



Quest Advanced™

Specialized Transplant Services Reference Guide

POWERING BETTER OUTCOMES enabled by expertise and accelerated results

- Donor testing results in 24 hours and post-transplant testing in 8–12 hours from receipt of sample, supporting better patient care and management
- FedEx shipping is available for all transplant customers, expediting specimen transport to support accelerated turnaround times
- Unrivaled access to medical experts to guide test selection, results interpretation, and support patient care decisions
- **Quality assured at every step of the transplant process**, from the pre-analytic phase to the post-analytic

Use this test menu to quickly find tests and services for your diagnostic needs.

Multiple test codes are available. Refer to the Test Directory at [TestDirectory.QuestDiagnostics.com](https://www.questdiagnostics.com/testdirectory) for additional test information.

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Test code	Test name	Clinical use
Tests eligible for specialized transplant services		
Donor testing		
39949	Specialized Transplant Services, Donor ¹	Priority handling of donor specimens
Infectious disease testing for donor screening		
91986	Donor, Chagas Screen	Screen for <i>Trypanosoma cruzi</i> infection in potential donors of human blood, cells, tissues, or tissue-based products; reactive results may be sufficient to consider a donor ineligible
17385	Donor, <i>Chlamydia trachomatis</i> / <i>Neisseria gonorrhoeae</i> , RNA, TMA	Screen for <i>C trachomatis</i> and <i>N gonorrhoeae</i> RNA in potential donors of human cells, tissues, or tissue-based products; reactive results may be sufficient to consider a donor ineligible
17388	Donor, Cytomegalovirus Antibody, Total	Screen for CMV infection in potential donors of viable, leukocyte-rich cells or tissues
90557	Donor, Cytomegalovirus Antibody, Total With Reflex to (IgG, IgM)	Screen with reflex to diagnostic testing for CMV infection in potential donors of viable, leukocyte-rich cells or tissues
19618	Donor, Cytomegalovirus Total With Reflex Non-Donor CMV, IgM	
17375	Donor, Hepatitis B Surface Antigen With Reflex to Confirm	Screen and confirmation for acute or chronic HBV infection in potential donors of human blood, cells, tissues, or tissue-based products; reactive results may be sufficient to consider a donor ineligible
17378	Donor, Hepatitis B Core Total Antibody	Screen for history of HBV infection in potential donors of human blood, cells, tissues, or tissue-based products; reactive results may be sufficient to consider a donor ineligible
93305	Donor, Hepatitis C Antibody (Anti-HCV)	Screen for acute or chronic HCV infection in potential donors of human blood, cells, tissues, or tissue-based products; reactive results may be sufficient to consider a donor ineligible
19854	Donor, HIV/HSV/HCV NAT Procleix [®] With Reflexes	Screen for HIV-1, HBV, and HCV infection in potential donors of human cells, tissues, or tissue-based products
17380	Donor, HIV-1/2 Plus O Antibody Screen	Screen for HIV-1 and HIV-2 infection in potential donors of human blood, cells, tissues, or tissue-based products; reactive results may be sufficient to consider a donor ineligible
94973	Donor, HIV-1/2 Plus O Antibody Screen With Reflex to Differentiation	Screen for HIV-1 and HIV-2 infection with reflex to confirmation/differentiation
17379	Donor, HTLV-I/II Antibody Screen	Screen for human T-cell lymphotropic virus (HTLV I and II) infection in potential donors of viable, leukocyte-rich cells and tissues; reactive results may be sufficient to consider a donor ineligible
93307	Donor, IVF Female Panel Includes <i>Chlamydia trachomatis</i> / <i>Neisseria gonorrhoeae</i> RNA TMA, hepatitis B surface antigen with reflex to confirm, hepatitis B core total antibody, hepatitis C antibody, HIV-1/2 plus O antibody screen, HIV/HSV/HCV NAT Procleix [®] with reflexes, syphilis IgG antibody, and West Nile virus NAT.	Screen for <i>Chlamydia trachomatis</i> , hepatitis B and C, HIV, <i>Neisseria gonorrhoeae</i> , syphilis, and West Nile virus in potential egg donors

Test code	Test name	Clinical use
93306	Donor, IVF Male Panel Includes <i>Chlamydia trachomatis</i> / <i>Neisseria gonorrhoeae</i> RNA TMA, cytomegalovirus total antibodies, hepatitis B surface antigen with reflex to confirm, hepatitis B core total antibody, hepatitis C antibody, HIV-1/2 plus O antibody screen, HIV/HBV/HCV NAT Procleix® with reflexes, HTLV-I/II antibody screen, syphilis IgG antibody, and West Nile virus NAT.	Screen for <i>Chlamydia trachomatis</i> , cytomegalovirus (CMV), hepatitis B and C, HIV, HTLV-I/II, <i>Neisseria gonorrhoeae</i> , syphilis, and West Nile virus in potential sperm donors
93309	Donor, Stem Cells Donor Panel Includes cytomegalovirus total antibodies, hepatitis B surface antigen with reflex to confirm, hepatitis B core total antibody, hepatitis C antibody, HIV-1/2 plus O antibody screen, HIV/HBV/HCV NAT Procleix® with reflexes, HTLV-I/II antibody screen, syphilis IgG antibody, and West Nile virus NAT.	Screen for CMV, hepatitis B and C, HIV, HTLV-I/II, syphilis, and West Nile virus in potential stem cell donors
17389	Donor, Syphilis IgG Antibody	Screen for acute or chronic <i>Treponema pallidum</i> infection in potential donors of human cells, tissues, or tissue-based products; reactive results may be sufficient to consider a donor ineligible
93308	Donor, Tissue Donor Panel Includes hepatitis B surface antigen with reflex to confirm, hepatitis B core total antibody, hepatitis C antibody, HIV-1/2 plus O antibody screen, HIV/HBV/HCV NAT Procleix® with reflexes, syphilis IgG antibody, and West Nile virus NAT.	Screen for hepatitis B and C, HIV, syphilis, and West Nile virus in potential blood donors and donors of human cells, tissues and cellular and tissue-based products
19412	Donor, West Nile Virus, NAT	Screen for West Nile virus RNA in potential donors of human blood, cells, tissues, or tissue-based products

Recipient testing

39950	Specialized Transplant Services, Post-Transplant ²	Priority handling of recipient specimens
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Infectious disease testing post-transplant

18122	Post-Transplant, Adenovirus DNA, Real-Time PCR, Blood ³	
18120	Post-Transplant, Adenovirus DNA, Real-Time PCR, Plasma ³	
18124	Post-Transplant, Adenovirus DNA, Real-Time PCR, Respiratory ³	Detect adenovirus infection
18118	Post-Transplant, Adenovirus DNA, Real-Time PCR, Serum ³	
18126	Post-Transplant, Adenovirus DNA, Real-Time PCR, Urine ³	
18000	Post-Transplant, <i>Aspergillus</i> DNA, Qualitative Real-Time PCR, Blood ³	
18001	Post-Transplant, <i>Aspergillus</i> DNA, Qualitative Real-Time PCR, Respiratory ³	Detect <i>Aspergillus</i> infection
18051	Post-Transplant, BK Virus DNA, Real-Time PCR, Blood ³	
18050	Post-Transplant, BK Virus DNA, Real-Time PCR, Plasma ³	
18049	Post-Transplant, BK Virus DNA, Real-Time PCR, Serum ³	Detect BK virus infection
18052	Post-Transplant, BK Virus DNA, Real-Time PCR, Urine ³	

Test List

Test code	Test name	Clinical use
18143	Post-Transplant, Cytomegalovirus DNA, Real-Time PCR, Blood ³	Detect CMV infection
18142	Post-Transplant, Cytomegalovirus DNA, Real-Time PCR, Plasma ³	
18144	Post-Transplant, Cytomegalovirus DNA, Real-Time PCR, Respiratory ³	
18141	Post-Transplant, Cytomegalovirus DNA, Real-Time PCR, Serum ³	
18090	Post-Transplant, Epstein-Barr Virus DNA, Real-Time PCR, Blood ³	Detect active EBV infection
18089	Post-Transplant, Epstein-Barr Virus DNA, Real-Time PCR, Plasma ³	
18088	Post-Transplant, Epstein-Barr Virus DNA, Real-Time PCR, Serum ³	
18060	Post-Transplant, Hepatitis B Virus DNA, Real-Time PCR, Plasma ³	Detect HBV infection
18059	Post-Transplant, Hepatitis B Virus DNA, Real-Time PCR, Serum ³	
18104	Post-Transplant, Hepatitis C Virus RNA, Real-Time PCR, Plasma ³	Detect HCV infection
18103	Post-Transplant, Hepatitis C Virus RNA, Real-Time PCR, Serum ³	
18022	Post-Transplant, Herpesvirus 6 DNA, Real-Time PCR, Blood ³	Detect HHV-6 infection
18020	Post-Transplant, Herpesvirus 6 DNA, Real-Time PCR, Plasma ³	
18018	Post-Transplant, Herpesvirus 6 DNA, Real-Time PCR, Serum ³	
18078	Post-Transplant, Herpesvirus 7 DNA, Real-Time PCR, Blood ³	Detect HHV-7 infection
18076	Post-Transplant, Herpesvirus 7 DNA, Real-Time PCR, Plasma ³	
18074	Post-Transplant, Herpesvirus 7 DNA, Real-Time PCR, Serum ³	
18132	Post-Transplant, Herpesvirus 8 DNA, Real-Time PCR, Blood ³	Detect HHV-8 infection
18130	Post-Transplant, Herpesvirus 8 DNA, Real-Time PCR, Plasma ³	
18128	Post-Transplant, Herpesvirus 8 DNA, Real-Time PCR, Serum ³	
18003	Post-Transplant, HIV-1 RNA, Real-Time PCR, Plasma ³	Detect HIV infection

Test code	Test name	Clinical use
18011	Post-Transplant, JC Virus DNA, Real-Time PCR, CSF ³	Detect JC virus infection
18010	Post-Transplant, JC Virus DNA, Real-Time PCR, Plasma ³	
18009	Post-Transplant, JC Virus DNA, Real-Time PCR, Serum ³	
18070	Post-Transplant, Parvovirus B19 DNA, Real-Time PCR, Blood ³	Detect parvovirus B19 infection
18068	Post-Transplant, Parvovirus B19 DNA, Real-Time PCR, Plasma ³	
18066	Post-Transplant, Parvovirus B19 DNA, Real-Time PCR, Serum ³	
18005	Post-Transplant, <i>Pneumocystis jirovecii</i> , Real-Time PCR, Respiratory ³	Detect <i>Pneumocystis jirovecii</i> infection
18110	Post-Transplant, <i>Toxoplasma gondii</i> DNA, Real-Time PCR, CSF ³	Detect <i>T gondii</i> infection
18109	Post-Transplant, <i>Toxoplasma gondii</i> DNA, Real-Time PCR, Plasma ³	
18108	Post-Transplant, <i>Toxoplasma gondii</i> DNA, Real-Time PCR, Serum ³	
18146	Post-Transplant, Varicella-Zoster Virus DNA, Real-Time PCR, Blood ³	Detect VZV infection
18148	Post-Transplant, Varicella-Zoster Virus DNA, Real-Time PCR, CSF ³	

Other tests useful for management of transplant donors and recipients

Donor and recipient testing

HLA Typing

92157	HLA A, B, C, Class I Typing, Intermediate Resolution ⁴	Match donors and recipients for bone marrow and solid organ transplantation
92076	HLA-A, B, C, DRB1 and DQ High Resolution ⁵	
92078	HLA-A, B, C High Resolution	
15484	HLA A, B, C Low Resolution ⁴	
92158	HLA-A, B, Intermediate Resolution ⁶	
15757	HLA A, B Low Resolution ⁴	
92044	HLA A 02:01 Determination ⁴	
10951	HLA A Low Resolution ⁴	
17397	HLA A Typing, High Resolution ⁴	
92746	HLA-B*15:02 Determination with Reflex to HLA-B High Resolution ⁶	
10950	HLA B Low Resolution ⁴	
17396	HLA B Typing, High Resolution ⁴	
17395	HLA C High Resolution ⁴	
15463	HLA C Low Resolution ⁴	
95730	HLA DPB1 Typing, High Resolution ⁴	

Test List

Test code	Test name	Clinical use	
19525	HLA DQA1 Low Resolution ⁴		
10953	HLA DQB1 Low Resolution ⁴		
17394	HLA DQB1 Typing, High Resolution ⁴		
92159	HLA-DRB1, DQB1, Intermediate Resolution ⁶		
15485	HLA DRB1, DQB1 Low Resolution ⁴		
97112	HLA DRB1,3,4,5, DQB1, Low Resolution ⁴	Match donors and recipients for bone marrow and solid organ transplantation	
10952	HLA DRB1 Low Resolution ⁴		
19526	HLA DRB3,4,5 Low Resolution ⁴		
17393	HLA DRB1 Typing, High Resolution ⁴		
95732	HLA DRB3,4,5 Typing, High Resolution ⁴		
92160	HLA DRB1 Typing, Intermediate Resolution ⁴		
92161	HLA DRB3,4,5 Typing, Intermediate Resolution ⁴		
HLA antibody screening and identification			
95731	HLA Antibody Identification, Class I ⁴		Match donors and recipients for solid organ transplantation
97111	HLA Antibody Identification, Class II ⁴		
95735	HLA Antibody Screen, Class I ⁴		
95736	HLA Antibody Screen, Class II ⁴		
Recipient testing: pre-transplant			
Infectious disease testing			
403	Cytomegalovirus Antibody (IgG)	Detect past or current CMV infection; assess susceptibility to reactivation	
8564	Epstein-Barr Virus Nuclear Antigen (EBNA) Antibody (IgG)	Assess risk of posttransplant lymphoproliferative disorder in transplant recipient	
8474	Epstein-Barr Virus Viral Capsid Antigen (VCA) Antibody (IgG)		
8426	Epstein-Barr Virus Viral Capsid Antigen (VCA) Antibody (IgM)		
6421	Epstein-Barr Virus Antibody Panel Includes EBV capsid IgG and IgM antibodies, and EBNA IgG antibody.		
91838	Epstein-Barr Virus Antibody Panel Comprehensive Includes EBV early antigen D IgG, EBV capsid IgG and IgM, and EBNA IgG antibody.		
15447	Epstein-Barr Virus Early Antigen D Antibody (IgG)	Detect early EBV infection; assess risk of posttransplant lymphoproliferative disorder in transplant recipient	
501	Hepatitis B Core Antibody, Total	Detect current or prior HBV infection	
37676	Hepatitis B Core Antibody, Total With Reflex to IgM		
8475	Hepatitis B Surface Antibody Immunity, Quantitative	Determine HBV immune status	
498	Hepatitis B Surface Antigen With Reflex Confirmation	Detect acute or chronic HBV infection	
94345	Hepatitis C Antibody With Reflex to HCV RNA, PCR With Reflex to Genotype, LiPA	Detect acute or chronic HCV infection	
8472	Hepatitis C Antibody With Reflex to HCV RNA, Quantitative Real-Time PCR		

Test code	Test name	Clinical use
4990	Hepatitis D Virus (HDV) Antibody, Total ³	Detect acute or chronic HDV infection in patients with HBV infection
34469	Hepatitis D Virus RNA, Qualitative Real-Time PCR ³	
6447	Herpes Simplex Virus 1 and 2 (IgG), Type-Specific Antibodies	Detect herpes simplex virus type 1 and 2 infection
37959(X)	Herpesvirus 8 IgG Antibody, IFA ³	Detect past or current herpesvirus 8 infection
91431	HIV-1/2 Antigen and Antibodies, Fourth Generation, With Reflexes Includes HIV-1/2 antigen and antibody with reflex to HIV-1/2 antibody differentiation; if differentiation test is indeterminate or negative, reflex to HIV-1 RNA.	Detect HIV-1 and HIV-2 infection
36970	QuantiFERON®-TB Gold Plus, 1 Tube	Detect <i>Mycobacterium tuberculosis</i> -complex infection (tuberculosis disease or latent tuberculosis infection)
36971	QuantiFERON®-TB Gold Plus, 4 Tubes, Draw Site Incubated	
37737	T-SPOT®.TB	
8636	<i>Toxoplasma</i> Antibodies (IgG, IgM)	Detect past or current <i>T gondii</i> infection, especially in heart transplant donors and recipients
4439	Varicella-Zoster Virus Antibody (IgG)	Detect past or current VZV infection; assess susceptibility to reactivation
30509	VDRL, Serum	Detect nontreponemal antibodies associated with <i>T pallidum</i> infection and assess treatment response
4112	FTA-ABS	Detect <i>T pallidum</i> infection
653	<i>Treponema pallidum</i> Antibody, Particle Agglutination	
Recipient testing: transplant assessment and early follow-up		
4944	Beta-2-Microglobulin, Random Urine	Evaluate transplant viability and anticipate rejection
38994	Beta-2-Microglobulin, Random Urine With Creatinine	
852	Beta-2-Microglobulin, Serum	
14619	FISH, X/Y, Post Opposite Sex Bone Marrow Transplant ³	Monitor progression of bone marrow cell engraftment when bone marrow is from a donor of the opposite sex
15435(X)	Immune Cell Function	Monitor cell-mediated immune response to optimize immunosuppressant therapy
34298	Interleukin-2 Receptor Alpha Chain (IL-2Ra/CD25), Soluble ⁷	Assess possibility of acute transplant rejection
34473	Interleukin-6 (IL-6), Serum ⁷	Assess possibility of transplant-related complications after hematopoietic stem cell transplantation (SCT)
93917	Neopterin, Serum ⁸	Monitor cell-mediated immunity
Recipient testing: post-transplant		
Infectious disease testing		
90376	<i>Aspergillus</i> Antigen, EIA, BAL	Detect <i>Aspergillus</i> infection
14950	<i>Aspergillus</i> Antigen, EIA, Serum	
34118(X)	Bacterial Identification, Aerobic	Identify aerobic bacteria causing infection
14673(X)	Bacterial Identification and Susceptibility, Aerobic	Identify aerobic bacteria causing infection and guide antibiotic therapy

Test List

Test code	Test name	Clinical use
17221	Bacterial 16s rDNA Sequencing ³	Supplement conventional techniques for identification of atypical or difficult-to-identify bacterial pathogens
19963	<i>Coccidioides</i> Antibodies (IgG, IgM), Immunodiffusion	
40299	<i>Coccidioides</i> Antibodies (IgG, IgM), Immunodiffusion With Reflex to Complement Fixation	
90799	<i>Coccidioides</i> Antibody (IgM), Immunodiffusion	Detect past or current <i>Coccidioides</i> infection
906	<i>Coccidioides</i> Antibody, Complement Fixation, Serum ³	
90858	<i>Coccidioides</i> Serology Panel, Serum ³ Includes CF titer, IgG ID (F antigen), and IgM ID (TP antigen).	
11196	Cryptococcal Antigen, Latex Screen With Reflex to Titer	Detect current cryptococcal infection and monitor therapy
30429	<i>Cryptococcus</i> Antibody	
30430	<i>Cryptococcus</i> Antibody, IFA, CSF ³	Detect past or current cryptococcal infection
4606	Culture, Fungus, Blood Identification performed at additional charge and is associated with an additional CPT code.	Detect and identify systemic or localized fungal infection
37960(X)	Culture, Fungus, Miscellaneous Source Includes identification of predominant organism. Each additional identification, and reflex to DNA probe assays for dimorphic molds, performed at additional charge.	Identify organism causing fungal infection
16283	Fungitell® (1-3)-β-D-Glucan	Detect invasive fungal infection (does not detect some fungi that produce very low levels of (1-3)-β-D-glucan)
36327	Fungitell® (1-3)-β-D-Glucan Assay, Endpoint	
34469	Hepatitis D Virus RNA, Qualitative Real-Time PCR ³	Detect HDV infection in patients with HBV infection
37889	Hepatitis D Virus RNA, Quantitative Real-Time PCR ³	Detect HDV infection in patients with HBV infection and monitor therapy
34257	Herpes Simplex Virus, Type 1 and 2 DNA, Qualitative Real Time PCR ³	Detect HSV infection
19502	Herpes Simplex Virus, Type 1 and 2 DNA, Quantitative, Real-Time PCR ³	Detect HDV infection and monitor therapy
90249	<i>Histoplasma capsulatum</i> DNA, Real-Time PCR ³	Identify <i>H capsulatum</i> from culture isolate
91212	<i>Histoplasma</i> Galactomannan Antigen, Urine ²	Detect <i>H capsulatum</i> infection
16086	Influenza A and B RNA, Qualitative Real-Time PCR ³	Detect influenza A or B infection
15062(X)	<i>Legionella</i> DNA, Qualitative Real-Time PCR ³	Detect infection with <i>L pneumophila</i> or <i>Legionella</i> species
871(X)	<i>Mycoplasma hominis/Ureaplasma</i> Culture	Detect <i>Mycoplasma/Ureaplasma</i> infection
15498(X)	<i>Mycoplasma pneumoniae</i> DNA, Qualitative Real-Time PCR ³	Detect <i>Mycoplasma pneumoniae</i> infection
91228	Parainfluenza Virus (Types 1 to 4) RNA, Qualitative Real-Time PCR ³	Detect parainfluenza virus 1, 2, 3, or 4
16047	Respiratory Syncytial Virus (RSV) RNA, Qualitative Real-Time PCR ³	Detect RSV infection

Test code	Test name	Clinical use
37444	Respiratory Pathogen Panel Includes nucleic acid detection from adenovirus, coronavirus (229E, OC43, NL63, and HKU1), <i>Chlamydomphila pneumoniae</i> , human bocavirus, human metapneumovirus, human respiratory syncytial alpha and beta viruses, human parainfluenza viruses (1, 2, 3, and 4), influenza A (and subtype H1 and H3) virus, influenza B virus, <i>Mycoplasma pneumoniae</i> , and rhinovirus/enterovirus.	Differential diagnosis of respiratory infections caused by adenovirus, bocavirus, <i>Chlamydomphila pneumoniae</i> , coronavirus, influenza virus A and B, metapneumovirus, parainfluenza virus (types 1, 2, 3, and 4), syncytial alpha and beta viruses, <i>Mycoplasma pneumoniae</i> , or rhinovirus/enterovirus
Therapeutic drug monitoring		
<i>Immunosuppressive therapy</i>		
10720	Cyclosporine A Panel (Trough, 1 Hour, 2 Hour Post)	Monitor immunosuppressive therapy to optimize dose, avoid toxicity, and help assure adherence to a treatment regimen
10719	Cyclosporine A Peak (2 Hour), Blood	
8812	Cyclosporine A, Trough, Blood	
15220	Cyclosporine A Trough, LC/MS/MS, Blood ³	
18883	Everolimus, Blood ³	
10662	Mycophenolic Acid, LC/MS/MS ³ Includes mycophenolic acid (MPA) and MPA glucuronide.	
36712	Sirolimus, LC/MS/MS ³	
70007	Tacrolimus, Highly Sensitive, LC/MS/MS ³	
91745	Thiopurine Metabolites ³	
<i>Antifungal therapy</i>		
94092	Itraconazole ³	Monitor drug levels when unexpected toxicity is encountered; optimize dosage when drug interactions are suspected
94010	Posaconazole ³	
94096	Voriconazole ³	
94692	Voriconazole, CSF ³	

BAL, bronchoalveolar lavage; CMV, cytomegalovirus; CSF, cerebrospinal fluid; EBV, Epstein-Barr virus; EIA, enzyme immunoassay; FISH, fluorescence in situ hybridization; FTA-ABS, fluorescent treponemal antibody absorption test; HBV, hepatitis B virus; HCV, hepatitis C virus; HDV, hepatitis D virus; HHV, human herpesvirus; HIV, human immunodeficiency virus; HLA, human leukocyte antigen; HTLV, human T-lymphotropic virus; IFA, immunofluorescence assay; IVF, in vitro fertilization; LC/MS/MS, liquid chromatography with tandem mass spectrometry; LiPA, line probe assay; NAT, nucleic acid test; PCR, polymerase chain reaction; TB, tuberculosis; TMA, transcription-mediated amplification; VDRL, venereal disease research laboratory test; VZV, varicella-zoster virus.

¹ Specialized transplant services include collection and shipping kits provided to the customer, direct shipping via FedEx, donor-specific requisitions, and rapid turnaround (24 hours from receipt of sample). Test code 39949 designates special handling for these services; it is a single-use test code that may be applied to 1 or more tests in this section.

² Specialized transplant services include collection and shipping kits provided to the customer, direct shipping via FedEx, post-transplant-specific requisitions, and rapid turnaround (8-12 hours from laboratory receipt of sample). Test code 39950 designates special handling for these services; it is a single-use test code that may be applied to 1 or more tests in this section.

³ This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. It has not been cleared or approved by FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

⁴ This test was developed and its performance characteristics determined by this laboratory. It has not been cleared or approved by the US Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary. This test is used for clinical purposes. It should not be regarded as investigational or for research. This laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA-88) as qualified to perform high complexity clinical laboratory testing.

⁵ This test was developed and its performance characteristics determined by Versiti Wisconsin, Inc. It has not been cleared or approved by the US Food and Drug Administration. This test is used for clinical purposes. It should not be regarded as investigational or for research. This laboratory is certified under the Clinical Laboratory Improvement Amendments (CLIA) as qualified to perform high complexity clinical laboratory testing.

⁶ These tests were developed and their performance characteristics were determined by Versiti Wisconsin, Inc. They have not been cleared by the FDA. However, this approval is not required.

⁷ This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics. This test should not be used for diagnosis without confirmation by other medically established means.

⁸ This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Laboratory Corporation of America (LabCorp). This test should not be used for diagnosis without confirmation by other medically established means.

Reflex tests are performed at an additional charge and are associated with an additional CPT code.

Panel components may be ordered separately.

Multiple test codes may be used for a test. Please refer to your local business unit or the online Test Directory (TestDirectory.QuestDiagnostics.com).