



# LABORATORY UPDATE

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The CPT Codes provided in this document are based on AMA guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payor being billed. Any Profile/panel component may be ordered separately. Reflex tests are performed at an additional charge.



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DLO is pleased to inform you of the following new and updated laboratory testing information:

**Reminder for sample volume for new HIV-1 RNA Platform**

**Test:** HIV-1 RNA, Quantitative, Real-Time PCR

**Test Code:** 40085X

**Sample Volume Requirements:** Please note: the preferred sample volume for this test is 3.0 mL of plasma. It is essential that each client submit sufficient specimen in order for the test to be performed. To avoid unnecessary test cancellations due to an inadequate volume of sample, please make every effort to comply with this sample requirement. The minimum sample volume is 1.1 mL, but **3.0 mL of plasma is preferred.**

**Test Changes**

**Reflex criteria for TSH, 3<sup>rd</sup> generation with reflex to Free T4**

Effective August 4, 2008, the reflex criteria for TSH, 3<sup>rd</sup> generation with reflex to Free T4 (Test Code 36127) for patients 19 years or under will change. For these patients, TSH values less than 0.50 mIU/L or greater than 4.30 mIU/L will have a Free T4 performed at an additional charge (CPT: 84439). Adult patient reflex criteria will continue to reflex based upon the adult TSH reference range.

<b>T3, Total</b>		
Clinical Significance:	Total T3 measurements are used to diagnose and monitor treatment of hyperthyroidism and are essential for recognizing T3 toxicosis.	
Effective Date:	<b>August 4, 2008</b>	
Test Code:	<b>859</b>	
Specimen Stability:	<b>Room temperature: 7 days; Refrigerated: 7 days; Frozen: 28 days</b>	
Reference Ranges:	< 1 year	Reference Range Not Established
	1 – 9 years	127 – 221 ng/dL
	10 – 13 years	123 – 211 ng/dL
	14 – 18 years	97 – 186 ng/dL
	<b>&gt; 18 years</b>	<b>97 – 219 ng/dL</b>
Additional Information:	Update stability and adult reference range.	

## Redirects

<b>StoneRisk® Diagnostic Profile</b>	
Effective Date:	August 4, 2008
Test Code:	442
CPT Code(s):	82340, 83945, 84560, 82507, 83986, 84300, 84392, 84105, 83735, 82570, 84133, 82140
Specimen Requirements:	60.0 mL plain urine and 60.0 mL acid urine Using only the Quest Diagnostics 24-hour Urine Collection kits specific for renal stone formation diagnosis. Follow collection instructions in it.
Transport Temperature:	Room temperature
Specimen Stability:	Room temperature and Refrigerated: 7 days; Frozen : Unacceptable
Assay Category:	Research Use Only
Additional Information:	<a href="#">This test, previously performed at Mission Pharmacal Labs, will now be performed at Specialty Laboratories.</a>
<b>UroRisk® Diagnostic Profile</b>	
Effective Date:	August 4, 2008
Test Code:	15565
CPT Code(s):	82340, 83945, 84560, 82507, 83986, 84300, 84105, 83735, 82570, 84133
Specimen Requirements:	60.0 mL plain urine and 60.0 mL acid urine Using only the Quest Diagnostics 24-hour Urine Collection kits specific for renal stone formation diagnosis. Follow collection instructions in it.
Transport Temperature:	Room temperature
Specimen Stability:	Room temperature and Refrigerated: 7days; Frozen : Unacceptable
Assay Category:	Research Use Only
Additional Information:	<a href="#">This test, previously performed at Mission Pharmacal Labs, will now be performed at Specialty Laboratories.</a>
<b>Biotinidase</b>	
Effective Date:	August 11, 2008
Former Test Code:	20538
Test Code:	70132
Specimen Requirements:	2 mL SST (red-top/plastic) serum (minimum: 1 mL) Whole blood is not an acceptable specimen type. Separate serum/plasma within one hour of collection and store at minimum -20 degrees or below. Use dry ice for shipment.
Transport Temperature:	Frozen
Specimen Stability:	Room temperature and Refrigerated: Unacceptable; Frozen: 30 days
Reference Ranges:	5.1-11.9 nmol/mL/min
Methodology:	Enzymatic, Colorimetric
Additional Information:	This test formerly performed at Mayo Medical Laboratories, will now be performed at Quest Diagnostics Nichols Institute, San Juan Capistrano

<b>Olanzapine (Zyprexa®)</b>	
<b>Effective Date:</b>	<b>August 11, 2008</b>
<i>Former Test Code:</i>	<i>34400</i>
<b>Test Code:</b>	<b>70073</b>
<b>Specimen Requirements:</b>	<b>3 mL no additive (red-top) serum (minimum 2 mL)</b>
<b>Specimen Stability:</b>	<b>Room temperature and Refrigerated: Unacceptable; Frozen: 56 days</b>
<b>Reference Ranges:</b>	5.0-75.0 ng/mL <b>Reference range for steady-state trough concentration for patients receiving 5 to 10 mg per day. Steady-state is reached in one week after the start of the therapy.</b>
<b>Assay Category:</b>	<b>Laboratory Developed Test</b>
<b>Additional Information:</b>	<b>This test, previously performed at NMS Labs, will now be performed at Specialty Laboratories.</b>

**Quest Diagnostics Nichols Institute (San Juan Capistrano and Chantilly),  
Focus Diagnostics, Inc. and Specialty Laboratories**

**New Tests**

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

<b>MPL W515 and MPL S505 Mutation Analysis, Qualitative, Leumeta</b>		
<b>Clinical Significance:</b>	Diagnose essential thrombocythemia or idiopathic myelofibrosis in patients with a negative JAK2 V617F test result.	
<b>Effective Date:</b>	<b>Now available</b>	
<b>Test Code:</b>	<b>16184</b>	
<b>CPT Code(s):</b>	<b>83891, 83902, 83898, 83904 (x2), 83912</b>	
<b>Specimen Requirements:</b>	<b>6 mL EDTA preservative whole blood</b>	
<b>Transport Temperature:</b>	<b>Refrigerated (Plasma: Frozen)</b>	
<b>Specimen Stability:</b>	<b>Whole blood and bone marrow:</b>	<b>Plasma:</b>
	<b>Room temperature: 72 hours</b>	<b>Room temperature: 48 hours</b>
	<b>Refrigerated: 7 days</b>	<b>Refrigerated: 72 hours</b>
	<b>Frozen: Unacceptable</b>	<b>Frozen: 30 days</b>
<b>Reference Ranges:</b>	<b>MPL W515 Mutation: Negative</b> <b>MPL S505 Mutation: Negative</b>	
<b>Methodology:</b>	<b>Polymerase Chain Reaction, Bidirectional Sequencing</b>	
<b>Assay Category:</b>	<b>Laboratory Developed Test</b>	
<b>Performing Site:</b>	<b>Quest Diagnostics Nichols Institute, San Juan Capistrano</b>	

**Febrile Antibodies Panel***Includes: Weil-Felix Test, DA; Salmonella, Total Antibody, EIA (see individual listing); Brucella Antibodies (IgG, IgM), Serum*

Clinical Significance:	See individual assays
<b>Effective Date:</b>	<b>August 18, 2008</b>
Test Code:	<b>70141</b>
CPT Code(s):	<b>86000 (x3), 86768 (x5), 86622 (x2)</b>
Specimen Requirements:	<b>1 mL serum</b>
Transport Temperature:	<b>Room temperature</b>
Specimen Stability:	<b>Room temperature: 7 days; Refrigerated: 14 days; Frozen: 30 days</b>
Reference Ranges:	<b>See individual assays</b>
Methodology:	<b>Direct Agglutination, Immunoassay, Enzyme Linked Immunosorbent Assay</b>
Assay Category:	<b>Laboratory Developed Test</b>
Performing Site:	Focus Diagnostics, Inc.

**Febrile Antibodies and Francisella Panel***Includes: Weil-Felix Test, DA; Salmonella, Total Antibody, EIA (see individual listing); Brucella Antibodies (IgG, IgM), Serum; Francisella Tularensis Antibody, DA*

Clinical Significance:	See individual assays
<b>Effective Date:</b>	<b>August 18, 2008</b>
Test Code:	<b>70142</b>
CPT Code(s):	<b>86000 (x4), 86768 (x5), 86622 (x2),</b>
Specimen Requirements:	<b>1 mL serum</b>
Transport Temperature:	<b>Frozen</b>
Specimen Stability:	<b>Room temperature: 7 days; Refrigerated: 14 days; Frozen: 30 days</b>
Reference Ranges:	<b>See individual assays</b>
Methodology:	<b>Direct Agglutination, Immunoassay, Enzyme Linked Immunosorbent Assay</b>
Assay Category:	<b>Laboratory Developed Test</b>
Performing Site:	Focus Diagnostics, Inc.

**Salmonella and Brucella Panel***Includes: Salmonella, Total Antibody, EIA (see individual listing); Brucella Antibodies (IgG, IgM), Serum*

Clinical Significance:	See individual assays
<b>Effective Date:</b>	<b>August 18, 2008</b>
Test Code:	<b>70140</b>
CPT Code(s):	<b>86768 (x5), 86622 (x2)</b>
Specimen Requirements:	<b>1 mL serum</b>
Transport Temperature:	<b>Room temperature</b>
Specimen Stability:	<b>Room temperature: 7 days; Refrigerated: 14 days; Frozen: 30 days</b>
Reference Ranges:	<b>See individual assays</b>
Methodology:	<b>Immunoassay, Enzyme Linked Immunosorbent Assay</b>
Assay Category:	<b>Laboratory Developed Test</b>
Performing Site:	Focus Diagnostics, Inc.

<b>StoneRisk® Citrate Test</b>			
Clinical Significance:	The custom StoneRisk® Citrate test is designed to measure urinary citrate in kidney stone patients with hypocitraturia or suspected hypocitraturia.		
Effective Date:	<b>August 4, 2008</b>		
Test Code:	<b>15568</b>		
CPT Code(s):	<b>82507, 82570</b>		
Specimen Requirements:	60.0 mL plain urine and 60.0 mL acid urine <b>Using only the Quest Diagnostics 24-hour Urine Collection kits specific for renal stone formation diagnosis. Follow collection instructions in it.</b>		
Transport Temperature:	<b>Room temperature</b>		
Specimen Stability:	<b>Room temperature and Refrigerated: 7 days; Frozen : Unacceptable</b>		
Reference Ranges:	Citrate Urine:	170-1266	mg/day
	Total Urine Volume:		L/day
	Creatinine Urine:	Male: 800-2000	mg/day
		Female: 600-1800	mg/day
Methodology:	Spectrophotometry, Calculation		
Assay Category:	<b>Research Use Only</b>		
Additional Information:	<a href="#">This test will be performed at Specialty Laboratories.</a>		
<b>StoneRisk® Cystine Test</b>			
Clinical Significance:	The StoneRisk® Cystine test is a quantitative analysis of urinary cystine that measures urinary risk factors for kidney stone formation.		
Effective Date:	<b>August 4, 2008</b>		
Test Code:	<b>15569</b>		
CPT Code(s):	<b>82131, 82570</b>		
Specimen Requirements:	60.0 mL plain urine and 60.0 mL acid urine <b>Using only the Quest Diagnostics 24-hour Urine Collection kits specific for renal stone formation diagnosis. Follow collection instructions in it.</b>		
Transport Temperature:	<b>Room temperature</b>		
Specimen Stability:	<b>Room temperature and Refrigerated: 7 days; Frozen : Unacceptable</b>		
Reference Ranges:	Cystine:	10-100	mg/day
	Total Urine Volume:		L/day
	Creatinine Urine:	Male: 800-2000	mg/day
		Female: 600-1800	mg/day
Methodology:	Ion Chromatography, Calculation, Spectrometry		
Assay Category:	<b>Laboratory Developed Test</b>		
Additional Information:	<a href="#">This test will be performed at Specialty Laboratories.</a>		

<b>StoneTrack® Diagnostic Monitoring Test</b>			
Clinical Significance:	This panel is recommended to track recurrent stone formers and for monitoring patient progress and compliance to therapy.		
Effective Date:	<b>August 4, 2008</b>		
Test Code:	<b>15567</b>		
CPT Code(s):	<b>82340, 83945, 84560, 82507, 83986, 84300, 82570, 84133</b>		
Specimen Requirements:	60.0 mL plain urine and 60.0 mL acid urine <b>Using only the Quest Diagnostics 24-hour Urine Collection kits specific for renal stone formation diagnosis. Follow collection instructions in it.</b>		
Transport Temperature:	<b>Room temperature</b>		
Specimen Stability:	<b>Room temperature and Refrigerated: 7 days; Frozen : Unacceptable</b>		
Reference Ranges:	Calcium Urine :	mg/day	
	Oxalate Urine:	mg/day	
	Uric Acid Urine:	mg/day	
	Citrate Urine:	mg/day	
	pH Urine:	n/a	
	Total Urine Volume:	L/day	
	Sodium Urine:	meq/day	
	Creatinine Urine:	Male: 800-2000 Female: 600-1800	mg/day mg/day
	Potassium Urine:	19-135	meq/day
	Therapy:		
	Dose:		
Date Started:			
Body Weight:			
Methodology:	Inductivity Coupled Plasma Optical, Emission Spectrometry, Ion Chromatography, Calculation		
Assay Category:	<b>Research Use Only</b>		
Additional Information:	<a href="#">This test will be performed at Specialty Laboratories.</a>		

<b>Blastomyces Antibody Panel, Serum</b>	
<i>Includes: Blastomyces Antibody, Complement Fixation, Serum; Blastomyces Antibody, Immunodiffusion, Serum</i>	
Clinical Significance:	Blastomycosis, caused by the fungus blastomyces dermatitidis, occurs most commonly in men ages 20-69 years. Infection may be transient or lead to chronic, progressive pulmonary disease.
<b>Effective Date:</b>	<b>August 11, 2008</b>
Test Code:	<b>70070</b>
CPT Code(s):	86612 (x2)
Specimen Requirements:	<b>1 mL no additive (red-top) or SST (red-top/plastic) serum</b>
Transport Temperature:	<b>Room temperature</b>
Specimen Stability:	<b>Room temperature: 7 days; Refrigerated: 14 days; Frozen: 30 days</b>
Reference Ranges:	<b>BLASTO AB CF: &lt; 1:8</b> <b>BLASTO AB ID: Negative</b>
Methodology:	Complement Fixation, Immunodiffusion
Assay Category:	<b>Laboratory Developed Test</b>
Performing Site:	This test will be performed at Focus Diagnostics, Inc.
Additional Information:	Update test and result name, test code, specimen requirements, stability, transport temperature, assay category, and reference range.

### Focus Diagnostics Redirects

<b>Salmonella Antibodies, EIA</b>	
Clinical Significance:	Salmonella, Total Antibody, detects antibodies to Salmonella typhi, a common cause of gastroenteritis, diarrhea and dysentery. Antibody results should be confirmed with stool or blood cultures.
<b>Effective Date:</b>	<b>August 18, 2008</b>
Test Code:	10582
CPT Code(s):	86768 (x5)
Specimen Requirements:	1 mL serum - <b>Plasma is not an acceptable specimen type.</b>
Transport Temperature:	<b>Room temperature</b>
Specimen Stability:	<b>Room temperature: 7 days; Refrigerated: 14 days; Frozen: 30 days</b>
Reference Ranges:	Salmonella H, Type a: Negative Salmonella H, Type b: Negative Salmonella H, Type d: Negative Salmonella O, Type Vi: Negative Salmonella O, Type D: Negative <b>Antibodies to Salmonella flagellar (H) and somatic (O) antigens typically peak 3-5 weeks after infection. A positive result in assay is equivalent to a titer of <math>\geq 1:160</math> by tube agglutination (Widal). Results should not be considered diagnostic unless confirmed by culture.</b>
Methodology:	Immunoassay
Assay Category:	FDA Approved/Cleared
Performing Site:	This test previously performed at Quest Diagnostics Nichols Institute, will be performed at Focus Diagnostics, Inc.
Additional Information:	Update performing site, acceptable specimen type transport temperature, stability, and always message.

## Test Changes

The following test changes will be effective on the dates indicated below. Please note that only the fields listed in bold type are being changed; former test names and test codes have been italicized. Additional information, regarding the change, will be provided where applicable.

<b>Carnitine, LC/MS/MS</b>		
Clinical Significance:	Serum carnitine analysis is useful in the diagnosis and monitoring of patients with either primary or secondary carnitine deficiency.	
<b>Effective Date:</b>	<b>August 18, 2008</b>	
<i>Former Test Code:</i>	<i>30299</i>	
Test Code:	<b>70107</b>	
Performing Site:	Quest Diagnostics Nichols Institute, San Juan Capistrano	
Additional Information:	Update test code. <b>Please note:</b> 30299RQEZ will be inactivated and replaced with order code 70107.	
<b>Cytomegalovirus (CMV) Genotype</b>		
Clinical Significance:	Treatment of CMV diseases includes three licensed drugs: ganciclovir, foscarnet and cidofovir. All three drugs inhibit the viral DNA polymerase through various mechanisms. Over time, as CMV makes copies of itself, the virus can change its structure. These changes may make CMV resistant to the effects of antiviral drugs. Therefore, it is important to detect resistance as quickly and accurately as possible for proper management of CMV infection.	
<b>Effective Date:</b>	<b>August 18, 2008</b>	
Test Code:	14980	
Transport Temperature:	<b>Frozen</b>	
Specimen Stability:	<b>Plasma, Bronchial lavage/wash (sterile container)</b>	<b>CSF, Bronchial lavage/wash in (M4)</b>
	<b>Room temperature: Not established</b> Refrigerated: 8 days <b>Frozen: 30 days</b>	Room temperature: 24 hours Refrigerated: 24 hours <b>Frozen: 30 days</b>
	<b>Buffy coat, whole blood</b>	
	<b>Room temperature: Not established ; Refrigerated: Not established ; Frozen: 30 days</b>	
Assay Category:	<b>Laboratory Developed Test</b>	
Performing Site:	Quest Diagnostics Nichols Institute, San Juan Capistrano	
Additional Information:	Update transport temperature, specimen stability, assay category, and add LDT always message.	

<b>Cortisol, Total, LC/MS/MS</b>				
Clinical Significance:	Total cortisol concentrations are decreased in Addison's disease and increased in Cushing's disease and in other conditions of glucocorticoid excess.			
Effective Date:	<b>August 18, 2008</b>			
Test Code:	11281			
Reference Range:	Adults Males and Females	<b>8-10 AM</b>	<b>4.6-20.6</b>	mcg/dL
		<b>4-6 PM</b>	<b>1.8-13.6</b>	mcg/dL
		Cortisol Response to ACTH		
			Peak >20.0	mcg/dL
			Peak >16.0 after IM injection	mcg/dL
	Pediatric			
	<b>Premature Infants (31-35 weeks)**</b>		<b>15.0 or Less</b>	mcg/dL
	<b>Term Infants, 3 days old**</b>		<b>14.0 or Less</b>	mcg/dL
	<1 year	Primary data not available		
	<b>1-17 years, AM</b>		<b>2.0-17.0</b>	mcg/dL
ACTH Stimulation**	Baseline	60 Minutes		
<b>1-12 months</b>	<b>3.0-23.0</b>	<b>32.0-60.0</b>	mcg/dL	
<b>1-5 years</b>	<b>6.0-25.0</b>	<b>22.0-40.0</b>	mcg/dL	
<b>6-12 years</b>	<b>3.0-15.0</b>	<b>17.0-28.0</b>	mcg/dL	
Tanner Stages II-III**				
<b>Males</b>	<b>4.0-13.0</b>	<b>15.0-45.0</b>	mcg/dL	
<b>Females</b>	<b>4.0-16.0</b>	<b>16.0-32.0</b>	mcg/dL	
Tanner Stages IV-V**				
<b>Males</b>	<b>5.0-15.0</b>	<b>18.0-27.0</b>	mcg/dL	
<b>Females</b>	<b>6.0-15.0</b>	<b>18.0-35.0</b>	mcg/dL	
**Pediatric data from J Clin Endocrinol Metab (1991) 73:674-686 and J Clin Endocrinol Metab (1989) 69:1133-1136.				
Performing Site:	Quest Diagnostics Nichols Institute, San Juan Capistrano			
Additional Information:	Update reference range. Please note this change also affects the following test codes: 37077-Cortisol, Free and Total, LC/MS/MS; 19573-Aldosterone/Cortisol Ratio, Adrenal Vein Sampling. Please note this test is included in the following group codes: 15269-CAH Panel 1; 15274-CAH Panel 4; 15276-CAH Panel 6; 15279-CAH Panel 8; 15280-CAH Panel 9; 10299-CAH Panel 6B			

### **Drug Screen 6**

Effective Date:	<b>August 18, 2008</b>
Test Code:	19607
Performing Site:	Quest Diagnostics Nichols Institute, Chantilly
Additional Information:	Format change. <a href="#">Added components Hydrocodone and Hydromorphone.</a>

### **10529-Hepatitis B Virus Drug Resistance, Genotype, and BCP/Precore Mutations 11367-HIV-1 gp41 Envelope Genotype**

Effective Date:	<b>August 18, 2008</b>
Assay Category:	<b>Laboratory Developed Test</b>
Performing Site:	Quest Diagnostics Nichols Institute, San Juan Capistrano
Additional Information:	Update assay category and add LDT always message.

<b>LH, Pediatrics</b>				
Clinical Significance:	LH is useful in evaluating gonadal dysfunction and assessing ovulation and infertility. LH is often interpreted with other laboratory tests such as Follicle Stimulating Hormone (FSH).			
Effective Date:	<b>August 18, 2008</b>			
Test Code:	36086			
Reference Range.		<b>Males</b>	<b>Females</b>	<b>Units of measure</b>
	3-7 years	< or = 0.26	< or = 0.26	mIU/mL
	8-9 years	< or = 1.40	< or = 1.40	mIU/mL
	10-11 years	< or = 6.64	< or = 6.64	mIU/mL
	12-14 years	0.85-6.87	0.16-12.31	mIU/mL
	15-17 years	0.90-7.82	0.72-17.62	mIU/mL
	18-20 years	0.95-8.44	2.03-15.40	mIU/mL
<b>Tanner Stages:</b>	<b>I</b>	<b>&lt; or = 0.50</b>	<b>&lt; or = 0.21</b>	<b>mIU/mL</b>
	<b>II</b>	<b>&lt; or = 1.73</b>	<b>&lt; or = 1.79</b>	<b>mIU/mL</b>
	<b>III</b>	<b>0.09-4.09</b>	<b>0.06-7.94</b>	<b>mIU/mL</b>
	<b>IV-V</b>	<b>0.18-10.43</b>	<b>0.14-16.44</b>	<b>mIU/mL</b>
Performing Site:	Quest Diagnostics Nichols Institute, San Juan Capistrano			
Additional Information:	Update reference range.			
<b>von Willebrand Factor Protease Activity with Reflex to Protease Inhibitor</b>				
Clinical Significance:	For the diagnosis of thrombotic thrombocytopenic purpura (TTP).			
Effective Date:	<b>August 25, 2008</b>			
Test Code:	14532			
Specimen Stability:	<b>Room temperature: 8 hours; Refrigerated: 7 days; Frozen: 21 days -70 Degrees: 6 Months</b>			
Reference Ranges:	vWF Protease Activity: <b>&gt; 530 ng/mL</b>			
	vWF Protease Inhibitor: <b>&lt; 0.4 BEU</b>			
	<p><b>In comparison to the classic assay for von Willebrand cleaving protease activity by electrophoresis/immunoblot, the FRETs ADAMTS-13 assay using substrate VWF86-ALEXA gave activity values of 0-137 ng/mL (0-21 %) in known acute or chronic relapsing TTP. Hyperbilirubinemia or severe hemolysis interferes with this assay.</b></p> <p><b>Key Refereneces: Miyata, T., Kokame, K Banno, F Measurement of ADAMTS-13 Activity and Inhibitors Curr Opin Heatol 2005 Sep; 12990:384-9.</b></p> <p><b>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, San Juan Capistrano. This test should not be used for diagnosis without confirmation by other medically established means.</b></p>			
Methodology:	<b>Fluorescent Resonance Energy Transfer (FRET)</b>			
Assay Category:	<b>Research Use Only</b>			
Performing Site:	Quest Diagnostics Nichols Institute, San Juan Capistrano			
Additional Information:	<b>If the vWF Protease Activity result is &lt;251 ng/mL, then von Willebrand Factor Protease Inhibitor will be performed at an additional charge (CPT code: 85335). Update stability, reference range, methodology, assay category, reflex criteria, and add RUO always message.</b>			

## Discontinued Tests

<b>CD57, Flow Cytometry</b>	
<b>Effective Date:</b>	<b>August 11, 2008</b>
Test Code:	14805
Performing Site:	Quest Diagnostics Nichols Institute, San Juan Capistrano
Additional Information:	This test will be discontinued. The recommended alternatives are: 35080-Leukemia/Lymphoma Evaluation or 19860-CD57, CD3, CD8, Flow Cytometry.
<b>Kidney Stone Formation, Diagnostic Panel</b>	
<b>Effective Date:</b>	<b>August 11, 2008</b>
Test Code:	36088
Additional Information:	This test will be discontinued. The recommended alternative is 442.
<b>Glypican 3</b>	
<b>Effective Date:</b>	<b>August 18, 2008</b>
Test Code:	16157
Performing Site:	Quest Diagnostics Nichols Institute, San Juan Capistrano
Additional Information:	This test will be discontinued due to low utilization. There is no alternative test available.

AM=6am-12pm, PM=12pm-6pm, E=6pm-12am, Next Day=12am-6am Pacific Time