

Virtus Diagnostics offers a complete range of general pathology services as well as specialist fertility and genetic testing.

Virtus Diagnostics conducts over a million tests each year across the following disciplines: general pathology, fertility pathology and advanced genetic testing.

We continually innovate and expand this range and with over 200 scientists, many that are internationally renowned in their field, you can be assured you are accessing world class diagnostics services.

Virtus Diagnostics is committed to supporting patients' health throughout their lifetime, and in particular, during their reproductive life. For women this includes general gynaecology and for both men and women it includes general health, fertility planning and conception, through to infertility treatment.

Our service offers:

- Specialists in clinical genetics
- A comprehensive range of tests
- Fast turnaround of results
- Highly skilled and experienced scientists, with access to the latest technology
- Convenient collection centres, and
- Personalised service

## Virtus Diagnostics Collection Centres

The network of Virtus Diagnostics collection centres are across NSW, QLD, VIC & TAS. Please refer to [virtusdiagnostics.com.au](http://virtusdiagnostics.com.au) for the complete list of our collection centres.

Virtus Diagnostics General enquiries  
1800 837 284  
Virtus Diagnostics Accounts enquiries  
1800 090 325

[virtusdiagnostics.com.au](http://virtusdiagnostics.com.au)

## Panorama™ NIPT Prenatal Screen

Non-invasive DNA screen for common fetal chromosomal abnormalities



VD-PI-204 | 21MAY2018

## What is Panorama™ NIPT?

The Panorama Prenatal Screen is a DNA screening test that provides you with essential genetic information about your baby.

- Screens for genetic abnormalities such as Down syndrome
- Identifies your baby's gender (Optional)
- Has the lowest false positive rate of any prenatal screening test for commonly screened chromosomal abnormalities
- Can be done as early as 9 weeks into your pregnancy
- Carries no risk for your baby

Panorama is a non-invasive prenatal screening test (NIPT) performed through a simple blood test. During pregnancy, some of the DNA from the placenta, which carries the baby's genetic information, crosses into the mother's bloodstream. Panorama looks at this DNA to see if there is evidence of certain genetic conditions that could affect the baby's health.

## What does Panorama NIPT screen for?

Panorama screens for common genetic conditions that are caused by extra or missing chromosomes in the baby's DNA:

- Down syndrome (Trisomy 21)
- Edwards syndrome (Trisomy 18)
- Patau syndrome (Trisomy 13)
- Certain sex chromosome abnormalities:
  - Turner syndrome (Monosomy X)
  - Klinefelter syndrome (XXY)
  - Jacobs syndrome (XYY)
  - Triple X syndrome (XXX)
- Triploidy

In addition to these chromosomal abnormalities, you can optionally screen for five microdeletion syndromes. Panorama can also tell you the baby's gender, if you so choose.

## What are microdeletions?

A small, missing piece of a chromosome is called a microdeletion. Unlike Down syndrome, which occurs more frequently in mothers who are 35 and older, microdeletions occur in pregnancies at the same rate for mothers of any age. While many microdeletions have little impact on a child's health or life, there are some that can cause intellectual disabilities and birth defects. Panorama screens for five microdeletion syndromes associated with serious health problems:

- 22q11.2 deletion (DiGeorge) syndrome
- 1p36 deletion syndrome
- Angelman syndrome
- Prader-Willi syndrome
- Cri-du-chat syndrome

## What do Panorama NIPT results tell me?

Panorama gives you a personalised risk score and tells you if the baby is at high risk or low risk for the conditions it screens for. Like other screening tests, Panorama does not provide a definitive diagnosis of the condition.

## What results might I get with Panorama NIPT?

**Low Risk Result:** A low risk result indicates that it is unlikely that your baby is affected by one of the conditions on the Panorama panel.

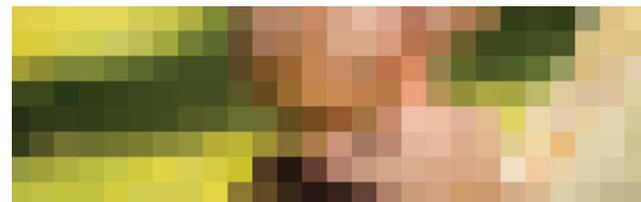
**High Risk Result:** A high risk result does not mean the baby has a chromosomal abnormality. Rather, it indicates a very high probability that your baby may have that condition.

**No Result:** In a small percentage of cases, Panorama may not be able to obtain sufficient information from your blood sample to determine an accurate result. If this occurs, a second blood sample may be accepted. Further genetic counselling with the option of comprehensive ultrasound evaluation and diagnostic testing should be considered due to an increased risk of aneuploidy when there is a *no call* test result.

## When can I get Panorama NIPT?

You can have this test as early as 9 weeks gestation.

## How is Panorama NIPT different?



Other NIPTs cannot tell the difference between mother's and baby's DNA.



PANORAMA CAN. Because of its unique technology, Panorama is the only NIPT that can distinguish between the mother's DNA and the baby's DNA from the placenta. This enables Panorama to be a highly accurate screen.

## What are the advantages of Panorama NIPT?

**Fewer false positives and fewer false negatives:** Because Panorama analyses the baby's DNA separately, it has a lower false positive rate and false negative rate than other NIPTs.<sup>1,2,3</sup>

**Highest gender accuracy:** Although designed to screen for chromosome abnormalities, Panorama can include testing for the sex chromosomes (X and Y) if requested. It has the highest reported accuracy in determining the baby's gender. Gender reporting is optional.<sup>1,2,3</sup>

**Triploidy:** Panorama is the only NIPT that can detect triploidy, a severe chromosomal abnormality that can result in serious pregnancy complications if unmonitored.

## Is Panorama NIPT right for me?

IF YOU WOULD LIKE TO KNOW whether your baby is at risk for certain genetic conditions, Panorama may be the right option for you. The first step is to talk with your doctor.

Some women have a higher chance of their baby being affected with certain conditions like Down syndrome, especially if they:

- Are over the age of 35
- Have certain family histories
- Have abnormal ultrasound findings
- Have abnormal blood test results

However, the likelihood of having a baby with a microdeletion syndrome is the same for all pregnancies, regardless of age.

Panorama is clinically validated for women of all ages with the exception of women with the following types of pregnancies:

- Higher order multiple gestation pregnancies
- Twin pregnancies that are conceived using an egg donor or surrogate
- Pregnant women who are bone marrow transplant recipients

## When will I get my Panorama NIPT results?

Your doctor will usually get your results back in 7-10 working days.

## What other prenatal tests are available?

There are various other tests available from other suppliers. Traditional serum screening tests are not as accurate as Panorama and are designed to screen for fewer conditions. Diagnostic tests such as amniocentesis or chorionic villi sampling (CVS) can provide a definitive diagnosis and can test for more conditions, but have a slight risk of pregnancy complications including miscarriage.

**References:** available at [virtusdiagnostics.com.au](http://virtusdiagnostics.com.au)