

# Panorama<sup>™</sup>

## Non-Invasive Prenatal Test (NIPT)

Used for over 3 million pregnancies across 90 countries, Panorama<sup>™</sup> is a highly accurate prenatal screening test that screens for common chromosomal conditions that can affect baby's health.

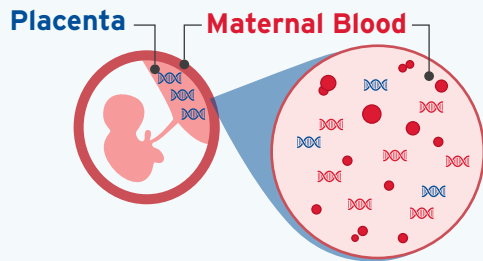
Certified Lab



**Panorama<sup>™</sup>**  
Next-generation NIPT

# What is Panorama™ Non-Invasive Prenatal Testing (NIPT)?

Panorama™ NIPT is a highly accurate prenatal screening test that analyzes cell-free DNA (cfDNA) to estimate the risk of fetal chromosomal conditions that affect fetal development.



cfDNA is the non-encapsulated DNA present in mother's blood during pregnancy.

cfDNA that is analyzed is derived from:

- » **PLACENTAL DNA** - That makes its way to the maternal circulation
- » **MATERNAL DNA** - Adipocytes, white blood cells

- Panorama™ is the **only NIPT** that uses unique SNP (Single Nucleotide Polymorphism) technology to distinguish between maternal and fetal DNA, resulting in fewer false positives and false negatives compared to traditional serum screening or counting based NIPTs.
- Panorama™ NIPT is available through a simple, convenient blood draw for pregnant women **at LifeLabs and partnered locations.**
- Panorama™ can be performed as early as nine weeks gestation. Most results will be returned to the doctor within **7-10** calendar days.

## Panorama™ screens for:

	Singleton	Identical twins	Fraternal twins	Singleton egg donor and gestational carrier
Trisomies 21, 18, 13	✓	✓	✓	✓
Monosomy X (Turner syndrome)	✓	✓		
Sex chromosome trisomies	✓	✓		
22q11.2 deletion syndrome (22q11.2DS), optional	✓	✓		
Additional microdeletion syndromes, optional	✓			
Fetal sex, optional	✓	✓	✓	✓
Individual fetal sex, optional			✓	
Zygoty (degree of genetic similarity in each pair)		✓	✓	
Individual fetal fraction			✓	
Triploidy (extra set of chromosomes)	✓			



Scan here to learn more about **Panorama™**

Available through Panorama™ only!<sup>7-10</sup>

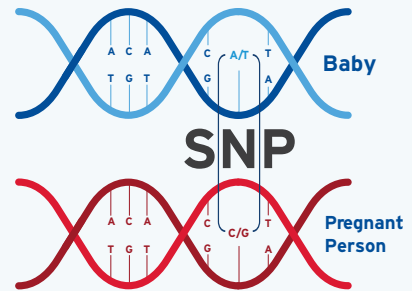
# Panorama™ is the only SNP-based NIPT in the market

The Single Nucleotide Polymorphism (SNP) technology used by Panorama™ NIPT distinguishes between the maternal and fetal (placental) DNA.

## SNPs

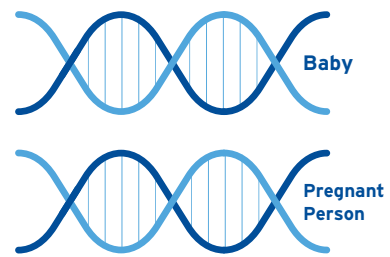
SNPs are 1% of our DNA that make us different from one another.

Panorama™ analyzes 13,392 SNPs on the chromosomes of interest to check if the fetal DNA is present in the usual quantities or if there are more or less copies than expected.



## Counting NIPTs

Other NIPTs look at DNA in aggregate making them more susceptible to false positives.



Higher positive predictive value (PPV) = Less anxiety for patients

### Traditional Screening



**PPV: 3-4%**

Maternal serum screening would require **265** women to undergo invasive testing to discover **9** true positives.<sup>27</sup>

### Non-Invasive Prenatal Testing (NIPT)



**PPV: 95%\***

With NIPT, **10** women will undergo invasive testing to discover **9** true positives.<sup>28,29</sup>

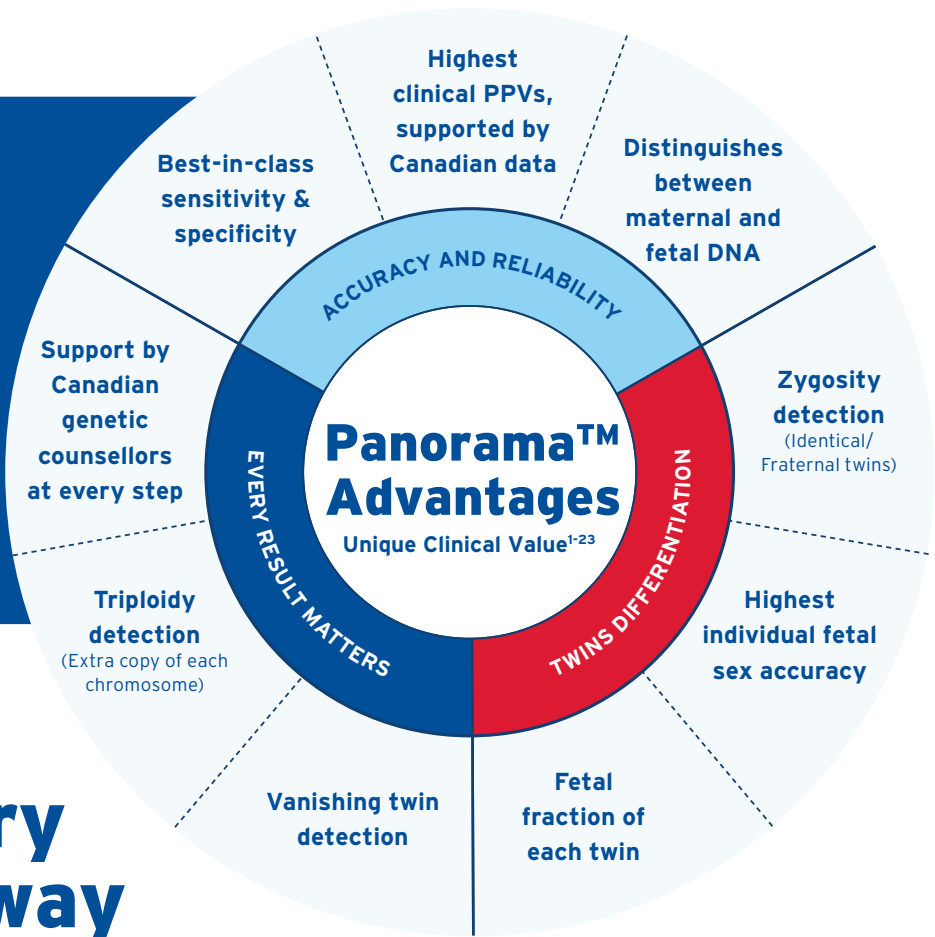
\*Specific to Trisomy 21

# Why choose Panorama™ NIPT?

**TESTS**  
3 MILLION+  
performed across 90 countries

**PATIENTS**  
1.3 MILLION+  
studied

**PUBLICATIONS**  
25+



## Patient support every step of the way

### Services included with Panorama™ NIPT:

<p><b>Patient Education</b></p> <p>Patient-friendly materials available on our website and patient service centres in English and French.</p>	<p><b>Convenient Sample Collection and Testing Within Canada</b></p> <p>Panorama™ NIPT samples can be collected at any LifeLabs patient service centre or national affiliates and testing is performed within Canada.</p>	<p><b>Genetic Counselling Support</b></p> <p>Certified Canadian genetic counsellors are available to healthcare providers and patients to answer any questions about the test or results at <b>Ask.Genetics@LifeLabs.com</b> or <b>1-844-363-4357</b>. In addition, our genetic counsellors proactively contact healthcare providers about abnormal results to provide clear next steps for their patients. Services are available from 8am-7pm EST in both English and French.</p>
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