

Genetic testing, simplified

THE ANSWERS YOU NEED, EASILY AND AFFORDABLY



Our mission is to make high-quality genetic testing affordable and accessible through every stage of life.

CARRIER SCREENING

Invitae's customizable carrier screen includes testing for up to 301 genes and offers full sequencing and deletion/duplication analysis, leading to a greater than 99% detection rate for most genes. Results available in 10 to 21 days on average.

NON-INVASIVE PRENATAL SCREENING (NIPS)

Invitae's non-invasive prenatal screening quickly analyzes cell-free DNA (cfDNA) to assess whether a singleton or twin pregnancy is at increased risk for the three most common chromosomal disorders on chromosomes 21, 18, and 13. Testing includes the optional add-on of clinically significant microdeletions and analysis of sex chromosome abnormalities, with results available in 5 to 7 days on average.

PRENATAL DIAGNOSIS

Invitae's prenatal analysis identifies chromosomal abnormalities and can provide definitive answers for patients. Invitae offers both whole genome microarray and targeted karyotyping, with results available in 7 to 8 days on average.

PREGNANCY LOSS

Invitae's pregnancy loss chromosomal microarray analysis determines whether a miscarriage or fetal demise/stillbirth was caused by a chromosome abnormality. Microarray technology gives answers to more patients than traditional karyotyping and delivers results in more than 92.4% of cases in as soon as 10 to 12 days.

Learn more at www.invitae.com/maternal-fetal-medicine.

Invitae is one of the fastest growing genetic information companies in the United States, dedicated to improving the quality of healthcare for billions of people through comprehensive genetic information.

Across the company, the first and last question we always ask is "Will this make patients' lives better?"

SUPPORT YOU CAN COUNT ON

- Invitae's in-depth clinical support lets you spend more time doing what you do best: caring for patients.
- Our team of genetic counselors can assist with case review, appropriate test selection, result interpretation, and follow-up recommendations.
- Our board-certified genetic counselors can answer your patients' questions and can provide full genetic counseling sessions.

CONFIDENCE BEGINS WITH QUALITY

- Invitae employs the latest in technological advancements to provide in-depth answers to complex health questions.
- We back our technical expertise with hundreds of experts in genetics, bioinformatics, engineering, and technology who care passionately about patients.

DEDICATED TO MAKING GENETIC INFORMATION ACCESSIBLE

- Invitae is dedicated to lowering the barriers for clinicians and patients to use genetic information across all stages of life—from preconception through adult diagnostics.
- We are working toward one simple goal: offering the highest quality genetic testing in the medical community while lowering the cost.

Join us in our mission to improve healthcare for everyone.

CARRIER SCREENING

Test	Specimen type	Specimen requirement	Average turnaround time
Invitae Carrier Screen	Blood	3 mL blood in an EDTA (purple top) tube	10–21 days
Invitae Carrier Screen	Saliva	2 mL of saliva (OG500/OGD500 collection tube) or 1 mL of saliva (OGD510 collection tube)	10–21 days

NON-INVASIVE PRENATAL SCREENING (NIPS)

Test	Specimen type	Specimen requirement	Average turnaround time
Invitae Non-Invasive Prenatal Screen (NIPS)	Cell-free DNA (CfDNA)	Two 10 mL Streck “tiger top” tubes (Minimum 10 weeks gestational age)	5–7 days

PRENATAL ANALYSIS

Test	Specimen type	Specimen requirement	Average turnaround time
Invitae Prenatal Chromosomal Microarray Analysis	Cultured amniocytes Cultured villi	One confluent T-25 flask	7–8 days
Invitae Prenatal Targeted Chromosomal Microarray Analysis	Amniotic fluid Chorionic villi	15–20 mL amniotic fluid or 5–10 mg cleaned chorionic villi	7–8 days
Invitae Prenatal Chromosome Analysis (Karyotype)	Amniotic fluid Chorionic villi	15 mL amniotic fluid or 25–30 mL with reflex to microarray or 5–10 mg cleaned chorionic villi	10–12 days
Invitae Prenatal Interphase FISH (for 13, 18, 21, X, Y)	Amniotic fluid Chorionic villi	5 mL amniotic fluid or 5 mg cleaned chorionic villi	24–48 hours

PREGNANCY LOSS

Test	Specimen type	Specimen requirement	Average turnaround time
Invitae Pregnancy Loss Chromosomal Microarray Analysis	Fresh tissue in POC transport media	15–20 mg fetal or placental tissue placed in transport media in a 50 mL specimen jar	10–12 days
Invitae Pregnancy Loss Chromosomal Microarray Analysis	Formalin-fixed paraffin-embedded (FFPE) tissue block or unstained slides	1 FFPE block with >1 cm ³ of fetal tissue or 10 unstained slides with 7 micron-thick sections plus one H&E stained slide	10–12 days
Maternal Cell Contamination (MCC) Studies	Peripheral blood	4 mL blood in an EDTA (purple top) tube	17 days
Parental Karyotype Analysis	Peripheral blood	4 mL blood in a NaHep (green top) tube	14 days