



What is Vanadis NIPT?

Vanadis NIPT is a safe, convenient and precise NIPT screening test developed to help pregnant women assess the risk of Trisomy 21 (Down syndrome), Trisomy 18 (Edward syndrome) or Trisomy 13 (Patau syndrome) in their fetus.

Did You Know?

The most common chromosomal condition is Down syndrome.¹ Around 1 in every 700 children are born with this condition in the United States.

Footnotes:

1. "Down Syndrome Facts: National Down Syndrome Society." *NDSS*, www.ndss.org/about-down-syndrome/down-syndrome-facts/.
2. Practice Bulletin No. 226: *Screening for fetal chromosomal abnormalities*. *Obstet Gynecol* 2020;136.
3. Bakker, M., et al. "Total Pregnancy Loss after Chorionic Villus Sampling and Amniocentesis: a Cohort Study." *Obstetrics and Gynecology*, John Wiley & Sons, Ltd, 3 June 2016, obgyn.onlinelibrary.wiley.com/doi/full/10.1002/uog.15986.
4. Hui L, Bianchi DW. Fetal fraction and noninvasive prenatal testing: What clinicians need to know. *Prenatal Diagnosis*. 2020;40:155–163. <https://doi.org/10.1002/pd.5620>

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www.perkinelmergenomics.com

Genomics@perkinelmer.com | 1-866-354-2910

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THE NON-INVASIVE
PRENATAL TEST FOR
ALL WOMEN

Vanadis® NIPT



Vanadis NIPT: Features & Benefits

- Accurate screening for the three most common trisomy disorders: Trisomy 21, 18 and 13
- Increased precision designed to reduce the no-call rate allowing more patients to receive reliable results
- Simple and safe screening from a single blood draw as early as 10 weeks gestation
- Reliable results available within 5-7 days
- Optional assessment of likely fetal sex



**ACOG: cfDNA (NIPT) screening
"should be discussed and offered
to all pregnant women"...²**

Complies with ACOG Recommendations

In their recent bulletin, the American College of Ob/Gyn (ACOG) and the Society of Maternal Fetal Medicine (SMFM) stated that NIPT is the most sensitive and specific screening test for the common fetal aneuploidies.² As such, they recommend that NIPT should be offered to all patients, regardless of maternal age or history.

ACOG also asserts that diagnostic tests should be offered to women who receive "no-call" results, as no-calls have a higher risk for other chromosomal issues. By removing the fetal fraction cutoff, Vanadis NIPT reports few no-call results, resulting in less follow-up diagnostic testing. This minimizes clinical burden, patient anxiety, invasive testing and ultimately, miscarriages.³

Clearer Results

With few complicated test results (no-calls), our non-invasive prenatal screen lets you know where your patient stands. By operating without a fetal fraction cutoff and maintaining a >99% detection rate for Down syndrome, Vanadis NIPT offers more reliable results and fewer uncomfortable discussions with your patients.

Quick Turnaround Time

Emotions can run high during pregnancy - especially anxiety. When assessing fetal health, most expecting mothers want to understand their situation with the utmost clarity as early as possible. With a 5-7 day turnaround time from blood draw to results, Vanadis NIPT delivers results quickly, providing answers during emotional times.



What is Fetal Fraction?

The proportion of DNA in the maternal blood that came from the pregnancy is called the fetal fraction. When the fetal fraction is low, test results can become more difficult to interpret.⁴ This is why most NIPT tests have a fetal fraction cutoff, meaning they will not report a test result below a set fetal fraction.

However, precise tests (like Vanadis NIPT) operate differently. Vanadis NIPT can yield a result at low levels of fetal fraction and thus, does not require a cutoff. This means we can offer positive and negative results to physicians & patients more often, while providing fewer inconclusive results - or "no-calls".

Precision & Vanadis NIPT

How can Vanadis NIPT operate without a fetal fraction cutoff? Simple - high precision backed with cutting-edge technology. Vanadis NIPT increases precision by minimizing human error with walkaway automation while also employing a greater number of reads per chromosome. By circumventing complex PCR and whole genome sequencing, Vanadis NIPT is the accurate and cost-effective solution for prenatal testing purposes.