Quest Advanced™
Women's Health

QNatal® Advanced

Noninvasive Prenatal Screening

Comprehensive screening
for clearer insight

- A noninvasive prenatal cell-free DNA (cfDNA) screen
- Can be ordered as early as 10 weeks gestation
- Utilizes Next-Generation Sequencing (NGS) technology and superior bioinformatics for high sensitivity, specificity, and PPV
- One of the lowest "no call" rates in the industry
- Can choose to opt out of fetal sex and/or microdeletion reporting

QNatal Advanced screens for:

Trisomies

Trisomy 21	Down syndrome
Trisomy 18	Edwards syndrome
Trisomy 13	Patau syndrome

Sex chromosomes[a]

45,X	Turner syndrome
47,XXY	Klinefelter syndrome
47,XXX	Triple X syndrome
47,XYY	XYY syndrome

Microdeletions[a,b]

22q	DiGeorge syndrome
5p	Cri-du-chat syndrome
1p36	1p36 deletion syndrome
15q	Angelman/Prader-Willi syndromes
11q	Jacobsen syndrome
8q	Langer-Giedion syndrome
4p	Wolf-Hirschhorn syndrome

Fetal sex[b]

[a]Will be reported as additional finding when detected
[b]Can opt out

Quality you can trust from Quest Diagnostics—**a leader in genetic testing**

Quest Diagnostics has **over 30 years** of experience in providing prenatal screening and diagnostic testing to help you manage your patients' care more effectively. We offer **more than 900 genetic tests** using some of the newest technologies available today.

QNatal Advanced
Strong clinical performance

Superior sensitivity and specificity

QNatal Advanced was verified and validated in a study of 2,752 pregnant women, showing high sensitivity and specificity.[1]

Trisomy screen	Sensitivity	Specificity
Singletons (n=2,637)		
90 of 90 trisomy 21	>99.9%	>99.9%
30 of 30 trisomy 18	>99.9%	>99.9%
18 of 18 trisomy 13	>99.9%	>99.9%
1 of 1 sex aneuploidies	>99.9%	>99.9%
371 of 372 fetal sex	>99.7% accuracy	
Twins (n=115)		
10 of 10 trisomy 21	>99.9%	>99.9%
4 of 4 trisomy 18	>99.9%	>99.9%
1 of 1 trisomy 13	>99.9%	>99.9%

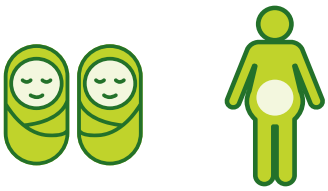
High overall positive predictive value (PPV)

Chromosome abnormality	QNatal Advanced PPV
Trisomy 21	98.1%
Trisomy 18	88.2%
Trisomy 13	59.3%
Sex chromosome aneuploidy	69%
Microdeletions[a]	75%

[a]PPV for 22q11.2 deletion (DiGeorge) syndrome estimated at 69%-100% based on data presented at the 2020 ACMG Annual Clinical Genetics Meeting.

QNatal Advanced shows solid performance in both high- and average-risk populations, including twin pregnancies[2]

- Demonstrated in a real-world study including 69,794 unique pregnancies
- Validated technology and advanced bioinformatics for high PPV and a low “no call” rate
- Excellent analytical sensitivity and specificity for trisomy 21, 18, and 13
- Can be reliably performed on pregnancies conceived with donor eggs



Quest supports your patients and your practice throughout the pregnancy journey

Quick results with simple, clear reporting

Results are generally available in 5-7 days. Reports are easy to read, with clear positive or negative results. As recommended by ACMG, fetal fraction is included on all reports, and all positive results include the age-adjusted PPV.

QNatal® Advanced

Interpretation Summary — **Lab: EZ**

This specimen showed expected representation of chromosome 21, 18, and 13 material.

Chromosome Results

Chromosome Tested	Results
Trisomy 21 (T21)	Negative
Trisomy 18 (T18)	Negative
Trisomy 13 (T13)	Negative

Fetal Sex Result

Y Chromosomal material Not detected	Consistent with a female fetus. ♀

Pregnancy Data

Fetal Fraction	12%
Number of Fetuses	1
Gestational Age	
Weeks	32
Days	5

Additional Chromosome Results

Chromosome Tested	Results	Interpretation
Sex Chromosome	No aneuploidy	No apparent abnormality was detected. See "Limitations" below.
Microdeletion	Not detected	No apparent abnormality was detected. See "Limitations" below.

Laboratory Comments — **Lab: EZ**

N/A

Convenient blood draws

Quest Diagnostics has numerous Patient Service Centers (PSCs) located throughout the US, giving your patients the accessibility they need.

Access to genetic counselors

Quest has a team of genetic counselors ready to answer your questions. To reach a genetic counselor, call **1.866.GENE.INFO** (1.866.436.3463) Monday through Friday from 8:30 AM to 8:00 PM ET.

A full-service genetics laboratory

We offer a broad range of testing options that includes everything from cytogenetic testing on amniocentesis to CVS specimens. If your patients need follow-up diagnostic testing, you can feel comfortable knowing the results will be analyzed by the same laboratory.

A focus on innovation

With peer-reviewed publications and research studies, Quest continues to innovate and help shape women's healthcare. As a lab-developed test, QNatal Advanced continues to evolve as more women are tested and technology advances.

Understanding costs

Quest Advanced™ Women's Health

Access to QNatal Advanced testing is made easy with these financial tools to help your patients understand their coverage and potential costs.

QNatal Advanced Cost Estimator

This calculator provides an estimated out-of-pocket cost based on information specific to each woman and her pregnancy, her health plan, and her deductible, resulting in a personalized estimate.

Find the calculator at **MyNIPTCost.com**

Prior authorization (PA) services for all QNatal Advanced orders

Orders are routed automatically to our Specialty Testing Services (STS) team who works with a patient's health plan to determine coverage and need for prior authorization.

For questions specific to prior authorization, call **1.888.445.5011** or email **Preauthorization_PrenatalScreening@QuestDiagnostics.com**

Flexible financial options

For the insured—with coverage and appropriate ICD-10 diagnosis codes, patients can pay as little as $0 based on their insurance plan

For the insured who experience a denial— if the health plan denies QNatal Advanced as a "non-covered service," the patient should pay no more than $300

For the uninsured—uninsured patient price (UPP) available in all states for qualified patients[a]

Quest offers flexible and easy-to-use financial assistance for both the insured and underinsured patients. Depending on the number of people in the household and the total household income, patients may be eligible to receive testing and pay no fee ($0) or pay a reduced fee no greater than $200. For more information and to download an application, please visit: **QuestDiagnostics.com/Financial Assistance**

76% of insured patients pay less than $99, and our convenient, interactive cost estimator provides an estimated out-of-pocket responsibility.

How to order QNatal Advanced

Easily order QNatal Advanced and other pregnancy-related testing through your EMR or Quanum® Lab Services Manager.

Test name	Test code	CPT code[b]	Specimen requirements
QNatal® Advanced	92777	81420	• 20 mL whole blood collected in 2 Streck tubes at 10 weeks gestation or later • Store specimens at room temperature; do not refrigerate or freeze

For more information, contact your **Quest Diagnostics sales representative** or visit **QuestDiagnostics.com/NIPS**

For clinician consultation on test results, call **Genomic Client Services** at **1.866.GENE.INFO (1.866.436.3463)** Monday-Friday from 8:30 AM to 8:00 PM ET

[a]Alternative UPP pricing is available in Florida, New Hampshire, Massachusetts, Maine, Rhode Island, Vermont, and Texas.
[b]The CPT codes provided are based on AMA guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed.

References
1. Anderson B et al. An automated, non-invasive prenatal screening assay (NIPS) for trisomy 21,18,13 in singleton and twin gestations [FIGO abstract FCS79.3.]. *Int J Gynaecol Obstet.* 2015;131(Suppl 5):E264.
2. Guy C, Haji-Sheikhi F, Rowland CM, et al. Prenatal cell-free DNA screening for fetal aneuploidy in pregnant women at average or high risk: Results from a large US clinical laboratory. *Mol Genet Genomic Med.* 2019;7(3):e545. doi:10.1002/mgg3.545

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