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 16th, 2020

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
5016	ACTH				◆				
2631	AFP Tumor Marker				◆				
80829	Allergy - Immunocap, Crop Panel		◆	◆					
80205	Allergy - Immunocap, Cultivated Wheat Pollen [IgE]	◆							
80823	Allergy - Immunocap, Inhalant Panel NW		◆	◆					
80807	Allergy - Immunocap, NW Region II [IgE]		◆	◆					
80825	Allergy - Immunocap, NW Region Pollen Panel		◆	◆					
80113	Allergy - Immunocap; Russian Olive [IgE]							◆	
80260	Allergy - Immunocap, Sugar Beet [IgE]							◆	
80822	Allergy - Immunocap Tree Panel		◆	◆					
2870	Anti-SARS-CoV-2 IgM and IgG				◆				
90043	Bupropion and Metabolite	◆	◆		◆	◆			
2629	CA 15-3				◆				
5019	CA 19-9				◆				
91047	Carnitine, Free & Total	◆	◆	◆					
3710	Crystals, Body Fluid				◆				
3703	Crystals, Synovial Fluid				◆				
2214	DHEA Sulfate				◆				
93700	Drugs of Abuse, Serum (Medical)				◆				
91324	Hemosiderin, Urine Qualitative				◆	◆			
2201	Hepatitis A Virus Antibody, IgM				◆				
2501	Hepatitis A Virus Antibody, Total				◆				
2224	Homocysteine				◆	◆			
93625	Myelin Basic Protein, CSF				◆				
2340	Rubella				◆				
2643	Rubella Ab, IgG				◆				
5019	Sex Hormone Binding Globulin				◆				
4113	Stool Culture and E.coli Shiga-like Toxin		◆						◆
2187	T3 Total				◆				
2001	T3 Uptake				◆				
90162	CU Index				◆				

5016 ACTH SRC

Specimen:	
Collect:	**One Lavender (EDTA)** Also Acceptable One PinkTop (EDTA)
Submit:	**1 mL (Min:0.5 mL) Plasma. Submit Frozen. Submit in a Standard Transport Tube.**
Special Handling:	Avoid Repeated Freeze/Thaw Cycles Critical Frozen 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. Draw in a chilled tube, spin immediately, separate and freeze in a plastic tube.
Rejection Criteria:	Specimen not submitted frozen
Stability:	Ambient: 2 Hour(s); Refrigerated: 3 Hour(s); Frozen: 10 Week(s); Incubated: Unacceptable
Methodology:	Electrochemiluminescence
Performed:	Mon-Fri
Reported:	1-3 Day(s)
CPT Codes:	82024
Interpretive Data:	General Reference Range : 7.2-63.3 pg/mL 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 stability.

2631 AFP Tumor Marker SRC

Specimen:	
Collect:	**One SST** Also Acceptable One Green Top (Li Heparin) One Green Top (Na 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:	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. Allow specimen to clot completely
Stability:	Ambient: 5 Day(s); Refrigerated: 14 Day(s); Frozen: 6 Month(s); Incubated: Unacceptable
Methodology:	Electrochemiluminescence Immunoassay (ECLIA)
Performed:	Mon-Fri
Reported:	1-3 Day(s)
CPT Codes:	82105
Interpretive Data:	General Reference Range : 0-7.00 IU/mL The Roche e601 AFP electrochemiluminescent immunoassay is used. Results obtained with different assay methods or kits cannot be used interchangeably. 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 collection requirements and stabilility.

80829 Allergy - Immunocap, Crop Panel CC/CPT

Specimen:	
Collect:	**One SST** Also Acceptable One Green Top (Li Heparin) One Green Top (Na 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:	Avoid Repeated Freeze/Thaw Cycles Recommend a Total IgE (Test 2274) be ordered in addition to allergen testing.
Stability:	Ambient: 1 Day(s); Refrigerated: 1 Week(s); Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	Fluorescent Enzyme Immunoassay (ImmunoCAP)
Performed:	Monday, Wednesday, Friday
Reported:	2-3 Day(s)
CPT Codes:	86003x3
Interpretive Data:	Please see report for interpretive data.
Components:	80263 - ALFALFA 80205 – WHEAT POLLEN 80206 - CORN POLLEN 80260 - SUGAR-BEET

Please take note of changes to CPT codes and components.
Component changes:
Remove: 80260 - SUGAR-BEET

80205 Allergy - Immunocap, Cultivated Wheat Pollen [IgE] NC

Please take note of change to test name.

80823 Allergy - Immunocap, Inhalant Panel NW CC/CPT

Specimen:	
Collect:	**One SST** Also Acceptable Two Green Top (Li Heparin) Two Green Top (Na Heparin) Two Lavender (EDTA) Two PinkTop (EDTA) Two Red Top
Submit:	**4 mL (Min:3 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.** Also Acceptable 4 mL (Min:3 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Avoid Repeated Freeze/Thaw Cycles Recommend a Total IgE (Test 2274) be ordered in addition to allergen testing.
Stability:	Ambient: 1 Day(s); Refrigerated: 1 Week(s); Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	Fluorescent Enzyme Immunoassay (ImmunoCAP)
Performed:	Monday, Wednesday, Friday
Reported:	2-3 Day(s)
CPT Codes:	86003x16
Interpretive Data:	Please see report for interpretive data.
Components:	80210 - TIMOTHY GRASS 80110 - ELM 80255 - FIREBUSH, KOCHIA 80261 - RAGWEED, COMMON 80207 - ORCHARD GRASS 80112 - LOCUST 80253 - LAMB'S QUARTER 80100 - MAPLE/BOX ELDER 80252 - PIGWEED, COMMON 80104 - COTTONWOOD 80103 - OAK 80250 - MUGWORT 80256 - SHEEP SORREL 80102 - COMMON BIRCH 80113 - RUSSIAN OLIVE 80251 - RUSSIAN THISTLE 80211 - KENTUCKY BLUE

Please take note of changes to CPT codes and components.
Component changes:
Remove: 80113 – RUSSIAN OLIVE

80807 Allergy - Immunocap, NW Region II [IgE] CC/CPT

Specimen:		
Collect:	**One SST** Also Acceptable Two Green Top (Li Heparin) Two Green Top (Na Heparin) Two Lavender (EDTA) Two Pink Top (EDTA) Two Red Top	
Submit:	**4 mL (Min:3 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.** Also Acceptable 4 mL (Min:3 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.	
Special Handling:	Avoid Repeated Freeze/Thaw Cycles Recommend a Total IgE (Test 2274) be ordered in addition to allergen testing.	
Stability:	Ambient: 1 Day(s); Refrigerated: 1 Week(s); Frozen: 12 Month(s); Incubated: Unacceptable	
Methodology:	Fluorescent Enzyme Immunoassay (ImmunoCAP)	
Performed:	Monday, Wednesday, Friday	
Reported:	2-3 Day(s)	
CPT Codes:	86003x20	
Interpretive Data:	Please see report for interpretive data.	
Components:	80100 - MAPLE/BOX ELDER	80102 - COMMON BIRCH
	80103 - OAK	80104 - COTTONWOOD
	80105 - WALNUT, TREE	80106 - SYCAMORE
	80109 - MOUNTAIN JUNIPER	80110 - ELM
	80112 - LOCUST	80113 - RUSSIAN OLIVE
	80251 - RUSSIAN THISTLE	80252 - PIGWEED, COMMON
	80253 - LAMB'S QUARTER	80255 - FIREBUSH, KOCHIA
	80256 - SHEEP SORREL	80257 - RAGWEED, WESTERN
	80259 - ENGLISH PLANTAIN	80264 - SAGEBRUSH

Please take note of changes to CPT codes and components.
Component changes:
Remove: 80113 – RUSSIAN OLIVE

80825 Allergy - Immunocap, NW Region Pollen Panel CC/CPT

Specimen:		
Collect:	**One SST** Also Acceptable Two Green Top (Li Heparin) Two Green Top (Na Heparin) Two Lavender (EDTA) Two PinkTop (EDTA) Two Red Top	
Submit:	**4 mL (Min:3 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.** Also Acceptable 4 mL (Min:3 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.	
Special Handling:	Avoid Repeated Freeze/Thaw Cycles Recommend a Total IgE (Test 2274) be ordered in addition to allergen testing.	
Stability:	Ambient: 1 Day(s); Refrigerated: 1 Week(s); Frozen: 12 Month(s); Incubated: Unacceptable	
Methodology:	Fluorescent Enzyme Immunoassay (ImmunoCAP)	
Performed:	Monday, Wednesday, Friday	
Reported:	2-3 Day(s)	
CPT Codes:	86003x15	
Interpretive Data:	Please see report for interpretive data.	
Components:	80210 - TIMOTHY GRASS 80250 - MUGWORT 80207 - ORCHARD GRASS 80102 - COMMON BIRCH 80251 - RUSSIAN THISTLE 80256 - SHEEP SORREL 80110 - ELM 80103 - OAK	80202 - BROME GRASS 80104 - COTTONWOOD 80252 - PIGWEED, COMMON 80258 - RAGWEED, FALSE 80201 - REDTOP GRASS 80100 - MAPLE/BOX ELDER 80113 - RUSSIAN OLIVE 80112 - LOCUST

Please take note of changes to CPT codes and components.

Component changes:

Remove: 80113 – RUSSIAN OLIVE

80113 Allergy - Immunocap; Russian Olive [IgE] DT

Please take note test is being discontinued.

80260 Allergy - Immunocap, Sugar Beet [IgE] DT

Please take note test is being discontinued.

80822 Allergy - Immunocap Tree Panel CC/CPT

Specimen:	
Collect:	**One SST** Also Acceptable Two Green Top (Li Heparin) Two Green Top (Na Heparin) Two Lavender (EDTA) Two Pink Top (EDTA) Two Red Top
Submit:	**4 mL (Min:3 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.** Also Acceptable 4 mL (Min:3 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Avoid Repeated Freeze/Thaw Cycles Recommend a Total IgE (Test 2274) be ordered in addition to allergen testing
Stability:	Ambient: 1 Day(s); Refrigerated: 1 Week(s); Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	Fluorescent Enzyme Immunoassay (ImmunoCAP)
Performed:	Monday, Wednesday, Friday
Reported:	2-3 Day(s)
CPT Codes:	86003x8
Interpretive Data:	Please see report for interpretive data.
Components:	80102 - COMMON BIRCH 80107 - WILLOW 80108 - PINE, WHITE 80113 - RUSSIAN OLIVE 80100 - MAPLE/BOX ELDER 80112 - LOCUST 80104 - COTTONWOOD 80110 - ELM 80109 - MOUNTAIN JUNIPER

Please take note of changes to CPT codes and components.
Component changes:
Remove: 80113 – RUSSIAN OLIVE

2870 Anti-SARS-CoV-2 IgM and IgG SRC

Specimen:	
Collect:	**One SST** Also Acceptable Green Top (Li Heparin)
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.
Rejection Criteria:	Heat inactivated Sample stabalized with azide.
Stability:	Ambient: 7 Day(s); Refrigerated: 7 Day(s); Frozen: 4 Week(s); Incubated: Unacceptable
Methodology:	Electrochemiluminescence Immunoassay (ECLIA)
Performed:	Mon-Fri
Reported:	1-4 Day(s)
CPT Codes:	86769
Interpretive Data:	General Reference Range : non-reactive This test cannot be used by itself to diagnose an acute infection. Testing with a molecular diagnostic method (e.g., SARS-CoV-2 by PCR) should be performed to evaluate for active infection. It is not known at this time if the presence of antibodies to SARS-CoV-2 confers immunity to reinfection. The individual immune response following SARS-CoV-2 infection (COVID-19) varies considerably and might give different results with assays from different manufacturers. Results of assays from different manufacturers should not be used interchangeably. FOR INFORMATION ABOUT THE KNOWN AND POTENTIAL RISKS AND BENEFITS OF THE EMERGENCY USE OF THIS SARS-COV-2 (COVID-19) ANTIBODY TEST, GO TO: www.fda.gov/media/137603/download (FOR HEALTHCARE PROVIDERS), OR: www.fda.gov/media/137604/download (FOR PATIENTS).

Please take note of change to stability.

90043 Bupropion and Metabolite NC/CC/SRC/RRC

Specimen:	
Collect:	**One Red Top** Also Acceptable One Gray Top One Green Top (Li Heparin) One Lavender (EDTA) One Pink Top (EDTA)
Submit:	**2 mL (Min:0.5 mL) Serum. Submit Frozen. Submit in a Standard Transport Tube.** Also Acceptable 2 mL (Min:0.5 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: 2 Week(s); Incubated: Unacceptable
Methodology:	Quantitative Liquid Chromatography-Tandem Mass Spectrometry
Performed:	Monday
Reported:	10-12 Day(s)
CPT Codes:	80338
Components:	90318 - BUPROPION 90319 - HYDROXYBUPROPION

Please take note of changes to collection and submit requirements, stability, CPT codes, components, and reference ranges.

Component Changes:

Add: 90318 – BUPROPION; 90319 - HYDROXYBUPROPION

Reference Range changes:

Bupropion: Theraputic range 10-100 ng/mL
Hydroxybupropion: Theraputic range 850-1500 ng/mL

2629 CA 15-3 SRC

Specimen:	
Collect:	**One SST** Also Acceptable One Green Top (Li Heparin) One Green Top (Na Heparin) One Lavender (EDTA) One PinkTop (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 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: 2 Day(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:	86300
Interpretive Data:	General Reference Range : 0-25 U/mL The Roche e601 CA 15-3 electrochemiluminescent immunoassay is used. Results obtained with different methods or kits cannot be used interchangeably. The CA 15-3 assay is used to aid in the management of Stage II and III breast cancer patients. Serial testing for patient CA 15-3 assay values should be used in conjunction with other clinical methods for monitoring breast cancer. Patients with confirmed breast carcinoma frequently have CA 15-3 assay values in the same range as healthy individuals. Elevations may be observed in patients with nonmalignant disease. For these reasons, a CA 15-3 assay value, regardless of level, should not be interpreted as absolute evidence of the presence or absence of malignant disease. 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 change to stability.

5019 CA 19-9 SRC

Specimen:	
Collect:	**One SST** Also Acceptable One Green Top (Li Heparin) One Green Top (Na Heparin) One Lavender (EDTA) One PinkTop (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. Separate from cells ASAP
Stability:	Ambient: 5 Day(s); Refrigerated: 14 Day(s); Frozen: 3 Month(s); Incubated: Unacceptable
Methodology:	Electrochemiluminescence Immunoassay (ECLIA)
Performed:	Mon-Fri
Reported:	1-3 Day(s)
CPT Codes:	86301
Interpretive Data:	General Reference Range : 0-37 U/mL The Roche e601 CA 19-9 electrochemiluminescent immunoassay is used. Results obtained with different assay methods or kits cannot be used interchangeably. CA 19-9 is useful in monitoring pancreatic, hepatobiliary, gastric, hepatocellular, and colorectal cancer. The CA 19-9 assay value, regardless of level, should not be interpreted as absolute evidence of the presence or absence of malignant disease. 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 stability.

91047 Carnitine, Free and Total NC/CC/CPT

Specimen:	
Collect:	**One Green Top (Li Heparin)** Also Acceptable One Green Top (Na Heparin) One Red Top
Submit:	**0.5 mL (Min:0.2 mL) Plasma. Submit Frozen. Submit in a Standard Transport Tube.** Also Acceptable 0.5 mL (Min:0.2 mL) Serum. Submit Frozen. Submit in a Standard Transport Tube.
Special Handling:	Avoid Repeated Freeze/Thaw Cycles Critical Frozen Separate aliquot required for each frozen test ordered Separate from cells ASAP
Rejection Criteria:	Room temperature specimens. Specimens that have been refrigerated for greater than 12 hours.
Stability:	Ambient: Unacceptable; Refrigerated: 12 Hour(s); Frozen: 1 Month(s); Incubated: Unacceptable
Methodology:	Tandem Mass Spectrometry
Performed:	Tuesday, Wednesday, Thursday, Friday, Saturday
Reported:	2-5 Day(s)
CPT Codes:	82379
Components:	90321 - CARNITINE, FREE 90322 - CARNITINE, TOTAL 90323 - CARNITINE, ESTER 90324 - E/F RATIO

Please take note of changes to name, CPT codes, and components.

Component Changes:

Add: 90321 - CARNITINE, FREE; 90322 - CARNITINE, TOTAL; 90323 - CARNITINE, ESTER; 90324 - E/F RATIO

3710 Crystals, Body Fluid SRC

Specimen:	
Collect:	**Body Fluid in Sterile Specimen Container** Also Acceptable Body Fluid in Green Top (Na Heparin)
Submit:	**1 mL (Min:0.5 mL) Body Fluid in Green Top (Na Heparin). Submit Refrigerated.** Also Acceptable 1 mL (Min:0.5 mL) Body Fluid in Sterile Specimen Container. Submit Refrigerated.
Rejection Criteria:	Clotted Specimen DO NOT submit samples in syringe with needle attached.
Stability:	Ambient: 4 Hour(s); Refrigerated: 12 Hour(s); Frozen: Unacceptable; Incubated: Unacceptable
Methodology:	Microscopy
Performed:	Sun-Sat
Reported:	1-2 Day(s)
CPT Codes:	89060
Interpretive Data:	General Reference Range : none seen

Please take note of changes to collection and submit requirements (removal of Lavendar top EDTA collections).

3703 Crystals, Synovial Fluid SRC

Specimen:	
Collect:	**Synovial Fluid in Sterile Specimen Container** Also Acceptable Synovial Fluid in Green Top (Na Heparin)
Submit:	**1 mL (Min:0.5 mL) Synovial Fluid in Green Top (Na Heparin). Submit Refrigerated.** Also Acceptable 1 mL (Min:0.5 mL) Synovial Fluid in Sterile Specimen Container. Submit Refrigerated.
Rejection Criteria:	Clotted Specimen Samples will be rejected if needle is sent with sample.
Stability:	Ambient: 4 Hour(s); Refrigerated: 12 Hour(s); Frozen: Unacceptable; Incubated: Unacceptable
Methodology:	Microscopy
Performed:	Mon-Fri
Reported:	1-3 Day(s)
CPT Codes:	89060
Interpretive Data:	General Reference Range : none seen

Please take note of changes to collection and submit requirements (removal of Lavendar top EDTA collections).

2214 DHEA Sulfate SRC

Specimen:

Collect:	**One SST** Also Acceptable One Gray Top One Green Top (Li Heparin) One Green Top (Na 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.
Stability:	Ambient: 5 Day(s); Refrigerated: 14 Day(s); Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	Electrochemiluminescence Immunoassay (ECLIA)
Performed:	Mon-Fri
Reported:	1-3 Day(s)
CPT Codes:	82627

Interpretive Data:

Male Reference Ranges	
0 - 1 week(s)	108-607 ug/dL
1 week(s) - 9 month(s)	31.6-431 ug/dL
9 month(s) - 1 year(s)	3.4-124 ug/dL
1 - 5 year(s)	0.47-19.4 ug/dL
5 - 10 year(s)	2.8-85.2 ug/dL
10 - 15 year(s)	24.4-247 ug/dL
15 - 20 year(s)	70.2-492 ug/dL
20 - 25 year(s)	211-492 ug/dL
25 - 35 year(s)	160-449 ug/dL
35 - 45 year(s)	88.9-427 ug/dL
45 - 55 year(s)	44.3-331 ug/dL
55 - 65 year(s)	51.7-295 ug/dL
65 - 75 year(s)	33.6-249 ug/dL
75 - 150 year(s)	16.2-123 ug/dL

Female Reference Ranges	
0 - 1 week(s)	108-607 ug/dL
1 week(s) - 9 month(s)	31.6-431 ug/dL
9 month(s) - 1 year(s)	3.4-124 ug/dL
1 - 5 year(s)	0.47-19.4 ug/dL
5 - 10 year(s)	2.8-85.2 ug/dL
10 - 15 year(s)	33.9-280 ug/dL
15 - 20 year(s)	65.1-368 ug/dL
20 - 25 year(s)	148-407 ug/dL
25 - 35 year(s)	98.8-340 ug/dL
35 - 45 year(s)	60.9-337 ug/dL
45 - 55 year(s)	35.4-256 ug/dL
55 - 65 year(s)	18.9-205 ug/dL
65 - 75 year(s)	9.40-246 ug/dL
75 - 150 year(s)	12.0-154 ug/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 stability.

93700 Drugs of Abuse, Serum (Medical) SRC

Specimen:	
Collect:	**Two Gray Top** Also Acceptable Two Green Top (Na Heparin) Two Lavender (EDTA) One Pink Top (EDTA) One Red Top
Submit:	**4 mL (Min:3 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.** Also Acceptable 4 mL (Min:3 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Avoid Repeated Freeze/Thaw Cycles Separate from cells ASAP Also acceptable: Serum Note: Cocaine and cocaethylene are more stable in fluoride-preserved plasma than serum. Screen-positive specimens are automatically confirmed by GC/MS and/or LC-MS/MS. Additional charges will apply.
Rejection Criteria	Hemolyzed specimens Use of separator tubes
Stability:	Ambient: 1 Week(s); Refrigerated: 2 Week(s); Frozen: 24 Month(s); Incubated: Unacceptable
Methodology:	Qualitative Enzyme-Linked Immunosorbent Assay; Quantitative Gas Chromatography-Mass Spectrometry; Quantitative Liquid Chromatography-Tandem Mass Spectrometry
Performed:	Sun-Sat
Reported:	2-5 Day(s)
CPT Codes:	80307
Interpretive Data:	Please see report for interpretive data.
Components:	93701 - MARIJUANA 93702 - COCAINE 93703 - OPIATES 93704 - PHENCYCLIDINE 93705 - AMPHETAMINE 93706 - BARBITURATES 93707 - METHADONE 93708 - BENZODIAZEPINE 90183 - BUPRENORPHINE 93891 - OXYCODONE 93892 - METHAMPHETAMINE 93710 - COMMENTS

Please take note of changes to rejection criteria.

91324 Hemosiderin, Urine Qualitative SRC/RRC

Specimen:	
Collect:	**Random Urine in Sterile Specimen Container**
Submit:	**4 mL (Min:1 mL) Random Urine in Sterile Specimen Container. Submit Frozen.**
Special Handling:	First morning void preferred
Stability:	Ambient: 1 Hour(s); Refrigerated: 1 Week(s); Frozen: 1 Week(s); Incubated: Unacceptable
Methodology:	Qualitative Microscopy
Performed:	Sun-Sat
Reported:	2-5 Day(s)
CPT Codes:	83070

Please take note of changes to stability, methodology, and reference range.
Reference Range: Absent

2201 Hepatitis A Virus Antibody, IgM SRC

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:	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
Rejection Criteria:	Heat inactivated
Stability:	Ambient: 7 Day(s); Refrigerated: 14 Day(s); Frozen: 3 Month(s); Incubated: Unacceptable
Methodology:	Electrochemiluminescence Immunoassay (ECLIA)
Performed:	Mon-Fri
Reported:	1-3 Day(s)
CPT Codes:	86709
Interpretive Data:	General Reference Range : negative ANTI-HAV IgM INTERPRETIVE NOTES: NEGATIVE: NO SEROLOGIC EVIDENCE OF ACUTE HEPATITIS A VIRUS INFECTION. POSITIVE: POSITIVE ANTI-HAV IGM IS CONSISTENT WITH CURRENT OR RECENT HEPATITIS A VIRUS INFECTION. PATIENT IS INFECTIVE FOR HEPATITIS A. 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 stability.

2501 Hepatitis A Virus Antibody, Total SRC

Specimen:	
Collect:	**One SST** Also Acceptable One Green Top (Li Heparin) One Green Top (Na 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:	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
Rejection Criteria:	Heat inactivated
Stability:	Ambient: 6 Day(s); Refrigerated: 14 Day(s); Frozen: 3 Month(s); Incubated: Unacceptable
Methodology:	Electrochemiluminescence Immunoassay, Competition (ECLIA)
Performed:	Sunday, Mon-Fri
Reported:	1-3 Day(s)
CPT Codes:	86708
Interpretive Data:	General Reference Range : negative 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 collection requirements and stabilility.

2224 Homocysteine SRC/RRC

Specimen:	
Collect:	**One Lavender (EDTA)** Also Acceptable One Green Top (Li Heparin) One Pink Top (EDTA) One Red Top One SST
Submit:	**0.5 mL (Min:0.3 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.** Also Acceptable 0.5 mL (Min:0.3 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Allow specimen to clot completely ON ICE. Avoid repeated freeze and thaw cycles. Store specimen on ice between collecting and centrifugation. Samples may be kept on ice for up to 6 hours prior to separation by centrifugation. Avoid air exposure longer than 3 hours. **Due to instability of specimen, homocysteine cannot be added to previously drawn specimens**
Rejection Criteria:	Grossly Hemolyzed Samples Heat inactivated Lipemic Samples Microbial Contamination Specimen submitted at room temperature Specimens containing particulate matter (Fibrin, RBC, or other matter)
Stability:	Ambient: Unacceptable; Refrigerated: 2 Week(s); Frozen: 8 Month(s); Incubated: Unacceptable
Methodology:	Reduction; Enzymatic Conversion
Performed:	Sunday, Mon-Fri
Reported:	1-3 Day(s)
Interpretive Data:	General Reference Range : 5-20 umol/L

Please take note of changes to specimen submission, stability, methodology, and reference range.

Reference Range Changes:

General Reference Range 5-20 umol/L

Age based:

<60yo: 5-15 umol/L

60+yo: 5-20 umol/L

93625 Myelin Basic Protein, CSF SRC

Specimen:	
Collect:	**CSF in Sterile Specimen Container**
Submit:	**1 mL (Min:0.3 mL) CSF in Sterile Specimen Container. Submit Frozen.**
Special Handling:	Separate aliquot required for each frozen test ordered If CSF is bloody, centrifuge the sample and separate supernatant from cells prior to freezing the sample. CSF should be free from contamination with blood. Hemolysis is associated with falsely-elevated levels of MBP.
Rejection Criteria:	Grossly Hemolyzed Samples
Stability:	Ambient: 2 Day(s); Refrigerated: 2 Week(s); Frozen: 3 Week(s); Incubated: Unacceptable
Methodology:	Quantitative Enzyme-Linked Immunosorbent Assay
Performed:	Sun-Sat
Reported:	2-5 Day(s)
CPT Codes:	83873

Please take note of change to methodology.

2340 Rubella SRC

Specimen:	
Collect:	**One SST** Also Acceptable One Blue Top (Na Citrate) 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:	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
Rejection Criteria:	Heat inactivated
Stability:	Ambient: 7 Day(s); Refrigerated: 2 Week(s); Frozen: 3 Month(s); Incubated: Unacceptable
Methodology:	Electrochemiluminescence Immunoassay, Sandwich (ECLIA)
Performed:	Mon-Fri
Reported:	1-3 Day(s)
CPT Codes:	86762
Interpretive Data:	RUBELLA IgG INTERPRETIVE NOTES: NOT IMMUNE: Presumed non-immune to Rubella infection. IMMUNE: Is an indication of previous exposure to the virus either by prior infection or by vaccination. The Rubella IgG cut-off value has been set at 10 IU/mL based on the recommendation of the Clinical and Laboratory Standards Institute subcommittee on Rubella Serology. 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 stability.

2643 Rubella Ab, IgG SRC

Specimen:	
Collect:	**One SST** Also Acceptable One Blue Top (Na Citrate) One Green Top (Li Heparin) One Lavender (EDTA) One PinkTop (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:	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
Rejection Criteria:	Heat inactivated
Stability:	Ambient: 7 Day(s); Refrigerated: 2 Week(s); Frozen: 3 Month(s); Incubated: Unacceptable
Methodology:	Electrochemiluminescence Immunoassay, Sandwich (ECLIA)
Performed:	Mon-Fri
Reported:	1-3 Day(s)
CPT Codes:	86317
Interpretive Data:	Rubella Antibody Interpretation <10: Negative for Rubella IgG Presumed non-immune to Rubella infection. >=10: Positive for Rubella IgG is an indication of previous exposure to the virus either by prior infection or by vaccination. The Rubella IgG cut-off value has been set at 10 IU/mL based on the recommendation of the Clinical and Laboratory Standards Institute subcommittee on Rubella Serology. 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 stability.

5024 Sex Hormone Binding Globulin SRC

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 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 State age and sex of patient.
Rejection Criteria:	EDTA plasma
Stability:	Ambient: 5 Day(s); Refrigerated: 7 Day(s); Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	Electrochemiluminescence Immunoassay (ECLIA)
Performed:	Mon-Fri
Reported:	1-3 Day(s)
CPT Codes:	84270

Interpretive Data:

Male Reference Ranges	
0 - 4 week(s)	9-60 nmol/L
4 week(s) - 1 year(s)	51-178 nmol/L
1 - 3 year(s)	36-133 nmol/L
3 - 6 year(s)	33-124 nmol/L
6 - 9 year(s)	32-122 nmol/L
9 - 12 year(s)	27-79 nmol/L
12 - 15 year(s)	11-54 nmol/L
15 - 18 year(s)	9-46 nmol/L
18 - 150 year(s)	9-68 nmol/L

Female Reference Ranges	
0 - 4 week(s)	10-43 nmol/L
4 week(s) - 1 year(s)	43-154 nmol/L
1 - 3 year(s)	43-134 nmol/L
3 - 6 year(s)	41-121 nmol/L
6 - 9 year(s)	26-88 nmol/L
9 - 12 year(s)	17-85 nmol/L
12 - 15 year(s)	14-65 nmol/L
15 - 18 year(s)	8-64 nmol/L
18 - 150 year(s)	17-111 nmol/L

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 Note: Sex HB Globulin reference range change as of 11/7/2019.

Please take note of changes to stability.

4113 Stool Culture and E.coli Shiga-like Toxin CC/AOE

Specimen:		
Collect:	**Two Random Stool in Enteric Pathogen Transport Media**	
Submit:	**Random Stool in Enteric Pathogen Transport Media. Submit Ambient.** **5 mL (Min:1 mL) Random Stool in Enteric Pathogen Transport Media. Submit Refrigerated.**	
Special Handling:	Specimen will be cultured for Salmonella, Shigella, Campylobacter jejuni, E. coli 0157:H7 and Yersinia. Culture for Vibrio must be requested. Stool must be placed in transport within two hours of collection. Submit two specimens: one ambient for Stool Culture, one refrigerated for E.coli Shiga-like Toxin. Refrigerated specimen (for shiga toxin) must be sent in ETM, Ambient specimen (for stool culture) acceptable in culturette. Refrigerated specimen (for shiga toxin)stability:Ambient: 2 Hours; Refrigerated: 3 Days; Frozen: 1 Week Ambient specimen (for stool culture) stability: Ambient: 4 Days; Refrigerated: Unacceptable; Frozen: Unacceptable	
Rejection Criteria:	Refrigerated specimen (for shiga toxin) unacceptable in other transport material (exception Cary-Blair).	
Methodology:	Culture; Immunochromatographic Assay	
Performed:	Sun-Sat	
Reported:	3-5 Day(s)	
CPT Codes:	87045	87046x4
Components:	4060 - STOOL CULTURE 4939 - REVIEW INDICATED	4110 - SHIGA TOXIN

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

Component Change:

Add: 4939 - REVIEW INDICATED

Ask On Order Entry:

Add: Q1005 – Source; Q1006 – Diagnosis; Q1007 - Antiboitics

2187 T3 Total SRC

Specimen:	
Collect:	**One SST** Also Acceptable One Green Top (Li Heparin) One Green Top (Na Heparin) One Lavender (EDTA) One PinkTop (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
Stability:	Ambient: 8 Day(s); Refrigerated: 14 Day(s); Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	Electrochemiluminescence Immunoassay (ECLIA)
Performed:	Mon-Fri
Reported:	1-3 Day(s)
CPT Codes:	84480
Interpretive Data:	

Male Reference Ranges	
0 - 3 year(s)	48-305 ng/dl
3 - 6 year(s)	56-276 ng/dl
6 - 9 year(s)	50-258 ng/dl
9 - 12 year(s)	44-246 ng/dl
12 - 150 year(s)	80-200 ng/dl

Female Reference Ranges	
0 - 3 year(s)	48-305 ng/dl
3 - 6 year(s)	56-276 ng/dl
6 - 9 year(s)	50-258 ng/dl
9 - 12 year(s)	44-246 ng/dl
12 - 150 year(s)	80-200 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 collection (removal of Blue Na Citrate, and Gray tubes), and stability.

2001 T3 Uptake SRC

Specimen:	
Collect:	**One SST** Also Acceptable One Green Top (Li Heparin) One Green Top (Na 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.
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
Stability:	Ambient: 8 Day(s); Refrigerated: 14 Day(s); Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	Electrochemiluminescence Immunoassay (ECLIA)
Performed:	Mon-Fri
Reported:	1-3 Day(s)
CPT Codes:	84479
Interpretive Data:	General Reference Range : 25-40 % 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 collection (removal of Blue Na Citrate, and Gray tubes), and stability.

90162 CU Index SRC

Specimen:	
Collect:	**One Red Top**
Submit:	**1 mL (Min:0.5 mL) Serum. Submit Frozen. Submit in a Standard Transport Tube.**
Special Handling:	Avoid Repeated Freeze/Thaw Cycles Separate from cells within 2 hours of collection Patient Preparation: Patients taking calcineurin inhibitors should stop their medication for 72 hours prior to draw. Patients on prednisone should be off medication for 2 weeks prior to draw.
Rejection Criteria:	Grossly Hemolyzed Samples Lipemic Samples Microbially Contaminated Plasma Whole blood
Stability:	Ambient: Unacceptable; Refrigerated: Unacceptable; Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	Cell Culture; Quantitative Enzyme-Linked Immunosorbent Assay ; Semi-Quantitative Ex Vivo Challenge
Performed:	Monday, Friday
Reported:	13-16 Day(s)
CPT Codes:	86352

Please take note of change to reported dates.