Quest Advanced® Women's Health

California

Comprehensive **pregnancy and wellness** testing and insights

In California, Quest Diagnostics® is your single laboratory testing source for every phase of the reproductive journey

Supporting your patients and your practice in California
throughout the pregnancy journey

We've made testing easy with expansive coverage, flexible financial options, easy-to-use online tools, and clinical consultation from our Genomics Services Team.

Supporting California

- **400+ Patient Service Centers** for convenient testing
- **2 dedicated laboratories** for genetic and molecular testing
- **15 STAT laboratories** for quicker turnaround times

Simplified processes

- **Quanum® Lab Services Manager** makes it easy to order tests and get results when you need them
- **MyQuest® online portal and app** helps patients securely access results

Accessible testing

- **Quest is in-network** with the majority of health plans nationwide
- **Our Specialty Testing Services team** provides prior authorization for certain tests to fulfill health plan coverage requirements
  Call 1.855.509.4909
- **Easy-to-use financial assistance program** helps qualified patients receive testing at no cost or at a reduced patient price
  To download an application, please visit
  QuestDiagnostics.com/FinancialAssistance

A leader in genetic testing

- **Comprehensive test menus** for every step in the reproductive journey,
  TestDirectory.QuestDiagnostics.com
- **Quest has a team of experienced genetic counselors** ready to answer your questions
  Call 1.866.GENE.INFO (1.866.436.3463)
  Monday through Friday from
  8:30 AM to 8:00 PM EST

Quest Advanced® Women's Health

Genetic carrier screening is important for patients considering pregnancy

Maximize clinical insights while minimizing uncertainty

LABORATORY SCREENING OPTIONS	QUEST TEST	TEST CODE
Pan-ethnic expanded carrier screen	**QHerit® Expanded Carrier Screen**[a] Reports on 22 inherited disease conditions. The below disease conditions are included in the QHerit panel. If there's an interest in screening for a specific disorder, Quest also offers single-gene screening of these disease conditions.[b,c] Please refer to the Gene test code column for ordering information.	94372
Prenatal carrier	**Prenatal Carrier Panel**[e] Includes CFvantage® (cystic fibrosis), spinal muscular atrophy (SMA), Fragile X syndrome[d]	93349
Cystic fibrosis	**CFvantage Cystic Fibrosis Expanded Screen** 161 CF variants, including the 23 common variants aligned with ACOG guidelines	92068
Fragile X	XSense®, Fragile X[d] with Reflex[f]	16313
Spinal muscular atrophy	SMA Carrier Screen	39445

Disease conditions	Gene	Gene test code[b,c]
Alpha-thalassemia	*HBA1/HBA2*	11175
Beta-hemoglobinopathies (including sickle cell disease)	*HBB*	14974
Bloom syndrome	*BLM*	90872
Canavan disease	*ASPA*	90905
Cystic fibrosis	*CFTR*	92068
Dihydrolipoamide dehydrogenase deficiency	*DLD*	92046
Familial dysautonomia	*IKBKAP*	90912
Familial hyperinsulinism, ABCC8-related	*ABCC8*	92045
Fanconi anemia, type C	*FANCC*	90897
Fragile X syndrome[d]	*FMR1*	16313
Gaucher disease	*GBA*	90907
Glycogen storage disease, type 1A	*G6PC*	90915
Joubert syndrome 2	*TMEM216*	92050
Maple syrup urine disease, 1B	*BCKDHB*	90909
Mucolipidosis, type 4	*MCOLN1*	90899
Nemaline myopathy	*NEB*	92055
Niemann-Pick disease, types A & B	*SMPD1*	90893
Spinal muscular atrophy	*SMN*	39445
Tay-Sachs disease	*HEXA*	90903
Usher syndrome, type 1F	*PCDH15*	92047
Usher syndrome, type 3A	*CLRN1*	92048
Walker-Warburg syndrome	*FKTN*	92051

Please contact our genetic counselors with any questions concerning your patient's genetic tests.
Call 1.866.GENE.INFO (1.866.436.3463) Monday through Friday 8:30 AM to 8:00 PM EST

[a] QHerit is a carrier "screening" test, and it screens for variations in genes linked to certain health disorders, which can be passed from parents to children. For a full list of all 22 genes that QHerit screens, visit QHerit.com. If QHerit results suggest that a patient may be a carrier of a gene variation that can cause a health disorder in her offspring, it is recommended that her reproductive partner be offered genetic screening, and that genetic counseling be provided. Pregnancy management decisions should not be based on the results of QHerit alone. As with any test, there may be false positives or false negatives. The positive predictive value of the screening test varies by genetic variation, and may be lower for rare conditions. QHerit 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 FDA.

[b] While we offer comprehensive testing, some patients may have an interest in screening for a specific disorder, such as cystic fibrosis. For these patients, Quest Diagnostics offers single-gene screening. Consultation available on genetic test selection and results interpretation: 1.866.GENE.INFO (1.866.436.3463).

[c] Please note that Quest offers a variety of single gene and gene panel testing. For the genetic panel noted in this document, there may be single gene tests or smaller panels that may be applicable for your patient. Panel and Profile components may be ordered separately. Refer to the Quest Diagnostics Test Directory for further information: https://testdirectory.questdiagnostics.com/test/home.

[d] Designated X-linked diseases.

[e] Individual testing is available for partners of known carriers, and individual panel components can be ordered separately.

[f] Reflex testing may be performed at an additional charge.

Screening is an important part of a healthy pregnancy

Appropriate prenatal testing is a crucial part of caring for people who are expecting

1st trimester

LABORATORY SCREENING OPTIONS	QUEST TEST	TEST CODE
OB panel (can be ordered as a panel or individually)[g]	Obstetric Panel	20210
OB panel, individual components	Complete blood count (CBC) (includes Differential and Platelets)	6399
	Antibody Screen, red blood cells (RBC) with Reflex to Identification, Titer, and Antigen Typing[f]	795
	ABO Group and Rh Type	7788
	Rapid plasma reagin (RPR) (Diagnosis) with Reflex to Titer and Confirmatory Testing[f] (non-treponemal screening for syphilis)	36126
	Hepatitis B Surface Antigen with Reflex Confirmation[f]	498
	Rubella Antibody (IgG), Immune Status	802
Additional OB Panel	Obstetric Panel with Fourth Generation HIV Individual components[g]	93802
Additional OB Panel component	HIV-1/2 Antigen and Antibodies, Fourth Generation, with Reflexes[f]	91431
Additional OB Panel	Obstetric Panel with Fourth Generation HIV, Hepatitis C Antibody with Reflex	12075
Additional OB Panel component	Hepatitis C Antibody with Reflex to HCV, RNA, Quantitative, Real-Time PCR	8472
Additional 1st trimester tests		
Cervical cytology screening, if indicated[h]	Image-Guided Pap with Age-Based Screening Protocols[h]	91384
	Image-Guided Pap with Age-Based Screening with CT/NG[h]	91385
	Image-Guided Pap with Age-Based Screening with CT/NG, *Trichomonas*[h]	91386
	Pap alone	See note[h]

[f] Reflex testing may be performed at an additional charge.

[g] If Antibody Screen is positive, Antibody Identification, Titer, and Antigen Typing will be performed at an additional charge. If RPR screen is reactive, RPR Titer and FTA Confirmatory testing will be performed at an additional charge. When only 1 test, Hepatitis B Surface Antigen, is ordered to diagnose Hepatitis B in a pregnant person, additional tests such as liver enzymes should be ordered to confirm the diagnosis.

[h] The age-based offerings are based on ACOG recommendations and include image-guided Pap tests. Non-imaged Paps as well as conventional Paps are also available at Quest Diagnostics.

Individual panel components can be ordered separately.

LABORATORY SCREENING OPTIONS	QUEST TEST	TEST CODE
Additional 1st trimester tests		
Urinalysis/Urine culture	Urinalysis, Complete	5463
	Urinalysis, Complete, with Reflex to Culture[f]	3020
	Culture, Urine, Routine	395
	Urinalysis with Reflex to Microscopic[f]	7909
Zika testing	Zika Virus RNA, Qualitative, Real-Time RT-PCR	93870
	Zika Virus RNA, Qualitative, Real-Time RT-PCR Panel, Serum/Urine	94221
	Although rates of Zika virus infection have decreased in the United States, obstetricians/gynecologists and other healthcare providers should continue to assess their patients for potential exposure based on travel or sexual history and test symptomatic patients with possible exposure and pregnant people with ongoing exposure regardless of symptoms in accordance with the CDC recommendations.[1]	
Fetal aneuploidy 1st trimester testing		
First Trimester Screen	**First Trimester Screen, hCG** The screen includes pregnancy-associated plasma protein-A (PAPP-A), human chorionic gonadotropin (hCG), nuchal translucency (NT) test; and risk assessments for trisomy 21 and trisomy 18	16145
Maternal Serum Screen (Part 1)	**Stepwise, Part 1** The screen includes PAPP-A, hCG, NT test; and risk assessments for trisomy 21 and trisomy 18	16463
	Serum Integrated Screen, Part 1 This screen includes PAPP-A; and risk assessments for trisomy 21 and trisomy 18 reported after Part 2	16165
	Sequential Integrated Screen, Part 1 This screen includes PAPP-A, hCG, NT test; and risk assessments for trisomy 21 and trisomy 18	16131
	Integrated Screen, Part 1 This screen includes PAPP-A, NT test; and risk assessments for trisomy 21 and trisomy 18 reported after Part 2	16148
Noninvasive prenatal screening	GDSP cfDNA Panel[i]	Available through CalGenetic Portal
Sex chromosome aneuploidies (SCAs) and microdeletions	CA SCA and Microdeletions[i]	12296
Sex chromosome aneuploidies (SCAs) only	CA SCA[i]	12299
Diagnostic Chromosomal Analysis via chorionic villus sampling (CVS), if indicated	Chromosome Analysis, Chorionic Villus Sample (CVS)	14592

[f] Reflex testing may be performed at an additional charge.

[i] The GDSP (Genetic Disease Screening Program) cfDNA Panel is a cell-free DNA test that can screen for increased risk of trisomy 21, trisomy 18 and trisomy 13, which are fetal chromosomal abnormalities that may cause birth defects. It can also screen for fetal sex, if elected. Supplemental cfDNA screening is also available for sex chromosome aneuploidies (SCAs) and/or microdeletions. The GDSP cfDNA Panel, as well as the supplemental tests for SCA and/or microdeletions, are "screening" tests, not a diagnostic tests, and therefore all positive (ie, 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 GDSP cfDNA Panel and for the supplemental screening tests may be obtained by contacting Quest Diagnostics at 1.866.GENE.INFO (1.866.436.3463).

Individual panel components can be ordered separately.

LABORATORY SCREENING OPTIONS	QUEST TEST	TEST CODE
Infectious disease 1st trimester tests		
Tuberculosis (TB), if indicated[j]	QuantiFERON®-TB Gold Plus, 1 Tube	36970
	QuantiFERON-TB Gold Plus, 4 Tubes, Draw Site Incubated	36971
	T-SPOT®.*TB*	37737
Chlamydia[j]	*Chlamydia trachomatis* RNA, TMA, Urogenital	11361
Gonorrhea, if indicated[k]	*Neisseria gonorrhoeae* RNA, TMA, Urogenital	11362
Chlamydia and gonorrhea	*Chlamydia trachomatis/Neisseria gonorrhoeae* RNA, TMA, Urogenital	11363
HIV testing	HIV-1/2 Antigen and Antibodies, Fourth Generation, with Reflexes[f]	91431
Hepatitis C testing	Hepatitis C Antibody with Reflex to HCV, RNA, Quantitative, Real-Time PCR[f]	8472
	Hepatitis C Antibody with Reflex to HCV RNA, PCR w/Reflex to Genotype, LIPA[f]	94345
Syphilis	Syphilis Antibody Cascading Reflex	90349

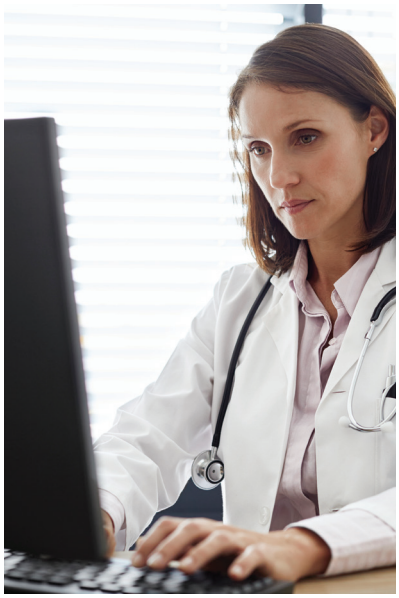
[f] Reflex testing may be performed at an additional charge.

[j] Risk factors include known HIV infection; close contact with individuals known or suspected to have TB; medical risk factors such as diabetes, lupus, cancer, alcoholism, and drug addiction; birth in or emigration from countries with high prevalence; being medically underserved; homelessness; living or working in long-term care facilities, such as correctional institutions, mental health institutions, and nursing homes.

[k] If positive, test-of-cure should be performed within 3-4 weeks post-treatment.

CDC recommends STI screening during pregnancy

According to The Centers for Disease Control and Prevention (CDC), pregnant patients should be tested for some STIs, starting early in their pregnancy and repeating close to delivery, as needed. They also recommend open, honest conversations with pregnant patients and, when possible, their sex partners about symptoms and any high-risk sexual behaviors.[2]



Maintaining prenatal care is essential, even as the due date approaches

Second and third trimester screening can provide important insights to help you and your patient make informed decisions

2nd trimester

LABORATORY SCREENING OPTIONS	QUEST TEST	TEST CODE
CBC	**CBC (includes Differential and Platelets)** This screen includes white blood count (WBC), RBC, Hemoglobin, Hematocrit, MCV, MCH, MCHC, RDW, Platelet Count, MPV and Differential (absolute and percent neutrophils, lymphocytes, monocytes, eosinophils, and basophils)	6399
	CBC (H/H, RBC, Indices, WBC, Plt) This screen includes WBC, RBC, Hemoglobin, Hematocrit, MCV, MCH, MCHC, RDW, Platelet Count	1759
	Hematocrit	509
	Hemoglobin	510
Gestational diabetes screening	**Glucose, Gestational Screen (50g), 135 Cutoff** (ACOG supported 1st step of 2-step gestational diabetes mellitus (GDM) evaluation)	8477
	Glucose, Gestational Screen (50g), 140 Cutoff (ACOG supported 1st step of 2-step GDM evaluation)	19833
	Glucose Tolerance Test, Gestational, 4 Specimens (100g) (ACOG supported 2nd step of 2-step GDM valuation)	6745
Additional 2nd trimester testing		
Quad Screen	**Quad Screen** This screen includes alpha-fetoprotein (AFP), unconjugated estriol (uE3), hCG, and inhibin A (DIA); and risk assessments for trisomy 21, trisomy 18, and open neural tube defects (ONTD)	30294
Maternal Serum Screen (Part 2)	**Serum Integrated Screen, Part 2** This screen includes AFP, uE3, hCG, DIA, and PAPP-A from Serum Integrated Screen, Part 1; and risk assessments for trisomy 21, trisomy 18, and ONTD	16167
	Stepwise, Part 2 This screen includes AFP, uE3, hCG, DIA, and PAPP-A, hCG, NT from Stepwise, Part 1; and risk assessments for trisomy 21, trisomy 18, and ONTD	16465
	Sequential Integrated Screen, Part 2 This screen includes AFP, uE3, hCG, DIA , and PAPP-A, hCG, NT from Sequential Integrated Screen, Part 1; and risk assessments for trisomy 21, trisomy 18, and ONTD	16133
	Integrated Screen, Part 2 This screen includes AFP, uE3, hCG, DIA, and PAPP-A, NT from Integrated Screen, Part 1; and risk assessments for trisomy 21, trisomy 18, and ONTD	16150
Maternal Serum Alpha-Fetoprotein	**Maternal Serum AFP** This screen includes AFP and risk assessment for ONTD	Available through CalGenetic Portal
Diagnostic Chromosomal Analysis via amniocentesis, if indicated	Chromosome Analysis, Amniotic Fluid	14590

Individual panel components can be ordered separately.

3rd trimester

LABORATORY SCREENING OPTIONS	QUEST TEST	TEST CODE
CBC	**CBC (includes Differential and Platelets)** This screen includes WBC, RBC, Hemoglobin, Hematocrit, MCV, MCH, MCHC, RDW, Platelet Count, MPV and Differential (absolute and percent neutrophils, lymphocytes, monocytes, eosinophils, and basophils)	6399
	CBC (H/H, RBC, Indices, WBC, Plt) This screen includes WBC, RBC, Hemoglobin, Hematocrit, MCV, MCH, MCHC, RDW, Platelet Count	1759
	Hematocrit	509
	Hemoglobin	510
D (Rh) antibody screen	Antibody Screen, RBC with Reflex to Identification, Titer, and Antigen Typing[f]	795
Group B streptococcal disease	*Streptococcus* Group B Culture	5617
	Streptococcus Group B with Susceptibility Culture	15090
	Streptococcus Group B DNA, PCR with Broth Enrichment	91768
	Streptococcus Group B DNA, PCR with Broth Enrichment and Reflex to Susceptibility[f]	91770
Chlamydia (if patient tested positive or is high risk due to age or lifestyle)	*Chlamydia trachomatis* RNA, TMA, Urogenital	11361
Gonorrhea (if patient tested positive or is high risk due to age or lifestyle)	*Neisseria gonorrhoeae* RNA, TMA, Urogenital	11362
Chlamydia and gonorrhea (if patient tested positive or is high risk due to age or lifestyle)	*Chlamydia trachomatis/Neisseria gonorrhoeae* RNA, TMA, Urogenital	11363
RPR (if patient tested positive or is high risk due to age or lifestyle)	RPR (Diagnosis) with Reflex to Titer and Confirmatory Testing[f]	36126
HIV testing (if patient is high risk due to lifestyle)	HIV-1/2 Antigen and Antibodies, Fourth Generation, with Reflexes[f]	91431

[f] Reflex testing may be performed at an additional charge.

Individual panel components can be ordered separately.

For more information, contact your Quest Diagnostics sales representative or call **1.866.MYQUEST (1.866.697.8378)**

References
1. CDC. New zika and dengue testing guidance (Updated November 2019). Updated December 2, 2019. Accessed September 14, 2022. https://www.cdc.gov/zika/hc-providers/testing-guidance.html
2. CDC. STDs during pregnancy - CDC detailed fact sheet. Updated April 12, 2022. Accessed August 16, 2022. https://www.cdc.gov/std/pregnancy/stdfact-pregnancy-detailed.htm

As with any test, the tests listed above may yield false positives or negatives, and the positive predictive value of a test may be lower for rare conditions. Please contact our genetic counselors with any questions concerning your patient's genetic tests. Call 1.866.GENE.INFO (1.866.436.3463) Monday through Friday 5:30 AM to 5:00 PM PST.

Test codes may vary by location. Please contact your local laboratory for more information.

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