Non-invasive prenatal screening

Invitae’s high-quality, affordable non-invasive prenatal screening (NIPS) can detect fetal chromosomal abnormalities as early as 10 weeks, for all singleton and twin pregnancy patients.

Microdeletion and sex chromosome analysis can be added to Invitae NIPS at no additional charge. To give your patients a comprehensive genetic evaluation in early pregnancy, pair NIPS with Invitae carrier screening.

THE INVITAE ADVANTAGE

- **Comprehensive**
  Testing for all stages of pregnancy, including carrier testing, early pregnancy screening, prenatal diagnosis, and pregnancy loss analysis

- **Affordable**
  Cost shouldn’t be a barrier: in network for 250+ million patients; $250 patient-pay pricing option

- **Fast**
  Results available in just 5–7 days on average

- **Hands-on support**
  Get support from Invitae’s team of board-certified genetic counselors and genetics experts

INVITAE NIPS

Quickly analyzes cell-free DNA (cfDNA) to assess whether a singleton or twin pregnancy is at increased risk for some of the most common chromosomal disorders.

**Trisomies detected:**
- Trisomy 21 (Down syndrome)
- Trisomy 18 (Edwards syndrome)
- Trisomy 13 (Patau syndrome)

Invitae’s elective add-ons are offered at no additional charge

<table>
<thead>
<tr>
<th>MICRODELETION ADD-ON (optional)</th>
<th>SEX CHROMOSOME ADD-ON (optional)</th>
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<tr>
<td>Detect five clinically significant microdeletion regions to screen for syndromes that may be undetectable by ultrasound and other early screening technologies.</td>
<td>Predict fetal sex as early as 10 weeks and simultaneously assess the risk of sex chromosome disorders.</td>
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**Microdeletions detected:**
- 1p36 deletion syndrome
- DiGeorge syndrome
  22q11.2 deletion syndrome
- Angelman syndrome/Prader-Willi syndrome
  15q11.2 deletion syndrome
- Cri du Chat syndrome
  5p15.2 deletion syndrome
- Wolf-Hirschhorn syndrome
  4p16.3 deletion syndrome

**Aneuploidies detected:**
- Turner syndrome
  Monosomy X
- Triple X syndrome
  47,XXX
- Klinefelter syndrome
  47,XXY
- Jacob’s syndrome
  47,XYY

For more information visit: [www.invitae.com/NIPS](http://www.invitae.com/NIPS).
HOW IT WORKS

3. Receive email notifications when patient’s results are ready (5–7 days on average) or sign up for positive result text message alerts.

CLEAR, RELIABLE RESULTS

Lowest failure rate in the industry
- Our technology, which uses whole-genome sequencing, offers the lowest published failure rate in the industry, 0.1%.15

Positive predictive value (PPV)
- Every positive report contains a PPV for chromosomes 21, 18, and 13, so you can reliably express the risk of actual trisomy.
- PPV is calculated for each patient using individualized maternal age and gestational age.

Fetal fraction
- Each result report includes fetal fraction, the percentage of fetal DNA (placental cfDNA) present in the sample. Invitae’s technology is optimized to handle samples at the low end of the fetal fraction rate to deliver more accurate results.

STREAMLINED EXPERIENCE

Invitae’s HIPAA-compliant online clinician portal offers:
- immediate result delivery by email and text message
- easy-to-read reports with next step recommendations
- access to your patient’s consultation notes from Invitae’s genetic counseling services
- auto-release your patient’s negative results, so they can easily take advantage of Invitae’s interactive patient portal

Invitae’s HIPAA-compliant online patient portal allows your patients to:
- easily view and pay their bill
- receive released results
- access educational resources to help them understand the genetic testing process and their results
- schedule an appointment with one of Invitae’s experienced genetic counselors

Expert genetic counseling services
Invitae’s experienced genetic counselors can help to review cases, differentiate between tests, and interpret results, Monday through Friday, 5 am to 5 pm Pacific. Find out more at www.invitae.com/clinical-support-services. Genetic counselors are also available by appointment to speak with your patients directly. (You can access their consultation notes in your online portal account.)

Follow-up confirmatory testing with fast turnaround time
Invitae offers prenatal diagnostic testing, enabling you to seamlessly confirm a positive NIPS result. Testing options include karyotype, microarray, and FISH analysis. Learn more at www.invitae.com/prenatal-diagnosis.

References: