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 #**
19552	**Aldosterone, 24-Hour Urine**	9/11/2012	2
17181	**Aldosterone, LC/MS/MS**	9/11/2012	3
36742	**Estrogens, Fractionated, LC/MS/MS**	9/11/2012	4
23244	**Estrone, LC/MS/MS**	9/11/2012	6
91247	**Lipid Panel, Non-fasting w/o Triglycerides**	9/11/2012	7
90353	**Vitamin B1 (Thiamine), LC/MS/MS**	9/11/2012	7
37967	**Bismuth, 24-Hour Urine**	9/17/2012	8
6060	**Bismuth, Random Urine**	9/17/2012	9
8887	**Industrial Cadmium Screen**	9/17/2012	9
91212	**Histoplasma Galactomannan Antigen, Urine**	9/18/2012	11

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 #**
1165		Islet Cell IgG Cytoplasmic Autoantibodies	9/10/2012	12
3120		CA 19-9	9/11/2012	12
1077		Celiac Disease Evaluatr w/Reflex to Titer	9/11/2012	13
1821		HPV DNA, High Risk	9/11/2012	13
3454		Lipid Panel	9/11/2012	14
9721		Mumps IgM Antibodies	9/11/2012	14
9022		*Treponema pallidum* Ab	9/11/2012	15
4867U		**Arsenic, 24-Hour Urine**	9/17/2012	15
4867UR		**Arsenic, Random Urine**	9/17/2012	15
4868U		**Cadmium, 24-Hour Urine**	9/17/2012	16
4868UR		**Cadmium, Random Urine**	9/17/2012	16
4884U		**Cobalt, 24-Hour Urine**	9/17/2012	17
4884UR		**Cobalt, Random Urine**	9/17/2012	17
4060U		**Comprehensive Toxic Metal Panel, 24-Hour Urine**	9/17/2012	18
4870U		Copper, 24-Hour Urine	9/17/2012	18
4870UR		Copper, Random Urine	9/17/2012	18
4075U		**Heavy Metals 24-Hour Urine with Cadmium**	9/17/2012	19
4060UR		Heavy Metals Comprehensive Panel, Random Urine	9/17/2012	19

4080U		**Heavy Metals Panel, 24-Hour Urine**	9/17/2012	20
4080UR		**Heavy Metals Panel, Random Urine**	9/17/2012	21
4075UR		**Heavy Metals Panel, Random Urine with Cadmium**	9/17/2012	21
4861U		**Lead, 24-Hour Urine**	9/17/2012	22
4861UR		**Lead, Random Urine**	9/17/2012	22
4872U		**Manganese, 24-Hour Urine**	9/17/2012	23
4872UR		**Manganese, Random Urine**	9/17/2012	23
4873U		**Mercury, 24-Hour Urine**	9/17/2012	24
4873UR		**Mercury, Random Urine**	9/17/2012	24
4886U		**Thallium, 24-Hour Urine**	9/17/2012	25
4886UR		**Thallium, Random Urine**	9/17/2012	25
4877U		**Zinc, 24-Hour Urine**	9/17/2012	26
4877UR		**Zinc, Random Urine**	9/17/2012	26

REDIRECTS
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 #
36443	S52445	Nickel, 24-Hour Urine	9/17/2012	26
5215	S51305	Nickel, Random Urine	9/17/2012	27

DISCONTINUED 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 #
3104	Aldosterone	9/18/2012	27
3104U	Aldosterone 24 hour Urine	9/18/2012	28
3166	Estrogens, Fractionated Serum	9/18/2012	28
3154	Estrone	9/18/2012	28
8315UR	*Histoplasma* Antigen Urine	9/18/2012	28
3515	Vitamin B1 (Thiamine)	9/18/2012	28
4878UR	Zinc, Random Urine W/out Creatinine	9/18/2012	28

New Test Offerings

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

Aldosterone, 24-Hour Urine	
Message	Suggested replacement for discontinued test code 3104U Aldosterone 24 hour Urine or 3104UR Aldosterone Urine Random
Clinical Significance	Aldosterone is a hormone produced by the adrenal glands. Patients with primary hyperaldosteronism exhibit hypokalemia, hypertension, and low direct renin

	concentrations.
Effective Date	**9/11/2012**
Test Code	**19552**
CPT Codes	82088
Specimen Requirements	5 mL (0.8 mL) 24-hour urine: 24-hour urine container (preferred); 10 g Boric acid (preferred) Alternate: 5 mL Random urine: 10 g Boric acid
Reject Criteria	Received room temperature
Instructions	Collect urine with 10 grams of boric acid to maintain pH below 7.5. Record 24-hour urine volume on test request form and urine vial. Refrigerate during and after collection. Sample without preservative is acceptable if kept refrigerated during collection. It is acceptable to add preservative after collection if urine was refrigerated during collection. Reference ranges do not apply to random urine samples.
Transport Temperature	Refrigerated
Specimen Stability	Room temperature: 48 Hours Refrigerated: 7 Days Frozen: 2 Years
Set-up/Analytic Time	Set up: Sun,Tues,Thurs;Report available: 5 days
Reference Range	Aldosterone, Urine: Reference Ranges for Aldosterone, 24-hour urine: Random Sodium Diet Age mcg/24 hours 2-7 years 5.7 or less 8-11 years 10.2 or less 12-16 years 15.6 or less Adults 2.3-21.0 Post FLORINEF (TM) or IV saline suppression: 5 mcg/24 hours or less Creatinine, 24-Hour Urine (UOM g/24 h) AGE (YEARS) g/24 hours 3-8 0.11-0.68 9-12 0.17-1.41 13-17 0.29-1.87 Adults 0.63-2.50
Methodology	Hydrolysis, Extraction, Radioimmunoassay
Performing Site	Quest Diagnostics Nichols Institute, San Juan Capistrano
CPU Mappings	**Result Code** / **Type** / **Result Name** 7610 / AOE / Total Volume 340 / / Aldosterone, Urine 332 / / Creatinine, 24-Hour Urine

Aldosterone, LC/MS/MS	
Message	Suggested replacement for discontinued test code 3104 Aldosterone.
Clinical Significance	Approximately 1-2% of individuals with primary hypertension have primary hyperaldosteronism characterized by hypokalemia (low potassium) and low direct renin. Because serum aldosterone concentrations vary due to dietary sodium intake and body position, some physicians prefer measurement of 24-hour urine concentrations for aldosterone.
Effective Date	**9/11/2012**

Test Code	**17181**
CPT Codes	82088
Specimen Requirements	1.0 mL (0.25 mL) Serum Red-top (no gel) Alternate: 1 mL (0.25 mL) Plasma in EDTA (lavender-top), EDTA (royal blue-top), Sodium heparin (green-top),Lithium heparin (green-top)
Reject Criteria	Samples collected in Serum Separator tubes
Instructions	Serum separator 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. Draw "upright" samples at least 1/2 hour after patient sits up.
Transport Temperature	Refrigerated
Specimen Stability	Room temperature: 4 Days Refrigerated: 7 Days Frozen: 28 Days
Set-up/Analytic Time	Set up:Sun-Fri;Report available: 4 days
Reference Range	Adult Reference Ranges for Aldosterone, LC/MS/MS: Upright 8:00-10:00 am < or = 28 ng/dL Upright 4:00-6:00 pm < or = 21 ng/dL Supine 8:00-10:00 am 3-16 ng/dL Pediatric Reference Ranges for Aldosterone, LC/MS/MS: 1-12 months**: 2-70 ng/dL 1-4 years**: 2-37 ng/dL 5-9 years: < or = 9 ng/dL 10-13 years: < or = 21 ng/dL 14-17 years: < or = 35 ng/dL Premature infants (31-35 weeks)**: < or = 144 ng/dL Term infants**: < or = 217 ng/dL Tanner Stages** II-III Males: 1-13 ng/dL II-III Females: 2-20 ng/dL IV-V Males: 3-14 ng/dL IV-V Females: 4-32 ng/dL **Pediatric data from J Clin Endocrinol Metab. 1992;75:1491 and J CLin Endocrinol Metab. 1989; 69;1133-1136.
Units Of Measure	ng/dL
Methodology	Liquid Chromatography Tandem Mass Spectrometry
Performing Site	Quest Diagnostics Nichols Institute, San Juan Capistrano
CPU Mappings	**Result Code** / **Result Name** 86000326 / Aldosterone

Estrogens, Fractionated, LC/MS/MS	
Message	Suggested replacement for discontinued test code 3166 Estrogens, Fractionated Serum

Effective Date	**9/11/2012**
Test Code	**36742**
CPT Codes	82670, 82677, 82679
Specimen Requirements	**2.5 mL (0.8 mL)** Serum Red-top (no gel)
Reject Criteria	Thawed Serum, Received room temperature, Samples received in SST tubes
Transport Temperature	Frozen
Specimen Stability	Room temperature: 48 Hours Refrigerated: 7 Days **Frozen: 2 Years**
Set-up/Analytic Time	Set up: Mon-Sat; Report available: 6 days
Reference Range	**Estradiol:** Males: < or = 29 pg/mL Females Follicular Phase: 39-375 pg/mL Luteal Phase: 48-440 pg/mL Postmenopausal Phase: < or = 10 pg/mL Pediatric Reference Ranges for Estradiol, Ultrasensitive, LC/MS/MS: Age Males Females (pg/mL) (pg/mL) Pre-pubertal (1-9 years): < or = 4 < or = 16 10-11 years: < or = 12 < or = 65 12-14 years: < or = 24 < or = 142 15-17 years: < or = 31 < or = 283 **Estriol:** Adult Males: < or = 0.18 ng/mL Adult Females (nonpregnant): < or = 0.21 ng/mL Pregnancy: First Trimester: < or = 2.50 ng/mL Second Trimester: < or = 9.60 ng/mL Third Trimester: < or = 14.60 ng/mL **Estrone:** Males: < or = 68 pg/mL Females Follicular Phase: 10-138 pg/mL Luteal Phase: 16-173 pg/mL Postmenopausal Phase: < or = 65 pg/mL Pediatric Reference Ranges for Estrone, LC/MS/MS: Age Males Females (pg/mL) (pg/mL) Pre-pubertal (1-9 years): <10 < or = 34 10-11 years: < or = 12 < or = 72

	12-14 years: < or = 28 < or = 75 15-17 years: < or = 64 < or = 188
Methodology	Liquid Chromatography Tandem Mass Spectrometry
Performing Site	Quest Diagnostics Nichols Institute, San Juan Capistrano
CPU Mappings	**Result Code** / **Result Name** 85986120 / Estrone, LC/MS/MS 85991112 / Estradiol, LC/MS/MS 85991113 / Estriol,LC/MS/MS, Serum

Estrone, LC/MS/MS	
Message	Suggested replacement for test code 3154 Estrone.
Clinical Significance	Estrone is primarily derived from metabolism of androstenedione in peripheral tissues, especially adipose tissues. Individuals with obesity have increased conversion of androstenedione to Estrone leading to higher concentrations. In addition, an increase in the ratio of Estrone to Estradiol may be useful in assessing menopause in women.
Effective Date	**9/11/2012**
Test Code	**23244**
CPT Codes	82679
Specimen Requirements	**0.5 mL (0.25 mL) Serum**, Red-top (no gel) Please note: **EDTA Plasma is no longer acceptable.**
Reject Criteria	Received room temperature, SST
Instructions	Specify age and sex on test request.
Transport Temperature	Refrigerated
Specimen Stability	Room temperature: 48 Hours Refrigerated: 7 Days **Frozen: 2 Years**
Set-up/Analytic Time	Set up: Mon-Sat; Report available: 5 days
Reference Range	Adult Reference Ranges for Estrone, LC/MS/MS: Males: < or = 68 pg/mL Females Follicular Phase: 10-138 pg/mL Luteal Phase: 16-173 pg/mL Postmenopausal Phase: < or = 65 pg/mL Pediatric Reference Ranges for Estrone, LC/MS/MS: Age Males Females (pg/mL) (pg/mL) Pre-pubertal (1-9 years): <10 < or = 34 10-11 years: < or = 12 < or = 72 12-14 years: < or = 28 < or = 75 15-17 years: < or = 64 < or = 188

Methodology	Liquid Chromatography Tandem Mass Spectrometry
Performing Site	Quest Diagnostics Nichols Institute, San Juan Capistrano
CPU Mappings	**Result Code** / **Result Name**: 85986120 — Estrone, LC/MS/MS

Lipid Panel, Non-fasting w/o Triglycerides	
Message	*Includes: Cholesterol, Total, HDL Cholesterol, Chol/HDLC Ratio, Non-HDL Cholesterol*
Clinical Significance	This lipid panel includes Total Cholesterol, HDL Cholesterol and calculated non-HDL Cholesterol. It does not include triglycerides and may be best used in patients for whom fasting is difficult.
Effective Date	**9/11/2012**
Test Code	**91247**
CPT Codes	82465, 83718
Specimen Requirements	1 mL (0.5 mL) serum or heparinized plasma
Reject Criteria	Anticoagulants other than heparin; gross hemolysis, moderate to gross icterus; specimens received frozen
Transport Temperature	Refrigerated
Specimen Stability	Serum: Room temperature: 48 hours; Refrigerated: 7 days; Frozen: Unacceptable Heparinized plasma: Room temperature: 48 hours; Refrigerated: 48 hours; Frozen: Unacceptable
Set-up/Analytic Time	Set up: Mon-Fri; Report available: 2-5 days
Reference Range	See individuals assays
Methodology	Spectrophotometry
Performing Site	Quest Diagnostics Nichols Institute, Valencia
CPU Mappings	**Result Code** / **Result Name**: 25003000 — Cholesterol, Total; 25015900 — HDL Cholesterol; 25017000 — Chol/HDLC Ratio; 25017210 — Non-HDL Cholesterol

Vitamin B1 (Thiamine), LC/MS/MS	
Message	Suggested replacement for discontinued test code 3515 Vitamin B1 (Thiamine)
Clinical Significance	Vitamin B1 deficiency is most often associated with alcoholism, chronic illness and following gastric by-pass surgery. Prolonged deficiency causes beriberi. Plasma vitamin B1 is useful in evaluating nutritional assessment and compliance, while whole blood vitamin B1 is useful in evaluating body stores.
Effective Date	**9/11/2012**
Test Code	**90353**

CPT Codes	84425
Specimen Requirements	2 mL (1 ml) plasma collected in an EDTA (lavender-top) tube Alternates: Plasma collected in a sodium heparin (green-top) tube, Serum collected in a red-top **(no gel)** tube
Reject Criteria	Lipemic and hemolyzed specimens; Received room temperature; Received refrigerated; Not protected from light; Specimens collected in gel barrier tube; Tubes other than lavender/green/red-top (no gel); Prepared from blood left at room temp 4hrs or more; Serum Separator Tube
Instructions	**Plasma:** Draw blood into light protected lavender or green top evacuated tube. If separation of cells cant be performed immediately after collection, keep the whole blood refrigerated and protected from light. The separation of cells must be completed within 4 hours of collection. Separate cells by centrifugation at 2-8 degrees C for 8-10 minutes. Transfer plasma to dark brown polypropylene or polyethylene transport tubes to protect from light and freeze tube immediately. Alternately, neutral colored polypropylene or polyethylene tubes can be used if wrapped in aluminum foil. Ship frozen tubes at -10 to -30 degrees C. Samples not protected from light or shipped at room or refrigerated temperature are unacceptable. **Serum:** Collect blood in plain red top evacuated tube. Allow to clot at 20-25 degrees C for 20-30 minutes. Centrifuge at 2-8 degrees C for 8-10 minutes. Transfer serum to dark brown polypropylene or polyethylene transport tube to protect from light and freeze tube immediately. Alternately, neutral colored polypropylene or polyethylene tubes can be used if wrapped in aluminum foil. Ship the frozen tubes at -10 to -30 degrees C. Samples not protected from light or shipped at room or refrigerated temperature are unacceptable.
Transport Temperature	Frozen
Specimen Stability	Room temperature: 8 hours Refrigerated: 48 hours Frozen: 30 days
Set-up/Analytic Time	Set up: Sun-Fri; Report available: 3-5 days
Reference Range	Adults: 8-30 nmol/L
Methodology	Liquid Chromatography Tandem Mass Spectrometry
Performing Site	Quest Diagnostics Nichols Institute, San Juan Capistrano
CPU Mappings	**Result Code** / **Result Name** 86007439 / Vitamin B1, LCMSMS
Additional Information	Overnight fasting is preferred. Patient is to be restricted from alcohol, coffee, tea, raw fish, liver, pork, sausage and vitamins for at least 24 hours before sample collection.

Bismuth, 24-Hour Urine	
Clinical Significance	Excessive use of Bismuth containing medications may cause renal damage and other adverse effects.
Effective Date	**9/17/2012**
Test Code	**37967**
CPT Codes	83018
Specimen Requirements	7 mL aliquot of a well mixed 24 hour urine collected in acid washed or metal free container (3 mL minimum) Collection Instructions: Avoid taking mineral supplements and bismuth preparations such as Pepto-Bismol for at least 1 week prior to collection. Collect urine in acid washed or metal free plastic container.
Instructions	To avoid contamination, **do not measure 24-hour volume**.
Transport Temperature	Refrigerated
Specimen Stability	Room temperature: 48 hours Refrigerated: 5 days

	Frozen: 14 days
Set-up/Analytic Time	Set up: Tues, Thurs, Sat; Report available: 2-4 days
Reference Range	< or = 20 mcg/L
Methodology	Inductively-Coupled Plasma/Mass Spectrometry
Performing Site	Quest Diagnostics Nichols Institute, Valencia
CPU Mappings	**Result Code** / **Result Name**: 85993909 — Bismuth, 24-Hour Urine

Bismuth, Random Urine	
Clinical Significance	Excessive use of Bismuth containing medications may cause renal damage and other adverse effects.
Effective Date	**9/17/2012**
Test Code	**6060**
CPT Codes	82570, 83018
Specimen Requirements	7 mL random urine collected in acid washed or metal free container (3 mL minimum) Collection Instructions: Avoid taking mineral supplements and bismuth preparations such as Pepto-Bismol for at least 1 week prior to collection. Collect urine in acid washed or metal free plastic container.
Transport Temperature	Refrigerated
Specimen Stability	Room temperature: 48 hours Refrigerated: 5 days Frozen: 14 days
Set-up/Analytic Time	Set up: Tues, Thurs, Sat; Report available: 2-4 days
Reference Range	Bismuth, Random Urine: Nonexposed Adult: < or = 7.4 mcg/g creatinine Creatinine, Random Urine: 0-6 Months: 2-32 mg/dL 7-11 Months: 2-36 mg/dL 1-2 Years: 2-128 mg/dL 3-8 Years: 2-149 mg/dL 9-12 Years: 2-183 mg/dL >12 Years: Male: 20-370 mg/dL Female: 20-320 mg/dL
Methodology	Inductively Coupled Plasma-Mass Spectrometry
Performing Site	Quest Diagnostics Nichols Institute, Valencia
CPU Mappings	**Result Code** / **Result Name**: 85993080 — Bismuth, Random Urine; 25026500 — Creatinine, Random Urine

Industrial Cadmium Screen	
Effective Date	**9/17/2012**

<table>
<tr><td>Test Code</td><td>8887</td></tr>
<tr><td>CPT Codes</td><td>82232, 82570, 82300 (x2)</td></tr>
<tr><td>Specimen Requirements</td><td>7 mL random urine collected in acid washed or metal free container (3 mL minimum) and 2 mL non acid washed random urine (1 mL minimum) and 4 mL EDTA whole blood (2 mL minimum)

Collection Instructions: Three separate collections are required. One collection of blood and two separate collections of urine.
Specimen 1: One EDTA (royal blue-top) tube of whole blood.
Specimen 2: For random urine cadmium and creatinine: collect urine in an acid washed or metal free plastic container. Label as Cadmium/Creatinine.
Specimen 3: Once patient has voided bladder for cadmium/creatinine collection, then patient should drink at least 500 mL of water and collect a urine sample within 1 hour into a sterile screw cap container marked Beta-2-Microglobulin. Adjust pH between 6 and 8 with 1M aqueous NaOH at the draw site. Beta-2-Microglobulin is unstable in acidic urine (less than pH6). Use powderless gloves.</td></tr>
<tr><td>Transport Temperature</td><td>Refrigerated for urine and blood</td></tr>
<tr><td>Specimen Stability</td><td>
<table>
<tr><td>Urine:</td><td>Whole Blood:</td></tr>
<tr><td>Room temperature: 8 hours
Refrigerated: 7 days
Frozen: 14 days</td><td>Room temperature: 48 hours
Refrigerated: 5 days
Frozen: Unacceptable</td></tr>
</table>
</td></tr>
<tr><td>Set-up/Analytic Time</td><td>Set up: Mon, Wed, Fri; Report available: 1 day</td></tr>
<tr><td>Reference Range</td><td>
<table>
<tr><td colspan="3">Cadmium, Blood:
OSHA Reference Range: 5.0 mcg/L
Toxic Concentration: Early signs of toxicity have been observed at 30 mcg/L</td></tr>
<tr><td colspan="3">Cadmium, Random Urine:
OSHA Reference Range for Industrial Exposure: < or = 3.0 mcg/g creatinine</td></tr>
<tr><td colspan="3">B2 Microglobulin:
OSHA Reference Range: < or = 300 mcg/g creatinine</td></tr>
<tr><td>Creatinine, Random Urine:</td><td>0-6 Months
7-11 Months
1-2 Years
3-8 Years
9-12 Years
>12 Years:
Male:
Female:</td><td>2-32 mg/dL
2-36 mg/dL
2-128 mg/dL
2-149 mg/dL
2-183 mg/dL

20-370 mg/dL
20-320 mg/dL</td></tr>
<tr><td colspan="3">OSHA CATEGORIES</td></tr>
<tr><td>Biological Marker</td><td>A</td><td>B</td><td>C</td></tr>
<tr><td>Cadmium in urine (CdU) (mcg/g creatinine)</td><td>3</td><td>>3 and 7</td><td>>7</td></tr>
<tr><td>B2-microglobulin (B2-M) (mcg/g creatinine)</td><td>300</td><td>>300 and 750</td><td>>750</td></tr>
<tr><td>Cadmium in blood (CdB) (mcg/liter whole blood)</td><td>5</td><td>>5 and 10</td><td>>10</td></tr>
</table>
Category A: Biennial medical examination and annual biological monitoring are required.

Category B: Medical examination within 90 days and semiannual monitoring are required. Discretionary medical removal from work exposure is indicated, (1) if the B2-M is above 750 mcg/g creatinine, and (2) if the urine Cd level is >3 mcg/g creatinine or the blood Cd level is>5 mcg/L.
</td></tr>
</table>

	Category C: Medical examination within 90 days and quarterly monitoring are required. Mandatory removal from work exposure is necessary.
Methodology	Mass Spectrometry
Performing Site	Quest Diagnostics Nichols Institute, Valencia
CPU Mappings	

Result Code	Type	Result Name
80016200		Cadmium, Blood
86005356	AOE	Date of Birth
85989305	AOE	Gazetteer Code
80003400	AOE	Patient's Race
85989307	AOE	Hispanic
80004900	AOE	Patient Street Address
80004901	AOE	Patient City
80004902	AOE	Patient State
80004903	AOE	Patient Zip Code
80004905	AOE	Patient Phone Number
85989313	AOE	Purpose of Test
85989314	AOE	Parent's Last Name
85989315	AOE	Parent's First Name
85989316	AOE	Parent's Phone Number
85989317	AOE	Medical Provider
85989318	AOE	Provider's Street Address
85989319	AOE	Provider's City
85989321	AOE	Provider's State
85989322	AOE	Provider's Zip Code
85989323	AOE	Provider's Phone Number
80016854	Cadmium, Random Urine	
85989303	B2 Microglobulin/g Creat	
25026500	Creatinine, Random Urine	

Histoplasma Galactomannan Antigen, Urine	
Clinical Significance	*Histoplasma galactomannan* is frequently detected in urine from patients with disseminated histoplasmosis.
Effective Date	**9/18/2012**
Test Code	**91212**
CPT Codes	87385
Specimen Requirements	10 mL random urine in a sterile leak-proof container

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**
Reference Range	**<0.5 ng/mL**
Methodology	Immunoassay
Performing Site	Focus Diagnostics, Inc.
CPU Mappings	**Result Code**: **86008810**; **Result Name**: **Histoplasma Antigen**

Test Changes

Islet Cell IgG Cytoplasmic Autoantibodies	
Effective Date	**9/10/2012**
Test Code	1165
Always Message	**Laboratory Developed Test performed using a reagent labeled by the manufacturer as ASR Class I or ASR Class II (non-blood bank).** **This test was developed and its performance characteristics have been determined by Quest Diagnostics. 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.**
Assay Category	**ASR Class I**
Performing Site	Quest Diagnostics Nichols Institute, Valencia
Tests Affected	**Test Codes:** / **Name:** 1031 – Diabetes Evaluation 1032 – Diabetes Mellitus Type 1 Autoantibody Evaluation 3066 – Islet Cell Autoantibodies, Complement Fixing 3069 – Islet Cell Autoantibodies Evaluation

CA 19-9	
Effective Date	**9/11/2012**
Test Code	3120
Specimen Requirements	**1.0 mL (0.5 mL)** Serum
Reject Criteria	**Gross hemolysis**
Transport Temperature	**Room temperature**
Specimen Stability	Room Temperature: 7 days Refrigerated: 7 days

	Frozen: 28 days
Reference Range	**< 34 U/mL**
Always Message	**This test was performed using the Siemens (Bayer) Chemiluminescent method. Values obtained from different assay methods cannot be used interchangeably. CA19-9 levels, regardless of value, should not be interpreted as absolute evidence of the presence or absence of disease.**
Methodology	**Immunoassay**
Additional Information	Limitations: CA 19-9 is absent in individuals with blood group Lewis Le(a-b-), as observed in approximately 5% of Caucasian and 20-25% of African American patients.
Tests Affected	**Test Codes:** / **Name:** 3024 / Colorectal Cancer Monitor 3120SR / CA 19-9 with serial repo

Celiac Disease Evaluatr w/Reflex to Titer	
Effective Date	**9/11/2012**
Former Test Name	*Celiac Disease EvaluatR™*
Test Code	1077
Additional Information	Positive Reticulin Ab (IGA) and Positive Endomysial Ab (IGA) will be reflexed to titer for additional cost.

HPV DNA, High Risk	
Effective Date	**9/11/2012**
Test Code	1821
Specimen Requirements	1.0 (1.0) mL bush Qiagen, Tissue, ThinPrep Vial, **SurePath Cell Pellet Fraction** **SurePath Vial is no longer acceptable.**
Instructions	Add: SurePath (SurePath™ Preservative) Cell Pellet Fraction: Following cytology slide preparation, forward the cytorich fractions in labeled conical centrifuge tubes to the lab for testing. Prior to forwarding the cell pellets to the lab for HPV DNA testing, add 2.0 mL of fresh, uninoculated SurePath medium (SurePath™ preservative) to each centrifuge tube containing a cell pellet (approximately 0.8 mL) and vortex for 5 sec to resuspend the cells. Resuspended cells are to be stored at 2 to 30°C. until tested for HPV DNA. Shipping Instructions: Specimens must be received within two weeks of initial preparation.
Specimen Stability	Brush Qiagen (Digene) Med: Ambient: 14 Days Refrigerated: 21 Days Frozen: 3 Months Tissue: Ambient/Refrigerated: Unacceptable Frozen: 2 Months ThinPrep Vial: Ambient/Refrigerated: 3 Months Frozen: Unacceptable SurePath Cell Pellet Fraction: Ambient: 30 Days Refrigerated: 30 Days Frozen: Unacceptable
Reference Range	Affecting test code 1821 only: Not Detected

	Tested for High Risk types 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 68 Detected High Risk HPV 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, or 68 may cause cervical cancer or its precursors.
Always Message	Affecting test code 1821 only: The analytical performance characteristics of this assay, when used to test SurePath or Vaginal specimens, have been determined by Quest Diagnostics Nichols Institute, Valencia, CA. Methodology: Hybrid Capture with Signal Amplification.
Tests Affected	**Test Codes:** / **Name:** 1822 / HPV DNA, High and Low Risk

Lipid Panel	
Effective Date	**9/11/2012**
Test Code	3454
Reject Criteria	**Gross hemolysis,moderate to gross icterus**
Instructions	**Patient should be fasting 9-12 hrs prior to collection of specimen.** **Frozen unacceptable** **Centrifuge within 30-60 minutes following collection**
Reference Range	**LDL-Cholesterol (calc)**: **<20 years male/female <110** **>=20years male/female <130** **Cholesterol/HDL Ratio (calc)**: **< or = 5.0**
Always Message	**Non-HDL Cholesterol:** **Target for non-HDL cholesterol is 30 mg/dl higher than LDL-cholesterol target.**
Methodology	**Non-HDL Cholesterol: Calculation**
CPU Mappings	**Result Code** / **Result Name** 34552 / Cholesterol, Total 34551 / Triglycerides 34553 / Cholesterol, HDL 34554 / **LDL-Cholesterol (calc)** 34555 / **Cholesterol/HDL Ratio (calc)** **Add new result:** 25017210 / **Non-HDL Cholesterol**
Additional Information	The following Always Message is being removed from Triglycerides: Triglycerides: Less than 150 . . . . . Normal 150 - 199 . . . . . Borderline High 200 - 499 . . . . . High Greater than 499 mg/dL. Very High This Always Message change also affects test codes 3346 Triglycerides and 3445 Lipoprotein Electrophoresis. The following Always Message is being removed from LDL-Cholesterol (calc):

	ADULTREFERENCE RANGEfor LDL: Less than 100 . . . . . Optimal 100 - 129 . . . . . Near or above optimal 130 - 159 . . . . . Borderline high 160 - 189 . . . . . High Greater than 189 mg/dL. Very High

Mumps IgM Antibodies	
Effective Date	**9/11/2012**
Test Code	9721
Reference Range	**Negative: <0.90** **Equivocal: 0.90-1.10** **Positive: >1.10**
Methodology	**Chemiluminescent**
Assay Category	**FDA Exempt**
Tests Affected	**Test Codes:** / **Name:** 9711 / Mumps IgG & IgM Antibodies

***Treponema pallidum* Ab**	
Effective Date	**9/11/2012**
Test Code	9022
Specimen Stability	Plasma Samples (Citrated, Heparinized, and EDTA)**:** **Ambient/Refrigerated: 48 Hours** **Frozen: Unacceptable**
Tests Affected	**Test Codes:** / **Name:** RJK / REFLEX TREPONEMA PALLIDUM AB

Arsenic, 24-Hour Urine	
Effective Date	**9/17/2012**
Former Test Name	*Arsenic 24 hour Urine*
Test Code	4867U
Specimen Requirements	7 mL **aliquot of a well mixed** 24 hour urine collected in acid washed **or metal free container** (3 mL minimum) **Collection Instructions: Avoid worksite collection. Avoid seafood consumption for 48 hours prior to collection. Collect urine in acid washed or metal free plastic container.**
CPU Mappings	**Result Code** / **Result Name** 53346 / **Arsenic, 24-Hour Urine**

Arsenic, Random Urine	
Effective Date	**9/17/2012**
Former Test Name	*Arsenic Urine Random*

Test Code	4867UR
Specimen Requirements	7 mL **random urine collected in acid washed or metal free container** (3 mL minimum) **Collection Instructions: Avoid worksite collection. Avoid seafood consumption for 48 hours prior to collection. Collect urine in acid washed or metal free plastic container.**
Reference Range	**Arsenic Random Urine:** **Nonexposed Adult: < or = 35 mcg/g creatinine** **Biological Exposure Index (end of shift/work week): < or = 50 mcg/g creatinine** Creatinine, Random Urine: 0-6 Months: 2-32 mg/dL 7-11 Months: 2-36 mg/dL 1-2 Years: 2-128 mg/dL 3-8 Years: 2-149 mg/dL 9-12 Years: 2-183 mg/dL >12 Years: Male: 20-370 mg/dL Female: 20-320 mg/dL
CPU Mappings	**Result Code** / **Result Name** 200452 / **Arsenic, Random Urine** 34444 / Creatinine, Random Urine

Cadmium, 24-Hour Urine	
Effective Date	**9/17/2012**
Former Test Name	*Cadmium 24hr Urine*
Test Code	4868U
Specimen Requirements	**7 mL aliquot of a well mixed 24 hour urine collected in acid washed or metal free container (3 mL minimum)** **Collection Instructions: Avoid worksite collection. Collect urine in acid washed or metal free plastic container.**
Reject Criteria	**Current reject criteria will be removed.**
Transport Temperature	**Room temperature**
Specimen Stability	Room temperature: 5 days **Refrigerated: 7 days** **Frozen: 14 days**
CPU Mappings	**Result Code** / **Result Name** 211085 / **Cadmium, 24-Hour Urine**

Cadmium, Random Urine	
Effective Date	**9/17/2012**
Former Test Name	*Cadmium, Urine Random*
Test Code	4868UR
Specimen Requirements	**7 mL random urine collected in acid washed or metal free container (3 mL minimum)**

	Collection Instructions: Avoid worksite collection. Collect urine in acid washed or metal free plastic container.
Transport Temperature	**Room temperature**
Specimen Stability	Room temperature: 5 days **Refrigerated: 7 days** Frozen: 14 days
Reference Range	Cadmium, Random Urine: **Nonexposed Adult: < or = 1.2 mcg/g creatinine** **OSHA Reference Range for Industrial Exposure: < or = 3.0 mcg/g creatinine** Creatinine, Random Urine: 0-6 Months: 2-32 mg/dL 7-11 Months: 2-36 mg/dL 1-2 Years: 2-128 mg/dL 3-8 Years: 2-149 mg/dL 9-12 Years: 2-183 mg/dL >12 Years: Male: 20-370 mg/dL Female: 20-320 mg/dL
CPU Mappings	**Result Code** / **Result Name** 200453 / Cadmium, Random Urine 34444 / Creatinine, Random Urine

Cobalt, 24-Hour Urine	
Effective Date	**9/17/2012**
Former Test Name	*Cobalt 24hr Urine*
Test Code	4884U
Specimen Requirements	7 mL **aliquot of a well mixed** 24 hour urine **collected in acid washed or metal free container** (3 mL minimum) **Collection Instructions: Avoid worksite collection. Collect urine in acid washed or metal free plastic container.**
Reject Criteria	**Current reject criteria will be removed.**
Always Message	**Remove Always Message:** Biological Exposure Index (end of shift at end of work week): <16 mcg/L
CPU Mappings	**Result Code** / **Result Name** 211198 / **Cobalt, 24-Hour Urine**

Cobalt, Random Urine	
Effective Date	**9/17/2012**
Former Test Name	*Cobalt Random Urine*
Test Code	4884UR
Specimen Requirements	**7 mL random urine collected in acid washed or metal free container** (3 mL minimum)

	Collection Instructions: Avoid worksite collection. Collect urine in acid washed or metal free plastic container.
Reference Range	**Cobalt, Random Urine:** Nonexposed Adult: < or = 2.8 mcg/L Biological Exposure Index (end of shift/work week): < or = 15.0 mcg/L
CPU Mappings	**Result Code** | **Result Name** 211192 | Cobalt, Random Urine

Comprehensive Toxic Metal Panel, 24-Hour Urine	
Effective Date	**9/17/2012**
Former Test Name	*Comprehensive Toxic Metal Panel, 24 Hour Urine*
Test Code	4060U
Specimen Requirements	**7 mL aliquot of a well mixed 24 hour urine collected in acid washed or metal free container (3 mL minimum)** **Collection Instructions: Avoid worksite collection. Avoid seafood consumption for 48 hours prior to collection. Collect urine in acid washed or metal free plastic container.**
Reference Range	Lead, 24 Hour Urine: **< 80 mcg/L**
CPU Mappings	**Result Code** | **Result Name** 53346 | **Arsenic, 24-Hour Urine** 53326 | **Lead, 24-Hour Urine** 53356 | **Mercury, 24-Hour Urine** 211085 | **Cadmium, 24-Hour Urine** 211198 | **Cobalt, 24-Hour Urine** 211199 | **Thallium, 24-Hour Urine**

Copper, 24-Hour Urine	
Clinical Significance	**Copper is an essential element that is a cofactor of many enzymes. Copper metabolism is disturbed in Wilson's disease, Menkes disease, primary biliary cirrhosis, and Indian childhood cirrhosis. Urinary copper concentrations are also useful to monitor patients on chealation therap**y.
Effective Date	**9/17/2012**
Test Code	4870U
Specimen Requirements	7 mL **aliquot of a well mixed 24 hour urine collected in acid washed or metal free container (3 mL minimum)** **Collection Instructions: Collect without preservative and transport in a plastic, acid washed or metal free container. Record total volume on specimen container and on test requisition. Random urine is unacceptable. To avoid contamination, do not measure 24-hour volume.**
Methodology	**Inductively-Coupled Plasma/Mass Spectrometry**
CPU Mappings	**Result Code** | **Type** | **Result Name** 53333 | | **Copper, 24-Hour Urine** 53334 | AOE | Total Volume

Copper, Random Urine	
Clinical Significance	**Copper is an essential element that is a cofactor of many enzymes. Copper metabolism is disturbed in Wilson's disease, Menkes disease, primary biliary cirrhosis, and Indian childhood cirrhosis. Urinary copper concentrations are also useful to monitor patients on chealation therapy.**
Effective Date	**9/17/2012**
Test Code	4870UR
Specimen Requirements	7 mL random urine **collected in acid washed or metal free container (3 mL minimum)** **Collection Instructions: Collect urine in acid washed or metal free plastic container.**
Reject Criteria	**Hemolyzed samples and urine with fecal contamination.**
Transport Temperature	**Room temperature**
Specimen Stability	Room temperature: 5 days **Refrigerated: 7 days** **Frozen: 28 days**
Reference Range	Copper, Random Urine:**< 87 mcg/g creatinine** Creatinine, Random Urine: 0-6 Months: 2-32 mg/dL 7-11 Months: 2-36 mg/dL 1-2 Years: 2-128 mg/dL 3-8 Years: 2-149 mg/dL 9-12 Years: 2-183 mg/dL >12 Years: Male: 20-370 mg/dL Female: 20-320 mg/dL
Methodology	**Inductively-Coupled Plasma/Mass Spectrometry**
CPU Mappings	**Result Code** / **Result Name** 200454 / **Copper, Random Urine** 34444 / Creatinine, Random Urine

Heavy Metals 24-Hour Urine with Cadmium	
Effective Date	**9/17/2012**
Former Test Name	*Heavy Metals 24 Hour Urine with Cadmium*
Test Code	4075U
Specimen Requirements	7 mL **aliquot of a well mixed 24 hour urine collected in acid washed or metal free container** (3 mL minimum) **Collection Instructions: Avoid worksite collection. Avoid seafood consumption for 48 hours prior to collection. Collect urine in acid washed or metal free plastic container.**
Reject Criteria	**Current reject criteria will be removed.**
Reference Range	**Lead, 24 Hour Urine: < 80 mcg/L**
CPU Mappings	**Result Code** / **Result Name** 53346 / **Arsenic, 24-Hour Urine**

53326	**Lead, 24-Hour Urine**
53356	**Mercury, 24-Hour Urine**
211085	**Cadmium, 24-Hour Urine**

Heavy Metals Comprehensive Panel, Random Urine	
Effective Date	**9/17/2012**
Test Code	4060UR
Specimen Requirements	7 mL **random urine collected in acid washed or metal free container** (3 mL minimum) **Collection Instructions: Avoid worksite collection. Avoid seafood consumption for 48 hours prior to collection. Collect urine in acid washed or metal free plastic container.**
Reference Range	**Arsenic Random Urine: Nonexposed Adult: < or = 35 mcg/g creatinine** **Biological Exposure Index (end of shift/work week): < or = 50 mcg/g creatinine** **Mercury Random Urine: Nonexposed Adult: < or = 4 mcg/g creatinine** **Biological Exposure Index (preshift): < or = 35 mcg/g creatinine** **Lead, Random Urine:** **Nonexposed Adult: < 10 mcg/g creatinine** **Cadmium, Random Urine:** **Nonexposed Adult: < or = 1.2 mcg/g creatinine** **OSHA Reference Range for Industrial Exposure: < or = 3.0 mcg/g creatinine** **Cobalt, Random Urine:** **Nonnexposed Adult**: < or = 2.8 mcg/L Biological Exposure Index (end of shift/work week): < or = 15.0 mcg/L **Thallium, Random Urine:** **Nonexposed Adults:** < or = 0.4 mcg/g creatinine Creatinine, Random Urine: 0-6 Months: 2-32 mg/dL 7-11 Months: 2-36 mg/dL 1-2 Years: 2-128 mg/dL 3-8 Years: 2-149 mg/dL 9-12 Years: 2-183 mg/dL >12 Years: Male: 20-370 mg/dL Female: 20-320 mg/dL
CPU Mappings	**Result Code** / **Result Name** 200452 **Arsenic, Random Urine** 200456 **Mercury, Random Urine** 200455 **Lead, Random Urine** 200453 **Cadmium, Random Urine** 211192 **Cobalt, Random Urine** 211193 **Thallium, Random Urine** 34444 **Creatinine, Random Urine**

Heavy Metals Panel, 24-Hour Urine

Effective Date	**9/17/2012**
Former Test Name	*Heavy Metals 24 Hour Urine*
Test Code	4080U
Specimen Requirements	7 mL **aliquot of a well mixed 24 hour urine collected in acid washed or metal free container** (3 mL minimum) **Collection Instructions: Avoid worksite collection. Avoid seafood consumption for 48 hours prior to collection. Collect urine in acid washed or metal free plastic container.**
Reject Criteria	**Received room temperature**
Reference Range	**Lead, 24 Hour Urine: < 80 mcg/L**
CPU Mappings	**Result Code** / **Result Name** 53346 / **Arsenic, 24-Hour Urine** 53326 / **Lead, 24-Hour Urine** 53356 / **Mercury, 24-Hour Urine**

Heavy Metals Panel, Random Urine	
Effective Date	**9/17/2012**
Former Test Name	*Heavy Metals Urine Random*
Test Code	4080UR
Specimen Requirements	**7 mL random urine collected in acid washed or metal free container (3 mL minimum)** **Collection Instructions: Avoid worksite collection. Avoid seafood consumption for 48 hours prior to collection. Collect urine in acid washed or metal free plastic container.**
Set-up/Analytic Time	**Set up: Mon, Wed, Fri; Report available: 1 day**
Reference Range	Arsenic Random Urine: **Nonexposed Adult: < or = 35 mcg/g creatinine** Biological Exposure Index (end of shift/work week): < or = 50 mcg/g creatinine Lead, Random Urine: **Nonexposed Adult:** < 10 mcg/g creatinine Mercury Random Urine: **Nonexposed Adult:** < or = 4 mcg/g creatinine **Biological Exposure Index (preshift): < or = 35 mcg/g creatinine** Creatinine, Random Urine: 0-6 Months: 2-32 mg/dL 7-11 Months: 2-36 mg/dL 1-2 Years: 2-128 mg/dL 3-8 Years: 2-149 mg/dL 9-12 Years: 2-183 mg/dL >12 Years: Male: 20-370 mg/dL Female: 20-320 mg/dL
CPU Mappings	**Result Code** / **Result Name** 200452 / **Arsenic, Random Urine** 200455 / **Lead, Random Urine** 200456 / **Mercury, Random Urine** 34444 / **Creatinine, Random Urine**

Heavy Metals Panel, Random Urine with Cadmium	
Effective Date	**9/17/2012**
Former Test Name	*Heavy Metals Urine Random with Cadmium*
Test Code	4075UR
Specimen Requirements	7 mL random urine **collected in acid washed or metal free container (3 mL minimum)** **Collection Instructions: Avoid worksite collection. Avoid seafood consumption for 48 hours prior to collection. Collect urine in acid washed or metal free plastic container.**
Reference Range	Arsenic Random Urine: **Nonexposed Adult: < or = 35 mcg/g creatinine** Biological Exposure Index (end of shift/work week): **< or =** 50 mcg/g creatinine Lead, Random Urine: **Nonexposed Adult:** < 10 mcg/g creatinine Mercury Random Urine: **Nonexposed Adult:** < or = 4 mcg/g creatinine **Biological Exposure Index (preshift): < or = 35 mcg/g creatinine** Cadmium, Random Urine: **Nonexposed Adult: < or = 1.2 mcg/g creatinine** **OSHA Reference Range for Industrial Exposure: < or = 3.0 mcg/g creatinine** Creatinine, Random Urine: 0-6 Months: 2-32 mg/dL 7-11 Months: 2-36 mg/dL 1-2 Years: 2-128 mg/dL 3-8 Years: 2-149 mg/dL 9-12 Years: 2-183 mg/dL >12 Years: Male: 20-370 mg/dL Female: 20-320 mg/dL
CPU Mappings	**Result Code** / **Result Name** 200452 – Arsenic, Random Urine 200455 – Lead, Random Urine 200456 – Mercury, Random Urine 200453 – Cadmium, Random Urine 34444 – Creatinine, Random Urine

Lead, 24-Hour Urine	
Effective Date	**9/17/2012**
Former Test Name	*Lead, 24 Hour Urine*
Test Code	4861U
Specimen Requirements	7 mL **aliquot of a well mixed 24 hour urine collected in acid washed or metal free container** (3 mL minimum) **Collection Instructions: Avoid worksite collection. Collect urine in acid washed or metal free plastic container.**
Reference Range	**Lead, 24 Hour Urine: < 80 mcg/L**
CPU Mappings	**Result Code** / **Result Name**

53326	**Lead, 24-Hour Urine**

Lead, Random Urine	
Effective Date	**9/17/2012**
Former Test Name	*Lead Urine Random*
Test Code	4861UR
Specimen Requirements	7 mL **random urine collected in acid washed or metal free container** (3 mL minimum) **Collection Instructions: Avoid worksite collection. Collect urine in acid washed or metal free plastic container.**
Reference Range	Lead, Random Urine: **Nonexposed Adult:** < 10 mcg/g creatinine Creatinine, Random Urine: 0-6 Months: 2-32 mg/dL 7-11 Months: 2-36 mg/dL 1-2 Years: 2-128 mg/dL 3-8 Years: 2-149 mg/dL 9-12 Years: 2-183 mg/dL >12 Years: Male: 20-370 mg/dL Female: 20-320 mg/dL
CPU Mappings	**Result Code** / **Result Name** 200455 / Lead, Random Urine 34444 / Creatinine, Random Urine

Manganese, 24-Hour Urine	
Effective Date	**9/17/2012**
Former Test Name	*Manganese, 24 Hour Urine*
Test Code	4872U
Specimen Requirements	7 mL **aliquot of a well mixed 24 hour urine collected in acid washed or metal free container (3 mL minimum)** **Collection Instructions: Avoid worksite collection. Collect urine in acid washed or metal free plastic container.**
Transport Temperature	**Room temperature**
CPU Mappings	**Result Code** / **Result Name** 53425 / **Manganese, 24-Hour Urine**

Manganese, Random Urine	
Effective Date	**9/17/2012**
Former Test Name	*Manganese Urine Random*
Test Code	4872UR

Specimen Requirements	**7 mL random urine collected in acid washed or metal free container (3 mL minimum)** **Collection Instructions: Avoid worksite collection. Collect urine in acid washed or metal free plastic container.**
Transport Temperature	**Room temperature**
Specimen Stability	Room temperature: 5 days **Refrigerated: 7 days** **Frozen: 28 days**
Reference Range	Manganese, Random Urine: **Nonexposed Adult:** < 5.0 mcg/L Manganese/Creatinine Ratio: < 5.0 mcg/g creatinine Creatinine, Random Urine: 0-6 Months: 2-32 mg/dL 7-11 Months: 2-36 mg/dL 1-2 Years: 2-128 mg/dL 3-8 Years: 2-149 mg/dL 9-12 Years: 2-183 mg/dL >12 Years: Male: 20-370 mg/dL Female: 20-320 mg/dL
CPU Mappings	**Result Code** / **Result Name** 53426 / **Manganese, Random Urine** 200946 / **Manganese, Creat Ratio** 34444 / Creatinine, Random Urine

Mercury, 24-Hour Urine	
Effective Date	**9/17/2012**
Former Test Name	*Mercury 24 Hour Urine*
Test Code	4873U
Specimen Requirements	7 mL **aliquot of a well mixed 24 hour urine collected in acid washed or metal free container** (3 mL minimum) **Collection Instructions: Avoid worksite collection. Avoid seafood consumption for 48 hours prior to collection. Collect urine in acid washed or metal free plastic container.**
Reference Range	< or = 20 mcg/L **Toxic: > or = 150**
CPU Mappings	**Result Code** / **Result Name** 53356 / **Mercury, 24-Hour Urine**

Mercury, Random Urine	
Effective Date	**9/17/2012**
Former Test Name	*Mercury Urine Random*
Test Code	4873UR
Specimen Requirements	7 mL **random urine collected in acid washed or metal free container** (3 mL minimum) **Collection Instructions: Avoid worksite collection. Avoid seafood consumption for 48 hours prior to**

	collection. Collect urine in acid washed or metal free plastic container.
Reference Range	Mercury, Random Urine: **Nonexposed Adult:** < or = 4 mcg/g creatinine **Biological Exposure Index (preshift): < or = 35 mcg/g creatinine** Creatinine, Random Urine: 0-6 Months: 2-32 mg/dL 7-11 Months: 2-36 mg/dL 1-2 Years: 2-128 mg/dL 3-8 Years: 2-149 mg/dL 9-12 Years: 2-183 mg/dL >12 Years: Male: 20-370 mg/dL Female: 20-320 mg/dL
CPU Mappings	**Result Code** / **Result Name** 200456 — Mercury, Random Urine 34444 — Creatinine, Random Urine

Thallium, 24-Hour Urine	
Clinical Significance	**Exposure to Thallium is primarily through foods and may occur in highly selected industrial environments. Urinary Thallium may be used in assessing toxicity.**
Effective Date	**9/17/2012**
Former Test Name	*Thallium 24Hhr Urine*
Test Code	4886U
Specimen Requirements	**7 mL aliquot of a well mixed 24 hour urine collected in acid washed or metal free container** (3 mL minimum) **Collection Instructions: Avoid worksite collection. Collect urine in acid washed or metal free plastic container.**
Always Message	**Remove Always Message:** Toxic range: >200.0 mcg/L
CPU Mappings	**Result Code** / **Result Name** 211199 — **Thallium, 24 Hour Urine**

Thallium, Random Urine	
Clinical Significance	**Exposure to Thallium is primarily through foods and may occur in highly selected industrial environments. Urinary Thallium may be used in assessing toxicity.**
Effective Date	**9/17/2012**
Former Test Name	*Thallium Random Urine*
Test Code	4886UR
Specimen Requirements	**7 mL random urine collected in acid washed or metal free container** (3 mL minimum) **Collection Instructions: Avoid worksite collection. Collect urine in acid washed or metal free plastic container.**
Reference Range	**Thallium, Random Urine:** **Nonexposed Adults: < or = 0.4 mcg/g creatinine**

	Creatinine, Random Urine:
	0-6 Months: 2-32 mg/dL 7-11 Months: 2-36 mg/dL 1-2 Years: 2-128 mg/dL 3-8 Years: 2-149 mg/dL 9-12 Years: 2-183 mg/dL >12 Years: Male: 20-370 mg/dL Female: 20-320 mg/dL
Methodology	**Inductively-Coupled Plasma/Mass Spectrometry**
CPU Mappings	**Result Code** / **Result Name** 211193 / Thallium, Random Urine 34444 / Creatinine, Random Urine

Zinc, 24-Hour Urine	
Effective Date	**9/17/2012**
Test Code	4877U
Specimen Requirements	7 mL **aliquot of a well mixed 24 hour urine collected in acid washed or metal free container** (3 mL minimum) **Collection Instructions: Collect without preservative and transport in a plastic, acid washed or metal free container. Record total volume on specimen container and on test requisition. Random urine is unacceptable.** **To avoid contamination, do not measure 24-hour volume.**
Methodology	**Inductively-Coupled Plasma/Mass Spectrometry**
CPU Mappings	**Result Code** / **Type** / **Result Name** 53313 / / **Zinc, 24-Hour Urine** 53314 / AOE / Total Volume

Zinc, Random Urine	
Effective Date	**9/17/2012**
Former Test Name	*Zinc, Random Urine w/Creatinine*
Test Code	4877UR
Specimen Requirements	7 mL random urine **collected in acid washed or metal free container (3 mL minimum)** **Collection Instructions: Collect urine in acid washed or metal free plastic container.**
Reject Criteria	Hemolysis **and fecal contamination**
Specimen Stability	**Refrigerated: 7 days** **Frozen: 28 days**
Methodology	**Inductively-Coupled Plasma/Mass Spectrometry**
CPU Mappings	**Result Code** / **Result Name** 200458 / Zinc, Random Urine 34444 / Creatinine, Random Urine

Redirects

Nickel, 24-Hour Urine	
Effective Date	**9/17/2012**
Former Test Code	*S52445*
Test Code	36443
Specimen Requirements	7 mL aliquot of a well mixed 24 hour urine**collected in acid washed or metal free container (3 mL minimum)** **Collection Instructions: Avoid worksite collection. Collect urine in acid washed or metal free plastic container.**
Reject Criteria	**Current reject criteria will be removed**
Set-up/Analytic Time	**Set up: Mon - Fri; Report available: 1 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	**Result Code** / **Result Name** **85989540** / Nickel, 24-Hour Urine

Nickel, Random Urine	
Effective Date	**9/17/2012**
Former Test Code	*S51305*
Test Code	5215
Specimen Requirements	7 mL random urine **collected in acid washed or metal free container (3 mL minimum)** **Collection Instructions: Avoid worksite collection. Collect urine in acid washed or metal free plastic container.**
Reject Criteria	**Current reject criteria will be removed**
Specimen Stability	**Refrigerated: 7 days** **Frozen: 28 days**
Set-up/Analytic Time	**Set up: Mon - Fri; Report available: 1 day**
Reference Range	**Nickel, Random Urine:** **Nonexposed Adults** Male**:** 1.2 – 6.2 mcg/g creatinine Female: 2.2 – 10.2 mcg/g creatinine Creatinine, Random Urine: 0-6 Months: 2-32 mg/dL 7-11 Months: 2-36 mg/dL 1-2 Years: 2-128 mg/dL 3-8 Years: 2-149 mg/dL 9-12 Years: 2-183 mg/dL >12 Years: Male: 20-370 mg/dL Female: 20-320 mg/dL

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	**Result Code** / **Result Name** **85989530** Nickel, Random Urine **25026500** Creatinine, Random Urine

Discontinued Tests

Aldosterone	
Effective Date	**9/18/2012**
Test Code	3104
Additional Information	Suggested replacement: Test code 17181 Aldosterone, LC/MS/MS listed in the New Offerings section.

Aldosterone 24 hour Urine	
Effective Date	**9/18/2012**
Test Code	3104U
Additional Information	Suggested replacement test code 19552 Aldosterone, 24-Hour Urine listed in the New Offerings section.
Tests Affected	**Test Codes:** / **Name:** 3104UR Aldosterone Urine Random

Estrogens, Fractionated Serum	
Effective Date	**9/18/2012**
Test Code	3166
Additional Information	Suggested replacement test code 36742 Estrogens, Fractionated, LC/MS/MS listed in the New Offering section.

Estrone	
Effective Date	**9/18/2012**
Test Code	3154
Additional Information	Suggested replacement test code 23244 Estrone, LC/MS/MS listed in the New Offerings section.

***Histoplasma* Antigen Urine**	
Effective Date	**9/18/2012**
Test Code	8315UR
Additional Information	Suggested replacement test code 91212 *Histoplasma* Galactomannan Antigen, Urine in the New Test Offerings section.

Vitamin B1 (Thiamine)	
Effective Date	**9/18/2012**

Test Code	3515
Additional Information	Suggested replacement test code 90353 Vitamin B1 (Thiamine), LC/MS/MS listed in the New Test Offerings section.

Zinc, Random Urine W/out Creatinine	
Effective Date	**9/18/2012**
Test Code	4878UR
Additional Information	Suggested replacement test code3 4877UR Zinc, Random Urine w/Creatinine