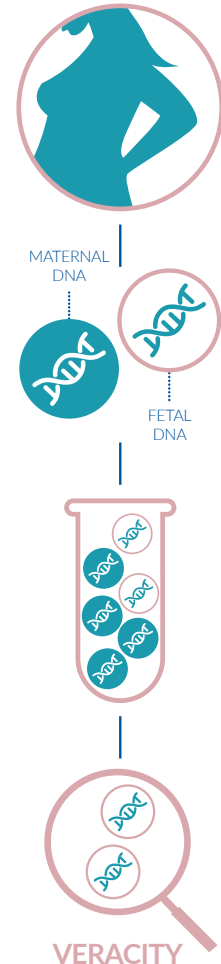
During pregnancy, fetal DNA travels from the placenta to the mother's blood stream and circulates along with her own DNA. VERACITY is a new generation non-invasive prenatal test that accurately measures the fetal cell-free DNA in the maternal blood to detect the presence of fetal aneuploidies and microdeletions. VERACITY has been validated for both single and twin pregnancies as well as pregnancies conceived through in-vitro fertilization (IVF).

## HOW IT WORKS

A blood sample from the mother's arm and sends it to our state-of-the-art laboratories for analysis. At the laboratory, cell-free DNA is isolated from the mother's blood and analyzed using our proprietary, new generation analytic and bioinformatic technology. Results are provided to your doctor in a few working days.

## WHO COULD BENEFIT FROM THIS TEST

- Women who are at least 10 weeks pregnant
- Women who are pregnant with singleton or twin pregnancies
- Women who have IVF pregnancies
- Pregnant women of all ages



vs.

## CONVENTIONAL PRENATAL TESTS



**CELL-FREE DNA** extracted  
from maternal plasma



SCREENING COMBINES:  
BIOCHEMICAL SCREENING RESULTS  
ULTRASOUND FINDINGS  
OTHER PARAMETERS



**HIGHLY ACCURATE**  
>99% detection rate



**LOW ACCURACY**  
Risk score has 80–95%  
detection rate



**SAFE**  
No risk of fetal miscarriage



**RISK**  
for miscarriage through  
amniocentesis or CVS (0.5%)



**EARLY**  
Can be done from 10 weeks  
Results in 4-7 working days



Can be done after 12 weeks  
of pregnancy



# WHAT DOES VERACITY TEST FOR

## AUTOSOMAL ANEUPLOIDIES

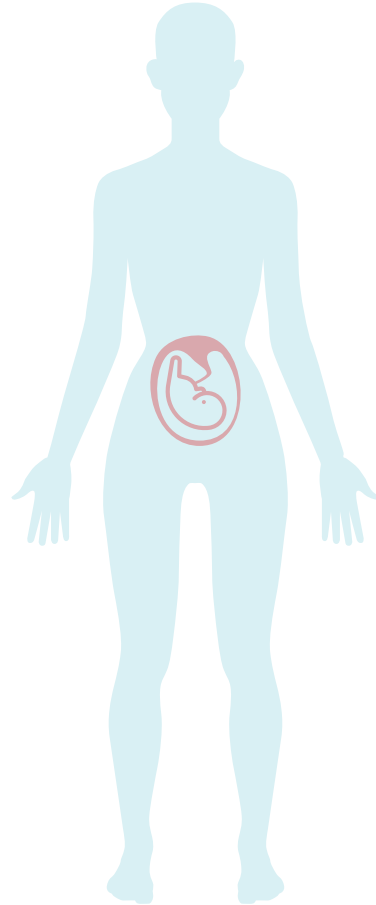
- **Down syndrome** (*Trisomy 21*)
- **Edwards syndrome** (*Trisomy 18*)
- **Patau syndrome** (*Trisomy 13*)

## SEX CHROMOSOME ANEUPLOIDIES

- **Turner syndrome** (*Monosomy X*)
- **Triple X syndrome** (*Trisomy X*)
- **Klinefelter syndrome** (*XXY*)
- **Jacobs syndrome** (*XYY*)
- **XXYY syndrome**

## MICRODELETIONS

- **DiGeorge syndrome** (*22q11.2*)
- **1p36 deletion syndrome** (*1p36*)
- **Smith-Magenis syndrome** (*17p11.2*)
- **Wolf-Hirschhorn syndrome** (*4p16.3*)



## WHAT TYPES OF PRENATAL TESTS ARE AVAILABLE

During the first trimester, you will be offered a screening test which includes an ultrasound and a biochemical blood test. In combination with other parameters such as the mother's age, the risk of specific genetic conditions occurring in the fetus is estimated without actually testing fetal DNA. The accuracy of this screening has an estimated range of 80 – 95%. If the prenatal screening indicates that the fetus has a high risk of having a genetic condition, your doctor will recommend an invasive test such as amniocentesis or chorionic villus sampling. These invasive tests are highly accurate (>99%) but they have approximately 1 in 200 chance of causing a miscarriage.

## HOW ACCURATE AND SAFE IS VERACITY

VERACITY directly tests fetal DNA, therefore, it provides the highest accuracy (>99%) in the detection of the most common fetal aneuploidies. VERACITY is safe for your baby as it only requires a simple blood draw from the mother, which is not associated with the risk of miscarriage unlike invasive methods like CVS and amniocentesis.

## HOW EARLY IN MY PREGNANCY CAN I TAKE THE VERACITY TEST

One of the advantages of VERACITY is that you can take the test as early as the 10th week of your pregnancy and quickly obtain accurate results!

## WHAT IS THE TURN AROUND TIME FOR VERACITY

Results are available in 5-7 working days from the moment the sample arrives to the lab.

# HOW TO GET THIS TEST ORDERED



## STEP 1

Visit your physician or one of our medical geneticists to complete the VERACITY Order Form



## STEP 2

A sample is collected at the nearest blood drawing point (2x BCT blood collection tubes)



## STEP 3

Sequencing is performed in our accredited laboratory in Germany



## STEP 4

A medical report is delivered



## STEP 5

Genetic counselling by our local medical counsellors is available upon request

Step 3-4 takes 4-7 working days.

## WHY US

- A network of laboratories and medical institutions makes us **a leader in genetic testing** in Germany with foundations dating back to 1998
- A clinical team comprised of scientists, physicians and medical geneticists, several with **>20 years of experience** in genetic testing, assuring meaningful and comprehensive genetic tests
- Expertise in gene variant analysis ensuring **“no variant left behind”**
- Cutting-edge technology in sequencing and laboratory methods allows for **short turnaround times**
- **Quality** assessed by several certifying bodies, including EFI, DIN EN ISO 9001, DIN EN ISO 15189 accreditation as a medical laboratory, DIN EN ISO/IEC 17025 accreditation as a testing laboratory and a generally valid GMP (Good Medical Practice) certificate
- **Data privacy** is your right and our priority



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