



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

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

Effective Date: February 1, 2017

******We are sorry that these changes are taking effect with such a short notice, especially since recent changes were less than two weeks ago. One of our current national reference laboratories made a corporate decision to significantly increase prices with minimal notice or negotiation. Interpath felt it was better to have this one time inconvenience rather than affect the pricing to all clinics, providers and patients moving forward. Questions regarding this can be directed to Judy Kennedy, Marketing Director for Interpath Laboratory. 541-276-6700.******

		NC	CC	CPT	SRC	RRC	NT	DT	AOE
90208	H. Pylori-C-Urea, Adult [Breath Test]						◆		
94198	H. Pylori-C-Urea, 3-17 years [Breath Test]							◆	
90209	H. Pylori-C-Urea, 3-17 years [Breath Test]						◆		
94079	Helicobacter pylori Antigen, Stool							◆	
91264	Helicobacter pylori Antigen, Stool						◆		
94080	Hemochromatosis							◆	
91249	Hemochromatosis						◆		
94060	Hepatitis B Genotype							◆	
90221	Hepatitis B Genotype						◆		
94002	HHV-6 Antibodies, IgG/IgM							◆	
90241	Herpesvirus 6 Antibody, IgM Screen with Reflex to Titer by IFA						◆		
93676	HIV Genotype							◆	
91132	HIV-1 Genotyping						◆		
90279	Kidney Stone Risk Panel II						◆		
93804	Mullerian Antibody							◆	
90204	Mullerian Antibody						◆		
93680	Natural Killer Cells							◆	
90246	Natural Killer Cell and Natural Killer T-Cell Panel						◆		
94013	Norovirus Antigen							◆	
90231	Norovirus by PCR						◆		
94088	Parvovirus B19 Antibody, IgG							◆	
93150	Parvovirus B19 Antibody, IgG						◆		
94087	Parvovirus B19 Antibodies, IgG and IgM							◆	
91178	Parvovirus B19 Antibodies, IgG and IgM						◆		
93976	Somatostatin							◆	
93780	Stone Risk Analysis							◆	
94022	T-Cell Immunodeficiency Profile [Flow Cytometry]							◆	
91212	T-Cell Immunodeficiency Profile [Flow Cytometry]						◆		
94091	Tryptase							◆	
91338	Tryptase						◆		
14470	Unexplained Fatigue Panel		◆						
93000	Valproic Acid, Free							◆	
90234	Valproic Acid, Free and Total						◆		
93742	Vascular Endothelial Growth Factor							◆	
91285	Vascular Endothelial Growth Factor						◆		
94059	Voltage-Gated Calcium Channel (VGCC) Antibody Assay							◆	
93871	Zinc, RBC							◆	
90238	Zinc, RBC						◆		

93712 11-Deoxycortisol DC

91001 11-Deoxycortisol Quantitative, Serum NT

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:0.3 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube. Also Acceptable 1 mL (Min:0.3 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Rejection Criteria:	Grossly Hemolyzed Samples
Stability:	Ambient: Unacceptable; Refrigerated: 1 Week(s); Frozen: 6 Month(s); Incubated: Unacceptable
Methodology:	Quantitative High Performance Liquid Chromatography-Tandem Mass Spectrometry
Performed:	Monday, Wednesday, Friday
Reported:	3-6 Day(s)
CPT Codes:	82634

93660 Alkaline Phosphatase Isoenzymes DC

91382 Alkaline Phosphatase Isoenzymes NT

Specimen:	
Collect:	One SST Also Acceptable One Green Top (Li Heparin) One Green Top (Na Heparin) One Red Top
Submit:	2 mL (Min:1 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube. Also Acceptable 2 mL (Min:1 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Separate from cells ASAP
Rejection Criteria:	Grossly Hemolyzed Samples Specimens grossly contaminated with blood, mucus, meconium, or urine, are unacceptable due to interference.
Stability:	Ambient: 1 Week(s); Refrigerated: 1 Week(s); Frozen: 2 Month(s); Incubated: Unacceptable
Methodology:	Enzymatic; Quantitative Heat Inactivation
Performed:	Sun-Sat
Reported:	2-4 Day(s)
CPT Codes:	84075 84080
Interpretive Data:	Please see report for interpretive data.
Components:	91383 - ALK-P TOTAL 91384 - ALK-P BONE 91387 - ALK-P LIVER 91388 - ALK-P OTHER

93758 Androstenedione DC

91020 Androstenedione NT

Specimen:	
Collect:	One SST Also Acceptable One Green Top (Li Heparin) One Green Top (Na Heparin) One Red Top
Submit:	1 mL (Min:0.3 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube. Also Acceptable 1 mL (Min:0.3 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Stability:	Ambient: 1 Day(s); Refrigerated: 1 Week(s); Frozen: 6 Month(s); Incubated: Unacceptable
Methodology:	Quantitative High Performance Liquid Chromatography-Tandem Mass Spectrometry
Performed:	Sun-Sat
Reported:	2-5 Day(s)
CPT Codes:	82157

91594 Apolipoprotein A1 DC

93057 Apolipoprotein A1 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:	Separate from cells ASAP
Rejection Criteria:	Hemolyzed specimens
Stability:	Ambient: 8 Hour(s); Refrigerated: 8 Day(s); Frozen: 3 Month(s); Incubated: Unacceptable
Methodology:	Quantitative Nephelometry
Performed:	Sun-Sat
Reported:	2-3 Day(s)

91970 Bacterial Vaginosis DNA, Quantitative Real-Time PCR Sure Swab DC

93761 Brucella Antibodies (IgG, IgM), EIA with Reflex to Agglutination DC

93588 Brucella Antibody NT

Specimen:	
Collect:	One SST Also Acceptable One Red Top
Submit:	1 mL (Min:0.2 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Avoid Repeated Freeze/Thaw Cycles Separate serum from cells ASAP or within 2 hours of collection Parallel testing is preferred and convalescent specimens must be received within 30 days from receipt of the acute specimens. Mark specimens plainly as acute or convalescent.
Rejection Criteria:	Bacterially Contaminated Samples Heat inactivated Hemolyzed specimens Lipemic Samples
Stability:	Ambient: 2 Day(s); Refrigerated: 2 Week(s); Frozen: 6 Month(s); Incubated: Unacceptable
Methodology:	Semi-Quantitative Agglutination
Performed:	Mon-Fri
Reported:	3-5 Day(s)

94034 C1Q Binding Assay DC

91036 C1Q Binding Assay NT

Specimen:	
Collect:	One SST Also Acceptable 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 Critical Frozen Let stand on clot for 2 hours Separate aliquot required for each frozen test ordered
Rejection Criteria:	Specimen not submitted frozen
Stability:	Ambient: 2 Hour(s); Refrigerated: Unacceptable; Frozen: 2 Week(s); Incubated: Unacceptable
Methodology:	Semi-Quantitative Enzyme-Linked Immunosorbent Assay
Performed:	Monday, Thursday
Reported:	3-9 Day(s)
CPT Codes:	86332



Interpath Laboratory, Inc.
Test File Update

93665 Catecholamines, Plasma

DC

91242 Catecholamines, Plasma

NT

Specimen:	
Collect:	Two Green Top (Li Heparin) Also Acceptable Two Green Top (Na Heparin)
Submit:	4 mL (Min:3 mL) Plasma. Submit Frozen. Submit in a Standard Transport Tube.
Special Handling:	Collect on ice. Critical Frozen Draw in a chilled tube, spin immediately, separate, and freeze. Separate aliquot required for each frozen test ordered Patient should be calm and in a supine position for 30 minutes prior to collection.
Rejection Criteria:	EDTA plasma Serum Urine
Stability:	Ambient: Unacceptable; Refrigerated: Unacceptable; Frozen: 1 Month(s); Incubated: Unacceptable
Methodology:	Quantitative High Performance Liquid Chromatography
Performed:	Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday
Reported:	2-5 Day(s)
CPT Codes:	82384
Interpretive Data:	Please see report for interpretive data.
Components:	93446 - DOPAMINE 93448 - EPINEPHRINE 93447 - NOREPINEPHRINE 93449 - INTERPRETATION

93715 Catecholamines, Urine
DC
91049 Catecholamines, Urine
NT

Specimen:															
Collect:	Timed Urine Also Acceptable Random Urine														
Submit:	5 mL (Min:3 mL) Aliquot(s) Timed Urine in Sterile Specimen Container. Submit Refrigerated. Also Acceptable 5 mL (Min:3 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 Patient Preparation: Drugs and medications may affect results and should be discontinued for at least 72 hours prior to specimen collection, if possible. Specimen Preparation: Thoroughly mix entire collection (24-hour or Random) in one container. Transfer a 4 mL aliquot to an Standard Transport Tube. (Min: 2.5 mL) Catecholamines are not stable above pH 7. The pH of such specimens must be adjusted by the addition of 6M HCl acid or sulfamic acid prior to transport. A pH less than 2 can cause assay interference. Record total volume and collection time interval on transport tube and test request form. Specimen preservation can be extended to 1 month refrigerated by performing one of the following: Option 1: Transfer a 4 mL aliquot (Min: 2.5 mL) to a Standard Transport Tube. Adjust pH to 2.0-4.0 with 6M HCl. Option 2: Transfer a 4 mL aliquot (Min: 2.5 mL) to a Standard Transport Tube containing 20 mg sulfamic acid. (Min: 2.5 mL).														
Rejection Criteria:	Room temperature specimens. Specimens preserved with boric acid or acetic acid. Specimens with pH greater than 7.														
Stability:	Ambient: Unacceptable; Refrigerated: 1 Month(s); Frozen: 6 Month(s); Incubated: Unacceptable														
Methodology:	Quantitative Liquid Chromatography-Tandem Mass Spectrometry														
Performed:	Sun-Sat														
Reported:	2-5 Day(s)														
CPT Codes:	82384														
Interpretive Data:	Please see report for interpretive data.														
Components:	<table border="0"> <tr> <td>93008 - CREAT, UR</td> <td>93009 - CREATININE</td> </tr> <tr> <td>93177 - INTERPRETATION</td> <td>93193 - DOPAMINE</td> </tr> <tr> <td>93194 - NOREPINEPHRINE</td> <td>93195 - EPINEPHRINE</td> </tr> <tr> <td>93388 - URINE VOLUME</td> <td>93518 - HOURS COLLECTED</td> </tr> <tr> <td>93604 - DOPAMINE</td> <td>93605 - NOREPINEPHRINE</td> </tr> <tr> <td>93606 - EPINEPHRINE</td> <td>90205 - EPINEPHRINE</td> </tr> <tr> <td>90206 - NOREPINEPHRINE</td> <td>90207 - DOPAMINE</td> </tr> </table>	93008 - CREAT, UR	93009 - CREATININE	93177 - INTERPRETATION	93193 - DOPAMINE	93194 - NOREPINEPHRINE	93195 - EPINEPHRINE	93388 - URINE VOLUME	93518 - HOURS COLLECTED	93604 - DOPAMINE	93605 - NOREPINEPHRINE	93606 - EPINEPHRINE	90205 - EPINEPHRINE	90206 - NOREPINEPHRINE	90207 - DOPAMINE
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93604 - DOPAMINE	93605 - NOREPINEPHRINE														
93606 - EPINEPHRINE	90205 - EPINEPHRINE														
90206 - NOREPINEPHRINE	90207 - DOPAMINE														

94035 CD4 Panel DC

91050 CD4 Panel NT

Specimen:	
Collect:	One Lavender (EDTA) Also Acceptable One Green Top (Li Heparin) One Green Top (Na Heparin) One Pink Top (EDTA)
Submit:	4 mL (Min:0.5 mL) Whole blood. Submit Ambient.
Special Handling:	Critical Ambient Remarks: Specimens must be analyzed within stability times provided. Some medications may affect immunophenotyping results and should be listed on the patient test request form.
Rejection Criteria:	Clotted Specimen Hemolyzed specimens
Stability:	Ambient: 3 Day(s); Refrigerated: Unacceptable; Frozen: Unacceptable; Incubated: Unacceptable
Methodology:	Quantitative Flow Cytometry
Performed:	Sun-Sat
Reported:	2-3 Day(s)
CPT Codes:	88184 88185
Interpretive Data:	Please see report for interpretive data.
Components:	93330 - ABS CD4 90227 - %CD4 93312 - LYMPH SUBSET INFO

93714 CF Mutation DC

90214 CF Mutation NT

Specimen:	
Collect:	One Lavender (EDTA) Also Acceptable One Pink Top (EDTA) One Yellow Top (ACD Tube)
Submit:	3 mL (Min:1 mL) Whole blood. Submit Refrigerated.
Special Handling:	Submit Patient History For Cystic Fibrosis (CF) Testing form with sample.
Rejection Criteria:	Plasma Serum Specimens collected in sodium heparin or lithium heparin tubes.
Stability:	Ambient: 3 Day(s); Refrigerated: 2 Week(s); Frozen: 1 Month(s); Incubated: Unacceptable
Methodology:	Fluorescence Monitoring; Polymerase Chain Reaction (PCR)
Performed:	Sun-Sat
Reported:	6-11 Day(s)
Interpretive Data:	Please see report for interpretive data.
Components:	90215 - CF ALLELE 1 90216 - CF ALLELE 2 90217 - CF 5T VARIANT 90218 - CF INTERP

94001 Chromosome, Blood DC

90239 Chromosome Analysis, Peripheral Blood NT

Specimen:	
Collect:	One Green Top (Na Heparin)
Submit:	5 (Min:2) Whole blood. Submit Ambient.
Special Handling:	Submit with order: Patient History of Pediatric/Adult Cytogenetic (Chromosome) Studies
Rejection Criteria:	Clotted Specimen Specimen submitted frozen
Stability:	Ambient: 2 Day(s); Refrigerated: 2 Day(s); Frozen: Unacceptable; Incubated: Unacceptable
Methodology:	Giemsa - Band analysis
Performed:	Sun-Sat
Reported:	4-11 Day(s)
Interpretive Data:	Please see report for interpretive data.
Components:	91059 - CHROMOSOME 90240 - EER CHROMOSOME

94039 Cyclic Citrullinated Peptide Antibody, IgG DC

93539 Cyclic Citrullinated Peptide Antibody, IgG NT

Specimen:	
Collect:	One SST Also Acceptable One Red Top
Submit:	0.5 mL (Min:0.3 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Avoid Repeated Freeze/Thaw Cycles Separate serum from cells ASAP or within 2 hours of collection
Rejection Criteria:	Grossly Lipemic Samples Heat inactivated Hemolyzed specimens Icteric specimen Plasma Urine
Stability:	Ambient: 2 Day(s); Refrigerated: 2 Week(s); Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	Semi-Quantitative Enzyme-Linked Immunosorbent Assay
Performed:	Sun-Sat
Reported:	2-3 Day(s)
CPT Codes:	86200

93723 DHEA, Unconjugated DC

91243 DHEA, Unconjugated NT

Specimen:	
Collect:	One SST Also Acceptable One Green Top (Li Heparin) One Green Top (Na Heparin) One Lavender (EDTA) One Red Top
Submit:	1 mL (Min:0.3 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube. Also Acceptable 1 mL (Min:0.3 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Separate serum from cells ASAP or within 2 hours of collection Specimen collected during morning hours (6-10 am) are preferred.
Stability:	Ambient: 1 Day(s); Refrigerated: 1 Week(s); Frozen: 6 Month(s); Incubated: Unacceptable
Methodology:	Quantitative High Performance Liquid Chromatography-Tandem Mass Spectrometry
Performed:	Sun-Sat
Reported:	2-5 Day(s)
CPT Codes:	82626

93756 Disopyramide DC

93988 Estrogen, Serum Total DC
For an alternate test see 91095 Estrogens, Serum Fractionated

93670 Fentanyl, Serum DC

94199 Fibrosure DC

90264 Fibrosure NT

Specimen:															
Collect:	One Blue Top (Na Citrate) One Lavender (EDTA) One SST Also Acceptable One Pink Top (EDTA) One Red Top														
Submit:	3 mL (Min:1.5 mL) Serum. Submit Frozen. Submit in a Standard Transport Tube. 1 mL (Min:0.5 mL) Plasma. Submit Frozen. Submit in a Standard Transport Tube. 3 mL (Min:1 mL) Whole blood in Lavender (EDTA) [4 mL]. Submit Refrigerated.														
Special Handling:	Patient Preparation: Include an automated platelet count. Platelet count should be performed on the EDTA whole blood sample at the client site within 3 days of submission for testing. Specimen Preparation: Separate serum and citrated plasma from cells ASAP or within 2 hours of collection. Do not send the EDTA whole blood to ARUP. Transfer 3 mL serum to an ARUP Standard Transport Tube. (Min: 1.2 mL) Transfer 1 mL platelet-poor citrated plasma to an ARUP Standard Transport Tube (Min: 0.5 mL)														
Rejection Criteria:	Hemolyzed specimens. All required specimens not received. No platelet count received.														
Stability:	Ambient: 8 Hour(s); Refrigerated: Unacceptable; Frozen: 2 Week(s); Incubated: Unacceptable														
Methodology:	Quantitative Enzymatic; Quantitative Nephelometry; Quantitative Spectrophotometry ; Electromagnetic Mechanical Clot Detection														
Performed:	Tuesday, Thursday														
Reported:	2-6 Day(s)														
Interpretive Data:	Please see report for interpretive data.														
Components:	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">90265 - ALPHA 2-MACROGLOB</td> <td style="width: 50%;">90266 - ALANINE AMINOTRAN</td> </tr> <tr> <td>90267 - ASPARTATE AMINOTR</td> <td>90268 - GGT</td> </tr> <tr> <td>90269 - UREA NITROGEN</td> <td>90270 - PLATELET COUNT</td> </tr> <tr> <td>90271 - PROTHROMBIN INDEX</td> <td>90272 - FIBROMETER SCORE</td> </tr> <tr> <td>90273 - CIRRHOMETER SCORE</td> <td>90274 - FIBROSIS CLASS</td> </tr> <tr> <td>90275 - INFLAMETER SCORE</td> <td>90276 - INFLAMETER CLASS</td> </tr> <tr> <td>90277 - FIBROMETER REPORT</td> <td>90278 - FIBROMETER INTERP</td> </tr> </table>	90265 - ALPHA 2-MACROGLOB	90266 - ALANINE AMINOTRAN	90267 - ASPARTATE AMINOTR	90268 - GGT	90269 - UREA NITROGEN	90270 - PLATELET COUNT	90271 - PROTHROMBIN INDEX	90272 - FIBROMETER SCORE	90273 - CIRRHOMETER SCORE	90274 - FIBROSIS CLASS	90275 - INFLAMETER SCORE	90276 - INFLAMETER CLASS	90277 - FIBROMETER REPORT	90278 - FIBROMETER INTERP
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90277 - FIBROMETER REPORT	90278 - FIBROMETER INTERP														

93728 Glomerular Basement Membrane Antibody, IgG DC

91109 Glomerular Basement Membrane Antibody, IgG 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:	Avoid Repeated Freeze/Thaw Cycles Separate serum from cells ASAP or within 2 hours of collection
Stability:	Ambient: 2 Day(s); Refrigerated: 2 Week(s); Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	Semi-Quantitative Multiplex Bead Assay
Performed:	Sun-Sat
Reported:	2-3 Day(s)
CPT Codes:	83516

93674 Glucose 6 Phosphate Dehydrogenase
DC
91112 Glucose 6 Phosphate Dehydrogenase
NT

Specimen:	
Collect:	One Lavender (EDTA) Also Acceptable One Green Top (Li Heparin) One Green Top (Na Heparin) One Yellow Top (ACD Tube)
Submit:	3 mL (Min:1.5 mL) Whole blood. Submit Refrigerated. Submit in a Standard Transport Tube.
Rejection Criteria:	Hemolyzed specimens
Stability:	Ambient: 8 Hour(s); Refrigerated: 1 Week(s); Frozen: Unacceptable; Incubated: Unacceptable
Methodology:	Quantitative Enzymatic
Performed:	Sun-Sat
Reported:	2-3 Day(s)
CPT Codes:	82955

94067 H. Pylori-C-Urea, Adult [Breath Test]
DC
90208 H. Pylori-C-Urea, Adult [Breath Test]
NT

Specimen:	
Collect:	Two Breath Sample in BreathTex Kit
Submit:	Two Breath Sample in BreathTex Kit. Submit Ambient.
Special Handling:	<p>Patient Preparation: This test requires the adult patient (>17 years of age) to fast and abstain from smoking for 1 hour prior to test administration. The patient should not have taken antibiotics, proton pump inhibitors (e.g., Prilosec, Prevacid, Aciphex, Nexium), or bismuth preparations (e.g., Pepto-Bismol) within the previous 14 days. When used to monitor treatment, the test should be performed four weeks after cessation of definitive therapy. The patient should be informed that the Pranactin-Citric drink that will be administered contains phenylalanine. Phenylketonurics restrict dietary phenylalanine.</p> <p>Specimen Preparation:</p> <ol style="list-style-type: none"> 1) Label breath collection bags with patient name, MRN, date and time of collection, and indicate Pre (blue) or Post (pink). 2) Collect the baseline (Pre) breath specimen according to the instructions in the BreathTek UBT kit. 3) After the allotted time, collect the Post breath specimen according to the instructions in the kit. <p>Remarks: For a valid result, the post breath specimen must be collected between 15 and 30 minutes after the patient drinks the Pranactin-Citric solution.</p>
Rejection Criteria:	Underinflated bags. Pediatric specimens
Stability:	Ambient: 1 Week(s); Refrigerated: Unacceptable; Frozen: Unacceptable; Incubated: Unacceptable
Methodology:	Qualitative Spectrophotometry
Performed:	Sun-Sat
Reported:	5-7 Day(s)

94198 H. Pylori-C-Urea, 3-17 years [Breath Test] DC

90209 H. Pylori-C-Urea, 3-17 years [Breath Test] NT

Specimen:					
Collect:	Two Breath Sample in BreathTex Kit				
Submit:	Two Breath Sample in BreathTex Kit. Submit Ambient.				
Special Handling:	<p>Patient Preparation: This test requires the pediatric patient (3-17 years old) to fast and abstain from smoking for 1 hour prior to test administration. The patient should not have taken antibiotics, proton pump inhibitors (e.g., Prilosec, Prevacid, Aciphex, Nexium), or bismuth preparations (e.g., Pepto-Bismol) within the previous 14 days. When used to monitor treatment, the test should be performed four weeks after cessation of definitive therapy. The patient should be informed that the Pranactin-Citric drink that will be administered contains phenylalanine. Phenylketonurics restrict dietary phenylalanine.</p> <p>Specimen Preparation:</p> <ol style="list-style-type: none"> 1) Label breath collection bags with patient name, MRN, date and time of collection, and indicate Pre (blue) or Post (pink). 2) Collect the baseline (Pre) breath specimen according to the instructions in the BreathTek UBT kit. 3) After the allotted time, collect the Post breath specimen according to the instructions in the kit. <p>Information required: Record weight, height, gender, and age.</p> <p>Remarks: For a valid result, the post breath specimen must be collected between 15 and 30 minutes after the patient drinks the Pranactin-Citric solution.</p>				
Rejection Criteria:	Underinflated bags. Specimens from patients younger than 3 years.				
Stability:	Ambient: 1 Week(s); Refrigerated: Unacceptable; Frozen: Unacceptable; Incubated: Unacceptable				
Methodology:	Qualitative Spectrophotometry				
Performed:	Sun-Sat				
Reported:	2-5 Day(s)				
Interpretive Data:	Please see report for interpretive data.				
Components:	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">90208 - H. Pylori-C-Urea</td> <td style="width: 50%;">90219 - PATIENT HEIGHT</td> </tr> <tr> <td>90220 - PATIENT WEIGHT</td> <td></td> </tr> </table>	90208 - H. Pylori-C-Urea	90219 - PATIENT HEIGHT	90220 - PATIENT WEIGHT	
90208 - H. Pylori-C-Urea	90219 - PATIENT HEIGHT				
90220 - PATIENT WEIGHT					

94079 Helicobacter pylori Antigen, Stool DC

91264 Helicobacter pylori Antigen, Stool NT

Specimen:	
Collect:	Random Stool in Sterile Specimen Container
Submit:	5 gm (Min:1 gm) Random Stool in Sterile Specimen Container. Submit Frozen.
Special Handling:	Patient Preparation: To avoid false negative results, no antibiotics, proton pump inhibitors, or a bismuth preparation should be administered to patient for 14 days prior to specimen collection.
Rejection Criteria:	Gastric specimens, swabs or tissue. Specimens in media or preservatives.
Stability:	Ambient: 2 Hour(s); Refrigerated: 3 Day(s); Frozen: 1 Month(s); Incubated: Unacceptable
Methodology:	Qualitative Enzyme Immunoassay
Performed:	Sun-Sat
Reported:	2-3 Day(s)
CPT Codes:	87338

94080 Hemochromatosis
DC
91249 Hemochromatosis
NT

Specimen:	
Collect:	One Lavender (EDTA) Also Acceptable One Pink Top (EDTA) One Yellow Top (ACD Tube)
Submit:	3 mL (Min:1 mL) Whole blood. Submit Refrigerated.
Stability:	Ambient: 3 Day(s); Refrigerated: 1 Week(s); Frozen: Unacceptable; Incubated: Unacceptable
Methodology:	Fluorescence Monitoring; Polymerase Chain Reaction (PCR)
Performed:	Sun-Sat
Reported:	3-8 Day(s)
CPT Codes:	81256
Interpretive Data:	Please see report for interpretive data.
Components:	93620 - C282Y MUTATION 93622 - S65C MUTATION 90226 - PCR SPECIMEN 93621 - H63D MUTATION 93623 - INTERPRETATION

94060 Hepatitis B Genotype
DC
90221 Hepatitis B Genotype
NT

Specimen:	
Collect:	One Lavender (EDTA) Also Acceptable One Pink Top (EDTA) One Red Top One SST
Submit:	1 mL (Min:0.3 mL) Plasma. Submit Frozen. Submit in a Standard Transport Tube. Also Acceptable 1 mL (Min:0.3 mL) Serum. Submit Frozen. Submit in a Standard Transport Tube.
Special Handling:	Separate serum from cells ASAP or within 2 hours of collection
Rejection Criteria:	Thawed Serum Thawed plasma
Stability:	Ambient: 3 Day(s); Refrigerated: 1 Week(s); Frozen: 1 Month(s); Incubated: Unacceptable
Methodology:	Polymerase Chain Reaction (PCR); Sequencing
Performed:	Varies
Reported:	10-14 Day(s)
Interpretive Data:	Please see report for interpretive data.
Components:	90222 - GENOTYPE 90224 - PRECORE MUT. 90223 - POLYMERASE MUT. 90225 - BCP MUT.

90279 Kidney Stone Risk Panel II
NT

Specimen:																															
Collect:	One Timed Urine Container																														
Submit:	Timed Urine in Timed Urine Container. Submit Refrigerated.																														
Special Handling:	Specimen Preparation: Transport four separate 4 mL aliquots from a well-mixed 24-hour urine collection using Calculi Risk/Supersaturation Urine Collection Kit (ARUP supply# 46007). Aliquot according to the following specifications: 1st aliquot (pH 2): Transfer 4 mL urine into a Sulfamic Acid Tube. (Min: 4 mL) Mix well. 2nd aliquot (pH 2): Transfer 4 mL urine into a Sulfamic Acid Tube. (Min: 4 mL) Mix well. 3rd aliquot (pH 9): Transfer 4 mL urine into a Sodium Carbonate Tube. (Min: 4 mL) Mix well. 4th aliquot: Transfer 4 mL urine into an Unpreserved Tube. (Min: 4 mL) Freeze specimens immediately after aliquoting. Do not exceed 4 mL in tubes. If collection kit is unavailable, transport four 4 mL unadjusted aliquots of urine.																														
Rejection Criteria:	Any specimen other than 24 hour urine collection.																														
Stability:	Ambient: Unacceptable; Refrigerated: Unacceptable; Frozen: 2 Week(s); Incubated: Unacceptable																														
Methodology:	Quantitative Enzymatic; Quantitative Spectrophotometry ; Quantitative Ion-Selective Electrode																														
Performed:	Wednesday, Friday																														
Reported:	2-9 Day(s)																														
Interpretive Data:	Please see report for interpretive data.																														
Components:	<table border="0"> <tr> <td>93518 - HOURS COLLECTED</td> <td>93388 - URINE VOLUME</td> </tr> <tr> <td>90280 - SULFATE, URINE</td> <td>90281 - SULFATE, URINE</td> </tr> <tr> <td>90282 - pH, URINE</td> <td>90283 - CAOX</td> </tr> <tr> <td>90284 - CAHPO4</td> <td>90285 - UA CALC</td> </tr> <tr> <td>90286 - INTERPRETATION</td> <td>93006 - CALCIUM, URINE</td> </tr> <tr> <td>93007 - CALCIUM, URINE</td> <td>93018 - OXALATE, URINE</td> </tr> <tr> <td>93016 - OXALATE, URINE</td> <td>90287 - SODIUM, URINE</td> </tr> <tr> <td>90288 - SODIUM, URINE</td> <td>93012 - URIC ACID, URINE</td> </tr> <tr> <td>93013 - URIC ACID, URINE</td> <td>93015 - CITRATE, UR</td> </tr> <tr> <td>93014 - CITRATE, UR</td> <td>93010 - MAGNESIUM, UR</td> </tr> <tr> <td>93011 - MAGNESIUM, UR</td> <td>90289 - PHOSPHORUS, URINE</td> </tr> <tr> <td>90290 - PHOSPHORUS, URINE</td> <td>90291 - POTASSIUM, URINE</td> </tr> <tr> <td>90292 - POTASSIUM, URINE</td> <td>90293 - CHLORIDE, URINE</td> </tr> <tr> <td>90294 - CHLORIDE, URINE</td> <td>90295 - CREATININE, URINE</td> </tr> <tr> <td>93009 - CREATININE</td> <td>90296 - SUPERSATURATION</td> </tr> </table>	93518 - HOURS COLLECTED	93388 - URINE VOLUME	90280 - SULFATE, URINE	90281 - SULFATE, URINE	90282 - pH, URINE	90283 - CAOX	90284 - CAHPO4	90285 - UA CALC	90286 - INTERPRETATION	93006 - CALCIUM, URINE	93007 - CALCIUM, URINE	93018 - OXALATE, URINE	93016 - OXALATE, URINE	90287 - SODIUM, URINE	90288 - SODIUM, URINE	93012 - URIC ACID, URINE	93013 - URIC ACID, URINE	93015 - CITRATE, UR	93014 - CITRATE, UR	93010 - MAGNESIUM, UR	93011 - MAGNESIUM, UR	90289 - PHOSPHORUS, URINE	90290 - PHOSPHORUS, URINE	90291 - POTASSIUM, URINE	90292 - POTASSIUM, URINE	90293 - CHLORIDE, URINE	90294 - CHLORIDE, URINE	90295 - CREATININE, URINE	93009 - CREATININE	90296 - SUPERSATURATION
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93804 Mullerian Antibody
DC
90204 Mullerian Antibody
NT

Specimen:	
Collect:	One SST Also Acceptable One Green Top (Li Heparin) One Red Top
Submit:	0.5 mL (Min:0.2 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube. Also Acceptable 0.5 mL (Min:0.2 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Avoid Repeated Freeze/Thaw Cycles Separate serum from cells ASAP or within 2 hours of collection
Rejection Criteria:	Hemolyzed specimens Lipemic Samples
Stability:	Ambient: Unacceptable; Refrigerated: 1 Week(s); Frozen: 3 Week(s); Incubated: Unacceptable
Methodology:	Quantitative Enzyme-Linked Immunosorbent Assay
Performed:	Sun-Sat
Reported:	2-4 Day(s)

93680 Natural Killer Cells DC

90246 Natural Killer Cell and Natural Killer T-Cell Panel NT

Specimen:	
Collect:	One Green Top (Li Heparin) Also Acceptable One Green Top (Na Heparin) One Lavender (EDTA) One Pink Top (EDTA)
Submit:	4 mL (Min:1 mL) Whole blood. Submit Ambient.
Special Handling:	Critical Ambient Specimens must be analyzed within 48 hours of collection.
Rejection Criteria:	Clotted Specimen Hemolyzed specimens
Stability:	Ambient: 2 Day(s); Refrigerated: Unacceptable; Frozen: Unacceptable; Incubated: Unacceptable
Methodology:	Semi-Quantitative Flow Cytometry
Performed:	Sun-Sat
Reported:	2-4 Day(s)

94013 Norovirus Antigen DC

90231 Norovirus by PCR NT

Specimen:	
Collect:	One Random Stool in Sterile Specimen Container
Submit:	1 gm (Min:0.5 gm) Random Stool in Sterile Specimen Container. Submit Frozen.
Stability:	Ambient: 8 Hour(s); Refrigerated: 3 Day(s); Frozen: 1 Month(s); Incubated: Unacceptable
Methodology:	Qualitative Reverse Transcription Polymerase Chain Reaction
Performed:	Monday, Wednesday, Friday
Reported:	2-6 Day(s)
Interpretive Data:	Please see report for interpretive data.
Components:	90232 - NOROVIRUS 1 90233 - NOROVIRUS 2

94088 Parvovirus B19 Antibody, IgG DC

93150 Parvovirus B19 Antibody, IgG NT

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:	0.5 mL (Min:0.3 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube. Also Acceptable 0.5 mL (Min:0.3 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Avoid Repeated Freeze/Thaw Cycles Separate serum or plasma from cells ASAP or within 2 hours of collection. Transfer 0.5 mL serum or plasma to an ARUP Standard Transport Tube. (Min: 0.3 mL) Parallel testing is preferred and convalescent specimens must be received within 30 days from receipt of the acute specimens. Mark specimens plainly as "acute" or "convalescent."
Rejection Criteria:	Contaminated, heat-inactivated, hemolyzed, hyperlipemic, or icteric serum.
Stability:	Ambient: 2 Day(s); Refrigerated: 2 Week(s); Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	Semi-Quantitative Enzyme-Linked Immunosorbent Assay
Performed:	Sun-Sat
Reported:	2-3 Day(s)

94087 Parvovirus B19 Antibodies, IgG and IgM DC

91178 Parvovirus B19 Antibodies, IgG and IgM NT

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:	0.5 mL (Min:0.3 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube. Also Acceptable 0.5 mL (Min:0.3 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Avoid Repeated Freeze/Thaw Cycles Separate serum or plasma from cells ASAP or within 2 hours of collection. Transfer 0.5 mL serum or plasma to an ARUP Standard Transport Tube. (Min: 0.3 mL) Parallel testing is preferred and convalescent specimens must be received within 30 days from receipt of the acute specimens. Mark specimens plainly as "acute" or "convalescent."
Rejection Criteria:	Contaminated, heat-inactivated, hemolyzed, hyperlipemic, or icteric serum.
Stability:	Ambient: 2 Day(s); Refrigerated: 2 Week(s); Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	Semi-Quantitative Enzyme-Linked Immunosorbent Assay
Performed:	Sun-Sat
Reported:	2-4 Day(s)
CPT Codes:	86747x2
Interpretive Data:	Please see report for interpretive data.
Components:	93150 - PARVO B19 AB, IgG 93151 - PARVO B19 AB, IgM

93976 Somatostatin DC

93780 Stone Risk Analysis DC
For an alternate test see 90279 Kidney Stone Risk Panel II

94022 T-Cell Immunodeficiency Profile [Flow Cytometry] DC

91212 T-Cell Immunodeficiency Profile [Flow Cytometry] NT

Specimen:													
Collect:	One Lavender (EDTA) Also Acceptable One Green Top (Li Heparin) One Green Top (Na Heparin) One Pink Top (EDTA)												
Submit:	4 mL (Min:0.5 mL) Whole blood. Submit Ambient.												
Special Handling:	Critical Ambient Remarks: Specimens must be analyzed within stability times provided. Some medication may affect immunophenotyping results and should be provided on the patient test request form.												
Rejection Criteria:	Clotted Specimen Hemolyzed specimens EDTA samples greater than 30 hours and heparin samples greater than 48 hours old.												
Stability:	Ambient: 3 Day(s); Refrigerated: Unacceptable; Frozen: Unacceptable; Incubated: Unacceptable												
Methodology:	Quantitative Flow Cytometry												
Performed:	Sun-Sat												
Reported:	2-4 Day(s)												
CPT Codes:	88184 88185x5												
Interpretive Data:	Please see report for interpretive data.												
Components:	<table border="0"> <tr> <td>93328 - %CD3</td> <td>93327 - ABS CD3</td> </tr> <tr> <td>90227 - %CD4</td> <td>93330 - ABS CD4</td> </tr> <tr> <td>90228 - %CD8</td> <td>93334 - ABS CD8</td> </tr> <tr> <td>90229 - CD4:CD8 RATIO</td> <td>90230 - %CD19</td> </tr> <tr> <td>93314 - ABS CD19</td> <td>93315 - %NK CELLS</td> </tr> <tr> <td>93316 - ABS NK-CELLS</td> <td>93311 - INTERPRETATION</td> </tr> </table>	93328 - %CD3	93327 - ABS CD3	90227 - %CD4	93330 - ABS CD4	90228 - %CD8	93334 - ABS CD8	90229 - CD4:CD8 RATIO	90230 - %CD19	93314 - ABS CD19	93315 - %NK CELLS	93316 - ABS NK-CELLS	93311 - INTERPRETATION
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93314 - ABS CD19	93315 - %NK CELLS												
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94091 Tryptase DC

91338 Tryptase NT

Specimen:	
Collect:	One SST Also Acceptable One Red Top
Submit:	1 mL (Min:0.5 mL) Serum. Submit Frozen. Submit in a Standard Transport Tube.
Special Handling:	Allow specimen to clot completely at room temperature Separate aliquot required for each frozen test ordered Separate serum from cells ASAP or within 2 hours of collection
Stability:	Ambient: 2 Day(s); Refrigerated: 3 Day(s); Frozen: 1 Month(s); Incubated: Unacceptable
Methodology:	Quantitative Fluorescent Enzyme Immunoassay
Performed:	Monday, Wednesday, Friday
Reported:	2-5 Day(s)
CPT Codes:	83520

14470 Unexplained Fatigue Panel
CC

Specimen:	
Collect:	One SST Also Acceptable One Red Top
Submit:	3 mL (Min:1.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Avoid Repeated Freeze/Thaw Cycles Separate from cells ASAP If ANA component of the Unexplained Fatigue Panel is positive (>0.69 U/ml), then test 14480 ANA Reflex Component Panel will be added. Additional charges will apply.
Rejection Criteria:	Hemolyzed specimens Lipemic Samples Microbial Contaminated
Stability:	Ambient: 8 Hour(s); Refrigerated: 2 Day(s); Frozen: 1 Month(s); Incubated: Unacceptable
Methodology:	See Individual Components
Performed:	Mon-Fri
Reported:	2-5 Day(s)
CPT Codes:	86038 86200 86225 86376 86431 86800 83516x4
Interpretive Data:	Please see report for interpretive data.
Components:	<u>93539 - CCP ANTIBODY, IgG</u> 2727 - TISSUE TRANSG.IgG 2752 - TISSUE TRANSG.IgA 2725 - GLIADIN (DGP)-IgA 2726 - GLIADIN (DGP)-IgG 2742 - dsDNA 2755 - THYROGLOBULIN IgG 2754 - T. PEROXIDASE IgG 2337 - RHEUMATOID FACTOR 2741 - ANA

Remove component 94039 CCP ANTIBODY, IgG and replace with 93539 CCP ANTIBODY, IgG
93000 Valproic Acid, Free
DC
90234 Valproic Acid, Free and Total
NT

Specimen:	
Collect:	One Red Top
Submit:	2 mL (Min:1 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Separate from cells within 2 hours of collection Patient Preparation: Timing of specimen collection: Pre-dose (trough) draw - At steady state concentration.
Rejection Criteria:	Light blue (citrate), gray (oxalate), green (heparin), K2EDTA plasma, tubes that contain liquid anticoagulant, or gel separator tubes.
Stability:	Ambient: 1 Day(s); Refrigerated: 1 Week(s); Frozen: 1 Month(s); Incubated: Unacceptable
Methodology:	Quantitative Enzyme Multiplied Immunoassay Technique
Performed:	Tuesday, Wednesday, Thursday, Friday, Saturday
Reported:	2-5 Day(s)
Interpretive Data:	Please see report for interpretive data.
Components:	90235 - VAL ACID, FREE 90236 - VAL ACID, TOTAL 90237 - VAL ACID, % FREE

93742 Vascular Endothelial Growth Factor DC

91285 Vascular Endothelial Growth Factor NT

Specimen:	
Collect:	One Lavender (EDTA) Also Acceptable One Pink Top (EDTA)
Submit:	1 mL (Min:0.3 mL) Plasma. Submit Frozen. Submit in a Standard Transport Tube.
Special Handling:	Critical Frozen Separate serum from cells ASAP or within 2 hours of collection
Rejection Criteria:	Hemolyzed specimens
Stability:	Ambient: 4 Hour(s); Refrigerated: 6 Hour(s); Frozen: 6 Month(s); Incubated: Unacceptable
Methodology:	Quantitative Chemiluminescent Immunoassay
Performed:	Tuesday
Reported:	2-10 Day(s)
CPT Codes:	83520

94059 Voltage-Gated Calcium Channel (VGCC) Antibody Assay DC

93871 Zinc, RBC DC

90238 Zinc, RBC NT

Specimen:	
Collect:	One Royal Blue (EDTA)
Submit:	2 mL (Min:0.7 mL) Red Blood Cells in Royal Blue (EDTA) [6 mL]. Submit Refrigerated.
Special Handling:	Specimen Preparation: Separate cells within 2 hours of collection. Transport 2 mL RBCs in the original collection tube. (Min.: 0.7 mL)
Rejection Criteria:	Lavender top (EDTA).
Stability:	Ambient: Unacceptable; Refrigerated: 1 Month(s); Frozen: 1 Month(s); Incubated: Unacceptable
Methodology:	Quantitative Inductively Coupled Mass Spectrometry
Performed:	Varies
Reported:	4-9 Day(s)