Is Panorama™ 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 healthcare provider.

Some women have a higher chance of their baby being affected with certain chromosome 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

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

Panorama is designed for all pregnant women, regardless of age. We accept samples from:

- Singleton pregnancies
- Twin pregnancies
- Pregnancies that are using an egg donor or surrogate

Unfortunately, we cannot accept samples from women who are bone marrow transplant recipients, women with pregnancies where there has been a vanishing twin, or women with twin pregnancies who conceived using an egg donor or surrogate.

When will I get my Panorama™ results?

Your healthcare provider will get your results back in 7-10 calendar days from receipt of your sample at our testing laboratory.

Visit www.lifelabsgenetics.com to find out more about getting tested

START THE CONVERSATION

If you are interested in learning more, speak to your healthcare practitioner. They may choose to refer you to a genetics professional in your area. A genetics professional – either a genetic counsellor or a medical geneticist - can discuss genetic conditions in more detail, tell you about follow-up testing to confirm or rule out genetic conditions in your baby, and answer any questions you may have about your results.

Additional Resources

Canadian Organization for Rare Disorders (CORD)
www.raredisorders.ca

Canadian Directory of Genetic Support Groups
www.lhsc.on.ca/Patients_Families_Visitors/Genetic_Support_Directory/index.htm

Canadian Down Syndrome Society
www.cdss.ca

Chromosome 22 Central
www.c22c.org

Canadian Association of Genetic Counsellors
www.cagc-accg.ca

Genetics Education Canada - Knowledge Organization
www.geneticseducation.ca

This test was developed by Natera, Inc., a laboratory certified under the Clinical Laboratory Improvement Amendments (CLIA).

[1] Benn, P. Non-invasive prenatal testing using cell free DNA in maternal plasma: recent developments and future prospects. J Clin Med, 2014; 3:537-565.

[2] Pergament E et al. Single-nucleotide polymorphism-based noninvasive prenatal screening in a high-risk and low-risk cohort. Obstet & Gynecol 2014; 124(2 Pt 1): 210-218.

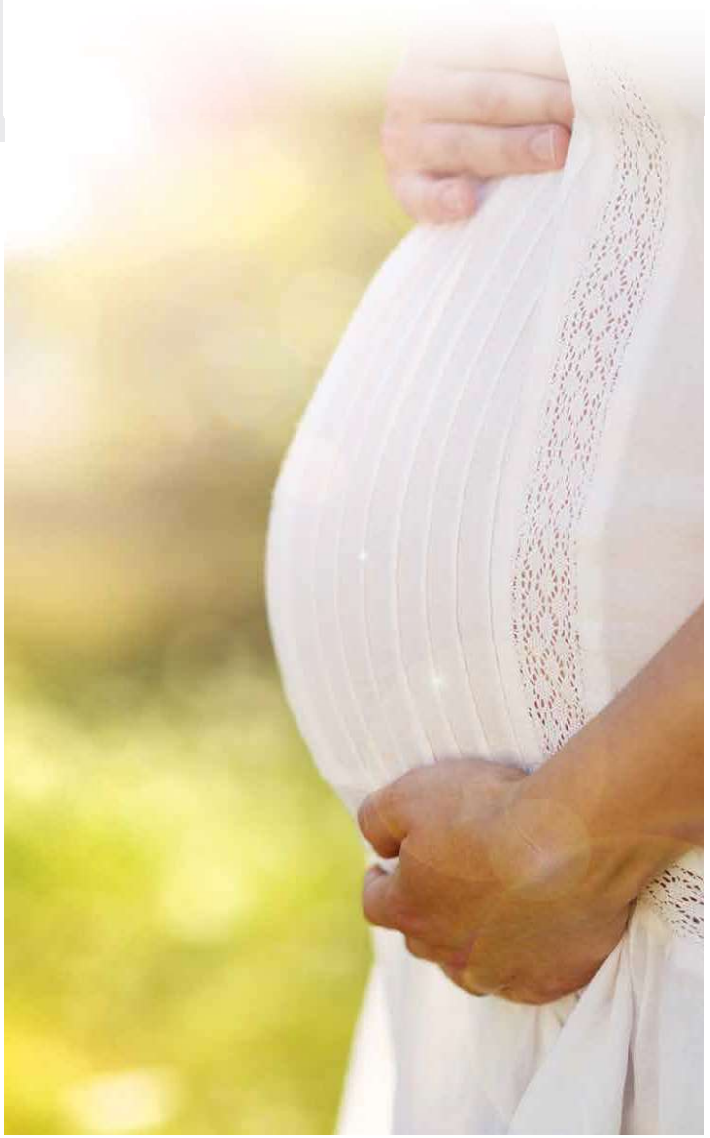
Ask.Genetics@LifeLabs.com
www.lifelabsgenetics.com | 1-844-363-4357

LifeLabs GENETICS™

V.2 | JAN 2018 PANORAMA™ PATIENT PAMPHLET

Panorama™ Prenatal Screen

Non-invasive DNA screening that lets you know more about your baby's health



LifeLabs GENETICS™ | panorama™ NEXT GENERATION NIPT

What is Panorama™?

Panorama is a non-invasive test performed through a simple blood draw from the mother's arm. This test can look at the baby's DNA to see if there is evidence of genetic conditions that could affect the baby's health.

Chromosome conditions tested:

- Trisomy 21
- Trisomy 18
- Trisomy 13
- Triploidy
- Monosomy X
- Sex-chromosome aneuploidies
- Microdeletions
- Fetal sex (optional)

Timing:	≥ 9 weeks
Detection of Down syndrome:	>99%
False positive rate for Down syndrome:	<1%
Risk of miscarriage:	None

Panorama always screens for the extra or missing chromosomes listed above. Screening for fetal sex and/or microdeletions are optional. Unlike the more common genetic conditions (ex: Down syndrome) that occur more frequently in mothers who are 35 years and older, microdeletions occur in pregnancies at the same rate, regardless of age.

What are Microdeletions?

A small, missing piece of a chromosome is called a microdeletion. Panorama screens for five microdeletion syndromes associated with serious health and developmental problems:

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

What do Panorama™ results tell me?

Panorama gives you a personalized risk score and tells you if your baby is at high or low risk for the conditions it screens for.

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. Note, however, that a low risk result does not guarantee a healthy pregnancy, as Panorama is not a diagnostic test and only screens for certain conditions.

HIGH RISK RESULT

A high risk result means that there is an increased risk that your baby has the condition, but it is not certain. Invasive testing during the pregnancy, such as amniocentesis (amnio) or chorionic villus sampling (CVS), or testing after the baby is born, can tell you for certain if the baby has the condition. Speak with your healthcare provider about your follow-up options.

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 requested.

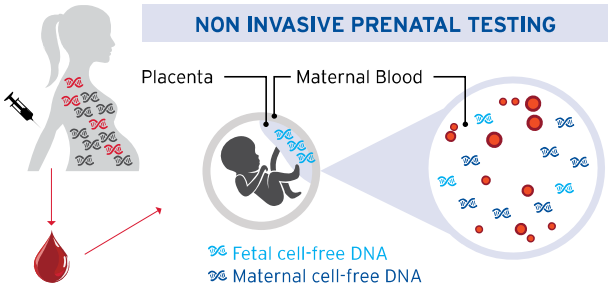
When can I get Panorama™?

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

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

Panorama™ can!

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



How is Panorama™ different?

FEWER FALSE POSITIVES

Because Panorama analyzes the baby's DNA separately, it has a lower false positive and negative rate than other NIPTs.

HIGHEST FETAL SEX ACCURACY

Panorama has the highest reported accuracy in determining the fetal sex[2], and reporting is optional.

TRIPLOIDY

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

ZYGOSITY

Panorama is the only NIPT that can determine zygosity (fraternal or identical twins).