

QNatal® Advanced
Screening for
insights into the
health of your baby



QNatal® Advanced
Noninvasive prenatal screening



Comprehensive insights from Quest Diagnostics— a leader in genetic testing

Since the 1970s, we've been helping parents plan for the future with state-of-the-art genetic tests. Today, we offer more than 900 genetic tests using the best technology available.



Ask your doctor about prenatal screening from Quest Diagnostics

Other helpful resources

- March of Dimes—[MarchOfDimes.com](https://www.marchofdimes.com)
- National Down Syndrome Society—[NDSS.org](https://www.ndss.org)
- Trisomy 18 Foundation (Edwards Syndrome)—[Trisomy18.org](https://www.trisomy18.org)
- Genetic Support Foundation—[GeneticSupportFoundation.org](https://www.geneticsupportfoundation.org)



QNatal® Advanced

Information for greater peace of mind^a

Quest provides support for you and your pregnancy journey. Prenatal screening is an option to help provide greater peace of mind and guidance in planning for the future.

What is the QNatal Advanced noninvasive prenatal screening test?

QNatal Advanced is a simple blood test that can screen for increased risk of certain fetal chromosomal abnormalities that may cause birth defects, such as Down syndrome. The test provides accurate^a results as early as 10 weeks into your pregnancy.

How is QNatal Advanced performed?

QNatal Advanced requires a simple blood draw. It is a noninvasive screen that does not increase the risk of miscarriage. It is considered a noninvasive screen because the lab uses maternal blood to assess the fetal chromosomes.

What are chromosomes and chromosomal abnormalities?

Chromosomes are structures inside cells that contain genes. Some of these genes determine a baby's sex and provide instructions for human growth and development. For example, typically females have 2 X chromosomes and males have 1 X chromosome and 1 Y chromosome.

Most people have a total of 46 chromosomes. When someone is born with an abnormal number of chromosomes, such as due to loss or gain of a chromosome, this is called chromosomal aneuploidy and can result in intellectual and physical impairment. The partial loss, gain, or translocation of chromosomes may also result in intellectual and physical impairment.

What causes chromosomal abnormalities?

Certain factors, such as maternal age (having a baby at age 35 or older), can increase the chance of your baby having certain chromosome abnormalities. Also, having a personal and/or family history of a chromosomal abnormality may increase the chance of having a baby with a chromosomal abnormality.

What conditions does QNatal Advanced screen for?

Condition	Characteristics
Down syndrome (trisomy 21)	<ul style="list-style-type: none">• Distinct physical appearance• Intellectual and behavioral impairments that typically range from moderate to severe• Physical birth defects, such as cardiac defects that may be severe• A higher risk of Alzheimer's disease in adults with Down syndrome
Edwards syndrome (trisomy 18)	<ul style="list-style-type: none">• Severe intellectual impairment• Physical birth defects that affect multiple organs and are often so severe that they are incompatible with life. Many affected pregnancies end as spontaneous miscarriages
Patau syndrome (trisomy 13)	<ul style="list-style-type: none">• Only 5%-10% of babies survive to their first birthday
Turner syndrome (monosomy X)	<ul style="list-style-type: none">• Only occurs in females• Short height• Variable symptoms and signs, ranging from mild (which may result in delayed diagnosis) to severe• Potential problems with learning and/or medical issues• Failure of the ovaries to develop and associated infertility
Other sex chromosome disorders, such as Klinefelter syndrome (XXY) or Triple X syndrome	<ul style="list-style-type: none">• Features vary by condition• Potential problems with learning and other medical issues
Microdeletion screening for 7 clinically relevant syndromes*	<ul style="list-style-type: none">• Features vary by condition• Potential intellectual and physical impairments

*You may choose to opt out of screening for microdeletion syndromes.

Getting QNatal Advanced screening:

Who should get this test?

QNatal Advanced is a good choice for most pregnant women. This includes women^a who are carrying twins^b and those who used another woman's egg to get pregnant.

How and when can I get the test?

- Talk with your doctor about QNatal Advanced to determine if it's right for you. You can get the test as early as 10 weeks into your pregnancy
- You can have the test performed at your doctor's office or your local Quest Diagnostics patient service center. See the back of this brochure for details

What's the best way to get my test results?

The easiest way to get your results is with the MyQuest[®] patient portal available at MyQuest.QuestDiagnostics.com.

Is QNatal Advanced the only test I need?

QNatal Advanced is accurate^a, but a screening test cannot provide a definitive diagnosis. If your result is negative, it does not guarantee the birth of a healthy baby. If your result indicates an increased risk, your doctor will refer you for additional testing to confirm the result. Pregnancy decisions, like termination, should not be based on the results of the screening test alone.

^a QNatal[®] Advanced is a cell-free DNA test that screens for increased risk of certain fetal chromosomal abnormalities that may cause birth defects, including trisomy 21 (Down syndrome), trisomy 18, trisomy 13, and certain sex chromosome abnormalities (ie, 45,X, 47,XXY, 47,XXX, and 47,XYY). In addition, if selected as an option, QNatal Advanced can screen for fetal sex and/or certain microdeletions (ie, 22q, 5p, 1p36, 15q, 11q, 8q, and 4p) that may cause birth defects. This test does not assess the risk of fetal anomalies such as neural tube defects or ventral wall defects. QNatal Advanced is not recommended before 10 weeks' gestation due to a significantly increased risk of a failed result.

QNatal is a "screening" test, not a diagnostic test, and therefore all positive/increased risk results should be followed by genetic counseling and further diagnostic testing and procedures, when clinically indicated. Pregnancy management decisions should not be based on the results of a cfDNA test alone. As with any test, there may be false positives or false negatives. The positive predictive value of the screening test varies by genetic marker and may be lower for rare conditions. Performance data for the QNatal Advanced test may be obtained by contacting Quest Diagnostics at 1.866.GENE.INFO (1.866.436.3463). QNatal Advanced is a laboratory-developed test that has been developed and validated, pursuant to the Clinical Laboratory Improvements Amendments of 1988 (CLIA), and as such it has not been reviewed by the FDA.

^b Data on file. Less data is available for twin pregnancies than singleton pregnancies. Screening results for twins and multiple gestations may be less reliable, in part, because it is difficult to tell which baby is affected.

What if I have questions about the cost or need financial assistance?

Quest is in-network with most major health insurance plans. QNatal Advanced is usually covered, but the cost can still vary. Contact a **Patient Navigator** to review your insurance coverage, answer billing questions, and clarify costs you may be charged for testing.

Call 1.888.445.5011 or email:

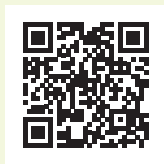
PatientNavigators@QuestDiagnostics.com

Financial assistance available to patients who qualify, with or without insurance

- Payment plans with monthly installments are available
- For patients whose household income is at or below the federal poverty level, testing is free. For those with household income between 1 and 4 times the level, the maximum out-of-pocket cost is \$200
- The application for financial assistance can be found under “How to obtain assistance” at QuestDiagnostics.com/FinancialAssistance

Schedule your appointment

Simply scan this QR Code, visit QuestDiagnostics.com/Locations, or call 1.866.MYQUEST (1.866.697.8378) to make an appointment at a PSC.



For more information about QNatal Advanced, including limitations, see page 5.

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