

## IS THERE AN AGE LIMIT FOR THE **VERAgene** TEST?

There is no age limit. VERAgene can be performed by pregnant women of all ages because it screens for many genetic conditions with no age-associated risk.

## WHEN CAN I DO THE **VERAgene** TEST?

VERAgene test can be performed as early as the 10<sup>th</sup> week of gestation.

## WHY SHOULD A PREGNANT WOMAN DO THE **VERAgene** TEST?

Microdeletions and single gene diseases – unlike aneuploidies – are not associated with maternal age, and most of them do not have chemical or ultrasound biomarkers that can help in early detection.

The cumulative risk for the fetus to be affected by one of the genetic conditions screened by VERAgene is approximately 1 in 50 based on high and moderate risk pregnancies. VERAgene can accurately screen for these conditions to help parents take informed decisions about possible treatments and clinical management.

## HOW CAN I TAKE THE **VERAgene** TEST?



BE AT LEAST  
10 WEEKS PREGNANT



ASK YOUR HEALTHCARE PROVIDER ABOUT **VERAgene**



YOUR HEALTHCARE PROVIDER WILL COLLECT A BLOOD SAMPLE FROM YOU AND A BUCCAL SWAB FROM THE BIOLOGICAL FATHER



THE SAMPLES WILL BE SENT TO **NIPD Genetics**



THE SAMPLES WILL BE ANALYZED IN OUR LABORATORY



RESULTS WILL BE SENT TO YOUR HEALTHCARE PROVIDER WITHIN 4-7 WORKING DAYS

## MORE **QUESTIONS?**

If you have additional questions or concerns, please ask your doctor. You can also contact us:

Results and possible next steps should always be considered in the context of other clinical criteria. Genetic counseling is recommended when a high risk result is received.



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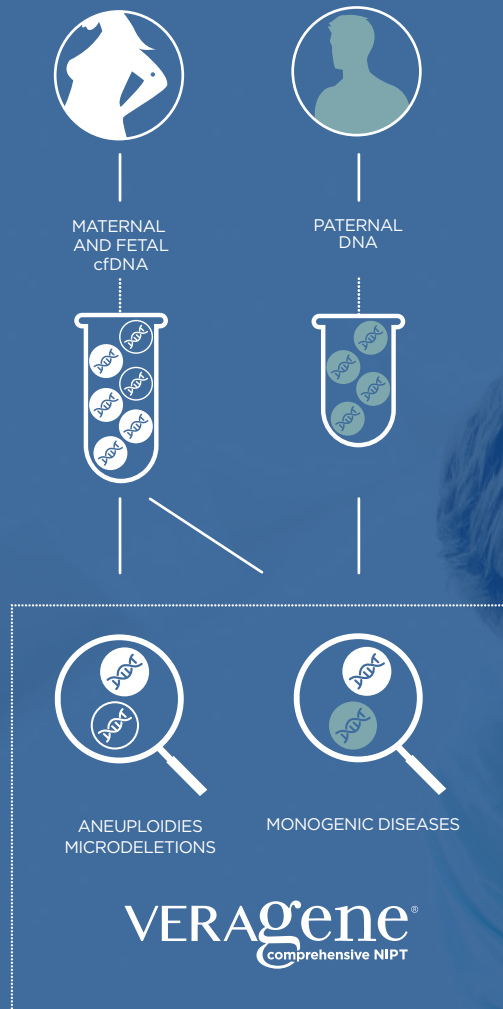


**VERAgene**<sup>®</sup>  
comprehensive NIPT

Single test for aneuploidies,  
microdeletions and point  
mutations

**ACCURATE | SAFE | RELIABLE**

## HOW DOES VERAgene WORK?



During pregnancy, fetal cell-free DNA is released from the placenta and circulates in the mother's blood together with her own cell-free DNA. Cell-free DNA is isolated from the mother's blood, and is analysed independently for aneuploidies and microdeletions, and concurrently with the paternal DNA to detect potential genetic mutations in the parents using proprietary new generation technology and bioinformatics. The results of the screening test are then sent to the doctor who communicates them to the family with the appropriate counselling.



## WHAT IS A NON-INVASIVE PRENATAL TEST (NIPT)?

It is a test taken by a pregnant woman to check for genetic conditions of the fetus before birth.

## WHAT ARE GENETIC CONDITIONS?

Genetic conditions are caused by unwanted changes in the genome that happen during conception. Three types of genetic conditions are detected with the test:

- aneuploidies are genetic conditions that occur when a chromosome has an extra copy (trisomy) or is missing a copy (monosomy)
- microdeletions are genetic conditions caused by a small deletion in a specific region of a chromosome
- single gene diseases are genetic conditions caused by mutations in a gene

## WHAT IS VERAgene?

VERAgene is the only non-invasive prenatal test that can simultaneously screen for aneuploidies, microdeletions and single gene diseases. The diseases screened by VERAgene are often severe with significant impact on the quality of life. These genetic diseases exhibit symptoms such as congenital anomalies, development delays, hearing loss, blindness, metabolic disorders, etc.

## WHAT CONDITIONS CAN BE DETECTED BY VERAgene?

VERAgene can detect trisomies of chromosomes 21, 18, 13, aneuploidies of X and Y chromosomes, DiGeorge syndrome, 1p36 deletion syndrome, Smith-Magenis syndrome and Wolf-Hirschhorn syndrome. VERAgene targets 2000 mutations to screen for 100 monogenic diseases. By combining detection of aneuploidies and microdeletions with the screening of monogenic diseases, VERAgene provides a comprehensive picture of the pregnancy using a single test. To learn more about all the conditions screened by VERAgene, please visit [nipd.com/VERAgene](http://nipd.com/VERAgene).