Interpath Laboratory, Inc.
Test File Update

As an Interpath customer who receives electronic results or sends electronic orders you may need to be notified when we update our Service Manual. Although we try to keep these changes to a minimum, laboratory medicine is an evolving industry requiring changes to our technology from time to time. Depending on the requirements of your EMR or Hospital Information System you may be required to make similar changes to your system in order to correctly process inbound electronic results and create outbound electronic orders.

If you are uncertain that you are required to update your system we recommend that you contact your vendor for more information. As your laboratory service provider we are available to participate in the discussion with your vendor so that you clearly understand the impact of these changes.

Included in this email:

- This cover letter with a summary of the changes
- Microsoft Word® Document with the detail of these changes to our Service Manual
- Interpath Master Order/Result Compendium

Additional information including our most recent Service Manual and additional contact information can be found at www.interpathlab.com

Effective Date: November 12, 2018

Interpath Laboratory, Inc.
Test File Update

Order Code	Test Name	NC Name Change	CC Component Change	CPT CPT Change	SRC Specimen Requirements Change	RRC Reference Range Change	NT New Test	DT Discontinued Test	AOE Ask on Order Entry Questions
91026	Arsenic, Blood				◆	◆			
92147	Aspergillus fumigatus Antibody, IgG				◆	◆			
91037	Cadmium Exposure Panel - OSHA				◆				
91038	Cadmium, Blood				◆				
91114	Hantavirus Antibodies, IgG/IgM							◆	
91119	Heavy Metals Panel, Urine				◆	◆			
91118	Heavy Metals Panel, Blood				◆	◆			
93531	IA-2 Antibody							◆	
2070	Immunofixation with Protein Electrophoresis, Serum	◆							
2149	Immunofixation with Protein Electrophoresis, Urine	◆							
90300	Lead, Capillary				◆				
93001	Lead, Blood				◆				
91306	Lead, Urine				◆	◆			
91262	Lipoprotein Electrophoresis			◆					
91162	Mercury, Urine				◆	◆			
93370	Mercury, Blood				◆	◆			
90090	Mexiletine					◆			
90099	Perphenazine, Serum or Plasma							◆	
90114	Propafenone		◆	◆	◆	◆			◆
2779	Protein Electrophoresis Follow Up, Serum						◆		
2780	Protein Electrophoresis Follow Up, Urine						◆		◆
2075	Protein Electrophoresis with Reflex to Immunofixation, Serum	◆							
2141	Protein Electrophoresis with Reflex to Immunofixation, Urine	◆			◆				
2147	PSA, Ultrasensitive	◆							
2261	PSA, Ultrasensitive Total and Free	◆			◆				
2232	PSA, Ultrasensitive Total w/Free PSA Reflex	◆							
93955	Sensory Neuropathy Antibody Panel		◆						
2179	Testosterone					◆			
5025	Testosterone, Free + Total					◆			
92160	Testosterone Free LC/MS, Females or Children						◆		

91026 Arsenic, Blood SRC/RRC

Specimen:	
Collect:	**One Royal Blue (EDTA)**
Submit:	**6 mL (Min:0.5 mL) Whole blood in Royal Blue (EDTA). Submit Ambient.**
Special Handling:	Patient Prep: Diet, medication, and nutritional supplements may introduce interfering substances. Patient should be encouraged to discontinue nutritional supplements, vitamins, minerals, and non-essential over-the-counter medications (upon the advice of their physican) and avoid shellfish and seafood for 48 to 72 hours. If the specimen is drawn and stored in the appropriate container the trace element values do not change with time
Rejection Criteria:	Clotted Specimen Frozen whole blood Specimens collected in tubes other than Royal Blue (EDTA). Specimens transported in containers other than Royal Blue (EDTA) or Trace Element-Free transport tubes.
Methodology:	Inductively Coupled Plasma Mass Spectrophotometry
Performed:	Mon-Sat
Reported:	2-4 Day(s)
CPT Codes:	82175

Please take note of changes to rejection criteria and reference range.
Reference range changes: 0.0-12.0 µg/L

92147 Aspergillus fumigatus Antibody, IgG SRC/RRC

Specimen:	
Collect:	**One SST** Also Acceptable One Red Top
Submit:	**0.5 mL (Min:0.2 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.**
Special Handling:	Separate serum from cells ASAP or within 2 hours of collection
Rejection Criteria:	Hemolyzed specimens Icteric specimen Lipemic Samples
Stability:	Ambient: 2 Day(s); Refrigerated: 2 Week(s); Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	Quantitative ImmunoCAP Fluorescent Enzyme Immunoassay
Performed:	Sunday
Reported:	2-9 Day(s)
CPT Codes:	86606

Please take note of specimen requirement changes and reference range changes.
Reference range changes:
0.00-90.00 mcg/mL: Negative - No significant level of *A. fumigatus* IgG antibody detected
90.01-99.99 mcg/mL: Equivocal - Questionable presence of *A. fumigatus* IgG antibody
100.00 mcg/mL or greater: Positive – *A. fumigatus* IgG antibody detected. A positive result satisfies a single criterion in the determination of allergic bronchopulmonary aspergillosis (ABPA)

91037 Cadmium Exposure Panel – OSHA SRC

Specimen:		
Collect:	**One Royal Blue (EDTA)** **Random Urine in Sterile Specimen Container**	
Submit:	**One 3 mL Random Urine. Submit Frozen. Submit in a Standard Transport Tube.** **One 5 mL (Min:0.5 mL) Random Urine in Trace Element Free Tube. Submit Refrigerated.** **One 2 mL (Min:0.5 mL) Random Urine. Submit Refrigerated. Submit in a Standard Transport Tube.** **One 6 mL (Min:0.5 mL) Whole blood in Royal Blue (EDTA). Submit Ambient.**	
Special Handling:	Patient Prep: To avoid contamination, please collect specimens at the beginning of work shift. Blood and urine should be collected the same day. Submit 3 aliquots for urine, labeled with test: 1. B2 Micro - Transfer 3 mL aliquot from original urine collection to an ARUP Standard Transport Tube. Adjust the pH of this specimen immediately after pouring off collection, so the pH is between 6 and 8. Use 1M HCl or 5 percent NaOH to adjust the urine pH. Label tube as 2 Microglobulin. Freeze within one hour of collection. 2. Cadmium - Transfer 7 mL aliquot from original urine collection to ARUP Trace Element-Free Transport Tubes (ARUP supply #43116). Label tube as Cadmium. 3. Creatinine - No adjustment - refrigerate	
Rejection Criteria:	Blood:Specimens collected in tubes other than Royal Blue (EDTA). Specimens transported in containers other than Royal Blue (EDTA) or Trace Element-Free transport tubes. Clotted specimens.Frozen whole Blood. Urine: collected within 72 hours after administration of iodinated or gadolinium-based contrast media (may occur with MRI studies). Specimens containing blood or fecal matter.	
Methodology:	Chemiluminescent Immunoassay; Immunoassay; Inductively Coupled Plasma Mass Spectrophotometry	
Performed:	Mon-Fri	
Reported:	2-6 Day(s)	
CPT Codes:	82232	82300x2
Interpretive Data:	Please see report for interpretive data.	
Components:	93032 - CADMIUM, URINE 91038 - CADMIUM, BLOOD 93173 - B2 MICROGLOBULIN 93208 - PH	93029 - CADMIUM, URINE 93218 - B2 MICROGLOBULIN 93008 - CREAT, UR

Please take note of changes to submit and rejection criteria.

91038 Cadmium, Blood SRC

Specimen:	
Collect:	**One Royal Blue (EDTA)**
Submit:	**6 mL (Min:0.5 mL) Whole blood in Royal Blue (EDTA). Submit Ambient.**
Special Handling:	Stability: If the specimen is drawn and stored in the appropriate container the trace element values do not change with time.
Rejection Criteria:	Frozen whole blood Specimens collected in tubes other than Royal Blue (EDTA). Specimens transported in containers other than Royal Blue (EDTA) or Trace Element-Free transport tubes.
Methodology:	Inductively Coupled Plasma Mass Spectrophotometry
Performed:	Mon-Sat
Reported:	2-4 Day(s)
CPT Codes:	82300

Please take note of changes to rejection criteria.

91114 Hantavirus Antibodies, IgG/IgM DC

Test is being discontinued.

91119 Heavy Metals Panel, Urine SRC/RRC

Specimen:	
Collect:	**Timed Urine in Timed Urine Container** Also Acceptable Random Urine in Sterile Specimen Container
Submit:	**8 mL (Min:2 mL) Aliquot(s) Timed Urine in Trace Element Free Tube. Submit Refrigerated.** Also Acceptable 8 mL (Min:2 mL) Random Urine in Trace Element Free Tube. Submit Refrigerated.
Special Handling:	Keep Specimen Refrigerated During Collection State Collection Time State Volume Collect and submit in trace element containers Patient Prep: Diet, medication, and nutritional supplements may introduce interfering substances. Patients should be encouraged to discontinue nutritional supplements, vitamins, minerals, non-essential over-the-counter medications (upon the advice of their physician), and avoid shellfish and seafood for 48 to 72 hours. High concentrations of iodine may interfere with elemental testing. Abstinence from iodine-containing medications or contrast agents for at least 1 month prior to collecting specimens for elemental testing is recommended. Collection from patients with impaired kidney function should be avoided for a minimum of 14 days post-contrast media exposure.
Rejection Criteria:	Urine collected within 72 hours after administration of iodinated or gadolinium-based contrast media. Acid preserved urines. Specimens containing blood or fecal matter. Specimens transported in non-trace element free transport tube.
Stability:	Ambient: 1 Week(s); Refrigerated: 2 Week(s); Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	Quantitative Inductively Coupled Plasma-Mass Spectrometry
Performed:	Sun-Sat
Reported:	2-4 Day(s)
CPT Codes:	82175 83825 83655
Interpretive Data:	Please see report for interpretive data.
Components:	93008 - CREAT, UR 93009 - CREATININE 93027 - ARSENIC, URINE 93028 - ARSENIC, URINE 93033 - MERCURY, URINE 93034 - MERCURY, URINE 93035 - MERCURY, URINE 93036 - ARSENIC, UR 93037 - LEAD, URINE 93038 - LEAD, URINE 93040 - LEAD, URINE 93518 - HOURS COLLECTED 93388 - URINE VOLUME

Please take note of changes to specimen requirements and reference ranges.
Reference range changes:
Lead, Urine - per volume: 0.0-5.0 µg/L
Lead Urine - ratio to CRT: 0.0-5.0 ug/g CRT
Mercury, Urine - per volume: 0.0-5.0 µg/L
Mercury, Urine - per 24hr: 0.0-20.0 µg/d

91118 Heavy Metals Panel, Blood SRC/RRC

Specimen:		
Collect:	**One Royal Blue (EDTA)**	
Submit:	**6 mL (Min:0.5 mL) Whole blood. Submit Ambient.**	
Special Handling:	Patient Prep: Diet, medication, and nutritional supplements may introduce interfering substances. Patients should be encouraged to discontinue nutritional supplements, vitamins, minerals, non-essential over-the-counter medications (upon the advice of their physician), and avoid shellfish and seafood for 48 to 72 hours. Stability (collection to initiation of testing): Mercury is volatile; concentration may reduce after seven or more days of storage. If the specimen is drawn and stored in the approprate container, the arsenic, cadmium, and lead values do not change with time.	
Rejection Criteria:	Clotted Specimen Heparin Anticoagulant Specimens collected in tubes other than Royal Blue (EDTA). Specimens transported in containers other than Royal Blue (EDTA) or Trace Element-Free transport tubes.	
Stability:	Ambient: 1 Week(s); Refrigerated: 1 Week(s); Frozen: Unacceptable; Incubated: Unacceptable	
Methodology:	Quantitative Atomic Absorption/Quantitative Inductively Coupled Plasma-Mass Spectrometry	
Performed:	Monday, Wednesday, Thursday, Friday, Saturday	
Reported:	2-5 Day(s)	
CPT Codes:	82175 83655	82300 83825
Interpretive Data:	Please see report for interpretive data.	
Components:	93001 - LEAD, BLOOD 91026 - ARSENIC, BLOOD	93370 - MERCURY, BLOOD 91038 - CADMIUM, BLOOD

Please take note of changes to specimen requirements and reference ranges.
Reference range changes:
Arsenic, Blood: 0.0-12.0 µg/L
Mercury, Whole Blood: 0.0-10.0 µg/L

93531 IA-2 Antibody DC

Test is being discontinued.

2070 Immunofixation with Serum Protein Electrophoresis NC

Specimen:		
Collect:	**One SST** Also Acceptable One Red Top	
Submit:	**1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.**	
Special Handling:	Includes Fractionalization of Total Protein and Immunofixation with a Pathologist' Interpretation.	
Rejection Criteria:	Grossly Hemolyzed Samples	
Stability:	Ambient: 8 Hour(s); Refrigerated: 1 Week(s); Frozen: 1 Month(s); Incubated: Unacceptable	
Methodology:	Colorimetric; Electrophoresis; Turbidimetric	
Performed:	Mon-Fri	
Reported:	2-5 Day(s)	
CPT Codes:	84155 86334	84165 82784x3
Interpretive Data:	Please see report for interpretive data.	
Components:	1044 - PROTEIN 2427 - ALBUMIN 2428 - ALPHA 1 2429 - ALPHA 2 2430 - BETA 2326 - IMMUNOGLOBULIN A 2445 - % GAMMA	2441 - % ALBUMIN 2442 - % ALPHA 1 2443 - % ALPHA 2 2444 - % BETA 2325 - IMMUNOGLOBULIN G 2327 - IMMUNOGLOBULIN M

Name changed indicating that protein electrophoresis is performed with the immunofixation.

2149 Immunofixation with Urine Protein Electrophoresis NC

Specimen:		
Collect:	**Timed Urine in Timed Urine Container** Also Acceptable Random Urine in Sterile Specimen Container	
Submit:	**20 mL (Min:15 mL) Aliquot(s) Timed Urine in Sterile Specimen Container. Submit Refrigerated.** Also Acceptable 20 mL (Min:15 mL) Random Urine in Sterile Specimen Container. Submit Refrigerated.	
Special Handling:	24 HR Urine Collection Preferred Keep Specimen Refrigerated During Collection State Volume When collecting random void, first morning specimen preferred.	
Stability:	Ambient: 2 Hour(s); Refrigerated: 1 Week(s); Frozen: 1 Month(s); Incubated: Unacceptable	
Methodology:	Colorimetric; Electrophoresis	
Performed:	Mon-Fri	
Reported:	2-5 Day(s)	
CPT Codes:	84156 86335	84166
Interpretive Data:	Please see report for interpretive data.	
Components:	1046 - PROTEIN, URINE 2132 - ALPHA-1 GLOB. 2136 - BETA GLOB. 2145 - CONCENTRATED 2491 - HRS OF COLLECTION	2129 - ALBUMIN 2134 - ALPHA-2 GLOB. 2139 - GAMMA GLOB. 2490 - VOLUME (ML) 5891 - INTERP

Name changed indicating that protein electrophoresis is performed with the immunofixation.

90300 Lead, Capillary SRC

Specimen:	
Collect:	**One Lavender (EDTA)**
Submit:	**0.5 mL (Min:0.3 mL) Whole blood in Lavender (EDTA) Micro. Submit Ambient.**
Special Handling:	Patient Preparation: Clean puncture site well with soap and water before collection procedure begins. Specimen Preparation: Invert specimen 10 times to prevent clot formation. Stability: If the specimen is drawn and stored in the appropriate container, the lead values do not change with time.
Rejection Criteria:	Frozen Whole Blood Heparin Anticoagulant Specimens collected in tubes other than Lavender Pediatric(EDTA). Specimens transported in containers other than Lavender Pediatric (EDTA) or Trace Element-Free transport tubes. Venous whole blood
Methodology:	Quantitative Inductively Coupled Plasma-Mass Spectrometry
Performed:	Sun-Sat
Reported:	2-3 Day(s)
CPT Codes:	83655

Please take note of changes to rejection criteria.

93001 Lead, Blood SRC

Specimen:	
Collect:	**One Royal Blue (EDTA)**
Submit:	**6 mL (Min:0.5 mL) Whole blood in Royal Blue (EDTA). Submit Ambient.**
Special Handling:	Stability: If the specimen is drawn and stored in the appropriate container, the trace element values do not change with time. Ambient: Indefinitely; Refrigerated: Indefinitely; Frozen: Unacceptable
Rejection Criteria:	Clotted Specimen Heparinized specimens Serum Specimens collected in tubes other than Royal Blue (EDTA). Specimens transported in containers other than Royal Blue (EDTA) or Trace Element-Free transport tubes.
Methodology:	Quantitative Inductively Coupled Plasma-Mass Spectrometry
Performed:	Sun-Sat
Reported:	2-3 Day(s)
CPT Codes:	83655

Please take note of changes to rejection criteria.

91306 Lead, Urine SRC/RRC

Specimen:	
Collect:	**Timed Urine in Timed Urine Container** Also Acceptable Random Urine in Sterile Specimen Container
Submit:	**8 mL (Min:1 mL) Aliquot(s) Timed Urine in Sterile Specimen Container. Submit Refrigerated. Submit in a Standard Transport Tube.** Also Acceptable 8 mL (Min:1 mL) Random Urine in Sterile Specimen Container. Submit Refrigerated.
Special Handling:	24 HR Urine Collection Preferred Keep Specimen Refrigerated During Collection State Collection Time State Volume Use plastic container and refrigerate during collection. Patient Prep: Diet, medication, and nutritional supplements may introduce interfering substances. Patients should be encouraged to discontinue nutritional supplements, vitamins, minerals, and non-essential over-the-counter medications (upon the advice of their physician). High concentrations of iodine may interfere with elemental testing. Abstinence from iodine-containing medications or contrast agents for at least 1 month prior to collecting specimens for elemental testing is recommended. Collect: 24-hour or random urine collection. Refrigeration of urine alone, during and after collection, preserves specimens adequately, if tested within 14 days of collection.
Rejection Criteria:	Acid Preserved Urine Urine collected within 72 hours after administration of idodinated or gadolinium-based contrast media. Specimens transported in non-trace element free transport tube (with the exception of the original device).
Stability:	Ambient: 1 Week(s); Refrigerated: 2 Week(s); Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	Quantitative Inductively Coupled Plasma-Mass Spectrometry
Performed:	Mon-Sat
Reported:	2-4 Day(s)
CPT Codes:	83655
Interpretive Data:	Please see report for interpretive data.
Components:	93037 - LEAD, URINE 93038 - LEAD, URINE 93040 - LEAD, URINE 93008 - CREAT, UR 93009 - CREATININE 93518 - HOURS COLLECTED 93388 - URINE VOLUME

Please take note of changes to rejection criteria and reference ranges.
Reference range changes:
Lead, Urine - per volume: 0-5.0 µg/L
Lead Urine - ratio to CRT: 0.0-5.0 ug/g CRT

91262 Lipoprotein Electrophoresis CPT

Specimen:		
Collect:	**One SST** Also Acceptable One Red Top	
Submit:	**1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.**	
Special Handling:	Fasting 12-15 hours required	
Rejection Criteria:	Grossly Hemolyzed Samples	
Stability:	Ambient: 24 Hour(s); Refrigerated: 10 Day(s); Frozen: Unacceptable; Incubated: Unacceptable	
Methodology:	Qualitative Electrophoresis/Quantitative Enzymatic/Detergent Solubilization	
Performed:	Thursday	
Reported:	2-9 Day(s)	
CPT Codes:	83700; 80061	
Interpretive Data:	Please see report for interpretive data.	
Components:	93541 - CHOLESTEROL 93543 - HDL 93546 - APPEARANCE 93548 - INTERPRETATION	93542 - TRIGLYCERIDE 93544 - LDL, DIRECT 93547 - VLDL, CALC

Please take note of change to CPT.
CPT Changes: Add: 80061.

91162 Mercury, Urine SRC/RRC

Specimen:	
Collect:	**Timed Urine in Timed Urine Container** Also Acceptable Random Urine in Sterile Specimen Container
Submit:	**8 mL (Min:1 mL) Aliquot(s) Timed Urine in Trace Element Free Tube. Submit Refrigerated.** Also Acceptable 8 mL (Min:1 mL) Random Urine in Trace Element Free Tube. Submit Refrigerated.
Special Handling:	24 HR Urine Collection Preferred Keep Specimen Refrigerated During Collection State Collection Time State Volume Transfer an 8 mL aliquot from a well-mixed collection to ARUP Trace Element-Free Transport Tubes. Patient Preparation: Diet, medication, and nutritional supplements may introduce interfering substances. Patients should be encouraged to discontinue nutritional supplements, vitamins, minerals, and non-essential over-the-counter medications (upon the advice of their physician), and avoid shellfish and seafood for 48 to 72 hours. High concentrations of iodine may interfere with elemental testing. Collection from patients with impaired kidney function should be avoided for a minimum of 14 days post-contrast media exposure.
Rejection Criteria:	Urine collected within 72 hours after administration of iodinated or gadolinium-based contrast media. Acid preserved urine. Specimens contaminated with blood or fecal material. Specimens transported in non-trace element free transport tube (with the exception of the original device).
Stability:	Ambient: 1 Week(s); Refrigerated: 2 Week(s); Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	Quantitative Inductively Coupled Plasma-Mass Spectrometry
Performed:	Mon-Sat
Reported:	2-4 Day(s)
CPT Codes:	83825
Interpretive Data:	Please see report for interpretive data.
Components:	93008 - CREAT, UR 93009 - CREATININE 93033 - MERCURY, URINE 93034 - MERCURY, URINE 93035 - MERCURY, URINE 93518 - HOURS COLLECTED 93388 - URINE VOLUME

Please take note of changes to special handling and reference ranges.
Reference range changes:
Mercury, Urine - per volume: 0.0-5.0 µg/L
Mercury, Urine - per 24hr: 0.0-20.0 µg/d

93370 Mercury, Blood SRC/RRC

Specimen:	
Collect:	**One Royal Blue (EDTA)**
Submit:	**6 mL (Min:0.5 mL) Whole blood in Royal Blue (EDTA). Submit Ambient.**
Special Handling:	Specimen Preparation: Transport 7 mL whole blood in the original collection tube. (Min: 1 mL) Patient Prep: Diet, medication, and nutritional supplements may introduce interfering substances. Patient should be encouraged to discontinue nutritional supplements, vitamins, minerals, and non-essential over-the-counter medications (upon the advice of their physician), and avoid shellfish and seafood for 48 to 72 hours. Stability (collection to initiation of testing): Mercury is volatile; concentration may reduce after seven or more days of storage.
Rejection Criteria:	Clotted Specimen Heparinized specimens Specimen submitted frozen Specimens collected in tubes other than Royal Blue (EDTA). Specimens transported in containers other than Royal Blue (EDTA) or Trace Element-Free transport tubes.
Stability:	Ambient: 1 Week(s); Refrigerated: 2 Week(s); Frozen: Unacceptable; Incubated: Unacceptable
Methodology:	Quantitative Atomic Absorption; Quantitative Inductively Coupled Plasma-Mass Spectrometry
Performed:	Sun-Sat
Reported:	2-4 Day(s)
CPT Codes:	83825

Please take note of changes to specimen requirements and reference ranges.
Reference range change: 0.0-10.0 µg/L

90090 Mexiletine RRC

Specimen:	
Collect:	**One Red Top** Also Acceptable One Lavender (EDTA) One Pink Top (EDTA)
Submit:	**1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.** Also Acceptable 1 mL (Min:0.5 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Separate from cells within 2 hours of collection Please indicate in the supplied fields: 1. Dose - List drug amount and include the units of measure 2. Route - List the route of administration (IV, oral, etc.) 3. Dose Frequency - Indicate how often the dose is administered (per day, per week, as needed, etc.) 4. Type of Draw - Indicate the type of blood draw (Peak, Trough, Random, etc.)
Rejection Criteria:	Use of separator tubes Whole blood
Stability:	Ambient: 2 Day(s); Refrigerated: 5 Day(s); Frozen: 2 Month(s); Incubated: Unacceptable
Methodology:	Quantitative Liquid Chromatography-Tandem Mass Spectrometry
Performed:	Tuesday, Thursday, Saturday
Reported:	2-6 Day(s)
CPT Codes:	80299
Interpretive Data:	Please see report for interpretive data.
Components:	90091 - MEXILETINE 90092 - DOSE 90093 - ROUTE 90094 - DOSE FREQUENCY 90095 - TYPE OF DRAW

Please take note of changes to reference range.
Reference range changes: 0.5-2.0 µg/mL

90099 Perphenazine, Serum or Plasma DC

Test is being discontinued.

90114 Propafenone CC/AOE/SRC/RRC/CPT

Specimen:	
Collect:	**One Red Top** Also Acceptable One Lavender (EDTA) One Pink Top (EDTA)
Submit:	**2 mL (Min:0.7 mL) Serum. Submit Refrigerated.** Also Acceptable 2 mL (Min:0.7 mL) Plasma. Submit Refrigerated.
Special Handling:	Separate from cells within 2 hours of collection Please indicate in the supplied fields: 1. Dose - List drug amount and include the units of measure 2. Route - List the route of administration (IV, oral, etc.) 3. Dose Frequency - Indicate how often the dose is administered (per day, per week, as needed, etc.) 4. Type of Draw - Indicate the type of blood draw (Peak, Trough, Random, etc.)
Rejection Criteria:	Separator tubes.
Stability:	Ambient: 2 Week(s); Refrigerated: 2 Week(s); Frozen: 8 Month(s); Incubated: Unacceptable
Methodology:	Quantitative High Performance Liquid Chromatography
Performed:	Varies
Reported:	4-10 Day(s)
CPT Codes:	~~82542~~, 80375
Interpretive Data:	Please see report for interpretive data.
Components:	~~90115 - PROPAFENONE~~ ~~90116 - TYPE OF DRAW~~ ~~90117 - ROUTE~~ ~~90118 - DOSE FREQUENCY~~ ~~90119 - DOSE~~

Please take note of changes to components, ask on order entry questions, specimen requirements, reference range, and CPT coding.

CPT changes:

Remove: 82542

Add: 80375

Component changes: Remove: 90115 PROPAFENONE, 90116 TYPE OF DRAW, 90117 ROUTE, 90118 DOSE FREQUENCY, 90119 DOSE

(All components are being removed, this test will order and result under test number 90114)

Ask on Order Entry questions changes: Remove:1124 Dose, 1125 Route, 1126 Dose Frequency, 1127 Type of Draw

(All Ask on Order Entry questions are being removed)

Reference range: By Report

2779 Protein Electrophoresis Follow Up, Serum NT

Specimen:	
Collect:	**One SST** Also Acceptable One Red Top
Submit:	**1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.**
Special Handling:	This test is for the continued monitoring of previously identified M-spikes and/or other abnormalities. If abnormalities are still present, no reflex to Immunofixation will occur.
Rejection Criteria:	Grossly Hemolyzed Samples
Stability:	Ambient: 8 Hour(s); Refrigerated: 1 Week(s); Frozen: 1 Month(s); Incubated: Unacceptable
Methodology:	Colorimetric; Electrophoresis
Performed:	Mon-Fri
Reported:	2-5 Day(s)
Interpretive Data:	Please see report for interpretive data.
Components:	1044 - PROTEIN 2427 - ALBUMIN 2428 - ALPHA 1 2429 - ALPHA 2 2430 - BETA 2425 - GAMMA 2441 - % ALBUMIN 2442 - % ALPHA 1 2443 - % ALPHA 2 2444 - % BETA 2445 - % GAMMA 5883 - INTERP

New Test option. This test is for the continued monitoring of previously identified M-spikes and/or other abnormalities. If abnormalities are still present, no reflex to Immunofixation will occur.

2780 Protein Electrophoresis Follow Up, Urine NT/AOE

Specimen:	
Collect:	**Timed Urine in Timed Urine Container** Also Acceptable Random Urine in Sterile Specimen Container
Submit:	**10 mL (Min:6 mL) Aliquot(s) Timed Urine in Sterile Specimen Container. Submit Refrigerated.** Also Acceptable 10 mL (Min:6 mL) Random Urine in Sterile Specimen Container. Submit Refrigerated.
Special Handling:	24 HR Urine Collection Preferred Keep Specimen Refrigerated During Collection State Volume Minimum Volume May be insufficient if Total Protein level is low. This test is for the continued monitoring of previously identified M-spikes and/or other abnormalities. If abnormalities are still present, no reflex to Immunofixation will occur.
Stability:	Ambient: 2 Hour(s); Refrigerated: 1 Week(s); Frozen: 1 Month(s); Incubated: Unacceptable
Methodology:	Colorimetric; Electrophoresis
Performed:	Mon-Fri
Reported:	2-5 Day(s)
Interpretive Data:	Please see report for interpretive data.
Components:	2129 - ALBUMIN 2132 - ALPHA-1 GLOB. 2134 - ALPHA-2 GLOB. 2136 - BETA GLOB. 2139 - GAMMA GLOB. 2490 - VOLUME (ML) 2491 - HRS OF COLLECTION 5893 - INTERP 1046 - PROTEIN, URINE 2145 - CONCENTRATED

New Test option. This test is for the continued monitoring of previously identified M-spikes and/or other abnormalities. If abnormalities are still present, no reflex to Immunofixation will occur.

Ask on Order Entry Questions: 1001 Total Volume, 1002 Hours of Collection

2075 Protein Electrophoresis, Serum with Reflex to Immunofixation NC

Specimen:		
Collect:	**One SST** Also Acceptable One Red Top	
Submit:	**1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.**	
Special Handling:	Reflex to Immunofixation will occur on a new accession in the cases of Hypergammaglobulinemia, the presence of an M-spike(s) in the beta or gamma regions, Beta-2 density equal to or greater than beta-1 density, beta-gamma bridging, or per pathologist's indication. Additional charges will apply.	
Rejection Criteria:	Grossly Hemolyzed Samples	
Stability:	Ambient: 8 Hour(s); Refrigerated: 1 Week(s); Frozen: 1 Month(s); Incubated: Unacceptable	
Methodology:	Colorimetric; Electrophoresis	
Performed:	Mon-Fri	
Reported:	2-5 Day(s)	
CPT Codes:	84155	84165
Interpretive Data:	Please see report for interpretive data.	
Components:	1044 - PROTEIN 2427 - ALBUMIN 2428 - ALPHA 1 2429 - ALPHA 2 2430 - BETA 2425 - GAMMA	2441 - % ALBUMIN 2442 - % ALPHA 1 2443 - % ALPHA 2 2444 - % BETA 2445 - % GAMMA 5883 - INTERP

Please take note of name change reflecting new reflexing behavior described in special handling.

Reflex behavior: Reflex to Immunofixation will occur on a new accession in the cases of Hypergammaglobulinemia, the presence of an M-spike(s) in the beta or gamma regions, Beta-2 density equal to or greater than beta-1 density, beta-gamma bridging, or per pathologist's indication. Additional charges will apply.

2141 Protein Electrophoresis, Urine with Reflex to Immunofixation SRC/NC

Specimen:		
Collect:	**Timed Urine in Timed Urine Container** Also Acceptable Random Urine in Sterile Specimen Container	
Submit:	**20 mL (Min:15 mL) Aliquot(s) Timed Urine. Submit Refrigerated.** Also Acceptable 20 mL (Min:15 mL) Random Urine. Submit Refrigerated.	
Special Handling:	24 HR Urine Collection Preferred Keep Specimen Refrigerated During Collection State Volume Minimum volume may be insufficient if Total Protein level is low. Reflex to Immunofixation will occur on a new accession in the cases of Hypergammaglobulinemia, the presence of an M-spike(s) in the beta or gamma regions, Beta-2 density equal to or greater than beta-1 density, beta-gamma bridging, or per pathologist's indication. Additional charges will apply.	
Stability:	Ambient: 2 Hour(s); Refrigerated: 1 Week(s); Frozen: 1 Month(s); Incubated: Unacceptable	
Methodology:	Colorimetric; Electrophoresis	
Performed:	Mon-Fri	
Reported:	2-5 Day(s)	
CPT Codes:	84156	84166
Interpretive Data:	Please see report for interpretive data.	
Components:	2129 - ALBUMIN 2134 - ALPHA-2 GLOB. 2139 - GAMMA GLOB. 2491 - HRS OF COLLECTION 1046 - PROTEIN, URINE	2132 - ALPHA-1 GLOB. 2136 - BETA GLOB. 2490 - VOLUME (ML) 5893 - INTERP 2145 - CONCENTRATED

Please take note of name change reflecting new reflexing behavior described in special handling, and changes to submit requirements.

Reflex behavior: Reflex to Immunofixation will occur on a new accession in the cases of Hypergammaglobulinemia, the presence of an M-spike(s) in the beta or gamma regions, Beta-2 density equal to or greater than beta-1 density, beta-gamma bridging, or per pathologist's indication. Additional charges will apply.

2147 PSA, Ultrasensitive NC

Specimen:	
Collect:	**One SST** Also Acceptable One Green Top (Li Heparin) One Lavender (EDTA) One Pink Top (EDTA) One Red Top
Submit:	**1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.** Also Acceptable 1 mL (Min:0.5 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Allow specimen to clot completely at room temperature Avoid Repeated Freeze/Thaw Cycles Minimize air exposure Separate from cells ASAP For patients receiving therapy with high biotin doses (>5 mg/day), no laboratory test specimen should be collected until at least 8 hours after the last biotin administration. Testing is equivalent to Total PSA, Results below 1.0 ng/mL will report out to the thousandths decimal place.
Stability:	Ambient: 2 Hour(s); Refrigerated: 5 Day(s); Frozen: 6 Month(s); Incubated: Unacceptable
Methodology:	Electrochemiluminescence Immunoassay (ECLIA)
Performed:	Mon-Fri
Reported:	1-3 Day(s)
CPT Codes:	84153
Interpretive Data:	General Reference Range : 0.0-4.0 ng/ml The Roche e601 PSA electrochemiluminescent immunoassay is the test methodology used. Results obtained with different assay methods or kits cannot be used interchangeably. The Roche e601 PSA method is approved for use as an aid in the detection of prostate cancer when used in conjunction with a digital rectal exam in men age 50 and older. The Roche e601 PSA is also indicated for the serial measurement of PSA to aid in the prognosis and management of prostate cancer patients. Elevated PSA concentrations can only suggest the presence of prostate cancer until biopsy is performed. PSA concentrations can also be elevated in benign prostatic hyperplasia or inflammatory conditions of the prostate. PSA is generally not elevated in healthy men or men with non-prostatic carcinoma. Biotin in specimens taken from patients on high-dose biotin therapy or supplements may intefere with this test and cause inaccurate test results. It is recommended that for patients receiving therapy with high biotin doses (> 5 mg/day), no laboratory test specimen should be collected until at least 8 hours after the last biotin administration.

Name changed indicating sensitivity of testing. Results below 1.0 ng/mL will report out to the thousandths decimal place.

2261 PSA, Ultrasensitive Total and Free SRC/NC

Specimen:	
Collect:	**One SST** Also Acceptable One Green Top (Li Heparin) One Red Top
Submit:	**1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.** Also Acceptable 1 mL (Min:0.5 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Allow specimen to clot completely at room temperature Avoid Repeated Freeze/Thaw Cycles Minimize air exposure Separate from cells ASAP For patients receiving therapy with high biotin doses (>5 mg/day), no laboratory test specimen should be collected until at least 8 hours after the last biotin administration. Ultrasensitive portion is equivalent to Total PSA, Results below 1.0 ng/mL will report out to the thousandths decimal place.
Rejection Criteria:	Grossly Hemolyzed Samples
Stability:	Ambient: 2 Hour(s); Refrigerated: 5 Day(s); Frozen: 3 Month(s); Incubated: Unacceptable
Methodology:	Electrochemiluminescence Immunoassay (ECLIA)
Performed:	Mon-Fri
Reported:	1-3 Day(s)
CPT Codes:	84153 84154
Interpretive Data:	Please see report for interpretive data.
Components:	2147 - PSA, ULTRASENS 2247 - FREE PSA 2248 - % FREE PSA

Please not changes to special handling, stability, and test name. Name changed to indicate sensitivity of testing. Results for PSA, Ultrasensitive below 1.0 ng/mL will report out to the thousandths decimal place.

2232 PSA, Ultrasensitive Total w/Free PSA Reflex NC

Specimen:	
Collect:	**One SST** Also Acceptable One Green Top (Li Heparin) One Red Top
Submit:	**1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.** Also Acceptable 1 mL (Min:0.5 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Allow specimen to clot completely at room temperature Avoid freeze and thaw cycles. For patients receiving therapy with high biotin doses (>5 mg/day), no laboratory test specimen should be collected until at least 8 hours after the last biotin administration. Minimize air exposure Separate from cells ASAP If the PSA is abnormal, then the PSA, Free and % Free (test# 2233) test will be performed. Additional charges will apply. Testing is equivalent to Total PSA, Results below 1.0 ng/mL will report out to the thousandths decimal place.
Rejection Criteria:	Grossly Hemolyzed Samples
Stability:	Ambient: 2 Hour(s); Refrigerated: 5 Day(s); Frozen: 3 Month(s); Incubated: Unacceptable
Methodology:	Electrochemiluminescence Immunoassay (ECLIA)
Performed:	Mon-Fri
Reported:	1-3 Day(s)
CPT Codes:	84153 84154
Interpretive Data:	Please see report for interpretive data.
Components:	2147 - PSA, TOTAL 2247 - FREE PSA 2248 - % FREE PSA

Name changed to indicate sensitivity of testing. Results below 1.0 ng/mL will report out to the thousandths decimal place.

93955 Sensory Neuropathy Antibody Panel CC

Specimen:		
Collect:	**One SST** Also Acceptable One Red Top	
Submit:	**2 mL (Min:1 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.**	
Rejection Criteria:	Bacterially Contaminated Samples Body fluid Hemolyzed specimens Icteric specimen Lipemic Samples	
Stability:	Ambient: 1 Day(s); Refrigerated: 2 Week(s); Frozen: 24 Month(s); Incubated: Unacceptable	
Methodology:	Qualitative Immunoblot; Semi-Quantitative Enzyme-Linked Immunosorbent Assay ; Semi-Quantitative Indirect Fluorescent Antibody	
Performed:	Varies	
Reported:	3-10 Day(s)	
CPT Codes:	86255	83516x2
Interpretive Data:	Please see report for interpretive data.	
Components:	93292 - SGPG IgM ANTIBODY ~~93286 - PURKINJE CELL AB~~	91566 - MAG ANTIBODY 91657 – PARANEOPLASTIC ABS

Please take note of changes to components.

Component changes:

Add: 91657 - PARANEOPLASTIC ABS

Remove: 93286 - PURKINJE CELL AB

2179 Testosterone RRC

Specimen:	
Collect:	**One SST** Also Acceptable One Green Top (Li Heparin) One Lavender (EDTA) One Pink Top (EDTA) One Red Top
Submit:	**1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.** Also Acceptable 1 mL (Min:0.5 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Allow specimen to clot completely at room temperature Avoid Repeated Freeze/Thaw Cycles For patients receiving therapy with high biotin doses (>5 mg/day), no laboratory test specimen should be collected until at least 8 hours after the last biotin administration. Minimize air exposure Separate from cells ASAP Specimen should be collected between 6-10 a.m.
Stability:	Ambient: 8 Hour(s); Refrigerated: 1 Week(s); Frozen: 6 Month(s); Incubated: Unacceptable
Methodology:	Electrochemiluminescence Immunoassay (ECLIA)
Performed:	Mon-Fri
Reported:	1-3 Day(s)
CPT Codes:	84403

Interpretive Data:

Male Reference Ranges		
0 – 10 year(s)	:	<12-20 ng/dl
10 - 15 year(s)	:	<12-770 ng/dl
15 - 20 year(s)	:	100-1070 ng/dl
20 - 49 year(s)	:	180-917 ng/dl
50 - 150 year(s)	:	164-866 ng/dl

Female Reference Ranges		
0 - 10 year(s)	:	<12 ng/dl
10 - 15 year(s)	:	<12 -60 ng/dl
15 - 20 year(s)	:	<12 -70 ng/dl
20 – 50 year(s)	:	<12 -51 ng/dl
50 - 150 year(s)	:	<12 -41 ng/dl

Biotin in specimens taken from patients on high-dose biotin therapy or supplements may intefere with this test and cause inaccurate test results. It is recommended that for patients receiving therapy with high biotin doses (> 5 mg/day), no laboratory test specimen should be collected until at least 8 hours after the last biotin administration.

Please take note of changes to reference range.

5025 Testosterone, Free + Total RRC

Specimen:	
Collect:	**One SST** Also Acceptable One Green Top (Li Heparin) One Lavender (EDTA) One Pink Top (EDTA) One Red Top
Submit:	**1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.** Also Acceptable 1 mL (Min:0.5 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Allow specimen to clot completely at room temperature Avoid Repeated Freeze/Thaw Cycles Minimize air exposure Separate from cells ASAP Specimen should be collected between 6-10 a.m. For patients receiving therapy with high biotin doses (>5 mg/day), no laboratory test specimen should be collected until at least 8 hours after the last biotin administration.
Stability:	Ambient: 8 Hour(s); Refrigerated: 3 Day(s); Frozen: 1 Month(s); Incubated: Unacceptable
Methodology:	Electrochemiluminescence Immunoassay (ECLIA)
Performed:	Mon-Fri
Reported:	1-3 Day(s) The concentration of free testosterone is derived from a mathematical expression based on the constant for the binding of testosterone to sex hormone binding globulin.
CPT Codes:	84270 84403
Interpretive Data:	Please see report for interpretive data.
Components:	2179 - TESTOSTERONE 5023 - %FREE TESTO 1021 - ALBUMIN 5020 - FREE TESTOSTERONE 5024 - SEX HB GLOBULIN

Please take note of changes to reference ranges.

Reference range changes:

2179 Testosterone:

Male		Female	
0 - 10 years	<12-20 ng/dL	0 - 10 years	<12 ng/dL
10 - 15 years	<12-770 ng/dL	10 - 15 years	<12-60 ng/dL
15 – 20 years	100-1070 ng/dL	15 – 20 years	<12-70 ng/dL
20 – 50 years	180-917 ng/dL	20 – 50 years	<12-51 ng/dL
50+ years	164-866 ng/dL	50+ years	<12-41 ng/dL

5020 Free Testosterone:

Male		Female	
0 - 10 years	0.0-0.36 ng/dL	0 - 10 years	0.0-0.6 ng/dL
10 - 15 years	0.03-13.3 ng/dL	10 - 15 years	0.04-1.5 ng/dL
15 – 20 years	3.1-17.8 ng/dL	15 – 20 years	0.08-1.6 ng/dL
20 – 50 years	3-24.4 ng/dL	20 – 50 years	0.05-1.2 ng/dL
50+ years	2.1-18.8 ng/dL	50+ years	0.02-1.0 ng/dL

92160 Testosterone Free LC/MS, Females or Children NT

Specimen:	
Collect:	**One SST** Also Acceptable One Green Top (Li Heparin) One Green Top (Na Heparin) One Red Top
Submit:	**1 mL (Min:0.8 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.** Also Acceptable 1 mL (Min:0.8 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Separate serum from cells ASAP or within 2 hours of collection Patient Preperation: Collect between 6-10 a.m. Remarks: This test is suggested for women and children due to an improved sensitivity of testosterone by LC-MS/MS.
Rejection Criteria:	EDTA plasma
Stability:	Ambient: 1 Day(s); Refrigerated: 1 Week(s); Frozen: 6 Month(s); Incubated: Unacceptable
Methodology:	Electrochemiluminescent Immunoassay; Quantitative High Performance Liquid Chromatography-Tandem Mass Spectrometry
Performed:	Sun-Sat
Reported:	2-5 Day(s)

New test option Free Testosterone, Females or Children.