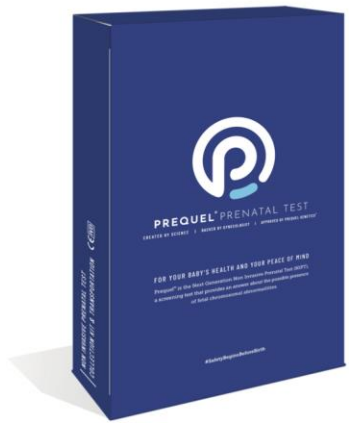

PREQUEL NIPT®
FOR YOUR PEACE OF MIND

## WHAT IS NIPT?

NIPT or noninvasive prenatal testing is a safe way to check if your baby has any chromosomal abnormalities. It is performed by simple venous blood sampling, which contains parts of the baby's DNA. The test determines the percentage of the baby's DNA in your blood, as well as the possible chromosomal abnormalities in the baby. The main purpose of NIPT is to screen for trisomy 21 (Down syndrome), trisomy 18 (Edwards syndrome) and trisomy 13 (Patau syndrome), however, it also screens for syndromes related to sex chromosomes X and Y (Turner syndrome, Klinefelter syndrome, Jacobs syndrome and XXX syndrome).

## WHAT IS PREQUEL® PRENATAL TEST?

The Prequel® prenatal test is built upon scanning the whole-genome.
This involves comprehensive sequencing covering all regions of every chromosome pair. As a result, any deleted or duplicated region of any chromosome can be detected. Due to the varying sizes of these chromosomal abnormalities, spanning any region on any chromosome, compiling a definitive list associated with specific conditions is impossible. Listing all the abnormalities detectable by the test would require an entire book.

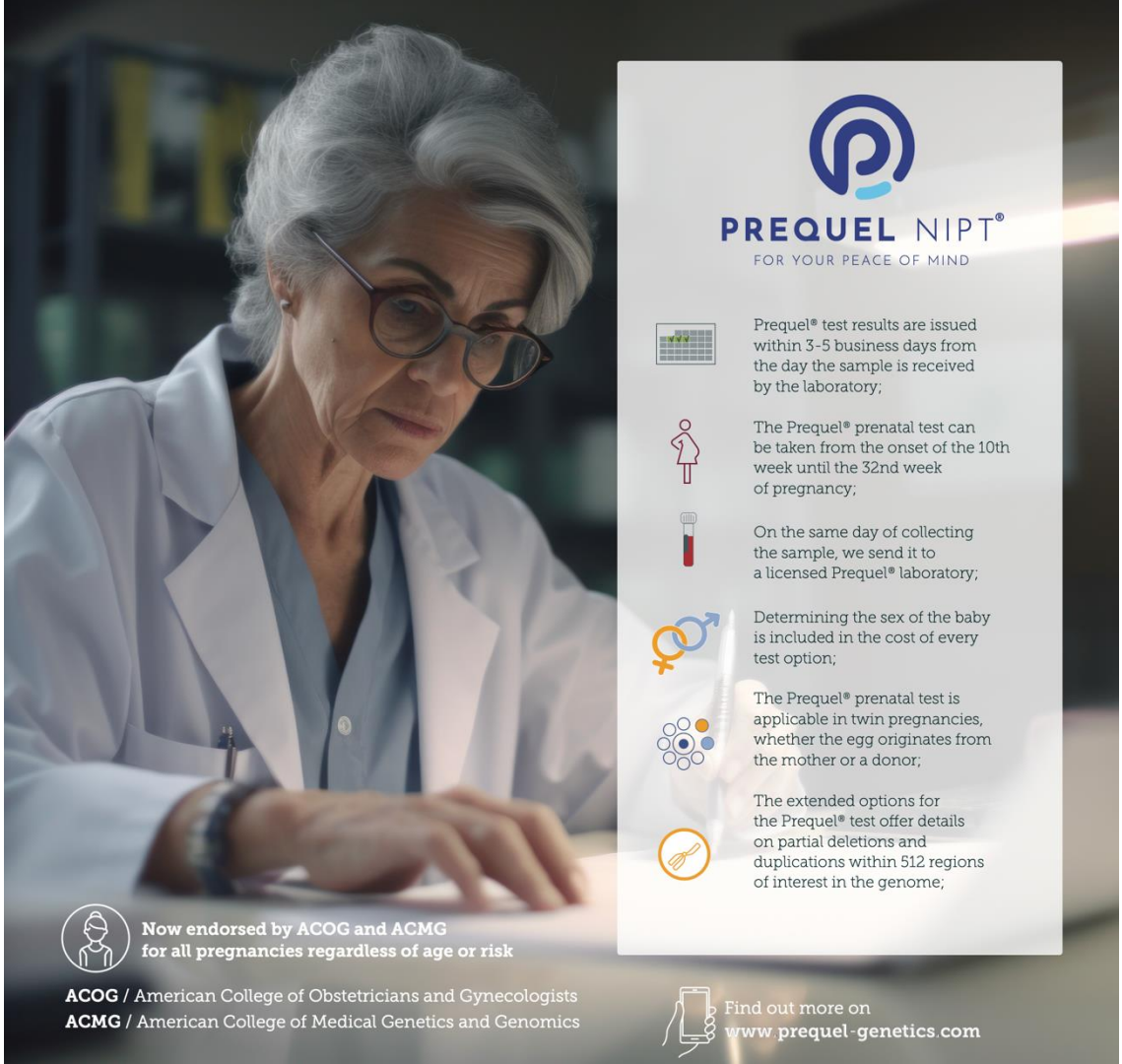


## HOW IS THE PREQUEL® PRENATAL TEST PERFORMED?

**The Prequel®** test is preceded by a detailed consultation with a competent medical professional. Afterwards, a specialized test tube is used to draw 10 ml of blood from the patient, which is then, in accordance with strict transportation and storage regulations, sent to the Prequel® laboratory for genetic testing.

## WHEN SHOULD YOU TAKE THE PREQUEL® PRENATAL TEST?

- Increased risk on the double marker test;
- IVF pregnancy;
- Ultrasound indication of an abnormality;
- Family history of a chromosomal abnormality;
- Miscarriage in previous pregnancies;
- Increased risk of miscarriage with invasive procedures or fear of the procedure.


PREQUEL NIPT®
FOR YOUR PEACE OF MIND
Prequel® test results are issued within 3-5 business days from the day the sample is received by the laboratory;
The Prequel® prenatal test can be taken from the onset of the 10th week until the 32nd week of pregnancy;
On the same day of collecting the sample, we send it to a licensed Prequel® laboratory;
Determining the sex of the baby is included in the cost of every test option;
The Prequel® prenatal test is applicable in twin pregnancies, whether the egg originates from the mother or a donor;
The extended options for the Prequel® test offer details on partial deletions and duplications within 512 regions of interest in the genome;
Now endorsed by ACOG and ACMG for all pregnancies regardless of age or risk
ACOG / American College of Obstetricians and Gynecologists
ACMG / American College of Medical Genetics and Genomics
Find out more on www.prequel-genetics.com

# WHY SHOULD YOU CHOOSE THE PREQUEL® PRENATAL TEST?

- The **Prequel®** test can be taken as early as the 10th week of pregnancy
- The **Prequel®** test results are received within 3-5 business days from the day the sample is received by the laboratory

### Prequel® 1

- Trisomies 21, 18, 13

### Prequel® 2

- Trisomies 21, 18, 13
- Sex Aneuploidies*

### Prequel® 3

- Trisomies 21, 18, 13
- Sex Aneuploidies*
- DiGeorge syndrome

### Prequel® 4

- Trisomies 21, 18, 13
- Sex Aneuploidies*
- CNVs > 7mb**

### Prequel® 5

- Trisomies 21, 18, 13
- Sex Aneuploidies*
- CNVs > 7mb**
- All other chromosomes

### Prequel® 6

- Trisomies 21, 18, 13, 9, 16
- Sex Aneuploidies*
- Microdeletions < 7mb (6 most common)****

### Prequel® 7

- Trisomies 21, 18, 13, 9, 16
- Sex Aneuploidies*
- Microdeletions < 7mb (9 most common)****
- All other chromosomes
- CNVs > 7mb**

## PREQUEL® PRENATAL TEST OPTIONS FOR A TWIN PREGNANCY

### Prequel® 8

- Trisomies 21, 18, 13

### Prequel® 9

- Trisomies 21, 18, 13
- CNVs > 7mb**
- All other chromosomes

# PREQUEL® PRENATAL TEST

PREQUEL NIPT®
FOR YOUR PEACE OF MIND

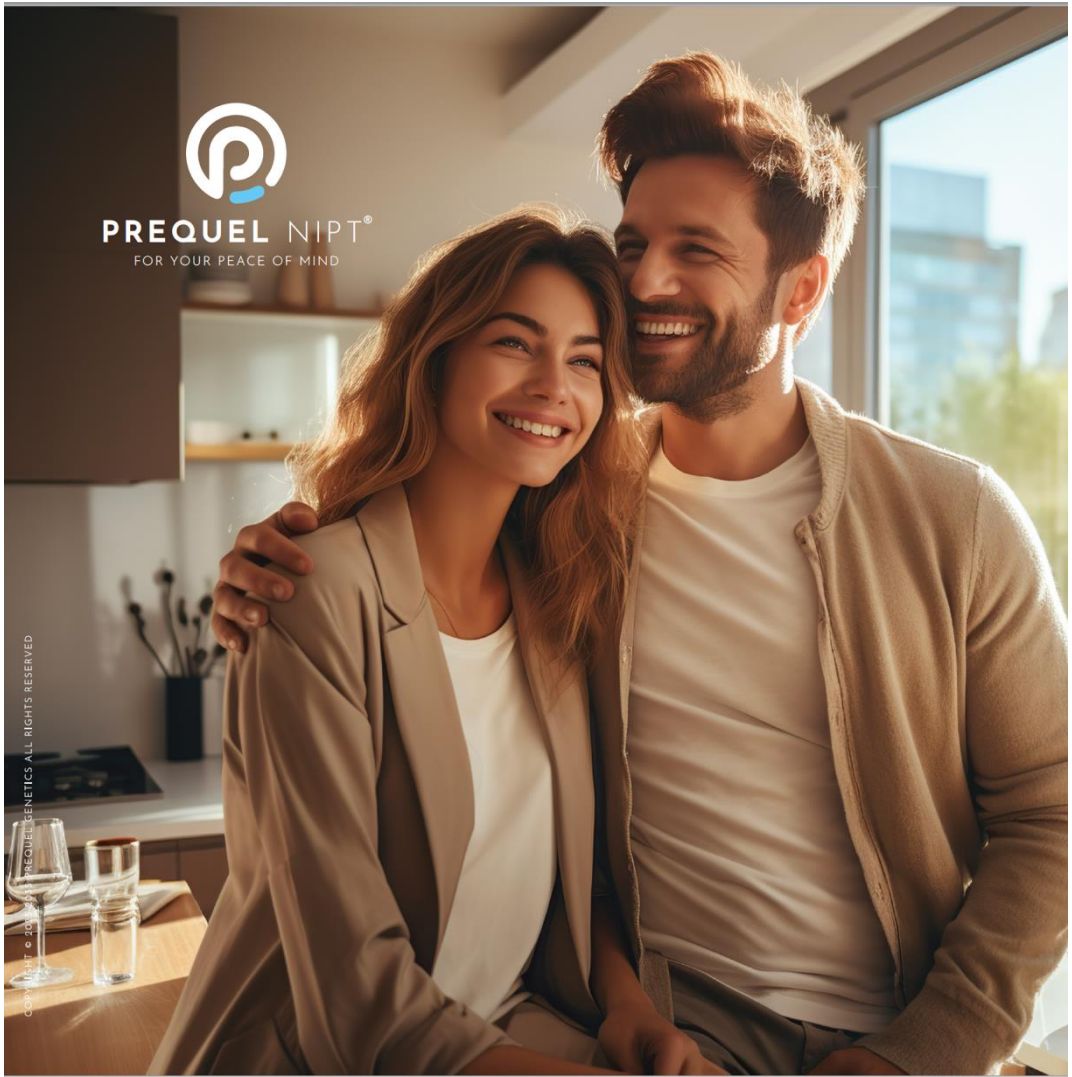
- The **Prequel®** prenatal test specificity is 99.9%
- The **Prequel®** prenatal test error rate is only 0.1%
- The **Prequel®** analyzes all 23 pairs of chromosomes and 512 regions of interest in the genome **
- The **Prequel®** prenatal test redraw sample rate is below 0.5%

* The most common sex chromosome aneuploidies are as follows:
- Turner syndrome (X0)
- Triple X (XXX)
- Klinefelter syndrome (XXY)
- Jacobsen syndrome (XYY)

** The Prequel® test options 4, 5 and 7 analyze 512 genomic regions of interest, identifying anomalies that, as per current databases, could involve CNVs (copy number variations)

*** 9 most common microdeletions < 7mb:
- DiGeorge syndrome (22q11.2)
- 1p36 deletion syndrome
- Angelman syndrome (15q11.2)
- Prader-Willi syndrome
- Cri du Chat (5p- syndrome)
- Wolf-Hirschhorn (4p- syndrome)
- Jacobsen syndrome (11q23-q24.3)
- Langer-Giedion syndrome (8q24.11-q24.13)
- Smith-Magenis syndrome (17p11.2)

**Determining the sex of the baby is included in every test option**


PREQUEL NIPT®
FOR YOUR PEACE OF MIND
COPYRIGHT © 2024 PREQUEL GENETICS ALL RIGHTS RESERVED

# PREQUEL NIPT®

FOR YOUR PEACE OF MIND

For more information on the **Prequel®** prenatal test, visit **www.prequel-genetics.com**
or contact us on e-mail: **info@prequel-genetics.com**
We will be happy to answer all of your questions.


The Prequel® prenatal test can be take as early as the 10th week of pregnancy


A blood sample is sent on the same day to the Prequel® laboratory for the analysis


The Prequel® test results will be received within 3-5 business days