

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](http://www.interpathlab.com)

**Effective Date: February 19, 2019**

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Order Code	Test Name	NC	CC	CPT	SRC	RRC	NT	DT	AOE
		Name Change	Component Change	CPT Change	Specimen Requirements Change	Reference Range Change	New Test	Discontinued Test	Ask on Order Entry Questions
91015	Alpha-1-Antitrypsin Phenotype				◆				
91355	Antimony				◆	◆			
90110	Aripipazole and Metabolite		◆						◆
1019	Bilirubin, Total					◆			
2006	Bilirubin, Total Newborn					◆			
91356	Bismuth, Blood				◆	◆			
90043	Bupropion		◆						◆
2758	Cardiovascular Disease Risk Panel + LDL Particle Analysis by VLP							◆	
90050	Desipramine		◆						◆
4110	E.coli Shiga-like Toxin						◆		◆
91517	Enterovirus by PCR				◆				
1948	Hepatitis, Acute				◆				
1517	Hepatitis A,B,C Panel				◆				
1884	Hepatitis B+C Panel				◆				
1436	Hepatitis B Panel				◆				
2103	Hepatitis B Surface Antigen				◆				
90241	Herpesvirus 6 Antibody, IgM by IFA, Serum	◆			◆				
91724	LDL Particle Analysis by Vertical Lipoprotein Particle (VLP) Flow Analyzer							◆	
91160	Manganese				◆				
90070	Meprobamate		◆						◆
90090	Mexiletine		◆						◆
91403	Neisseria Gonorrhoea Antibody by CF, Serum			◆	◆				
4113	Stool Culture and E.coli Shiga-like Toxin						◆		
91565	Thallium				◆	◆			
91238	Viscosity, Serum				◆	◆			
91228	Vitamin B6				◆				
2645	Von Willebrand Panel		◆						

**91015 Alpha-1-Antitrypsin Phenotype**
**SRC**

<b>Specimen:</b>	
Collect:	<b>One SST</b> Also Acceptable One Red Top
Submit:	<b>One 1 mL (Min:0.3 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.</b>
Special Handling:	Avoid Repeated Freeze/Thaw Cycles
Rejection Criteria:	Grossly Hemolyzed Samples
Stability:	Ambient: 1 Week(s); Refrigerated: 3 Month(s); Frozen: 3 Month(s); Incubated: Unacceptable
<b>Methodology:</b>	Immunoturbidometric; Qualitative Isoelectric Focusing
<b>Performed:</b>	Sun-Sat
<b>Reported:</b>	3-5 Day(s)
<b>CPT Codes:</b>	82103 82104
<b>Interpretive Data:</b>	Please see report for interpretive data.
<b>Components:</b>	91014 - A-1-ANTITRYPSIN 93363 - A1 PHENOTYPE

**Please take note of changes to rejection criteria.**

**91355 Antimony**
**SRC/RRC**

<b>Specimen:</b>	
Collect:	<b>One Royal Blue (EDTA)</b>
Submit:	<b>6 mL (Min:0.5 mL) Whole blood in Royal Blue (EDTA). Submit Ambient.</b>
Special Handling:	Stability: If the specimen is drawn and stored in the appropriate container the trace element values do not change with time. Patient Preparation: 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).
Rejection Criteria:	Clotted Specimen Frozen Whole Blood Heparin Anticoagulant Specimens collected in tubes other than Royal Blue (EDTA). Specimens transported in containers other than a Royal Blue (EDTA) or Trace Element-Free Transport Tube.
<b>Methodology:</b>	Quantitative Inductively Coupled Plasma-Mass Spectrometry
<b>Performed:</b>	Sun-Sat
<b>Reported:</b>	2-4 Day(s)
<b>CPT Codes:</b>	83018

**Please take note of changes to specimen requirements and reference range.**

**Reference Range:** Less than or equal to 6.0 µg/L

**90110 Aripipazole and Metabolite**
**CC/AOE**

<b>Specimen:</b>									
Collect:	<b>One Red Top</b>  Also Acceptable One Lavender (EDTA) One Pink Top (EDTA)								
Submit:	<b>1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.</b>  Also Acceptable 1 mL (Min:0.5 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.								
Special Handling:	Separate serum from cells ASAP or within 2 hours of collection Draw prior to next dose.								
Rejection Criteria:	Gel barrier/serum separator tube								
Stability:	Ambient: 2 Week(s); Refrigerated: 2 Week(s); Frozen: 2 Week(s); Incubated: Unacceptable								
<b>Methodology:</b>	Quantitative Liquid Chromatography-Tandem Mass Spectrometry								
<b>Performed:</b>	Wednesday, Saturday								
<b>Reported:</b>	2-6 Day(s)								
<b>CPT Codes:</b>	80342								
<b>Interpretive Data:</b>	Please see report for interpretive data.								
<b>Components:</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">90111 - ARIPIPAZOLE</td> <td style="width: 50%;">90112 - DEOH ARIPIPAZOLE</td> </tr> <tr> <td>90113 - TOTAL+METABOLITE</td> <td>90025 - DOSE</td> </tr> <tr> <td>90026 - ROUTE</td> <td>90027 - DOSE FREQUENCY</td> </tr> <tr> <td>90028 - TYPE OF DRAW</td> <td></td> </tr> </table>	90111 - ARIPIPAZOLE	90112 - DEOH ARIPIPAZOLE	90113 - TOTAL+METABOLITE	90025 - DOSE	90026 - ROUTE	90027 - DOSE FREQUENCY	90028 - TYPE OF DRAW	
90111 - ARIPIPAZOLE	90112 - DEOH ARIPIPAZOLE								
90113 - TOTAL+METABOLITE	90025 - DOSE								
90026 - ROUTE	90027 - DOSE FREQUENCY								
90028 - TYPE OF DRAW									

**Please take note of changes to components and ask on order entry questions.**

**Component Change:**

**Remove:** 90025 DOSE, 90026 ROUTE, 90027 DOSE FREQUENCY, 90028 TYPE OF DRAW

**Ask on Order Entry Changes:**

**Remove:** 1124 Dose, 1125 Route, 1126 Dose Frequency, 1127 Type of Draw

**1019 Bilirubin, Total**
**RRC**

<b>Specimen:</b>	
Collect:	<b>One SST</b>  Also Acceptable One Green Top (Li Heparin) One Green Top (Na Heparin) One Lavender (EDTA) One Pink Top (EDTA) One Red Top
Submit:	<b>1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.</b>  Also Acceptable 1 mL (Min:0.5 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Protect from Light
Stability:	Ambient: 8 Hour(s); Refrigerated: 3 Day(s); Frozen: 3 Month(s); Incubated: Unacceptable
<b>Methodology:</b>	Colorimetric; Kinetic
<b>Performed:</b>	Mon-Fri
<b>Reported:</b>	1-3 Day(s)
<b>CPT Codes:</b>	82247
<b>Interpretive Data:</b>	General Reference Range : 0.0-1.2 mg/dL  Note: Samples from patients who have taken Naproxen have shown spurious elevation in Total Bilirubin levels.

**Please take note of change to reference range. For newborn Bilirubin use test 2006.**

**2006 Bilirubin, Total Newborn**
**RRC**

<b>Specimen:</b>																													
Collect:	<b>One SST</b>  Also Acceptable One Green Top (Li Heparin) One Green Top (Na Heparin) One Lavender (EDTA) One Pink Top (EDTA) One Red Top																												
Submit:	<b>1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.</b>  Also Acceptable 1 mL (Min:0.5 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.																												
Special Handling:	Protect from Light																												
Stability:	Ambient: 8 Hour(s); Refrigerated: 3 Day(s); Frozen: 3 Month(s); Incubated: Unacceptable																												
<b>Methodology:</b>	Colorimetric; Kinetic																												
<b>Performed:</b>	Mon-Fri																												
<b>Reported:</b>	1-3 Day(s)																												
<b>CPT Codes:</b>	82247																												
<b>Interpretive Data:</b>	General Reference Range : 0.0-17.7 mg/dL  <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Male Reference Ranges</th> <th colspan="2" style="text-align: center;">Female Reference Ranges</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0 - 1 day(s)</td> <td style="text-align: center;">0-8.7 mg/dL</td> <td style="text-align: center;">0 - 1 day(s)</td> <td style="text-align: center;">0-8.7 mg/dL</td> </tr> <tr> <td style="text-align: center;">1 - 2 day(s)</td> <td style="text-align: center;">0-13.3 mg/dL</td> <td style="text-align: center;">1 - 2 day(s)</td> <td style="text-align: center;">0-13.3 mg/dL</td> </tr> <tr> <td style="text-align: center;">2 - 5 day(s)</td> <td style="text-align: center;">0-17.7 mg/dL</td> <td style="text-align: center;">2 - 5 day(s)</td> <td style="text-align: center;">0-17.7 mg/dL</td> </tr> <tr> <td style="text-align: center;">5 - 14day(s)</td> <td style="text-align: center;">0.0-15.9 mg/dL</td> <td style="text-align: center;">5 - 14day(s)</td> <td style="text-align: center;">0.0-15.9 mg/dL</td> </tr> <tr> <td style="text-align: center;">15 - 30 day(s)</td> <td style="text-align: center;">0.0-13.4 mg/dL</td> <td style="text-align: center;">15 - 30 day(s)</td> <td style="text-align: center;">0.0-13.4 mg/dL</td> </tr> <tr> <td style="text-align: center;">30 day(s) – 150 year(s)</td> <td style="text-align: center;">0.0-1.2 mg/dL</td> <td style="text-align: center;">30 day(s) – 150 year(s)</td> <td style="text-align: center;">0.0-1.2 mg/dL</td> </tr> </tbody> </table>	Male Reference Ranges		Female Reference Ranges		0 - 1 day(s)	0-8.7 mg/dL	0 - 1 day(s)	0-8.7 mg/dL	1 - 2 day(s)	0-13.3 mg/dL	1 - 2 day(s)	0-13.3 mg/dL	2 - 5 day(s)	0-17.7 mg/dL	2 - 5 day(s)	0-17.7 mg/dL	5 - 14day(s)	0.0-15.9 mg/dL	5 - 14day(s)	0.0-15.9 mg/dL	15 - 30 day(s)	0.0-13.4 mg/dL	15 - 30 day(s)	0.0-13.4 mg/dL	30 day(s) – 150 year(s)	0.0-1.2 mg/dL	30 day(s) – 150 year(s)	0.0-1.2 mg/dL
Male Reference Ranges		Female Reference Ranges																											
0 - 1 day(s)	0-8.7 mg/dL	0 - 1 day(s)	0-8.7 mg/dL																										
1 - 2 day(s)	0-13.3 mg/dL	1 - 2 day(s)	0-13.3 mg/dL																										
2 - 5 day(s)	0-17.7 mg/dL	2 - 5 day(s)	0-17.7 mg/dL																										
5 - 14day(s)	0.0-15.9 mg/dL	5 - 14day(s)	0.0-15.9 mg/dL																										
15 - 30 day(s)	0.0-13.4 mg/dL	15 - 30 day(s)	0.0-13.4 mg/dL																										
30 day(s) – 150 year(s)	0.0-1.2 mg/dL	30 day(s) – 150 year(s)	0.0-1.2 mg/dL																										

**Please take note of changes to reference ranges.**

**91356 Bismuth, Blood**
**SRC/RRC**

<b>Specimen:</b>	
Collect:	<b>One Royal Blue (EDTA)</b>
Submit:	<b>6 mL (Min:0.5 mL) Whole blood in Royal Blue (EDTA). Submit Ambient.</b>
Special Handling:	Stability: If the specimen is drawn and stored in an appropriate container, the trace elements do not change with time.
Rejection Criteria:	Clotted Specimen Heparin Anticoagulant Specimen submitted frozen Specimens collected in tubes other than Royal Blue (EDTA). Specimens transported in containers other than a Royal Blue (EDTA) tube or Trace Element-Free Transport Tube.
<b>Methodology:</b>	Inductively Coupled Plasma Mass Spectrophotometry
<b>Performed:</b>	Sun-Sat
<b>Reported:</b>	2-4 Day(s)
<b>CPT Codes:</b>	83018

**Please take note of changes to specimen requirements and reference range.**

**Reference range:** Less than or equal to 5.0 µg/L

**90043 Bupropion**
**CC/AOE**

<b>Specimen:</b>							
Collect:	<b>One Red Top</b>  Also Acceptable One Lavender (EDTA) One Pink Top (EDTA)						
Submit:	<b>2 mL (Min:1.5 mL) Serum. Submit Frozen. Submit in a Standard Transport Tube.</b>  Also Acceptable 2 mL (Min:1.5 mL) Plasma. Submit Frozen. Submit in a Standard Transport Tube.						
Special Handling:	Critical Frozen Separate aliquot required for each frozen test ordered Separate from cells within 2 hours of collection Draw prior to next dose.						
Rejection Criteria:	Use of separator tubes Whole blood						
Stability:	Ambient: Unacceptable; Refrigerated: Unacceptable; Frozen: 1 Month(s); Incubated: Unacceptable						
<b>Methodology:</b>	Quantitative Liquid Chromatography-Tandem Mass Spectrometry						
<b>Performed:</b>	Wednesday, Saturday						
<b>Reported:</b>	2-6 Day(s)						
<b>CPT Codes:</b>	80338						
<b>Interpretive Data:</b>	Please see report for interpretive data.						
<b>Components:</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">90044 - BUPROPION</td> <td style="width: 50%; border: none;">90045 - DOSE</td> </tr> <tr> <td style="border: none;">90046 - ROUTE</td> <td style="border: none;">90047 - DOSE FREQUENCY</td> </tr> <tr> <td style="border: none;">90048 - TYPE OF DRAW</td> <td style="border: none;"></td> </tr> </table>	90044 - BUPROPION	90045 - DOSE	90046 - ROUTE	90047 - DOSE FREQUENCY	90048 - TYPE OF DRAW	
90044 - BUPROPION	90045 - DOSE						
90046 - ROUTE	90047 - DOSE FREQUENCY						
90048 - TYPE OF DRAW							

**Please take note of changes to components and ask on order entry questions.**

**Changing to single test under test number 90043.**

**Component Change:**

**Remove:** 90044 BUPROPION, 90045 DOSE, 90046 ROUTE, 90047 DOSE FREQUENCY, 90048 TYPE OF DRAW

**Ask on Order Entry Changes:**

**Remove:** 1124 Dose, 1125 Route, 1126 Dose Frequency, 1127 Type of Draw



**2758 Cardiovascular Disease Risk Panel + LDL Particle Analysis by VLP DC**  
**Panel has been discontinued.**

**90050 Desipramine CC/AOE**

<b>Specimen:</b>							
Collect:	<b>One Red Top</b> Also Acceptable One Lavender (EDTA) One Pink Top (EDTA)						
Submit:	<b>1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.</b> 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 Draw prior to next dose.						
Rejection Criteria:	Use of separator tubes Whole blood						
Stability:	Ambient: 5 Day(s); Refrigerated: 2 Week(s); Frozen: 6 Month(s); Incubated: Unacceptable						
<b>Methodology:</b>	Quantitative Liquid Chromatography-Tandem Mass Spectrometry						
<b>Performed:</b>	Monday, Wednesday, Friday						
<b>Reported:</b>	2-6 Day(s)						
<b>CPT Codes:</b>	80335						
<b>Interpretive Data:</b>	Please see report for interpretive data.						
<b>Components:</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">90051 - DESIPRAMINE</td> <td style="width: 50%; border: none;">90052 - DOSE</td> </tr> <tr> <td style="border: none;">90053 - ROUTE</td> <td style="border: none;">90054 - DOSE FREQUENCY</td> </tr> <tr> <td style="border: none;">90055 - TYPE OF DRAW</td> <td style="border: none;"></td> </tr> </table>	90051 - DESIPRAMINE	90052 - DOSE	90053 - ROUTE	90054 - DOSE FREQUENCY	90055 - TYPE OF DRAW	
90051 - DESIPRAMINE	90052 - DOSE						
90053 - ROUTE	90054 - DOSE FREQUENCY						
90055 - TYPE OF DRAW							

**Please take note of changes to components and ask on order entry questions.**  
**Changing to single test under test number 90050.**

**Component Change:**

**Remove:** 90051 DESIPRAMINE, 90052 DOSE, 90053 ROUTE, 90054 DOSE FREQUENCY, 90055 TYPE OF DRAW

**Ask on Order Entry Changes:**

**Remove:** 1124 Dose, 1125 Route, 1126 Dose Frequency, 1127 Type of Draw

**4110 E.coli Shiga-like Toxin**
**NT/AOE**

<b>Specimen:</b>	
Collect:	<b>Random Stool in Enteric Pathogen Transport Media</b>  Also Acceptable Live Pure Culture in Agar plate/slant
Submit:	<b>5 mL (Min:1 mL) Random Stool in Enteric Pathogen Transport Media. Submit Refrigerated.</b>  Also Acceptable Live Pure Culture in Agar plate/slant. Submit Ambient.
Rejection Criteria:	Stool in other transport media/preservative (exception Cary-Blair). Stool on Swab.
Stability:	Ambient: 2 Hour(s); Refrigerated: 3 Day(s); Frozen: 1 Week(s); Incubated: Unacceptable
<b>Methodology:</b>	Immunochromatographic Assay
<b>Performed:</b>	Sun-Sat
<b>Reported:</b>	1-3 Day(s)
<b>Interpretive Data:</b>	Please see report for interpretive data.
<b>Components:</b>	4110 - SHIGA TOXIN <span style="float: right;">4111 - REVIEW INDICATED</span>

**New test available.**
**Ask on Order Entry:** 1005 Source, 1006 Diagnosis, 1007 Antibiotics

**91517 Enterovirus by PCR**
**SRC**

<b>Specimen:</b>	
Collect:	<b>One Lavender (EDTA)</b>  Also Acceptable One Pink Top (EDTA) One SST CSF in Sterile Specimen Container Nasopharyngeal Swab in Viral Transport Media
Submit:	<b>1 mL (Min:0.5 mL) Plasma. Submit Frozen.</b>  Also Acceptable 1 mL (Min:0.5 mL) Serum. Submit Frozen. Submit in a Standard Transport Tube. Nasopharyngeal Swab in Viral Transport Media. Submit Frozen. 1 mL (Min:0.5 mL) CSF in Sterile Specimen Container. Submit Frozen.
Special Handling:	State Source
Rejection Criteria:	Hemolyzed specimens
Stability:	Ambient: 8 Hour(s); Refrigerated: 2 Day(s); Frozen: 3 Month(s); Incubated: Unacceptable
<b>Methodology:</b>	Qualitative Polymerase Chain Reaction (PCR)
<b>Performed:</b>	Sun-Sat
<b>Reported:</b>	2-3 Day(s)
<b>CPT Codes:</b>	87498

**Please take note of changes to specimen requirements.**

**1948 Hepatitis, Acute**
**SRC**

<b>Specimen:</b>	
Collect:	<b>One SST</b>  Also Acceptable Two Lavender (EDTA) One Pink Top (EDTA) One Red Top
Submit:	<b>3 mL (Min:2 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.</b>  Also Acceptable 3 mL (Min:2 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Minimize air exposure Separate from cells ASAP HBsAg Reflexes to HBsAg Confirmation (test #3155) if result is Positive. Additional charges will apply. 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.
Rejection Criteria:	Grossly Hemolyzed Samples Heat inactivated
Stability:	Ambient: 2 Hour(s); Refrigerated: 5 Day(s); Frozen: 3 Month(s); Incubated: Unacceptable
<b>Methodology:</b>	Electrochemiluminescence Immunoassay (ECLIA)
<b>Performed:</b>	Mon-Fri
<b>Reported:</b>	1-3 Day(s)
<b>CPT Codes:</b>	80074
<b>Interpretive Data:</b>	Please see report for interpretive data.
<b>Components:</b>	2201 - ANTI-HAV, IgM 2225 - ANTI-HBc, IgM 5892 - INTERP  2103 - HBsAg 2304 - ANTI-HCV

**Please take note of changes to confirmation testing.**

**1517 Hepatitis A,B,C Panel**
**SRC**

<b>Specimen:</b>	
Collect:	<b>One SST</b>  Also Acceptable Two Lavender (EDTA) One Pink Top (EDTA) One Red Top
Submit:	<b>3 mL (Min:2 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.</b>  Also Acceptable 3 mL (Min:2 mL) Plasma. Submit Refrigerated.
Special Handling:	Minimize air exposure Separate from cells ASAP HBsAg Reflexes to HBsAg Confirmation (test #3155) if result is Positive. Additional charges will apply.  Plasma stability: 2 days Refrigerated 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.
Rejection Criteria:	Grossly Hemolyzed Samples Heat inactivated Turbid Specimens
Stability:	Ambient: 2 Hour(s); Refrigerated: 5 Day(s); Frozen: 2 Month(s); Incubated: Unacceptable
<b>Methodology:</b>	Electrochemiluminescence Immunoassay (ECLIA)
<b>Performed:</b>	Mon-Fri
<b>Reported:</b>	1-3 Day(s)
<b>CPT Codes:</b>	86704 86706 86709 86803 87340
<b>Interpretive Data:</b>	Please see report for interpretive data.
<b>Components:</b>	2201 - ANTI-HAV, IgM 2103 - HBsAg 2104 - ANTI-HBs 2203 - ANTI-HBc, TOTAL 2304 - ANTI-HCV 5897 - INTERP

**Please take note of changes to confirmation testing.**

**1884 Hepatitis B+C Panel**
**SRC**

<b>Specimen:</b>							
Collect:	<b>One SST</b>  Also Acceptable Two Lavender (EDTA) One Pink Top (EDTA) One Red Top						
Submit:	<b>3 mL (Min:2 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.</b>  Also Acceptable 3 mL (Min:2 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.						
Special Handling:	Minimize air exposure Separate from cells ASAP HBsAg Reflexes to HBsAg Confirmation (test #3155) if result is Positive. Additional charges will apply.  Plasma Stability: 2 Days Refrigerated 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.						
Rejection Criteria:	Grossly Hemolyzed Samples Heat inactivated Turbid Specimens						
Stability:	Ambient: 2 Hour(s); Refrigerated: 5 Day(s); Frozen: 2 Month(s); Incubated: Unacceptable						
<b>Methodology:</b>	Electrochemiluminescence Immunoassay (ECLIA)						
<b>Performed:</b>	Mon-Fri						
<b>Reported:</b>	1-3 Day(s)						
<b>CPT Codes:</b>	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">86704</td> <td style="width: 50%;">86706</td> </tr> <tr> <td>86803</td> <td>87340</td> </tr> </table>	86704	86706	86803	87340		
86704	86706						
86803	87340						
<b>Interpretive Data:</b>	Please see report for interpretive data.						
<b>Components:</b>	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">2103 - HBsAg</td> <td style="width: 50%;">2104 - ANTI-HBs</td> </tr> <tr> <td>2203 - ANTI-HBc, TOTAL</td> <td>2304 - ANTI-HCV</td> </tr> <tr> <td>5881 - INTERP</td> <td></td> </tr> </table>	2103 - HBsAg	2104 - ANTI-HBs	2203 - ANTI-HBc, TOTAL	2304 - ANTI-HCV	5881 - INTERP	
2103 - HBsAg	2104 - ANTI-HBs						
2203 - ANTI-HBc, TOTAL	2304 - ANTI-HCV						
5881 - INTERP							

**Please take note of changes to confirmation testing.**



**2103 Hepatitis B Surface Antigen**
**SRC**

<b>Specimen:</b>	
Collect:	<b>One SST</b>  Also Acceptable One Green Top (Li Heparin) One Green Top (Na Heparin) One Lavender (EDTA) One Pink Top (EDTA) One Red Top
Submit:	<b>3 mL (Min:1.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.</b>  Also Acceptable 3 mL (Min:1.5 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	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 Reflexes to HBsAg Confirmation (test #3155) if result is Positive. Additional charges will apply.
Stability:	Ambient: 1 Day(s); Refrigerated: 6 Day(s); Frozen: 1 week(s); Incubated: Unacceptable
<b>Methodology:</b>	Electrochemiluminescence Immunoassay, Sandwich (ECLIA)
<b>Performed:</b>	Mon-Fri
<b>Reported:</b>	1-3 Day(s)
<b>CPT Codes:</b>	87340
<b>Interpretive Data:</b>	General Reference Range : negative  HBsAg INTERPRETIVE NOTES: NEGATIVE: NO EVIDENCE OF ACTIVE (ACUTE OR CHRONIC) HEPATITIS B VIRUS INFECTION. POSITIVE: CONSISTENT WITH ACTIVE (ACUTE OR CHRONIC) HEPATITIS B VIRUS INFECTION. PATIENT IS INFECTIVE FOR HEPATITIS B.  Biotin in specimens taken from patients on high-dose biotin therapy or supplements may interfere 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 confirmation testing and specimen requirements.**

**90241 Herpesvirus 6 Antibody, IgM by IFA, Serum**
**NC/SRC**

<b>Specimen:</b>	
Collect:	<b>One SST</b> Also Acceptable One Red Top
Submit:	<b>0.5 mL (Min:0.2 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.</b>
Stability:	Ambient: 1 Week(s); Refrigerated: 2 Week(s); Frozen: 1 Month(s); Incubated: Unacceptable
<b>Methodology:</b>	Semi-Quantitative Indirect Fluorescent Antibody
<b>Performed:</b>	Varies
<b>Reported:</b>	4-8 Day(s)
<b>CPT Codes:</b>	86790

**Please take note of changes to name, specimen requirements, and methodology.**

**91724 LDL Particle Analysis by Vertical Lipoprotein Particle (VLP) Flow Analyzer DC Test has been discontinued.**
**91160 Manganese**
**SRC**

<b>Specimen:</b>	
Collect:	<b>One Royal Blue (EDTA)</b>
Submit:	<b>6 mL (Min:0.5 mL) Whole blood in Royal Blue (EDTA). Submit Ambient.</b>
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 physician). Stability: If the specimen is drawn and stored in the appropriate container the trace element values do not change with time.
Rejection Criteria:	Clotted Specimen Heparin Anticoagulant Specimen submitted frozen Specimens collected in tubes other than Royal Blue (EDTA). Specimens transported in containers other than a Royal Blue (EDTA) tube or Trace Element-Free Transport Tube.
<b>Methodology:</b>	Quantitative Inductively Coupled Plasma-Mass Spectrometry
<b>Performed:</b>	Sun-Sat
<b>Reported:</b>	2-4 Day(s)
<b>CPT Codes:</b>	83785

**Please take note of changes to specimen requirements.**



**90070 Meprobamate**
**CC/AOE**

<b>Specimen:</b>							
Collect:	<b>One Red Top</b>  Also Acceptable One Lavender (EDTA) One Pink Top (EDTA)						
Submit:	<b>1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.</b>  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						
Rejection Criteria:	Use of separator tubes Whole blood						
Stability:	Ambient: 1 Week(s); Refrigerated: 1 Month(s); Frozen: 3 Month(s); Incubated: Unacceptable						
<b>Methodology:</b>	Quantitative Liquid Chromatography-Tandem Mass Spectrometry						
<b>Performed:</b>	Tuesday, Thursday, Sunday						
<b>Reported:</b>	2-5 Day(s)						
<b>CPT Codes:</b>	80369						
<b>Interpretive Data:</b>	Please see report for interpretive data.						
<b>Components:</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;"><del>90071 - MEPROBAMATE</del></td> <td style="width: 50%;"><del>90072 - DOSE</del></td> </tr> <tr> <td><del>90073 - ROUTE</del></td> <td><del>90074 - DOSE FREQUENCY</del></td> </tr> <tr> <td><del>90075 - TYPE OF DRAW</del></td> <td></td> </tr> </table>	<del>90071 - MEPROBAMATE</del>	<del>90072 - DOSE</del>	<del>90073 - ROUTE</del>	<del>90074 - DOSE FREQUENCY</del>	<del>90075 - TYPE OF DRAW</del>	
<del>90071 - MEPROBAMATE</del>	<del>90072 - DOSE</del>						
<del>90073 - ROUTE</del>	<del>90074 - DOSE FREQUENCY</del>						
<del>90075 - TYPE OF DRAW</del>							

**Please take note of changes to components and ask on order entry questions.  
 Changing to single test under test number 90070.**

**Component Change:**

**Remove:** 90071 MEPROBAMATE, 90072 DOSE, 90073 ROUTE, 90074 DOSE FREQUENCY, 90075 TYPE OF DRAW

**Ask on Order Entry Changes:**

**Remove:** 1124 Dose, 1125 Route, 1126 Dose Frequency, 1127 Type of Draw

**90090 Mexiletine**
**CC/AOE**

<b>Specimen:</b>							
Collect:	<b>One Red Top</b>  Also Acceptable One Lavender (EDTA) One Pink Top (EDTA)						
Submit:	<b>1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.</b>  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						
Rejection Criteria:	Use of separator tubes Whole blood						
Stability:	Ambient: 2 Day(s); Refrigerated: 5 Day(s); Frozen: 2 Month(s); Incubated: Unacceptable						
<b>Methodology:</b>	Quantitative Liquid Chromatography-Tandem Mass Spectrometry						
<b>Performed:</b>	Monday, Thursday, Saturday						
<b>Reported:</b>	2-6 Day(s)						
<b>CPT Codes:</b>	80299						
<b>Interpretive Data:</b>	Please see report for interpretive data.						
<b>Components:</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">90091 - MEXILETINE</td> <td style="width: 50%; border: none;">90092 - DOSE</td> </tr> <tr> <td style="border: none;">90093 - ROUTE</td> <td style="border: none;">90094 - DOSE FREQUENCY</td> </tr> <tr> <td style="border: none;">90095 - TYPE OF DRAW</td> <td style="border: none;"></td> </tr> </table>	90091 - MEXILETINE	90092 - DOSE	90093 - ROUTE	90094 - DOSE FREQUENCY	90095 - TYPE OF DRAW	
90091 - MEXILETINE	90092 - DOSE						
90093 - ROUTE	90094 - DOSE FREQUENCY						
90095 - TYPE OF DRAW							

**Please take note of changes to components and ask on order entry questions.**

**Component Change:**

**Remove:** 90091 MEXILETINE, 90092 DOSE, 90093 ROUTE, 90094 DOSE FREQUENCY, 90095 TYPE OF DRAW

**Ask on Order Entry Changes:**

**Remove:** 1124 Dose, 1125 Route, 1126 Dose Frequency, 1127 Type of Draw

**91403 Neisseria Gonorrhoea Antibody by CF, Serum**
**CPT/SRC**

<b>Specimen:</b>	
Collect:	<b>One SST</b> Also Acceptable One Red Top
Submit:	<b>1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.</b>
Stability:	Ambient: 1 Week(s); Refrigerated: 2 Week(s); Frozen: 1 Month(s); Incubated: Unacceptable
<b>Methodology:</b>	Semi-Quantitative Complement Fixation
<b>Performed:</b>	Varies
<b>Reported:</b>	4-8 Day(s)
<b>CPT Codes:</b>	86609

**Please take note of changes to specimen requirements and CPT coding.**

**4113 Stool Culture and E.coli Shiga-like Toxin**
**NT**

<b>Specimen:</b>	
Collect:	<b>Two Random Stool in Enteric Pathogen Transport Media</b>
Submit:	<b>Random Stool in Enteric Pathogen Transport Media. Submit Ambient.</b> <b>5 mL (Min:1 mL) Random Stool in Enteric Pathogen Transport Media. Submit Refrigerated.</b>
Special Handling:	See Individual Components for Special Handling and Alternate Sample Types. Submit two specimens: one ambient for Stool Culture, one refrigerated for E.coli Shiga-like Toxin.
Rejection Criteria:	See Individual Components.
<b>Methodology:</b>	See Individual Components
<b>Performed:</b>	Sun-Sat
<b>Reported:</b>	4-5 Day(s)
<b>Interpretive Data:</b>	Please see report for interpretive data.
<b>Components:</b>	4060 - STOOL CULTURE <span style="float: right;">4110 - SHIGA TOXIN</span>

**New test available.**

**91565 Thallium**
**SRC/RRC**

<b>Specimen:</b>	
Collect:	<b>One Royal Blue (EDTA)</b>
Submit:	<b>7 mL (Min:0.5 mL) Whole blood. Submit Ambient.</b>
Special Handling:	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). If sample is drawn and stored in the appropriate container the trace element values do not change with time.
Rejection Criteria:	Clotted Specimen Heparin Anticoagulant Specimen submitted frozen Specimens collected in tubes other than Royal Blue (EDTA). Specimens transported in containers other than a Royal Blue (EDTA) tube or Trace Element-Free Transport Tube.
<b>Methodology:</b>	Quantitative Inductively Coupled Plasma-Mass Spectrometry
<b>Performed:</b>	Sun-Sat
<b>Reported:</b>	2-4 Day(s)
<b>CPT Codes:</b>	83018

**Please take note of changes to specimen requirements and reference range.**

**Reference range:**

Less than or equal to 2.0 µg/L

**91238 Viscosity, Serum**
**SRC/RRC**

<b>Specimen:</b>	
Collect:	<b>One SST</b> Also Acceptable One Red Top
Submit:	<b>1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.</b>
Special Handling:	Separate from cells ASAP
Rejection Criteria:	Clotted Specimen Clotted specimens
Stability:	Ambient: 1 Day(s); Refrigerated: 7 Day(s); Frozen: 1 Month(s); Incubated: Unacceptable
<b>Methodology:</b>	Quantitative Viscometry
<b>Performed:</b>	Mon-Fri
<b>Reported:</b>	2-5 Day(s)
<b>CPT Codes:</b>	85810

**Please take note of changes to specimen requirements and reference range.**

**Reference Range:**

1.10 - 1.40 cP

**91228 Vitamin B6**
**SRC**

<b>Specimen:</b>	
Collect:	<b>One Green Top (Li Heparin)</b> Also Acceptable One Green Top (Na Heparin) One Lavender (EDTA) One Pink Top (EDTA) One Red Top One SST
Submit:	<b>1 mL (Min:0.5 mL) Plasma. Submit Frozen. Submit in a Standard Transport Tube.</b>
Special Handling:	Separate aliquot required for each frozen test ordered Separate from cells ASAP Collect after overnight fast. Protect from light during collection, storage, and shipment.
Rejection Criteria:	Hemolyzed specimens Specimen not protected from light Whole blood
Stability:	Ambient: Unacceptable; Refrigerated: 1 Week(s); Frozen: 2 Month(s); Incubated: Unacceptable
<b>Methodology:</b>	Quantitative High Performance Liquid Chromatography-Tandem Mass Spectrometry
<b>Performed:</b>	Sun-Sat
<b>Reported:</b>	2-5 Day(s)
<b>CPT Codes:</b>	84207

**Please take note of changes to specimen requirements.**

**2645 Von Willebrand Panel**
**CC**

<b>Specimen:</b>	
Collect:	<b>Two Blue Top (Na Citrate)</b>
Submit:	<b>Two 2 mL (Min:1 mL) Plasma. Submit Frozen. Submit in a Standard Transport Tube.</b>
Special Handling:	Submit two separate frozen aliquots with 2 mLs in each transfer tube. CRITICAL FROZEN!
Rejection Criteria:	Collection tube not properly filled Hemolyzed specimens
Stability:	Ambient: 4 Hour(s); Refrigerated: Unacceptable; Frozen: 2 Week(s); Incubated: Unacceptable
<b>Methodology:</b>	Photo Optical Clot Detection
<b>Performed:</b>	Wednesday
<b>Reported:</b>	2-8 Day(s)
<b>CPT Codes:</b>	85240 85245 85246
<b>Components:</b>	2646 - VWF:Ag 93046 - VWF:ACTIVITY 93042 - FACTOR VIII ACT. <b>2647 - VWF:ACTIVITY</b>

**Please take note of changes to components. Effective as of 1/23/19.**

**Component Change:**

Add: 93046 VWF ACTIVITY

Remove: 2647 VWF ACTIVITY