

NEW TESTS			
Please Note: Not all test codes assigned to each assay are listed in the table of contents. Please refer to the complete listing on the page numbers indicated.			
Test Code	Test Name	Effective Date	Page #
91919	OncoVantage™	3/24/2014	3
91995	Colorectal Cancer, KRAS Mutation, Therascreen®	4/21/2014	8
91664	<i>Clostridium difficile</i> Toxin/GDH with reflex to PCR	5/5/2014	9
91971	Amoxicillin, HPLC	5/5/2014	10
34882	Fluconazole, HPLC	5/5/2014	11
91970	Doxycycline, HPLC	5/5/2014	11
34973	Itraconazole, HPLC	5/5/2014	12
16480	Posaconazole, HPLC	5/5/2014	13
19574	Voriconazole, HPLC	5/5/2014	14
17180	17-Hydroxyprogesterone, LC/MS/MS	5/12/2014	15
568	Intrinsic Factor Blocking Antibody	5/12/2014	16
8593	Lyme Disease Antibodies (IgG, IgM) Immunoblot	5/12/2014	16
6646	Lyme Disease Antibody with Reflex to Blot (IgG, IgM)	5/12/2014	18
36598	T3, Free, Tracer Dialysis	5/12/2014	19
35167	T4, Free, Direct Dialysis	5/12/2014	20
91998	Tamoxifen and Metabolites, LC-MS/MS	5/12/2014	21
14532	ADAMTS13 Activity with Reflex to Inhibitor	5/19/2014	22
91121	Febrile Antibodies Panel	5/19/2014	23

TEST CHANGES				
Please Note: Not all test codes assigned to each assay are listed in the table of contents. Please refer to the complete listing on the page numbers indicated.				
Test Code	Former Test Code	Test Name	Effective Date	Page #
91920		Diabetes Risk Panel without Score	5/5/2014	24
1208		Jo-1 IgG Autoantibodies	5/5/2014	24
3943		PTH, Intact and Calcium	5/5/2014	24
S51345		21-Hydroxylase Antibody	5/12/2014	25
A50927		<i>Rickettsia Conorii</i> Antibody Panel, IFA	5/12/2014	25
34966	2428	<i>Bordetella pertussis/parapertussis</i> Smear, DFA	5/19/2014	25
5260	2416	<i>Bordetella pertussis/parapertussis</i> , Culture	5/19/2014	26
592	S50739	Creatine, 24-Hour Urine	5/19/2014	27
347		Factor VIII Activity, Clotting	5/19/2014	28
37811		Hepatitis C Viral RNA Genotype, LiPA	5/19/2014	28

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16838	S52240	Histamine Release (Chronic Urticaria)	5/19/2014	29
19865	S52084	HPV Genotypes 16 and 18	5/19/2014	29
17171		HSV-2 Inhibition Study, ELISA	5/19/2014	29
688	2404	Legionella Culture	5/19/2014	30
37357	S52108	Legionella Culture, Environmental	5/19/2014	31
34475	2422	Legionella pneumophila Antigen, DFA	5/19/2014	31
871	2408	Mycoplasma hominis/Ureaplasma Culture	5/19/2014	32
34270	2406	<i>Mycoplasma pneumoniae</i> Culture	5/19/2014	33
10269		Protein Electrophoresis, Serum with Total Protein and Reflex to IFE, Serum	5/19/2014	34
16560	S52057	PTH, Intact, Fine Needle Aspirate	5/19/2014	35

DISCONTINUED TESTS

**Please Note: Not all test codes assigned to each assay are listed in the table of contents.
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Test Code	Test Name	Effective Date	Page #
7670	<i>Clostridium difficile</i> Toxin A and B, EIA	5/5/2014	35
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S43490	Doxycycline Level, BA	5/5/2014	36
38226 [1440]	Fetal Fibronectin	5/5/2014	36
1146P	Humoral Immune Evaluation (Pneumo 14) & H. Flu B, Pre/Post	5/5/2014	36
1143P	Humoral Immune Evaluation (Pneumo 14) Pre/Post	5/5/2014	36
1088P	Humoral Immune Evaluation (Pneumo 23) & H. Flu B, Pre/Post	5/5/2014	36
1049P	Humoral Immune Evaluation (Pneumo 23) Pre/Post	5/5/2014	36
1087P	Humoral Immune Evaluation (Pneumo 7) & H. Flu B, Pre/Post	5/5/2014	36
1148P	Humoral Immune Status (Pneumo 14), Pre/Post	5/5/2014	36
1147P	Humoral Immune Status Survey (Pneumo 7), Pre/Post	5/5/2014	37
1047P	Humoral Immune Evaluation (Pneumo 7), Pre/Post	5/5/2014	37
1149P	Humoral Immune Status Survey (Pneumo 23), Pre/Post	5/5/2014	37
S51356	Substance P, EIA	5/5/2014	37
8941	<i>Borrelia burgdorferi</i> IgG & IgM Antibodies [EIA]	5/12/2014	37
7716	<i>Borrelia burgdorferi</i> IgG & IgM Antibodies EIA & Immunoblot	5/12/2014	37
8942	<i>Borrelia burgdorferi</i> IgG & IgM Abs w/reflex to Immunoblot + Bands [CDC]	5/12/2014	37
8951	<i>Borrelia burgdorferi</i> IgG Antibodies	5/12/2014	38
8947NY	<i>Borrelia burgdorferi</i> IgG Antibody with Reflex to IB + Bands [NY]	5/12/2014	38
8961	<i>Borrelia burgdorferi</i> IgM Antibodies	5/12/2014	38
8948NY	<i>Borrelia burgdorferi</i> IgM Antibody with Reflex IB + Bands [NY]	5/12/2014	38
3190	Hydroxyprogesterone, 17 Alpha	5/12/2014	38

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3196	Intrinsic Factor Blocking Autoantibodies	5/12/2014	38
90523 [4168]	Kidney Stone Risk AssessR™	5/12/2014	39
3954	Thyroxine Free, Direct Dialysis	5/12/2014	39
3225	Triiodothyronine Free, Dialysis	5/12/2014	39
2430	<i>Bordetella pertussis</i> Culture and DFA	5/19/2014	39
2271	Epstein-Barr Virus Nuclear AG (EBNA) IgM ABS	5/19/2014	39
S50359	Febrile Agglutinins Panel	5/19/2014	39
2432	<i>Legionella</i> Culture and Antigen Detection, DFA	5/19/2014	39

SEND OUTS				
Please Note: Not all test codes assigned to each assay are listed in the table of contents. Please refer to the complete listing on the page numbers indicated.				
Test Code	Former Test Code	Test Name	Effective Date	Page #
30333	S48484	Tiagabine, Serum/Plasma	5/5/2014	40
8331X	S49212	Titanium, Serum/Plasma	5/5/2014	40
S50352		ADAMTS13 Activity	5/19/2014	40
61716		Neuromyelitis Optica (NMO)/Aquaporin-4-IgG Cell-Binding Assay, CSF	5/19/2014	41
S51106		Neuromyelitis Optica IgG, CSF	5/19/2014	41

New Test Offerings

The following tests will be available through Quest Diagnostics on the dates indicated below.

OncoVantage™	
Clinical Significance	This multiplex panel will allow physicians to choose the most appropriate therapy for their patients based on the alterations found in the individual's tumor sample DNA. Guidelines exist for using results from many of these genes for selection of FDA approved therapies. By testing for other genes the physician can become aware of alternative treatments available to the patient based on presence of mutations in other genes the physicians might not have considered. Additional genes indicate prognosis of those patients with mutations, thus allowing physicians and patients to choose more or less aggressive therapies. Finally, mutations found in additional genes will qualify patients for ongoing or planned clinical trials.
Effective Date	3/24/2014
Test Code	91919
CPT Codes	81210, 81235, 81275, 81321, 81403 (x5), 81404 (x5), 81405 (x2), 81479
Specimen Requirements	Preferred: Formalin fixed, paraffin embedded tissue block Acceptable: 7 mL (2 mL minimum) whole blood collected in an EDTA (lavender-top) tube 2 mL (0.5 mL minimum) bone marrow collected in an EDTA (lavender-top) tube 20 uL (10 uL minimum) Extracted DNA collected in a sterile, plastic microcentrifuge tube Cell pellet
Reject Criteria	Baked slides; received frozen
Instructions	For submission of paraffin block, tumor tissue type and block ID are required on the requisition form. A pathology report must be submitted.

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	<p>For whole blood, EDTA specimens, sample type, collection time and date should be entered on tube and requisition form. Ship immediately to maintain sample stability.</p>			
Transport Temperature	Room temperature			
Specimen Stability	Formalin fixed, paraffin embedded tissue block	Room temperature and Refrigerated: Indefinite Frozen: Unacceptable		
	Whole blood and bone marrow	Room temperature: 7 days Refrigerated: 14 days Frozen: Unacceptable		
	Extracted DNA	Room temperature: 14 days Refrigerated: 90 days Frozen: Indefinite		
	Cell pellet	Room temperature and Refrigerated: 30 days Frozen: Unacceptable		
Set-up/Analytic Time	Set up: Fri; Report available: 2 weeks after set up			
Reference Range	Accompanies report			
Always Message	This test was developed and its performance characteristics have been determined by Quest Diagnostics Nichols Institute, San Juan Capistrano. Performance characteristics refer to the analytical performance of the test.			
Methodology	Next Generation Sequencing/Ion Torrent Personal Genome Machine			
Performing Site	Quest Diagnostics Nichols Institute, San Juan Capistrano			
CPU Mappings	OncoVantage(TM) 1			
	Result Code	Type	Result Name	
	86010176	Prompt-Result	Tumor Tissue Type:	
	86007476	Prompt-Result	Block ID:	
	85997341	Prompt-Result	Diagnosis:	
	86010649	Prompt-Result	Source:	
	86010178	Prompt-Result	Stage at Presentation:	
	86010179	Prompt-Result	Grade:	
	86010236		Overall Interpretation	
	86010180		Gene Name #1	
	86010181		Mutation #1	
	86010182		Alteration Type #1	
	86010183		Mutation Frequency #1	% Frequency
	86010184		Tumor Type Drugs #1	
	86010185		Non-Tumor Type Drugs #1	
	86010186		Clinical Trials #1	
	OncoVantage(TM) 2			
	Result Code	Result Name		Unit of Measure

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86010187	Gene Name #2	
86010188	Mutation #2	
86010189	Alteration Type #2	
86010190	Mutation Frequency #2	% Frequency
86010191	Tumor Type Drugs #2	
86010192	Non-Tumor Type Drugs #2	
86010193	Clinical Trials #2	
OncoVantage(TM) 3		
Result Code	Result Name	Unit of Measure
86010194	Gene Name #3	
86010195	Mutation #3	
86010196	Alteration Type #3	
86010197	Mutation Frequency #3	% Frequency
86010198	Tumor Type Drugs #3	
86010199	Non-Tumor Type Drugs #3	
86010200	Clinical Trials #3	
OncoVantage(TM) 4		
Result Code	Result Name	Unit of Measure
86010201	Gene Name #4	
86010202	Mutation #4	
86010203	Alteration Type #4	
86010204	Mutation Frequency #4	% Frequency
86010205	Tumor Type Drugs #4	
86010206	Non-Tumor Type Drugs #4	
86010207	Clinical Trials #4	
OncoVantage(TM) 5		
Result Code	Result Name	Unit of Measure
86010208	Gene Name #5	
86010209	Mutation #5	
86010210	Alteration Type #5	
86010211	Mutation Frequency #5	% Frequency
86010212	Tumor Type Drugs #5	
86010213	Non-Tumor Type Drugs #5	
86010214	Clinical Trials #5	
OncoVantage(TM) 6		
Result Code	Result Name	Unit of Measure

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86010215	Gene Name #6	
86010216	Mutation #6	
86010217	Alteration Type #6	
86010218	Mutation Frequency #6	% Frequency
86010219	Tumor Type Drugs #6	
86010220	Non-Tumor Type Drugs #6	
86010221	Clinical Trials #6	
OncoVantage(TM) 7		
Result Code	Result Name	Unit of Measure
86010222	Gene Name #7	
86010223	Mutation #7	
86010224	Alteration Type #7	
86010225	Mutation Frequency #7	% Frequency
86010226	Tumor Type Drugs #7	
86010227	Non-Tumor Type Drugs #7	
86010228	Clinical Trials #7	
OncoVantage(TM) 8		
Result Code	Result Name	Unit of Measure
86010229	Gene Name #8	
86010230	Mutation #8	
86010231	Alteration Type #8	
86010232	Mutation Frequency #8	% Frequency
86010233	Tumor Type Drugs #8	
86010234	Non-Tumor Type Drugs #8	
86010235	Clinical Trials #8	
Interacting Mutations		
Result Code	Result Name	
86010237	Interacting Mutations	
86010238	Additional Mutations	
Clinical Impact 1		
Result Code	Result name	
86010242	Gene Function #1	
86010243	Mutation Effect on Gene #1	
86010244	FDA Tumor Drugs #1	
86010336	FDA Non-Tumor Drugs #1	
86010245	Clinical Trials #1	

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86010246	Companion Diagnostics #1
Clinical Impact 2	
Result Code	Result Name
86010247	Gene Function #2
86010248	Mutation Effect on Gene #2
86010249	FDA Tumor Drugs #2
86010337	FDA Non-Tumor Drugs #2
86010250	Clinical Trials #2
86010251	Companion Diagnostics #2
Clinical Impact 3	
Result Code	Result Name
86010252	Gene Function #3
86010253	Mutation Effect on Gene #3
86010254	FDA Tumor Drugs #3
86010338	FDA Non-Tumor Drugs #3
86010255	Clinical Trials #3
86010256	Companion Diagnostics #3
Clinical Impact 4	
Result Code	Result Name
86010257	Gene Function #4
86010258	Mutation Effect on Gene #4
86010259	FDA Tumor Drugs #4
86010339	FDA Non-Tumor Drugs #4
86010260	Clinical Trials #4
86010261	Companion Diagnostics #4
Clinical Impact 5	
Result Code	Result Name
86010262	Gene Function #5
86010263	Mutation Effect on Gene #5
86010264	FDA Tumor Drugs #5
86010340	FDA Non-Tumor Drugs #5
86010265	Clinical Trials #5
86010266	Companion Diagnostics #5
Clinical Impact 6	
Result Code	Result Name
86010267	Gene Function #6

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86010268	Mutation Effect on Gene #6
86010269	FDA Tumor Drugs #6
86010341	FDA Non-Tumor Drugs #6
86010270	Clinical Trials #6
86010271	Companion Diagnostics #6
Clinical Impact 7	
Result Code	Result Name
86010272	Gene Function #7
86010273	Mutation Effect on Gene #7
86010274	FDA Tumor Drugs #7
86010342	FDA Non-Tumor Drugs #7
86010275	Clinical Trials #7
86010276	Companion Diagnostics #7
Clinical Impact 8	
Result Code	Result Name
86010277	Gene Function #8
86010278	Mutation Effect on Gene #8
86010279	FDA Tumor Drugs #8
86010343	FDA Non-Tumor Drugs #8
86010280	Clinical Trials #8
86010281	Companion Diagnostics #8
Gene Regions Passing QC	
Result Code	Result Name
86010241	Gene Regions Passing QC
86010240	Always Statement
86010239	Publications

Colorectal Cancer, KRAS Mutation, Therascreen®	
Clinical Significance	The Therascreen® KRAS RGQ PCR kit is intended to aid in the identification of colorectal cancer patients for treatment with Erbitux® (cetuximab) based on a KRAS "No mutation detected" test result.
Effective Date	4/21/2014
Test Code	91995
CPT Codes	81275
Specimen Requirements	Formalin fixed, paraffin embedded tissue block
Instructions	Regular procedure for paraffin-embedded tissue block preparation. If frozen tissue block is received, call 1(800) 642-4657 ext. 2906.

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Transport Temperature	Room temperature							
Specimen Stability	Room temperature and Refrigerated: Indefinite Frozen: Unacceptable							
Set-up/Analytic Time	Set up: Tues; Report available: 4-11 days							
Reference Range	<table border="1"> <tr> <td>KRAS Mutation Status</td> <td>No mutation detected</td> </tr> <tr> <td>KRAS Mutation ID</td> <td>No reference range</td> </tr> </table>		KRAS Mutation Status	No mutation detected	KRAS Mutation ID	No reference range		
KRAS Mutation Status	No mutation detected							
KRAS Mutation ID	No reference range							
Always Message	The Therascreen® KRAS RGQ PCR test is a FDA approved companion diagnostic for the detection of the following seven somatic mutations: G12A, G12D, G12R, G12C, G12S, G12V, G13D in the human KRAS oncogene.							
Methodology	Real time PCR-Qiagen Rotor Gene Q MDx							
Performing Site	Quest Diagnostics Nichols Institute, San Juan Capistrano							
CPU Mappings	<table border="1"> <thead> <tr> <th>Result Code</th> <th>Result Name</th> </tr> </thead> <tbody> <tr> <td>86010457</td> <td>KRAS Mutation Status</td> </tr> <tr> <td>86010564</td> <td>KRAS Mutation ID</td> </tr> </tbody> </table>		Result Code	Result Name	86010457	KRAS Mutation Status	86010564	KRAS Mutation ID
Result Code	Result Name							
86010457	KRAS Mutation Status							
86010564	KRAS Mutation ID							

<i>Clostridium difficile</i> Toxin/GDH with reflex to PCR	
Clinical Significance	After treatment with antibiotics, many patients develop gastrointestinal problems ranging from mild diarrhea to severe pseudomembranous colitis. This organism is an opportunistic anaerobic bacterium that grows in the intestine once the normal flora has been altered by the antibiotic. For diagnosis of toxigenic <i>C. difficile</i> , current practice guidelines from the CDC recommend confirmation by Nucleic Acid Amplification Testing (NAAT) if the glutamate dehydrogenase of <i>C. difficile</i> (GDH) Antigen is positive, and toxin is not detected by Enzyme immunoassay. Additionally, if toxin is detected without the presence of GDH antigen, confirmation by NAAT is also recommended.
Effective Date	5/5/2014
Test Code	91664
CPT Codes	87449, 87324
Specimen Requirements	5 grams or 5 mL (1 gram or 1 mL minimum) unformed stool
Reject Criteria	Formed stool; stool submitted in transport media or swab; rectal swab; unfrozen stool greater than 72 hours old; received room temperature
Instructions	Collect fresh stool in sterile, leak-proof container without media, preservative, or metal ion. For patients requiring the use of diapers, first line the diaper with clean plastic to prevent absorption. Then transfer 5 grams or 5 mL of the stool specimen from the plastic lined diaper to the sterile container. Do not submit the diaper itself. Cap securely. Do not use any preservative, media or additive.
Transport Temperature	Frozen
Specimen Stability	Room temperature: Unacceptable Refrigerated: 72 hours Frozen: 30 days
Set-up/Analytic Time	Set up: Daily; Report available: 1-2 days
Reference Range	Not detected
Always Message	Direct PCR is for use only with liquid or non-formed stools. The clinical significance of toxin positive <i>C. difficile</i> in a non-symptomatic individual is not established.

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	Methodology: BD GeneOhm(TM) C. difficile Toxin B Gene (tcdB) Real-time PCR Qualitative Assay.														
Methodology	Immunoassay														
Performing Site	Quest Diagnostics Nichols Institute, Valencia														
CPU Mappings	<table border="1"> <tr> <td colspan="2">GDH Antigen, Toxin A and B</td> </tr> <tr> <td>Result Code</td> <td>Result Name</td> </tr> <tr> <td>86009745</td> <td>GDH Antigen</td> </tr> <tr> <td>86009746</td> <td>Toxin A and B</td> </tr> <tr> <td colspan="2">This is a true reflex. Please build the unit code below separately Non-orderable Reflex: RRL Clostridium difficile Toxin B, Qualitative Real-time PCR</td> </tr> <tr> <td>Result Code</td> <td>Result Name</td> </tr> <tr> <td>86006267</td> <td>C difficile, QL PCR</td> </tr> </table>	GDH Antigen, Toxin A and B		Result Code	Result Name	86009745	GDH Antigen	86009746	Toxin A and B	This is a true reflex. Please build the unit code below separately Non-orderable Reflex: RRL Clostridium difficile Toxin B, Qualitative Real-time PCR		Result Code	Result Name	86006267	C difficile, QL PCR
GDH Antigen, Toxin A and B															
Result Code	Result Name														
86009745	GDH Antigen														
86009746	Toxin A and B														
This is a true reflex. Please build the unit code below separately Non-orderable Reflex: RRL Clostridium difficile Toxin B, Qualitative Real-time PCR															
Result Code	Result Name														
86006267	C difficile, QL PCR														
Additional Information	<p>If the GDH Antigen is detected and the Toxin A and B are not detected or the GDH Antigen is not detected and the Toxin A and B are detected, RRL- <i>Clostridium difficile</i> Toxin B, Qualitative Real Time PCR will be performed at an additional charge. (CPT code(s): 87493)</p> <p>New recommendations per the American Society for Microbiology recommend that screening assays for <i>C. difficile</i> toxin be combined with GDH antigen, with discordant results being confirmed by Nucleic Acid Amplification testing.</p>														

Amoxicillin, HPLC	
Clinical Significance	The concentration of antimicrobial agents in body fluids, most notably serum or plasma, are used to regulate therapy to ensure effective dosing (especially with oral agents where GI absorption is in question), to monitor accumulation to help minimize toxicity, and to help evaluate the pharmacokinetics of new agents. Both peak and trough levels obtained immediately after dosing or immediately prior to new dosing, respectively, may be monitored.
Effective Date	5/5/2014
Test Code	91971
CPT Codes	80299
Specimen Requirements	1 mL (0.5 mL minimum) serum collected in a red-top tube (no gel)
Reject Criteria	Serum separator tubes; other body fluids; other specimen types
Instructions	Specimens collected just before or within 15 minutes of the next antibiotic dose represent the trough level. Specimens obtained within 15-30 minutes after the end of IV infusion, or 45-60 minutes after an IM injection, or 90 minutes after oral intake represent the peak level.
Transport Temperature	Refrigerated
Specimen Stability	Room temperature: 72 hours Refrigerated and Frozen: 14 days
Set-up/Analytic Time	Set up: Wed, Sat; Report available: 1-5 days
Reference Range	<0.1 mcg/mL
Always Message	<p>Average peak levels (1-2 hours post oral dosing)</p> <p>250 mg: 3.5-5.5 mcg/mL 400 mg: 5.9 mcg/mL 500 mg: 5.5-7.5 mcg/mL</p> <p>This assay tests amoxicillin alone since concentrations are equivalent for amoxicillin alone or amoxicillin clavulanate levels. This assay does not detect clavulanate levels.</p>

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	This test was developed and its performance characteristics have been determined by Quest Diagnostics Nichols Institute, Valencia, CA. Performance characteristics refer to the analytical performance of the test.								
Methodology	High Performance Liquid Chromatography								
Performing Site	Quest Diagnostics Nichols Institute, Valencia								
CPU Mappings	<table border="1"> <thead> <tr> <th>Result Code</th> <th>Result Name</th> <th>Unit of Measure</th> </tr> </thead> <tbody> <tr> <td>86010357</td> <td>Amoxicillin, HPLC</td> <td>mcg/mL</td> </tr> </tbody> </table>			Result Code	Result Name	Unit of Measure	86010357	Amoxicillin, HPLC	mcg/mL
	Result Code	Result Name	Unit of Measure						
86010357	Amoxicillin, HPLC	mcg/mL							

Fluconazole, HPLC									
Clinical Significance	Fluconazole is commonly used in the treatment of various types of fungal infections. Due to the fact it is readily soluble in water it can be administered in relatively large amounts to patients. Measurement of serum drug levels may be helpful to optimize drug dosing regimens, particularly where there is non-compliance, concern about drug interactions, pharmacokinetic variability or suspected toxicity.								
Effective Date	5/5/2014								
Test Code	34882								
CPT Codes	80299								
Specimen Requirements	2 mL (1 mL minimum) serum collected in a red-top tube (no gel)								
Reject Criteria	Serum separator tubes; other body fluids; other specimen types								
Transport Temperature	Refrigerated								
Specimen Stability	Room temperature and Refrigerated: 7 days Frozen: 30 days								
Set-up/Analytic Time	Set up: Mon, Wed, Fri; Report available: 1-3 days								
Reference Range	<0.5 mcg/mL								
Always Message	<p>Pharmacokinetics are similar after IV or oral administration.</p> <p>Adult, Peak (mean) Single 400 mg oral dose, 1-2 hr: 4.1 to 8.1 mcg/mL</p> <p>Pediatric, Peak (mean) Single oral dose, 9 mo. to 13 yrs. 2 mg/kg: 2.9 mcg/mL 8 mg/kg: 9.8 mcg/mL Multiple IV doses, 5 to 15 yrs. 2 mg/kg: 5.5 mcg/mL 8 mg/kg: 14.1 mcg/mL</p> <p>This test was developed and its performance characteristics have been determined by Quest Diagnostics Nichols Institute, Valencia, CA. Performance characteristics refer to the analytical performance of the test.</p>								
Methodology	High Performance Liquid Chromatography								
Performing Site	Quest Diagnostics Nichols Institute, Valencia								
CPU Mappings	<table border="1"> <thead> <tr> <th>Result Code</th> <th>Result Name</th> <th>Unit of Measure</th> </tr> </thead> <tbody> <tr> <td>85976430</td> <td>Fluconazole, HPLC</td> <td>mcg/mL</td> </tr> </tbody> </table>			Result Code	Result Name	Unit of Measure	85976430	Fluconazole, HPLC	mcg/mL
	Result Code	Result Name	Unit of Measure						
85976430	Fluconazole, HPLC	mcg/mL							

Doxycycline, HPLC								
Clinical Significance	The concentration of antimicrobial agents in body fluids, most notably serum or plasma, are used to regulate therapy to ensure effective dosing (especially with oral agents where GI absorption is in question), to monitor accumulation to help minimize toxicity, and to help evaluate the pharmacokinetics of new agents. Both peak and trough levels obtained immediately after dosing or immediately prior to new dosing, respectively, may be monitored.							
Effective Date	5/5/2014							
Test Code	91970							
CPT Codes	80299							
Specimen Requirements	1 mL (0.5 mL minimum) serum collected in a red-top tube (no gel)							
Reject Criteria	Serum separator tubes; other body fluids; other specimen types							
Instructions	Specimens collected just before or within 15 minutes of the next antibiotic dose represent the trough level. Specimens obtained within 15-30 minutes after the end of IV infusion, or 45-60 minutes after an IM injection, or 90 minutes after oral intake represent the peak level.							
Transport Temperature	Refrigerated							
Specimen Stability	Room temperature and Refrigerated: 7 days Frozen: 30 days							
Set-up/Analytic Time	Set up: Wed, Sat; Report available: 1-5 days							
Reference Range	<0.1 mcg/mL							
Always Message	<p>Peak serum level (mean) 200 mg dose: 2.7-4.5 mcg/mL</p> <p>Trough serum level (mean) 200 mg dose: 12 hours post dose: 1.6 mcg/mL</p> <p>This test was developed and its performance characteristics have been determined by Quest Diagnostics Nichols Institute, Valencia, CA. Performance characteristics refer to the analytical performance of the test.</p>							
Methodology	High Performance Liquid Chromatography							
Performing Site	Quest Diagnostics Nichols Institute, Valencia							
CPU Mappings	<table border="1"> <thead> <tr> <th>Result Code</th> <th>Result Name</th> <th>Unit of Measure</th> </tr> </thead> <tbody> <tr> <td>86010356</td> <td>Doxycycline, HPLC</td> <td>mcg/mL</td> </tr> </tbody> </table>		Result Code	Result Name	Unit of Measure	86010356	Doxycycline, HPLC	mcg/mL
Result Code	Result Name	Unit of Measure						
86010356	Doxycycline, HPLC	mcg/mL						

Itraconazole, HPLC		
Clinical Significance	The antifungal drug itraconazole is active in the treatment of aspergillosis, blastomycosis, histoplasmosis, sporotrichosis, and onychomycosis. It is a protein-bound drug and thus has negligible CSF penetration. It may also be utilized in the treatment of systemic candidiasis and cryptococcosis, especially when other drugs are contraindicated or ineffective. The chronic nature of fungal infections demands constant monitoring of itraconazole levels within a patient to ensure that adequate therapeutic levels of the drug are administered, absorbed and subsequently excreted.	
Effective Date	5/5/2014	
Test Code	34973	
CPT Codes	80299	
Specimen Requirements	2 mL (1 mL minimum) serum collected in a red-top tube (no gel)	

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Reject Criteria	Serum separator tubes; other body fluids; other specimen types											
Transport Temperature	Refrigerated											
Specimen Stability	Room temperature: 72 hours Refrigerated: 14 days Frozen: 30 days											
Set-up/Analytic Time	Set up: Mon, Wed, Fri; Report available: 1-3 days											
Reference Range	<0.05 mcg/mL											
Always Message	<p>Results are expressed in mcg/mL.</p> <p>Itraconazole is metabolized in humans to hydroxyitraconazole, a bioactive metabolite. Both itraconazole and hydroxyitraconazole levels are determined and reported. Levels may vary based on route and regimen of dosing (IV and Oral).</p> <p>200 mg dosing steady state ranges:</p> <p>IV, 7 days: Itraconazole: 1.0-4.8 mcg/mL Hydroxyitraconazole: 1.3-2.5 mcg/mL</p> <p>Oral, 36 days: Itraconazole: 0.6-3.4 mcg/mL Hydroxyitraconazole: 0.9-4.3 mcg/mL</p> <p>This test was developed and its performance characteristics have been determined by Quest Diagnostics Nichols Institute, Valencia, CA. Performance characteristics refer to the analytical performance of the test.</p>											
Methodology	High Performance Liquid Chromatography											
Performing Site	Quest Diagnostics Nichols Institute, Valencia											
CPU Mappings	<table border="1"> <thead> <tr> <th>Result Code</th> <th>Result Name</th> <th>Unit of Measure</th> </tr> </thead> <tbody> <tr> <td>85986920</td> <td>Itraconazole, HPLC</td> <td>mcg/mL</td> </tr> <tr> <td>85986921</td> <td>Hydroxyitraconazole, HPLC</td> <td>mcg/mL</td> </tr> </tbody> </table>			Result Code	Result Name	Unit of Measure	85986920	Itraconazole, HPLC	mcg/mL	85986921	Hydroxyitraconazole, HPLC	mcg/mL
Result Code	Result Name	Unit of Measure										
85986920	Itraconazole, HPLC	mcg/mL										
85986921	Hydroxyitraconazole, HPLC	mcg/mL										

Posaconazole, HPLC	
Clinical Significance	The antifungal drug posaconazole is indicated for prophylaxis of invasive aspergillus and candida infections in severely immunocompromised patients. It may also be used in the treatment of oropharyngeal candidiasis refractory to itraconazole and fluconazole. The chronic nature of fungal infections demands constant monitoring of posaconazole levels within a patient to ensure that adequate therapeutic levels of the drug are administered, absorbed and subsequently excreted.
Effective Date	5/5/2014
Test Code	16480
CPT Codes	80299
Specimen Requirements	2 mL (1 mL minimum) serum collected in a red-top tube (no gel)
Reject Criteria	Serum separator tubes; other body fluids; other specimen types
Transport Temperature	Refrigerated
Specimen Stability	Room temperature: 72 hours Refrigerated: 14 days Frozen: 30 days

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Set-up/Analytic Time	Set up: Mon, Wed, Fri; Report available: 1-3 days								
Reference Range	<0.02 mcg/mL								
Always Message	<p>Patient conditions such as underlying illness and nutritional status (fat intake) at the time of dosing may affect peak bloodstream concentration ranges (oral dosing):</p> <p>Serum Level Ranges: Single 200 mg dose, fasting: 0.05-0.27 mcg/mL Single 200 mg dose, high fat: 0.24-1.02 mcg/mL Steady state, 200 mg TID: 0.02-3.65 mcg/mL</p> <p>This test was developed and its performance characteristics have been determined by Quest Diagnostics Nichols Institute, Valencia, CA. Performance characteristics refer to the analytical performance of the test.</p>								
Methodology	High Performance Liquid Chromatography								
Performing Site	Quest Diagnostics Nichols Institute, Valencia								
CPU Mappings	<table border="1"> <thead> <tr> <th>Result Code</th> <th>Result Name</th> <th>Unit of Measure</th> </tr> </thead> <tbody> <tr> <td>86006683</td> <td>Posaconazole, HPLC</td> <td>mcg/mL</td> </tr> </tbody> </table>			Result Code	Result Name	Unit of Measure	86006683	Posaconazole, HPLC	mcg/mL
Result Code	Result Name	Unit of Measure							
86006683	Posaconazole, HPLC	mcg/mL							

Voriconazole, HPLC	
Clinical Significance	The antifungal drug voriconazole is commonly used in the treatment of various types of fungal infections. An increased fungal resistance to similar drugs of greater toxicity has promoted the use of voriconazole in treating infections caused by aspergillus and other fungal species. The chronic nature of fungal infections demands constant monitoring of voriconazole levels within a patient to ensure that adequate therapeutic levels of the drug are administered, absorbed and subsequently excreted.
Effective Date	5/5/2014
Test Code	19574
CPT Codes	80299
Specimen Requirements	<p>Preferred: 2 mL (1 mL minimum) serum collected in a red-top tube (no gel)</p> <p>Acceptable: 2 mL (1 mL minimum) plasma collected in a Sodium Heparin (green-top) tube or 1 mL (1 mL minimum) CSF collected in a sterile screw cap container</p>
Reject Criteria	Serum separator tubes; other body fluids; other specimen types
Transport Temperature	Refrigerated
Specimen Stability	Room temperature and Refrigerated: 5 days Frozen: 30 days
Set-up/Analytic Time	Set up: Mon-Sat; Report available: 1-2 days
Reference Range	<0.1 mcg/mL
Always Message	<p>Steady state trough levels are achieved within 1 day when an IV loading dose is used and after approximately 5 days of oral or IV therapy without a loading dose.</p> <p>Targeted blood levels: Prophylaxis: trough >0.5 mcg/mL Therapy: trough >1.0 to 2.0 mcg/mL Safety: trough <5.5 mcg/mL</p> <p>Serum trough levels less than or equal to 1 mcg/mL are reported to be associated with lack of therapeutic response and serum trough levels >5.5 mcg/mL have been reported to be associated with</p>

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	<p>reversible neurological adverse events and hepatotoxicity.</p> <p>Co-administration of drugs that metabolically induce or inhibit CYP2C19, or other conditions that affect CYP2C19 may alter voriconazole metabolism.</p> <p>This test was developed and its performance characteristics have been determined by Quest Diagnostics Nichols Institute, Valencia, CA. Performance characteristics refer to the analytical performance of the test.</p>						
Methodology	High Performance Liquid Chromatography						
Performing Site	Quest Diagnostics Nichols Institute, Valencia						
CPU Mappings	<table border="1"> <thead> <tr> <th>Result Code</th> <th>Result Name</th> <th>Unit of Measure</th> </tr> </thead> <tbody> <tr> <td>86002228</td> <td>Voriconazole, HPLC</td> <td>mcg/mL</td> </tr> </tbody> </table>	Result Code	Result Name	Unit of Measure	86002228	Voriconazole, HPLC	mcg/mL
Result Code	Result Name	Unit of Measure					
86002228	Voriconazole, HPLC	mcg/mL					

17-Hydroxyprogesterone, LC/MS/MS	
Clinical Significance	17-hydroxyprogesterone is elevated in patients with congenital adrenal hyperplasia (CAH). CAH is a group of autosomal recessive diseases characterized by a deficiency of cortisol and an excess of ACTH concentration. 17-hydroxyprogesterone is also useful in monitoring cortisol replacement therapy and in evaluating infertility and adrenal and ovarian neoplasms.
Effective Date	5/12/2014
Test Code	17180
CPT Codes	83498
Specimen Requirements	0.5 mL (0.25 mL minimum) serum collected in red-top (no gel) tube Acceptable: 0.5 mL (0.25 mL minimum) plasma collected in an EDTA (lavender-top), or Heparin (green-top) tube
Reject Criteria	Samples collected in SST tubes
Instructions	SST tubes are unacceptable. Draw blood in a red-top tube (no gel). Separate serum after clotting. Ship serum refrigerated or frozen. Do not submit glass tubes.
Transport Temperature	Refrigerated
Specimen Stability	Room temperature: 48 hours Refrigerated: 7 days Frozen: 2 years
Set-up/Analytic Time	Set up: Sun-Fri; Report available: 3 days
Always Message	<p>Adult Reference Ranges for 17-Hydroxyprogesterone, LC/MS/MS:</p> <p>Males: 18-30 years: 32-307 ng/dL 31-40 years: 42-196 ng/dL 41-50 years: 33-195 ng/dL 51-60 years: 37-129 ng/dL</p> <p>Females: Follicular Phase: < or = 185 ng/dL Luteal Phase: < or = 285 ng/dL Postmenopausal Phase: < or = 45 ng/dL Pregnancy: First Trimester: 78-457 ng/dL Second Trimester: 90-357 ng/dL Third Trimester: 144-578 ng/dL</p>

	<p>Pediatric Reference Ranges for 17-Hydroxyprogesterone, LC/MS/MS:</p> <p>1-12 months**: 11-170 ng/dL 1-4 years**: 4-115 ng/dL 5-9 years: 90 ng/dL or less 10-13 years: 169 ng/dL or less 14-17 years: 16-283 ng/dL</p> <p>Premature Infants: < or = 360 ng/dL (31-35 weeks)** Term Infants: < or = 420 ng/dL (3 days)**</p> <p>Tanner Stages**:</p> <p>II-III Males: 12-130 ng/dL II-III Females: 18-220 ng/dL IV-V Males: 51-190 ng/dL IV-V Females: 36-200 ng/dL</p> <p>**Includes data from J Clin Endocrinol Metab. 1991; 73:674-686; J Clin Endocrinol Metab. 1989; 69:1133-1136; and J Clin Endocrinol Metab. 1994; 78:266-270.</p>						
Methodology	Liquid Chromatography Tandem Mass Spectrometry						
Assay Category	Laboratory Developed Test						
Performing Site	Quest Diagnostics Nichols Institute, San Juan Capistrano						
CPU Mappings	<table border="1"> <thead> <tr> <th>Result Code</th> <th>Result Name</th> <th>Unit of Measure</th> </tr> </thead> <tbody> <tr> <td>86000324</td> <td>17-OHProgesterone, LC/MS/MS</td> <td>ng/dL</td> </tr> </tbody> </table>	Result Code	Result Name	Unit of Measure	86000324	17-OHProgesterone, LC/MS/MS	ng/dL
Result Code	Result Name	Unit of Measure					
86000324	17-OHProgesterone, LC/MS/MS	ng/dL					

Intrinsic Factor Blocking Antibody	
Clinical Significance	Intrinsic Factor, produced by cells lining the stomach, binds vitamin B12 (cyanocobalamin) to facilitate absorption of the vitamin. Blocking antibody impedes the action of Intrinsic Factor as observed in approximately half of the patients who develop pernicious anemia.
Effective Date	5/12/2014
Test Code	568
CPT Codes	86340
Specimen Requirements	1 mL (0.3 mL minimum) serum
Instructions	Samples should not be collected from a patient who has received vitamin B12 injection therapy within the past week.
Transport Temperature	Room temperature
Specimen Stability	Room temperature and Refrigerated: 7 days Frozen: 28 days
Set-up/Analytic Time	Set up: Sun, Tue, Thu; Report available: 3-6 days
Reference Range	ADULTS: NEGATIVE
Methodology	Immunoassay

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Performing Site	Quest Diagnostics Nichols Institute, San Juan Capistrano	
CPU Mappings	Result Code	Result Name
	85986180	Intrinsic Factor Block Ab

Lyme Disease Antibodies (IgG, IgM) Immunoblot		
Clinical Significance	Lyme disease is transmitted by a tick vector carrying <i>Borrelia burgdorferi</i> . Immunoblot testing qualitatively examines, with high specificity, antibodies in a patient's specimen. Immunoblot testing is appropriate for confirming a detected EIA or IFA test result.	
Effective Date	5/12/2014	
Test Code	8593	
CPT Codes	86617 (x2)	
Specimen Requirements	1 mL (0.5 mL minimum) serum	
Reject Criteria	Gross hemolysis; gross lipemia	
Transport Temperature	Room temperature	
Specimen Stability	Room temperature: 7 days Refrigerated: 14 days Frozen: 30 days	
Set-up/Analytic Time	Set up: Daily; Report available: 1-3 days	
Reference Range	Negative	
Always Message	As per CDC criteria, a Lyme disease IgG immunoblot must show reactivity to at least 5 to 10 specific borrelial proteins to be considered positive; similarly, a positive Lyme disease IgM immunoblot requires reactivity to 2 of 3 specific borrelial proteins. Although considered negative, IgG reactivity to fewer specific borrelial proteins or IgM reactivity to only 1 protein may indicate recent <i>B. burgdorferi</i> infection and warrant testing of a later sample. A positive IgM but negative IgG result obtained more than a month after onset of symptoms likely represents a false-positive IgM result rather than acute Lyme disease. In rare instances, Lyme disease immunoblot reactivity may represent antibodies induced by exposure to other spirochetes.	
Methodology	Immunoblot	
Performing Site	Quest Diagnostics Nichols Institute, Valencia	
CPU Mappings	Result Code	Result Name
	45059500	Lyme Disease Ab (IgG), Blot
	45059600	18 kD (IgG) Band
	45059700	23 kD (IgG) Band
	45059800	28 kD (IgG) Band
	45059900	30 kD (IgG) Band
	45061300	39 kD (IgG) Band
	45061400	41 kD (IgG) Band
	45060500	45 kD (IgG) Band
	45060600	58 kD (IgG) Band
	45060700	66 kD (IgG) Band

	45060800	93 kD (IgG) Band
	45060900	Lyme Disease Ab (IgM), Blot
	45061500	23 kD (IgM) Band
	45061600	39 kD (IgM) Band
	45061200	41 kD (IgM) Band

Lyme Disease Antibody with Reflex to Blot (IgG, IgM)									
Clinical Significance	Lyme disease is caused by a bacterium <i>Borrelia burgdorferi</i> and is transmitted by ticks. EIA is the screening test with high sensitivity for antibody detection. Immunoblot testing qualitatively examines with high specificity antibodies in a patient's specimen. Immunoblot testing is appropriate for confirming a detected EIA test result.								
Effective Date	5/12/2014								
Test Code	6646								
CPT Codes	86618								
Specimen Requirements	1 mL (0.5 mL minimum) serum								
Reject Criteria	Gross hemolysis; gross lipemia								
Transport Temperature	Room temperature								
Specimen Stability	Room temperature: 7 days Refrigerated: 14 days Frozen: 30 days								
Set-up/Analytic Time	Set up: daily; Report available: 1-3 days								
Reference Range	< or = 0.90								
Always Message	<p>Reference Range: < or = 0.90 Negative 0.91 - 1.09 Equivocal > or = 1.10 Positive</p> <p>The use of purified V1sE-1 and PepC10 antigens in this assay provides improved specificity compared to assays that utilize whole cell lysates of <i>B. burgdorferi</i>, the causative agent of Lyme disease, and slightly better sensitivity compared to the C6 antibody assay.</p> <p>As recommended by the Food and Drug Administration (FDA), all samples with positive or equivocal results in a <i>Borrelia burgdorferi</i> antibody EIA (screening) will be tested using a blot method. Positive or equivocal screening test results should not be interpreted as truly positive until verified as such using a supplemental assay (e.g. <i>B. burgdorferi</i> blot).</p> <p>The screening test and/or blot for <i>B. burgdorferi</i> antibodies may be falsely negative in early stages of Lyme disease, including the period when erythema migrans is apparent.</p>								
Methodology	Immunoassay and Immunoblot								
Performing Site	Quest Diagnostics Nichols Institute, Valencia								
CPU Mappings	<table border="1"> <thead> <tr> <th>Result Code</th> <th>Result Name</th> </tr> </thead> <tbody> <tr> <td>45054600</td> <td>Lyme Antibody Screen</td> </tr> <tr> <td colspan="2" style="text-align: center;"><i>This test is a true reflex. Please build the unit code below separately. Non-orderable Reflex RRN-Lyme Disease Antibodies (IgG, IgM)</i></td> </tr> <tr> <th>Result Code</th> <th>Result Name</th> </tr> </tbody> </table>	Result Code	Result Name	45054600	Lyme Antibody Screen	<i>This test is a true reflex. Please build the unit code below separately. Non-orderable Reflex RRN-Lyme Disease Antibodies (IgG, IgM)</i>		Result Code	Result Name
Result Code	Result Name								
45054600	Lyme Antibody Screen								
<i>This test is a true reflex. Please build the unit code below separately. Non-orderable Reflex RRN-Lyme Disease Antibodies (IgG, IgM)</i>									
Result Code	Result Name								

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	45059500	Lyme Disease Ab (IgG), Blot
	45059600	18 kD (IgG) Band
	45059700	23 kD (IgG) Band
	45059800	28 kD (IgG) Band
	45059900	30 kD (IgG) Band
	45061300	39 kD (IgG) Band
	45061400	41 kD (IgG) Band
	45060500	45 kD (IgG) Band
	45060600	58 kD (IgG) Band
	45060700	66 kD (IgG) Band
	45060800	93 kD (IgG) Band
	45060900	Lyme Disease Ab (IgM), Blot
	45061500	23 kD (IgM) Band
	45061600	39 kD (IgM) Band
	45061200	41 kD (IgM) Band
Additional Information	If Lyme Ab Screen is "Equivocal" or "Positive" then the Lyme Disease Antibodies (IgG, IgM) by Immunoblot will be performed at an additional charge (CPT code(s): 86617 (x2)).	

T3, Free, Tracer Dialysis	
Clinical Significance	T3 measurements are used to diagnose hyperthyroidism. This test can also be used to clarify thyroid status in the presence of possible protein-binding abnormalities.
Effective Date	5/12/2014
Test Code	36598
CPT Codes	84481; 84480
Specimen Requirements	1 mL (0.5 mL minimum) serum
Transport Temperature	Room temperature
Specimen Stability	Room temperature: 4 days Refrigerated: 7 days Frozen: 28 days
Set-up/Analytic Time	Set up: Sun-Thu; Report available: 4-7 days
Always Message	<p>Adult Reference Range for T3, Free, Tracer Dialysis: 210-440 pg/dL</p> <p>Pregnancy Reference Ranges for Free T3: 200-380 pg/dL (all trimesters)</p> <p>Pediatric Reference Range for T3, Free, Tracer Dialysis: 1-9 years: 282-518 pg/dL 10-13 years: 286-556 pg/dL 14-17 years: 242-501 pg/dL</p> <p>T3, Total: Reference Ranges for T3, Total:</p>

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	<p><4 years: Reference Range Not Established 4-9 years: 104-190 ng/dL 10-13 years: 94-213 ng/dL 14-17 years: 84-179 ng/dL > or = 18 years: 76-181 ng/dL</p>									
Methodology	Equilibrium Dialysis by RIA, Immunochemiluminescence									
Assay Category	Laboratory Developed Test									
Performing Site	Quest Diagnostics Nichols Institute, San Juan Capistrano									
CPU Mappings	<table border="1"> <thead> <tr> <th>Result Code</th> <th>Result Name</th> <th>Unit of Measure</th> </tr> </thead> <tbody> <tr> <td>85990760</td> <td>Free T3</td> <td>pg/dL</td> </tr> <tr> <td>55080300</td> <td>T3, Total</td> <td>ng/dL</td> </tr> </tbody> </table>	Result Code	Result Name	Unit of Measure	85990760	Free T3	pg/dL	55080300	T3, Total	ng/dL
Result Code	Result Name	Unit of Measure								
85990760	Free T3	pg/dL								
55080300	T3, Total	ng/dL								

T4, Free, Direct Dialysis	
Clinical Significance	Free T4 by equilibrium dialysis is the most accurate measure of Free T4. Results are independent of the concentration of the T4-binding proteins, the presence of molecular variants of these proteins, or circulating autoantibodies. Free T4 is useful in the distinguishing euthyroidism from thyroid disease.
Effective Date	5/12/2014
Test Code	35167
CPT Codes	84439
Specimen Requirements	2 mL (0.5 mL minimum) serum
Instructions	Fasting preferred
Transport Temperature	Room temperature
Specimen Stability	Room temperature and Refrigerated: 7 days Frozen: 28 days
Set-up/Analytic Time	Set up: Sun-Thu; Report available: 4-7 days
Always Message	<p>T4, Free Direct Dialysis: Reference Ranges for T4, Free, Direct Dialysis:</p> <p>Prematures, 25-30 Weeks, Birth - 7 Days 0.5-3.3 ng/dL Prematures, 31-36 Weeks, Birth - 7 Days 1.3-4.7 ng/dL Cord Blood, >37 Weeks 1.2-2.2 ng/dL Birth - 4 Days 2.2-5.3 ng/dL 2 Weeks - 2 Years 0.8-2.0 ng/dL 3-20 Years 1.0-2.4 ng/dL 21-87 Years 0.8-2.7 ng/dL</p> <p>Pregnancy: First Trimester: 0.9-2.0 ng/dL Second Trimester: 0.8-1.5 ng/dL Third Trimester: 0.8-1.7 ng/dL</p> <p>This test was developed and its performance characteristics have been determined by Quest Diagnostics Nichols Institute, San Juan Capistrano. It has not been cleared or approved by the U.S. Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary. Performance characteristics refer to the analytical performance of the test.</p>
Methodology	Direct Equilibrium Dialysis, Radioimmunoassay

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Assay Category	Laboratory Developed Test		
Performing Site	Quest Diagnostics Nichols Institute, San Juan Capistrano		
CPU Mappings	Result Code	Result Name	Unit of Measure
	85986270	T4, Free Direct Dialysis	ng/dL

Tamoxifen and Metabolites, LC-MS/MS													
Clinical Significance	Tamoxifen is a prodrug and undergoes biotransformation into a series of metabolites. N-desmethyl tamoxifen is the most abundant metabolite. 4-Hydroxy tamoxifen and N-desmethyl-4-hydroxy tamoxifen (endoxifen) are the most potent metabolites. Studies have shown that genetic variations in the CYP2D6 enzymes influence endoxifen levels. Due to this variability, monitoring endoxifen levels and phase one metabolite rather than CYP2D6 genotype testing is suggested to be a better approach for monitoring tamoxifen therapy.												
Effective Date	5/12/2014												
Test Code	91998												
CPT Codes	83789												
Specimen Requirements	0.5 mL (0.3 mL minimum) serum collected in red-top tube (no gel)												
Reject Criteria	Plasma; serum separator tube; hemolysis												
Instructions	Collect blood in a red-top vacutainer tube. Allow blood to clot (10-15 minutes) at room temperature before centrifugation. Separate serum from cells into a standard 13x100 mm tube.												
Transport Temperature	Room temperature												
Specimen Stability	Room temperature and Refrigerated: 7 days Frozen: 1 year												
Set-up/Analytic Time	Set up: Wed, Fri; Report available: 2-5 days												
Reference Range	<table border="1"> <tr> <td>Endoxifen:</td> <td>0.93-43.19 ng/mL</td> </tr> <tr> <td>Tamoxifen:</td> <td>12.54-233.07 ng/mL</td> </tr> <tr> <td>N-Desmethyl Tamoxifen:</td> <td>2.59-373.96 ng/mL</td> </tr> <tr> <td>4-Hydroxy Tamoxifen:</td> <td>0.24-5.05 ng/mL</td> </tr> <tr> <td>N-Desmethyl-4'-Hydroxy Tam:</td> <td>1.17-19.95 ng/mL</td> </tr> <tr> <td>4'-Hydroxy Tamoxifen:</td> <td>0.40-6.33 ng/mL</td> </tr> </table>	Endoxifen:	0.93-43.19 ng/mL	Tamoxifen:	12.54-233.07 ng/mL	N-Desmethyl Tamoxifen:	2.59-373.96 ng/mL	4-Hydroxy Tamoxifen:	0.24-5.05 ng/mL	N-Desmethyl-4'-Hydroxy Tam:	1.17-19.95 ng/mL	4'-Hydroxy Tamoxifen:	0.40-6.33 ng/mL
Endoxifen:	0.93-43.19 ng/mL												
Tamoxifen:	12.54-233.07 ng/mL												
N-Desmethyl Tamoxifen:	2.59-373.96 ng/mL												
4-Hydroxy Tamoxifen:	0.24-5.05 ng/mL												
N-Desmethyl-4'-Hydroxy Tam:	1.17-19.95 ng/mL												
4'-Hydroxy Tamoxifen:	0.40-6.33 ng/mL												
Always Message	<p>The clinical interpretation of the quantitation of Tamoxifen and its metabolites is not yet fully established. The assay shows good agreement with published data from a clinical trial [1]. That study showed that women in the lowest quintile of values for Endoxifen had a 26% greater chance of recurrence than those in the upper 80% of values. Therefore we have used that quintile threshold for interpretation of results for this assay.</p> <p>1. Tamoxifen metabolite concentrations, CYP2D6 genotype, and breast cancer outcomes., Madlensky L, Natarajan L, Tchu S et al., Clin PharmacolTher. 2011 May;89(5):718-25</p>												
Methodology	Liquid Chromatography Tandem Mass Spectrometry												
Performing Site	Quest Diagnostics Nichols Institute, Valencia												

CPU Mappings

Result Code	Type	Result Name	Unit of Measure
86010466	Prompt-Result	Menopausal Status	
86010467		Interpretation	
86010468		Endoxifen	ng/mL
86010469		Tamoxifen	ng/mL
86010470		N-Desmethyl Tamoxifen	ng/mL
86010471		4-Hydroxy Tamoxifen	ng/mL
86010472		N-Desmethyl-4'-Hydroxy Tam	ng/mL
86010473		4'-Hydroxy Tamoxifen	ng/mL
86010474		Always Comment	

ADAMTS13 Activity with Reflex to Inhibitor

Clinical Significance	ADAMTS-13 is a zinc metalloprotease that cleaves ultra large vWF multimers. Studies have shown that low levels of ADAMTS-13 activity are associated with thrombotic thrombocytopenic purpura (TTP), a life-threatening hematological condition characterized by low platelet count, microvascular thrombi, red cell fragmentation, and renal complications. Congenital TTP is a rare inherited disease caused by mutations within the ADAMTS-13 gene, which result in the production of non-functional protein. The acquired form of TTP is an autoimmune-like disorder caused by the development of autoantibodies to ADAMTS-13 that inhibits enzyme activity.
Effective Date	5/19/2014
Test Code	14532
CPT Codes	85397
Specimen Requirements	1 mL (0.5 mL minimum) plasma collected in 3.2% sodium citrate (light blue-top) tube
Reject Criteria	EDTA plasma
Instructions	Platelet Poor Plasma: Centrifuge light blue-top tube 15 minutes at approx. 1500 g within 60 minutes of collection. Using a plastic pipette, remove plasma, taking care to avoid the WBC/platelet buffy layer and place into a plastic vial. Centrifuge a second time and transfer platelet-poor plasma into a new plastic vial. Plasma must be free of platelets (<10,000/mcl). Freeze immediately and ship on dry ice.
Transport Temperature	Frozen
Specimen Stability	Room temperature and Refrigerated: Unacceptable Frozen -20° C: 21 days Frozen -70° C: 6 months
Set-up/Analytic Time	Set up: Sun, Tue, Thu; Report available: 4-7 days
Reference Range	ADAMTS13 Activity: 68-163 % Activity ADAMTS13 Inhibitor: <0.4 BEU
Always Message	Activity levels below 10% are seen in acquired and hereditary thrombotic thrombocytopenic purpura (TTP). Not all patients with TTP will exhibit low levels of ADAMTS13 activity with this assay, i.e., post bone marrow transplantation, drug-induced TTP, and mutations of ADAMTS13 at the CUB domain. Recent plasma exchange or immunosuppressive therapy may raise the observed activity levels. Mild decreases in ADAMTS13 activity are seen in a wide variety of conditions including metastatic cancer, neonates, serious infections and cirrhosis of the liver. This test was performed using a kit that has not been approved or cleared by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics Nichols Institute,

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	<p>San Juan Capistrano. This test should not be used for diagnosis without confirmation by other medically established means.</p> <p>For more information on this test, go to: http://education.questdiagnostics.com/faq/FAQ112</p>																		
Methodology	Immunoassay																		
Assay Category	Research Use Only																		
Performing Site	Quest Diagnostics Nichols Institute, San Juan Capistrano																		
CPU Mappings	<table border="1"> <thead> <tr> <th colspan="3">14532-1-ADAMTS13 Activity</th> </tr> <tr> <th>Result Code</th> <th>Result Name</th> <th>Unit of Measure</th> </tr> </thead> <tbody> <tr> <td>85996860</td> <td>ADAMTS13 Activity</td> <td>% Activity</td> </tr> <tr> <td colspan="3"> <p>This is a true reflex. Please build the unit code below separately Non-orderable Reflex 14532-2-ADAMTS13 Inhibitor</p> </td> </tr> <tr> <th>Result Code</th> <th>Result Name</th> <th>Unit of Measure</th> </tr> <tr> <td>85996861</td> <td>ADAMTS13 Inhibitor</td> <td>BEU</td> </tr> </tbody> </table>	14532-1-ADAMTS13 Activity			Result Code	Result Name	Unit of Measure	85996860	ADAMTS13 Activity	% Activity	<p>This is a true reflex. Please build the unit code below separately Non-orderable Reflex 14532-2-ADAMTS13 Inhibitor</p>			Result Code	Result Name	Unit of Measure	85996861	ADAMTS13 Inhibitor	BEU
14532-1-ADAMTS13 Activity																			
Result Code	Result Name	Unit of Measure																	
85996860	ADAMTS13 Activity	% Activity																	
<p>This is a true reflex. Please build the unit code below separately Non-orderable Reflex 14532-2-ADAMTS13 Inhibitor</p>																			
Result Code	Result Name	Unit of Measure																	
85996861	ADAMTS13 Inhibitor	BEU																	
Additional Information	If the ADAMTS13 Activity result is < or = 40%, then ADAMTS13 Inhibitor will be performed at an additional charge. (CPT code(s): 85335)																		

Febrile Antibodies Panel																					
Effective Date	5/19/2014																				
Test Code	91121																				
CPT Codes	86768 (x5), 86757 (x4), 86622 (x2)																				
Specimen Requirements	3 mL (0.8 mL minimum) serum																				
Transport Temperature	Room temperature																				
Specimen Stability	Room temperature: 7 days Refrigerated: 14 days Frozen: 30 days																				
Methodology	Immunoassay																				
Performing Site	Focus Diagnostics, Inc.																				
CPU Mappings	<table border="1"> <tr> <td colspan="2">10582 (10582X) {10582N} [3097]-Salmonella, Total Antibody, EIA (40450)</td> </tr> <tr> <th>Result Code</th> <th>Result Name</th> </tr> <tr> <td>86003281</td> <td>Salmonella H, type a</td> </tr> <tr> <td>86003282</td> <td>Salmonella H, type b</td> </tr> <tr> <td>86003283</td> <td>Salmonella H, type d</td> </tr> <tr> <td>86003284</td> <td>Salmonella O, type Vi</td> </tr> <tr> <td>86003285</td> <td>Salmonella O, type D</td> </tr> <tr> <td colspan="2">6419-Rickettsia (RMSF) Antibodies (IgG, IgM) with Reflex to Titers</td> </tr> <tr> <th>Result Code</th> <th>Result Name</th> </tr> <tr> <td>70025900</td> <td>RMSF IgG</td> </tr> </table>	10582 (10582X) {10582N} [3097]-Salmonella, Total Antibody, EIA (40450)		Result Code	Result Name	86003281	Salmonella H, type a	86003282	Salmonella H, type b	86003283	Salmonella H, type d	86003284	Salmonella O, type Vi	86003285	Salmonella O, type D	6419-Rickettsia (RMSF) Antibodies (IgG, IgM) with Reflex to Titers		Result Code	Result Name	70025900	RMSF IgG
10582 (10582X) {10582N} [3097]-Salmonella, Total Antibody, EIA (40450)																					
Result Code	Result Name																				
86003281	Salmonella H, type a																				
86003282	Salmonella H, type b																				
86003283	Salmonella H, type d																				
86003284	Salmonella O, type Vi																				
86003285	Salmonella O, type D																				
6419-Rickettsia (RMSF) Antibodies (IgG, IgM) with Reflex to Titers																					
Result Code	Result Name																				
70025900	RMSF IgG																				

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	<table border="1"> <tr> <td>70035700</td> <td>RMSF IgM</td> </tr> <tr> <td colspan="2">37503-Rickettsia (Typhus Fever) Antibodies (IgG, IgM) with Reflex to Titers</td> </tr> <tr> <td>Result Code</td> <td>Result Name</td> </tr> <tr> <td>70026000</td> <td>R. typhi IgG</td> </tr> <tr> <td>70026040</td> <td>R. typhi IgM</td> </tr> <tr> <td colspan="2">91068-Brucella Antibodies (IgG, IgM), EIA with Reflex to Agglutination</td> </tr> <tr> <td>Result Code</td> <td>Result Name</td> </tr> <tr> <td>86008608</td> <td>Brucella IgG</td> </tr> <tr> <td>86008609</td> <td>Brucella IgM</td> </tr> </table>	70035700	RMSF IgM	37503-Rickettsia (Typhus Fever) Antibodies (IgG, IgM) with Reflex to Titers		Result Code	Result Name	70026000	R. typhi IgG	70026040	R. typhi IgM	91068-Brucella Antibodies (IgG, IgM), EIA with Reflex to Agglutination		Result Code	Result Name	86008608	Brucella IgG	86008609	Brucella IgM
70035700	RMSF IgM																		
37503-Rickettsia (Typhus Fever) Antibodies (IgG, IgM) with Reflex to Titers																			
Result Code	Result Name																		
70026000	R. typhi IgG																		
70026040	R. typhi IgM																		
91068-Brucella Antibodies (IgG, IgM), EIA with Reflex to Agglutination																			
Result Code	Result Name																		
86008608	Brucella IgG																		
86008609	Brucella IgM																		
Additional Information	<p>If RMSF IgG is Detected, then RMSF IgG Titer will be performed at an additional charge (CPT code: 86757). If RMSF IgM is Detected, then RMSF IgM Titer will be performed at an additional charge (CPT code: 86757). If R. typhi IgG is Detected, then R. typhi IgG Titer will be performed at an additional charge (CPT code: 86757). If R. typhi IgM is Detected, then R. typhi IgM Titer will be performed at an additional charge (CPT code: 86757). If Brucella IgM result is > or = 1.10, then Brucella Antibody, Agglutination will be performed at an additional charge (CPT code: 86622)</p>																		

Test Changes

The following test changes will be effective on the dates indicated below. **Please note that only the information that is changing appears in this update.** Former test names and test codes have been italicized.

Diabetes Risk Panel without Score	
Effective Date	5/5/2014
Former Test Name	<i>Diabetes Risk Assessment</i>
Test Code	91920
Performing Site	Quest Diagnostics Nichols Institute, San Juan Capistrano

Jo-1 IgG Autoantibodies									
Effective Date	5/5/2014								
Test Code	1208								
Assay Category	FDA Approved/Cleared								
Performing Site	Quest Diagnostics Nichols Institute, Valencia								
Tests Affected	<table border="1"> <tr> <th>Test Codes:</th> <th>Name:</th> </tr> <tr> <td>1004</td> <td>Rheumatic Evaluation</td> </tr> <tr> <td>RMU</td> <td>Reflex Analyzer</td> </tr> <tr> <td>3242</td> <td>Myositis AssessR(TM) Plus Jo-1 Autoantibodies</td> </tr> </table>	Test Codes:	Name:	1004	Rheumatic Evaluation	RMU	Reflex Analyzer	3242	Myositis AssessR(TM) Plus Jo-1 Autoantibodies
Test Codes:	Name:								
1004	Rheumatic Evaluation								
RMU	Reflex Analyzer								
3242	Myositis AssessR(TM) Plus Jo-1 Autoantibodies								

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PTH, Intact and Calcium													
Effective Date	5/5/2014												
Test Code	3943												
Reject Criteria	Plasma; received room temperature; received refrigerated												
Specimen Stability	Room temperature and refrigerated: Unacceptable Frozen: 6 Months												
Reference Range	<table border="1"> <thead> <tr> <th colspan="2">Intact PTH</th> </tr> </thead> <tbody> <tr> <td><6 Years</td> <td>Not established</td> </tr> <tr> <td>6-9 Years</td> <td>9-59 pg/mL</td> </tr> <tr> <td>10-13 Years</td> <td>11-74 pg/mL</td> </tr> <tr> <td>14-17 Years</td> <td>9-69 pg/mL</td> </tr> <tr> <td>> or = 18 Years</td> <td>14-64 pg/mL</td> </tr> </tbody> </table>	Intact PTH		<6 Years	Not established	6-9 Years	9-59 pg/mL	10-13 Years	11-74 pg/mL	14-17 Years	9-69 pg/mL	> or = 18 Years	14-64 pg/mL
Intact PTH													
<6 Years	Not established												
6-9 Years	9-59 pg/mL												
10-13 Years	11-74 pg/mL												
14-17 Years	9-69 pg/mL												
> or = 18 Years	14-64 pg/mL												
Performing Site	Quest Diagnostics Nichols Institute, Valencia												
Additional Information	Effective 5/5/14, Quest Diagnostics will replace the Siemens Immulite intact PTH assay with the Beckman Coulter intact PTH assay. Compared to the previous (Immulite) assay, the Beckman Coulter PTH assay generally gives similar values in the healthy subject range, but may run lower at very high levels of PTH. For patients whose PTH levels are being followed serially over time, a rebaselining code (test code 92110) is available to allow comparison of new and previous PTH assay results. This rebaseline code will be available from 5/6/2014 - 7/7/2014. This profile will include order code 3943 - intact PTH with Calcium (at regular price) plus an intact PTH measurement from the old Immulite method (at no additional charge).												
Tests Affected	<table border="1"> <thead> <tr> <th>Test Codes:</th> <th>Name:</th> </tr> </thead> <tbody> <tr> <td>3941</td> <td>PTH, Intact (Without Calcium)</td> </tr> <tr> <td>3942</td> <td>PTH Scattergraph (PTH Intact Incl Total Calcium)</td> </tr> <tr> <td>3944</td> <td>PTH, Intact, Including Ionized & Total Calcium</td> </tr> <tr> <td>3943SR</td> <td>PTH, Intact, Including Total Calcium w/Serial Reporting</td> </tr> </tbody> </table>	Test Codes:	Name:	3941	PTH, Intact (Without Calcium)	3942	PTH Scattergraph (PTH Intact Incl Total Calcium)	3944	PTH, Intact, Including Ionized & Total Calcium	3943SR	PTH, Intact, Including Total Calcium w/Serial Reporting		
Test Codes:	Name:												
3941	PTH, Intact (Without Calcium)												
3942	PTH Scattergraph (PTH Intact Incl Total Calcium)												
3944	PTH, Intact, Including Ionized & Total Calcium												
3943SR	PTH, Intact, Including Total Calcium w/Serial Reporting												

21-Hydroxylase Antibody	
Effective Date	5/12/2014
Test Code	S51345
Specimen Requirements	1 mL (0.5 mL minimum) serum
Reject Criteria	Gross hemolysis; gross lipemia; gross icterus
Transport Temperature	Room temperature
Specimen Stability	Room temperature: 7 days Refrigerated: 14 days Frozen: 28 days
Performing Site	Quest Diagnostics Nichols Institute, San Juan Capistrano

Rickettsia Conorii Antibody Panel, IFA

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Effective Date	5/12/2014
Test Code	A50927
Transport Temperature	Room temperature
Specimen Stability	Room temperature: 7 days Refrigerated: 14 days Frozen: 30 days
Set-up/Analytic Time	Set up: Mon-Fri; Report available: 1-4 days
Performing Site	Focus Diagnostics, Inc.

<i>Bordetella pertussis/parapertussis</i> Smear, DFA							
Clinical Significance	<i>Bordetella pertussis</i> is the cause of whooping cough. <i>Bordetella parapertussis</i> is a related organism and causes a similar but milder disease.						
Effective Date	5/19/2014						
Former Test Name	<i>Bordetella pertussis/parapertussis</i> Ag Detection						
Former Test Code	2428						
Test Code	34966						
Specimen Requirements	Preferred: Nasopharyngeal swab collected in ESwab Mini-tip transport system (blue-cap) Acceptable: Nasopharyngeal swab or nasal aspirates collected in Amies or Stuart liquid bacterial transport system or 2 air-dried slides Remove all other specimen types and collection containers						
Reject Criteria	Single slides will only have <i>B. pertussis</i> performed; broken slides; transport media containing charcoal						
Instructions	Preferred specimen is nasopharyngeal swab collected in ESwab Mini-tip transport system (blue-cap). Mini-tip swabs with flexible shafts must be used to obtain nasopharyngeal specimens. Alternatively, two (2) air-dried slides with one or two smears on each, prepared from a nasopharyngeal swab or aspirate, packaged in slide carrier is acceptable. Single slides will only be stained for <i>B. pertussis</i>. Amies or Stuart transport without charcoal can also be used. Note that Amies or Stuart are not acceptable for culture. Transport temperature refrigerated (Cold-Pak) is preferred.						
Transport Temperature	<table border="1"> <tr> <td>Nasopharyngeal slide:</td> <td>Room temperature</td> </tr> <tr> <td>Nasopharyngeal swab:</td> <td>Refrigerated</td> </tr> </table>	Nasopharyngeal slide:	Room temperature	Nasopharyngeal swab:	Refrigerated		
Nasopharyngeal slide:	Room temperature						
Nasopharyngeal swab:	Refrigerated						
Specimen Stability	<table border="1"> <tr> <td>ESwab:</td> <td>Room temperature: Unacceptable Refrigerated: 4 days Frozen: Unacceptable</td> </tr> <tr> <td>Swab:</td> <td>Room temperature and Refrigerated: 48 hours Frozen: Unacceptable</td> </tr> <tr> <td>Slides:</td> <td>Room temperature and Refrigerated: 7 days Frozen: Unacceptable</td> </tr> </table>	ESwab:	Room temperature: Unacceptable Refrigerated: 4 days Frozen: Unacceptable	Swab:	Room temperature and Refrigerated: 48 hours Frozen: Unacceptable	Slides:	Room temperature and Refrigerated: 7 days Frozen: Unacceptable
ESwab:	Room temperature: Unacceptable Refrigerated: 4 days Frozen: Unacceptable						
Swab:	Room temperature and Refrigerated: 48 hours Frozen: Unacceptable						
Slides:	Room temperature and Refrigerated: 7 days Frozen: Unacceptable						
Set-up/Analytic Time	Set up: Mon-Fri; Report available: 1-4 days						
Reference Range	Not detected						

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Methodology	Direct Immunofluorescence Assay (DFA)																	
Performing Site	Quest Diagnostics Nichols Institute, Valencia																	
CPU Mappings	<table border="1"> <tr> <td colspan="3">SJC Reporting Title: B.PERTUSSIS/PARAPERTUSSISDFA</td> </tr> <tr> <td>Result Code</td> <td>Type</td> <td>Result Name</td> </tr> <tr> <td>86007404</td> <td>Prompt-Result</td> <td>Specimen Source:</td> </tr> <tr> <td>85991617</td> <td></td> <td>B. pertussis, DFA</td> </tr> <tr> <td>85991618</td> <td></td> <td>B. parapertussis, DFA</td> </tr> </table>			SJC Reporting Title: B.PERTUSSIS/PARAPERTUSSISDFA			Result Code	Type	Result Name	86007404	Prompt-Result	Specimen Source:	85991617		B. pertussis, DFA	85991618		B. parapertussis, DFA
SJC Reporting Title: B.PERTUSSIS/PARAPERTUSSISDFA																		
Result Code	Type	Result Name																
86007404	Prompt-Result	Specimen Source:																
85991617		B. pertussis, DFA																
85991618		B. parapertussis, DFA																

<i>Bordetella pertussis/parapertussis</i>, Culture					
Clinical Significance	<i>Bordetella pertussis</i> is the cause of whooping cough. <i>Bordetella parapertussis</i> is a related organism and causes a similar but milder disease.				
Effective Date	5/19/2014				
Former Test Code	2416				
Test Code	5260				
CPT Codes	87081				
Specimen Requirements	<p>Preferred: Nasopharyngeal swab collected in ESwab Mini-tip transport system (blue-cap)</p> <p>Acceptable: Nasopharyngeal swabs in Regan-Lowe transport media</p> <p>Remove all other specimen types and collection containers</p>				
Reject Criteria	Anterior nasal/nares; dry swab; Amies; Amies with charcoal culture swab				
Instructions	<p>Mini-tip swabs must be used for nasopharyngeal specimens and placed in ESwab or Regan-Lowe transport medium. For Regan-Lowe transport medium, collect specimen using mini-tip calcium alginate or dacron swab. Place swab in Regan-Lowe transport medium for culture.</p> <p>Pre-incubation of the inoculated Regan-Lowe medium at 36° C overnight before transit will increase survivability of <i>Bordetella</i> species.</p> <p>Transport pre-incubated Regan-Lowe refrigerated, preferable, or room temperature.</p> <p>Do not use rayon or cotton-tipped swabs, since they may be toxic to <i>Bordetella</i>.</p>				
Transport Temperature	Refrigerated				
Specimen Stability	<table border="1"> <tr> <td>ESwabs:</td> <td>Room temperature: Unacceptable Refrigerated: 4 days Frozen: Unacceptable</td> </tr> <tr> <td>Swab in Regan-Lowe:</td> <td>Room temperature: 48 hours Refrigerated: 72 hours Frozen: Unacceptable</td> </tr> </table>	ESwabs:	Room temperature: Unacceptable Refrigerated: 4 days Frozen: Unacceptable	Swab in Regan-Lowe:	Room temperature: 48 hours Refrigerated: 72 hours Frozen: Unacceptable
ESwabs:	Room temperature: Unacceptable Refrigerated: 4 days Frozen: Unacceptable				
Swab in Regan-Lowe:	Room temperature: 48 hours Refrigerated: 72 hours Frozen: Unacceptable				
Set-up/Analytic Time	Set up: Daily; Report available: 7-10 days				
Reference Range	Not isolated				
Methodology	Culture				
Performing Site	Quest Diagnostics Nichols Institute, Valencia				

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CPU Mappings	Result Code	Type	Result Name
	86007404	Prompt-Result	Specimen Source:
	86010703		Status
	85991362		Bordetella Culture

Creatine, 24-Hour Urine													
Effective Date	5/19/2014												
<i>Former Test Code</i>	S50739												
Test Code	592												
Set-up/Analytic Time	Set up: Mon-Fri; Report available: Next day												
Performing Site	This test previously performed at Quest Diagnostics Nichols Institute, San Juan Capistrano will now be performed at Quest Diagnostics Nichols Institute, Chantilly.												
CPU Mappings	<table border="1"> <tr> <td>Result Code:</td> <td>Type:</td> <td>Result Name:</td> </tr> <tr> <td>85993218</td> <td>Prompt-Result</td> <td>Total Volume</td> </tr> <tr> <td>85988591</td> <td></td> <td>Creatine, 24-Hour Urine</td> </tr> <tr> <td>25025900</td> <td></td> <td>Creatinine, 24-Hour Urine</td> </tr> </table>	Result Code:	Type:	Result Name:	85993218	Prompt-Result	Total Volume	85988591		Creatine, 24-Hour Urine	25025900		Creatinine, 24-Hour Urine
	Result Code:	Type:	Result Name:										
	85993218	Prompt-Result	Total Volume										
	85988591		Creatine, 24-Hour Urine										
25025900		Creatinine, 24-Hour Urine											

Factor VIII Activity, Clotting	
Effective Date	5/19/2014
Test Code	347
Reject Criteria	Received room temperature, received refrigerated, hemolysis, received thawed Remove: Thawed plasma
Specimen Stability	Room temperature and Refrigerated: Unacceptable Frozen -20° C: 14 days Frozen -70° C: 1 year
Set-up/Analytic Time	Set up: Mon-Fri; Report available: 2-4 days
Performing Site	Quest Diagnostics Nichols Institute, San Juan Capistrano

Hepatitis C Viral RNA Genotype, LiPA	
Effective Date	5/19/2014
Test Code	37811
Specimen Requirements	Preferred: 2 mL (0.6 mL minimum) plasma collected in PPT Potassium EDTA (white-top) tube Acceptable: 2 mL (0.6 mL minimum) serum
Instructions	Separate serum or plasma from whole blood within 24 hours of collection by centrifugation at 800-1600 x g for 20 minutes at room temperature. Transfer the plasma to a properly identified, sterile, polypropylene screw-cap vial and ship refrigerated or frozen.

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Transport Temperature	Refrigerated
Specimen Stability	Room temperature: 72 hours Refrigerated: 14 days Frozen: 42 days
Set-up/Analytic Time	Set up: Mon-Fri; Report available: 3-6 days
Always Message	<p>The method used in this test is RT-PCR and reverse hybridization (Line Probe) of the 5' UTR and core region of the HCV genome.</p> <p>This test was developed and its performance characteristics have been determined by Quest Diagnostics Nichols Institute, San Juan Capistrano. It has not been cleared or approved by the U.S. Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary. Performance characteristics refer to the analytical performance of the test.</p> <p>Quest Diagnostics also offers the AccuType(R) IL28B test, which can help stratify HCV-infected individuals into those who are predisposed to respond more favorably and those who are predisposed to respond less favorably to standard HCV therapy. A favorable IL28B genotype (ie, CC) predicts improved treatment response for individuals infected with HCV genotype 1. Reference: Clin Gastroenterol Hepatol. 2011;9:344-350. To order the IL-28B test please submit a new whole blood sample for test code 90251.</p> <p>http://education.questdiagnostics.com/faq/HCVGenotyping</p>
Assay Category	Laboratory Developed Test ASR Class 1
Performing Site	Quest Diagnostics Nichols Institute, San Juan Capistrano

Histamine Release (Chronic Urticaria)								
Message	**This test is available for New York patient testing.**							
Effective Date	5/19/2014							
Former Test Code	S52240							
Test Code	16838							
Reject Criteria	Gross hemolysis, lipemic or icteric specimen; Sample other than serum; SST							
Instructions	Patients taking calcineurin inhibitors should stop their medication for 72 hours prior to draw.							
Set-up/Analytic Time	Set up: Tue, Thurs; Report available: 4-9 days							
Performing Site	Quest Diagnostics Nichols Institute, San Juan Capistrano							
CPU Mappings	<table border="1"> <thead> <tr> <th>Result Code</th> <th>Result Name</th> <th>Unit of Measure</th> </tr> </thead> <tbody> <tr> <td>86004039</td> <td>Histamine Release</td> <td>%</td> </tr> </tbody> </table>		Result Code	Result Name	Unit of Measure	86004039	Histamine Release	%
Result Code	Result Name	Unit of Measure						
86004039	Histamine Release	%						

HPV Genotypes 16 and 18	
Clinical Significance	Persistent infection with any of the 14 high-risk HPV types increases a woman's risk for progression to dysplasia or cervical cancer. The rate of progression or degree of risk depends on the HPV type. Of all 14 high-risk types, HPV Types 16 and 18 cause more than 60-65% of cervical cancers. This test will identify the presence or absence of HPV Type 16 DNA and/or Type 18 DNA in PreservCyt ThinPrep reflex specimens originally submitted for Digene High-Risk HPV Hybrid Capture 2. Knowledge of the HPV genotype will help physicians diagnose the type of HPV infection and its risk of developing into dysplasia or cervical cancer.
Effective Date	5/19/2014
Former Test Code	S52084
Test Code	19865

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Specimen Requirements	Preferred: 4 mL (2 mL minimum) Residual (PreservCyt®) fluid collected in a liquid cytology (PreservCYT®) Preservative (Thin Prep®) Acceptable: 2 mL (1 mL minimum) Residual SurePath® fluid collected in a TriPath SurePath® vials - post processing of the PAP smear						
Reject Criteria	Cervical swabs in Digene HC Cervical Sampler, Cytoc media w/o cervical brush/broom, Swabs, Digene vials are not acceptable, Unprocessed SurePath vials are not acceptable, Vaginal Swabs						
Set-up/Analytic Time	Set up: Mon, Wed, Fri; Report available: 2-5 days						
Performing Site	Quest Diagnostics Nichols Institute, San Juan Capistrano						
CPU Mappings	<table border="1"> <thead> <tr> <th>Result Code</th> <th>Result Name</th> </tr> </thead> <tbody> <tr> <td>86005017</td> <td>HPV16 DNA, Invader(R)</td> </tr> <tr> <td>86005018</td> <td>HPV18 DNA, Invader(R)</td> </tr> </tbody> </table>	Result Code	Result Name	86005017	HPV16 DNA, Invader(R)	86005018	HPV18 DNA, Invader(R)
Result Code	Result Name						
86005017	HPV16 DNA, Invader(R)						
86005018	HPV18 DNA, Invader(R)						

HSV-2 Inhibition Study, ELISA					
Effective Date	5/19/2014				
Former Test Name	S51626				
Test Code	17171				
CPT Codes	86696				
Specimen Stability	Room temperature: 7 days Refrigerated: 14 days Frozen: 30 days				
Set-up/Analytic Time	Set up: Mon-Fri; Report available: 1-5 days				
Reference Range	Negative				
Always Message	This assay is intended only for samples giving a positive index in the HerpeSelect HSV-2 type-specific IgG screening ELISA. A Positive inhibition study interpretation indicates true HSV-2 specific reactivity, whereas a Negative inhibition study interpretation indicates that the positive screening index was falsely positive.				
Methodology	Enzyme Linked Immunosorbent Immunoassay				
Performing Site	Focus Diagnostics, Inc.				
CPU Mappings	<table border="1"> <thead> <tr> <th>Result Code</th> <th>Result Name</th> </tr> </thead> <tbody> <tr> <td>86000393</td> <td>HSV2 IgG Inhibition,ELISA</td> </tr> </tbody> </table>	Result Code	Result Name	86000393	HSV2 IgG Inhibition,ELISA
Result Code	Result Name				
86000393	HSV2 IgG Inhibition,ELISA				

Legionella Culture	
Clinical Significance	Bacteria in the genus <i>Legionella</i> primarily cause respiratory illness, i.e. either Legionnaires' disease, a systemic illness manifested primarily by pneumonia, or Pontiac fever, a nonpneumonic, influenza-like illness. <i>Legionellae</i> may also cause a variety of other illnesses.
Effective Date	5/19/2014
Former Test Name	<i>Legionella SPP. Culture</i>

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Former Test Code	2404														
Test Code	688														
Specimen Requirements	<p>1 g Lung tissue, fresh (unfixed) tissue, 3 mL (2 mL minimum) bronchial washings, sputum, bronchial alveolar lavage, pleural fluid, nasopharyngeal lavage/wash or tracheal lavage/wash collected in a sterile leak-proof container</p> <p>Remove all other specimen types and collection containers</p>														
Reject Criteria	Expired transport device; environmental sources, received in viral transport media														
Instructions	<p>Lung Biopsy: Place lung biopsy into sterile container.</p> <p>Sputum: Instruct patient to gargle with water and cough deeply to collect deep respiratory specimen in sterile container.</p> <p>Aspirate: Place aspirate or washing into sterile container.</p> <p>Tissue: Add small amount of sterile, non-bacteriostatic, distilled water to prevent drying, if necessary. Do not add saline, because it may be inhibitory.</p>														
Specimen Stability	<p>Room temperature: Unacceptable</p> <p>Refrigerated: 7 days</p> <p>Frozen: Unacceptable</p>														
Set-up/Analytic Time	Set up: Daily; Report available: 7-10 days														
Reference Range	Not isolated														
Methodology	Culture														
Performing Site	Quest Diagnostics Nichols Institute, Valencia														
CPU Mappings	<table border="1"> <thead> <tr> <th>Result Code</th> <th>Type</th> <th>Result Name</th> </tr> </thead> <tbody> <tr> <td>86007404</td> <td>Prompt-Result</td> <td>Specimen Source:</td> </tr> <tr> <td>86010701</td> <td></td> <td>Status</td> </tr> <tr> <td>85996827</td> <td></td> <td>Legionella Culture</td> </tr> </tbody> </table>			Result Code	Type	Result Name	86007404	Prompt-Result	Specimen Source:	86010701		Status	85996827		Legionella Culture
Result Code	Type	Result Name													
86007404	Prompt-Result	Specimen Source:													
86010701		Status													
85996827		Legionella Culture													
Tests Affected	<table border="1"> <thead> <tr> <th>Test Codes:</th> <th>Name:</th> </tr> </thead> <tbody> <tr> <td>P6102E</td> <td>Custom Mission Legionella DFA Panel</td> </tr> </tbody> </table>			Test Codes:	Name:	P6102E	Custom Mission Legionella DFA Panel								
Test Codes:	Name:														
P6102E	Custom Mission Legionella DFA Panel														

Legionella Culture, Environmental	
Clinical Significance	Legionellae are found widespread in water sources, especially in warmer waters of plumbing systems and cooling towers. Infection often occurs through aerosol inhalation of contaminated water.
Effective Date	5/19/2014
Former Test Name	Legionella, Environmental Culture
Former Test Code	S52108
Test Code	37357
CPT Codes	99199
Specimen Requirements	<p>Preferred: 250 mL (100 mL minimum) water collected in a sterile leak-proof container</p> <p>Acceptable: Culture swab of environmental water-related surface in liquid Amies (red-cap) or gel Amies (blue-cap) transport medium.</p>

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	Remove all other specimen types and collection containers. Remove message from acceptable sample type information.												
Instructions	Transport at refrigerated temperatures preferred.												
Transport Temperature	Refrigerated												
Specimen Stability	Room temperature: 48 hours Refrigerated: 7 days Frozen: Unacceptable												
Set-up/Analytic Time	Set up: Mon-Fri; Report available: 7-10 days												
Reference Range	Not isolated												
Methodology	Culture												
Performing Site	Focus Diagnostics, Inc.												
CPU Mappings	<table border="1"> <thead> <tr> <th>Result Code</th> <th>Type</th> <th>Result Name</th> </tr> </thead> <tbody> <tr> <td>86007404</td> <td>Prompt-Result</td> <td>Specimen Source:</td> </tr> <tr> <td>86010706</td> <td></td> <td>Status</td> </tr> <tr> <td>85991838</td> <td></td> <td>Legionella Culture</td> </tr> </tbody> </table>	Result Code	Type	Result Name	86007404	Prompt-Result	Specimen Source:	86010706		Status	85991838		Legionella Culture
Result Code	Type	Result Name											
86007404	Prompt-Result	Specimen Source:											
86010706		Status											
85991838		Legionella Culture											

Legionella pneumophila Antigen, DFA	
Clinical Significance	Bacteria in the genus <i>Legionella</i> primarily cause respiratory illness, i.e. either Legionnaires' disease, a systemic illness manifested primarily by pneumonia, or Pontiac fever, a nonpneumonic, influenza-like illness. <i>Legionellae</i> may also cause a variety of other illnesses.
Effective Date	5/19/2014
Former Test Name	<i>Legionella Pneumophila Ag Detection</i>
Former Test Code	2422
Test Code	34475
Specimen Requirements	1 g Lung tissue or fresh (unfixed) tissue, 3 mL (2 mL minimum) bronchial washings, sputum, bronchial alveolar lavage, pleural fluid, nasopharyngeal lavage/wash or tracheal lavage/wash collected in sterile leak-proof container Remove all other specimen types and collection containers
Reject Criteria	Expired transport device; environmental sources, received in viral transport media
Instructions	Lung Biopsy: Place lung biopsy into sterile container. Sputum: Instruct patient to gargle with water and cough deeply to collect deep respiratory specimen in sterile container. Aspirate: Place aspirate or washing into sterile container. Tissue: Add small amount of sterile, non-bacteriostatic, distilled water to prevent drying, if necessary. Do not add saline, because it may be inhibitory.
Specimen Stability	Room temperature: Unacceptable Refrigerated 7 days Frozen: Unacceptable
Set-up/Analytic Time	Set up: Daily; Report available 1-2 days
Reference Range	Not detected
Methodology	Direct Immunofluorescence Assay (DFA)
Performing Site	Quest Diagnostics Nichols Institute, Valencia

CPU Mappings	Result Code	Type	Result Name
	86007404	Prompt-Result	Specimen Source:
	45058310		L. pneumophila Ag, DFA
Tests Affected	Test Codes:	Name:	
	P6102E	Custom Mission Legionella DFA Panel	

<i>Mycoplasma hominis/Ureaplasma Culture</i>	
Clinical Significance	<i>Ureaplasma urealyticum</i> and <i>Mycoplasma hominis</i> are primarily associated with genital tract colonization and disease in adults and respiratory tract colonization and disease in newborns. Though controversial, these organisms have been associated with endometritis, chorioamnionitis, premature rupture of membranes, stillbirth, premature birth, low birth weight, post-partum infections, and infertility. Of particular concern is the causal relationship between central nervous system infections in the premature newborn and <i>U. urealyticum</i>.
Effective Date	5/19/2014
Former Test Name	<i>Ureaplasma Urealyticum/Mycoplasma hominis Culture</i>
Former Test Code	2408
Test Code	871
Specimen Requirements	<p>Preferred: (1 mL or 1 swab minimum) Urogenital (vaginal, cervical, urethral swabs or vaginal secretions) collected in VCM medium (green-cap) tube or equivalent (UTM) container.</p> <p>Acceptable: Urine, sterile body fluids, tissue, wounds (swab), respiratory (sputum, bronchial washing, tracheobronchial secretions, bronchial alveolar lavage, nasopharyngeal or throat swabs) collected in a VCM medium (green-cap) tube or equivalent (UTM) container (see instructions).</p> <p>Remove all other specimen types and collection containers</p>
Reject Criteria	Specimens collected on wooden shafted swabs, or cotton swabs; specimens received in expired transport medium; tissue specimens in formalin; urine containing any preservatives; specimens received in M4RT transport medium; raw specimens
Instructions	<p>Ship on dry ice. Urine: Client should centrifuge urine at 3000 rpm for 15 minutes. Suspend sediment in VCM or equivalent transport media. If the specimen is not centrifuged, submit a 1:1 volume of urine in VCM or equivalent transport media. Submit a 1:1 volume of sterile body fluids, tissue, respiratory (sputum, bronchial washing, tracheobronchial secretions, bronchial alveolar lavage) in VCM or equivalent transport media. Respiratory samples are only acceptable from children under 1 year old. NOTE: Do not use M4RT; the room temperature formula cannot be used for <i>mycoplasma</i>.</p>
Transport Temperature	Frozen -70° C on dry ice
Specimen Stability	<p>Room temperature: Unacceptable Refrigerated: 48 hours Frozen -20° C: Unacceptable Frozen -70° C: 30 days</p>
Reference Range	Not isolated
Methodology	Culture
Performing Site	Quest Diagnostics Nichols Institute, Valencia

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CPU Mappings	Result Code	Type	Result Name
	86007404	Prompt-Result	Specimen Source:
	86010702		Status
	86010707		Mycoplasma hominis
	86010708		Ureaplasma species
Tests Affected	Test Codes:	Name:	
	2399	Mycoplasma hominis Culture	
	2429	Ureaplasma urealyticum Culture	

<i>Mycoplasma pneumoniae</i> Culture			
Clinical Significance	<i>Mycoplasma pneumoniae</i> is one of the principal etiologic agents responsible for primary atypical pneumonia (often called walking pneumonia) as well as more mild forms of upper respiratory illness. Primary atypical pneumonia may be a severely debilitating disease and may infect otherwise healthy individuals.		
Effective Date	5/19/2014		
Former Test Code	2406		
Test Code	34270		
Specimen Requirements	<p>Preferred: Throat swab collected in VCM medium (green-cap) tube or equivalent (UTM) container</p> <p>Acceptable: Lung tissue, pleural fluid, pericardial fluid collected in VCM medium (green-cap) tube or equivalent (UTM) container, nasopharyngeal aspirate or swab, bronchial lavage/wash (1 mL or 1 swab minimum) collected in a VCM medium (green-cap) tube or equivalent (UTM) container.</p> <p>Remove all other specimen types and collection containers</p>		
Reject Criteria	Received in M4RT; sputum		
Instructions	<p>Ship on dry ice. Submit a 1:1 volume of lung tissue, pleural, pericardial, nasopharyngeal aspirate or swab, bronchial lavage/wash in VCM or equivalent transport media. For genital specimens refer to test 871- <i>Mycoplasma hominis/Ureaplasma</i> Culture. Note: PCR is the optimal method for detection of <i>Mycoplasma pneumoniae</i>.</p>		
Transport Temperature	Frozen -70° C on dry ice		
Specimen Stability	<p>Room temperature: Unacceptable Refrigerated: 48 hours Frozen -20° C: Unacceptable Frozen -70° C: 30 days</p>		
Set-up/Analytic Time	Set up: Daily; Report available: 3-4 weeks		
Reference Range	Not isolated		
Methodology	Culture		
Performing Site	Quest Diagnostics Nichols Institute, Valencia		
CPU Mappings	Result Code	Type	Result Name

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	86007404	Prompt-Result	Specimen Source:
	86010705		Status
	85993084		M. pneumoniae Culture

Protein Electrophoresis, Serum with Total Protein and Reflex to IFE, Serum				
Effective Date	5/19/2014			
Test Code	10269			
Set-up/Analytic Time	Set up: Sun-Fri; Report available: 5-7 days			
Reference Range	Protein, Total, Serum:	Males (g/dL)	Females (g/dL)	
	<1 month:	4.1-6.3	4.2-6.2	
	1-5 months:	4.7-6.7	4.4-6.6	
	6-11 months:	5.5-7.0	5.6-7.9	
	1-19 years:	6.3-8.2	6.3-8.2	
	>19 years:	6.1-8.1	6.1-8.1	
	Protein Electrophoresis, Serum			
	Albumin:	3.5-4.7 g/dL		
	Alpha-1-Globulin:	0.1-0.3 g/dL		
	Alpha-2-Globulin:	0.5-1.0 g/dL		
	Beta Globulin:	0.8-1.4 g/dL		
	Gamma Globulin:	0.6-1.6 g/dL		
	Abnormal Protein Band 1:	None Detected		
	Abnormal Protein Band 2:	None Detected		
	Abnormal Protein Band 3:	None Detected		
Interpretation:	No Reference Range available			
Immunofixation, Serum:	No monoclonal proteins detected			
Performing Site	Quest Diagnostics Nichols Institute, San Juan Capistrano			

PTH, Intact, Fine Needle Aspirate	
Effective Date	5/19/2014
Former Test Code	S52057
Test Code	16560
Specimen Requirements	<p>Preferred: 1 mL (0.8 mL minimum) Fine needle aspirate collected in a sterile transport tube</p> <p>Acceptable: 1 mL (0.8 mL minimum) Node washings collected in a sterile transport tube or Saline node washings</p>

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Reject Criteria	Glass tubes								
Instructions	A 25-gauge needle is inserted obliquely within the transducer plane of view and moved back and forth through the nodule to compensate for patient movement and needle deflection. There is no suction device; cells move into the needle via capillary action. Three to six separate passes are performed, each with a new needle. After collection of the cytology samples, each FNA needle is then washed with 0.1-0.5 mL of normal saline; the washes from all needles are pooled (final volume 1 mL) and immediately frozen, and then transported to the laboratory directly. If the mass is determined a priori cystic, there is no need to use normal saline in the syringe as the cyst contents are directly aspirated, pooled into a tube and frozen for transport to the laboratory.								
Set-up/Analytic Time	Set up: Tue-Sat; Report available: 2-5 days								
Performing Site	Quest Diagnostics Nichols Institute, San Juan Capistrano								
CPU Mappings	<table border="1"> <thead> <tr> <th>Result Code</th> <th>Result Name</th> <th>Unit of Measure</th> </tr> </thead> <tbody> <tr> <td>86003412</td> <td>PTH, Intact, FNA</td> <td>pg/mL</td> </tr> </tbody> </table>			Result Code	Result Name	Unit of Measure	86003412	PTH, Intact, FNA	pg/mL
Result Code	Result Name	Unit of Measure							
86003412	PTH, Intact, FNA	pg/mL							

Discontinued Tests

<i>Clostridium difficile</i> Toxin A and B, EIA	
Effective Date	5/5/2014
Test Code	7670
Additional Information	Please note: Orders for 7670- <i>Clostridium difficile</i> Toxin A and B, EIA, will automatically be replaced with test code 91664- <i>Clostridium difficile</i> Toxin/GDH with Reflex to PCR

Amoxicillin Level, BA	
Effective Date	5/5/2014
Test Code	S44060
Additional Information	The recommended alternative is test code 91971 Amoxicillin, HPLC in the New Test Offerings section.

Doxycycline Level, BA	
Effective Date	5/5/2014
Test Code	S43490
Additional Information	The recommended alternative is test code 91970 Doxycycline, HPLC in the New Test Offerings section.

Fetal Fibronectin	
Effective Date	5/5/2014
Test Code	38226 [1440]
Additional Information	This test will be discontinued, there is no recommended alternative.

Humoral Immune Evaluation (Pneumo 14) & H. Flu B, Pre/Post	
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Effective Date	5/5/2014
Test Code	1146P
Additional Information	This test is being discontinued due to low volume. There is no recommended alternative.

Humoral Immune Evaluation (Pneumo 14) Pre/Post	
Effective Date	5/5/2014
Test Code	1143P
Additional Information	This test is being discontinued due to low volume. There is no recommended alternative.

Humoral Immune Evaluation (Pneumo 23) & H. Flu B, Pre/Post	
Effective Date	5/5/2014
Test Code	1088P
Additional Information	This test is being discontinued due to low volume. There is no recommended alternative.

Humoral Immune Evaluation (Pneumo 23) Pre/Post	
Effective Date	5/5/2014
Test Code	1049P
Additional Information	This test is being discontinued due to low volume. There is no recommended alternative.

Humoral Immune Evaluation (Pneumo 7) & H. Flu B, Pre/Post	
Effective Date	5/5/2014
Test Code	1087P
Additional Information	This test is being discontinued due to low volume. There is no recommended alternative.

Humoral Immune Status (Pneumo 14), Pre/Post	
Effective Date	5/5/2014
Test Code	1148P
Additional Information	This test is being discontinued due to low volume. There is no recommended alternative.

Humoral Immune Status Survey (Pneumo 7), Pre/Post	
Effective Date	5/5/2014
Test Code	1147P
Additional Information	This test is being discontinued due to low volume. There is no recommended alternative.

Humoral Immune Evaluation (Pneumo 7), Pre/Post	
Effective Date	5/5/2014
Test Code	1047P

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Additional Information	This test is being discontinued due to low volume. There is no recommended alternative.
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Humoral Immuno Status Survey (Pneumo 23), Pre/Post	
Effective Date	5/5/2014
Test Code	1149P
Additional Information	This test is being discontinued due to low volume. There is no recommended alternative.

Substance P, EIA	
Effective Date	5/5/2014
Test Code	S51356
Additional Information	The recommended alternative is Substance P, performed by Cambridge Biomedical, Inc., please send directly to Cambridge Biomedical Inc.

Borrelia burgdorferi IgG & IgM Antibodies [EIA]	
Effective Date	5/12/2014
Test Code	8941
Additional Information	The recommended alternative is test code 6646-Lyme Disease Ab with Reflex Blot (IgG, IgM) in the Test Change section.

Borrelia burgdorferi IgG & IgM Antibodies EIA & Immunoblot					
Effective Date	5/12/2014				
Test Code	7716				
Additional Information	The recommended alternative is test code 6646-Lyme Disease Ab with Reflex Blot (IgG, IgM) in the Test Change section.				
Tests Affected	<table border="1"> <thead> <tr> <th>Test Codes:</th> <th>Name:</th> </tr> </thead> <tbody> <tr> <td>7716B</td> <td>Borrelia burgdorferi IgG & IgM Antibodies EIA & Immunoblot+Bands</td> </tr> </tbody> </table>	Test Codes:	Name:	7716B	Borrelia burgdorferi IgG & IgM Antibodies EIA & Immunoblot+Bands
Test Codes:	Name:				
7716B	Borrelia burgdorferi IgG & IgM Antibodies EIA & Immunoblot+Bands				

Borrelia burgdorferi IgG & IgM Abs w/reflex to Immunoblot + Bands [CDC]					
Effective Date	5/12/2014				
Test Code	8942				
Additional Information	The recommended alternative is test code 6646-Lyme Disease Ab with Reflex Blot (IgG, IgM) in the Test Change section.				
Tests Affected	<table border="1"> <thead> <tr> <th>Test Codes:</th> <th>Name:</th> </tr> </thead> <tbody> <tr> <td>8942NY</td> <td>Borrelia burgdorferi IgG & IgM w/reflex IB+Bands [NY]</td> </tr> </tbody> </table>	Test Codes:	Name:	8942NY	Borrelia burgdorferi IgG & IgM w/reflex IB+Bands [NY]
Test Codes:	Name:				
8942NY	Borrelia burgdorferi IgG & IgM w/reflex IB+Bands [NY]				

Borrelia burgdorferi IgG Antibodies	
Effective Date	5/12/2014
Test Code	8951

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Additional Information	The recommended alternative is test code 6646-Lyme Disease Ab with Reflex Blot (IgG, IgM) in the Test Change section.
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<i>Borrelia burgdorferi</i> IgG Antibody with Reflex to IB + Bands [NY]	
Effective Date	5/12/2014
Test Code	8947NY
Additional Information	The recommended alternative is test code 6646-Lyme Disease Ab with Reflex Blot (IgG, IgM) in the Test Change section.

<i>Borrelia burgdorferi</i> IgM Antibodies	
Effective Date	5/12/2014
Test Code	8961
Additional Information	There is no recommended alternative.

<i>Borrelia burgdorferi</i> IgM Antibody with Reflex IB + Bands [NY]	
Effective Date	5/12/2014
Test Code	8948NY
Additional Information	There is no recommended alternative.

Hydroxyprogesterone, 17 Alpha							
Effective Date	5/12/2014						
Test Code	3190						
Additional Information	The recommended alternative is 17180 - Hydroxyprogesterone, LC/MS/MS in the New Test section.						
Tests Affected	<table border="1"> <thead> <tr> <th>Test Codes:</th> <th>Name:</th> </tr> </thead> <tbody> <tr> <td>P9105BE</td> <td>Custom NMH 17-OH Progesterone 60 min Post Stimulation</td> </tr> <tr> <td>P36981J</td> <td>Custom SML Hydroxyprogesterone 3 Specimens</td> </tr> </tbody> </table>	Test Codes:	Name:	P9105BE	Custom NMH 17-OH Progesterone 60 min Post Stimulation	P36981J	Custom SML Hydroxyprogesterone 3 Specimens
Test Codes:	Name:						
P9105BE	Custom NMH 17-OH Progesterone 60 min Post Stimulation						
P36981J	Custom SML Hydroxyprogesterone 3 Specimens						

Intrinsic Factor Blocking Autoantibodies	
Effective Date	5/12/2014
Test Code	3196
Additional Information	The recommended alternative is 568 - Intrinsic Factor Blocking Antibody, in the New Test Section

Kidney Stone Risk AssessR™	
Effective Date	5/12/2014
Test Code	90523 [4168]
Additional Information	<p>The recommended alternatives are:</p> <ul style="list-style-type: none"> • 5510-StoneRisk® Diagnostic Profile • 5515-UroRisk® Diagnostic Profile

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Thyroxine Free, Direct Dialysis					
Effective Date	5/12/2014				
Test Code	3954				
Additional Information	The recommended alternative are both: 35167 - T4, Free, Direct Dialysis in the New Test section and 3226 - Thyroxine (T4)				
Tests Affected	<table border="1"> <thead> <tr> <th>Test Codes:</th> <th>Name:</th> </tr> </thead> <tbody> <tr> <td>P35859C</td> <td>Custom CLM Thyroxine Free, Direct Dialysis w/o T4</td> </tr> </tbody> </table>	Test Codes:	Name:	P35859C	Custom CLM Thyroxine Free, Direct Dialysis w/o T4
	Test Codes:	Name:			
P35859C	Custom CLM Thyroxine Free, Direct Dialysis w/o T4				

Triiodothyronine Free, Dialysis	
Effective Date	5/12/2014
Test Code	3225
Additional Information	The recommended alternative is 36598 - T3, Free, Tracer Dialysis in the New Test section

Bordetella pertussis Culture and DFA	
Effective Date	5/19/2014
Test Code	2430
Additional Information	The recommended alternatives are: <ul style="list-style-type: none"> ● 5260-Bordetella pertussis/parapertussis, Culture ● 34966-Bordetella pertussis/parapertussis Smear, DFA

Epstein-Barr Virus Nuclear AG (EBNA) IgM ABS	
Effective Date	5/19/2014
Test Code	2271
Additional Information	The recommended alternative is test code 2121- Epstein-Barr Virus Viral Capsid Ag (VCA) IgM Abs.

Febrile Agglutinins Panel	
Effective Date	5/19/2014
Test Code	S50359
Additional Information	The recommended alternative is test code 91121- Febrile Antibodies Panel in the New Test Offering section.

Legionella Culture and Antigen Detection, DFA	
Effective Date	5/19/2014
Test Code	2432
Additional Information	The recommended alternatives are:

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- 688 - *Legionella* Culture
- 34475 - *Legionella pneumophila*, DFA

Test Send Outs (Referrals)

Due to these assays being performed by outside vendors, we are unable to use our normal method of communication. Some of the changes listed in this document may be effective in less than 30 days. Please note the individual effective dates below, as these changes may require **IMMEDIATE ACTION**.

Tiagabine, Serum/Plasma					
Effective Date	5/5/2014				
Former Test Code	S48484				
Test Code	30333				
Transport Temperature	Room temperature				
Specimen Stability	Room temperature and Refrigerated: 30 days Frozen: 48 months				
CPU Mappings	<table border="1"> <thead> <tr> <th>Result Code</th> <th>Result Name</th> </tr> </thead> <tbody> <tr> <td>85981860</td> <td>Tiagabine, Serum/Plasma</td> </tr> </tbody> </table>	Result Code	Result Name	85981860	Tiagabine, Serum/Plasma
Result Code	Result Name				
85981860	Tiagabine, Serum/Plasma				

Titanium, Serum/Plasma					
Effective Date	5/5/2014				
Former Test Code	S49212				
Test Code	8331X				
Transport Temperature	Room temperature				
Set-up/Analytic Time	Set up: Tues; Report available: 1 day				
Reference Range	The normal value for titanium is generally less than 5 mcg/L. In patients with a titanium-based implant/prosthesis, a serum concentration greater than 10 mcg/L may be indicative of wear. However, a reported titanium value alone is not predictive of prosthesis wear or failure.				
CPU Mappings	<table border="1"> <thead> <tr> <th>Result Code</th> <th>Result Name</th> </tr> </thead> <tbody> <tr> <td>85358600</td> <td>Titanium, Serum/Plasma</td> </tr> </tbody> </table>	Result Code	Result Name	85358600	Titanium, Serum/Plasma
Result Code	Result Name				
85358600	Titanium, Serum/Plasma				

ADAMTS13 Activity	
Effective Date	5/19/2014
Test Code	S50352
Additional Information	This test will be discontinued, the recommended alternative is test code 14532- ADAMTS13 Activity with Reflex to Inhibitor in the New Test Offering section.

Neuromyelitis Optica (NMO)/Aquaporin-4-IgG Cell-Binding Assay, CSF					
Clinical Significance	Diagnosis of a neuromyelitis optica spectrum disorder (NMOSD). Distinguishing NMOSD from multiple sclerosis early in the course of disease.				
Effective Date	5/19/2014				
Test Code	61716				
CPT Codes	86255				
Specimen Requirements	1 mL (0.5 mL minimum) CSF collected in a sterile vial				
Reject Criteria	Gross hemolysis; grossly icterus				
Instructions	Include relevant clinical information, name, phone number, mailing address, and e-mail address (if applicable) of ordering physician.				
Transport Temperature	Refrigerated				
Specimen Stability	Room temperature: 72 hours Refrigerated and Frozen: 28 days				
Set-up/Analytic Time	Set up: Mon-Fri; Report available: 3-6 days				
Reference Range	Negative				
Methodology	CBA, IFA				
CPU Mappings	<table border="1"> <thead> <tr> <th>Result Code</th> <th>Result Name</th> </tr> </thead> <tbody> <tr> <td>113833</td> <td>NMO/AQP4-IgG CBA, CSF</td> </tr> </tbody> </table>	Result Code	Result Name	113833	NMO/AQP4-IgG CBA, CSF
Result Code	Result Name				
113833	NMO/AQP4-IgG CBA, CSF				

Neuromyelitis Optica IgG, CSF	
Effective Date	5/19/2014
Test Code	S51106
Additional Information	This test will be discontinued, the recommended alternative is test code 61716- Neuromyelitis Optica (NMO)/Aquaporin-4 IgG Cell-Binding, CSF