

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: August 19, 2019

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
91372	Alkaline Phosphatase, Bone				◆				
2774	Anti-Neutrophil Cytoplasmic Antibodies (ANCA) Immunofluorescent Assay						◆		
2775	Anti-Neutrophil Cytoplasmic Antibodies (ANCA) IFA with Reflex to MPO/PR3						◆		
2776	Anti-Neutrophil Cytoplasmic Antibodies (ANCA) IFA and MPO/PR3 Antibodies						◆		
90298	Blastomyces dermatitidis Antigen Quantitative by EIA				◆				
91049	Catecholamines, Urine					◆			
91057	Chromogranin A					◆			
2724	Cortisol, Random						◆		
91353	Felbamate					◆			
94095	Fragile X DNA Screen				◆				
91112	Glucose 6 Phosphate Dehydrogenase				◆				
90208	H. Pylori-C-Urea, Adult [Breath Test]				◆				
90209	H. Pylori-C-Urea, 3-17 years [Breath Test]				◆				
90200	Hemoglobin Evaluation Reflexive Cascade		◆						
93760	Histoplasma Antigen by EIA, Serum				◆	◆			
91148	Kidney Stone Risk Panel, Urine				◆				
90279	Kidney Stone Risk Panel II				◆				
91700	Leukemia/Lymphoma Phenotyping [Flow Cytometry]				◆				
2461	MPO/PR3 (ANCA) Antibodies	◆							
3779	Occult Blood, IA [Probe]				◆				
90146	Ureaplasma Species and Mycoplasma hominis Culture				◆				
91238	Viscosity, Serum					◆			

91372 Alkaline Phosphatase, Bone
SRC

Specimen:	
Collect:	One SST Also Acceptable One Green Top (Li Heparin) One Green Top (Na Heparin) One Red Top
Submit:	0.5 mL (Min:0.3 mL) Serum. Submit Frozen. Submit in a Standard Transport Tube. Also Acceptable 0.5 mL (Min:0.3 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 ASAP
Rejection Criteria:	Grossly Hemolyzed Samples Urine
Stability:	Ambient: 2 Hour(s); Refrigerated: 2 Day(s); Frozen: 2 Month(s); Incubated: Unacceptable
Methodology:	Quantitative Chemiluminescent Immunoassay
Performed:	Sun-Sat
Reported:	2-3 Day(s)
CPT Codes:	84080

Please take note of change to special handling.

2776 Anti-Neutrophil Cytoplasmic Antibodies (ANCA) IFA and MPO/PR3 Antibodies **NT**

Specimen:					
Collect:	One SST Also Acceptable One Red Top				
Submit:	3 mL (Min:1.5 mL) Serum. Submit Frozen. Submit in a Standard Transport Tube.				
Rejection Criteria:	Grossly Hemolyzed Samples Grossly Lipemic Samples Heat inactivated Microbially Contaminated Particulate matter				
Stability:	Ambient: 8 Hour(s); Refrigerated: 2 Day(s); Frozen: 1 Month(s); Incubated: Unacceptable				
Methodology:	Enzyme-Linked ImmunoSorbent Assay (ELISA); Indirect Immunofluorescent Assay				
Performed:	Mon-Fri				
Reported:	3-4 Day(s)				
Interpretive Data:	Please see report for interpretive data.				
Components:	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">2781 - ANCA IFA TITER</td> <td style="width: 50%;">2783 - ANCA IFA PATTERN</td> </tr> <tr> <td>2277 - MYELOPEROXIDASE</td> <td>2279 - PROTEINASE 3</td> </tr> </table>	2781 - ANCA IFA TITER	2783 - ANCA IFA PATTERN	2277 - MYELOPEROXIDASE	2279 - PROTEINASE 3
2781 - ANCA IFA TITER	2783 - ANCA IFA PATTERN				
2277 - MYELOPEROXIDASE	2279 - PROTEINASE 3				

New test available.

90298 Blastomyces dermatitidis Antigen Quantitative by EIA **SRC**

Specimen:			
Collect:	One SST Also Acceptable One Blue Top (Na Citrate) One Green Top (Li Heparin) One Green Top (Na Heparin) One Red Top Bronchoalveolar Lavage (BAL) in Sterile Specimen Container CSF in Sterile Specimen Container		
Submit:	2 mL (Min:1.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube. Also Acceptable 2 mL (Min:1.5 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube. 1 mL (Min:0.5 mL) Bronchoalveolar Lavage (BAL) in Sterile Specimen Container. Submit Refrigerated. 1 mL (Min:0.8 mL) CSF in Sterile Specimen Container. Submit Refrigerated.		
Rejection Criteria:	Urine		
Stability:	Ambient: 2 Week(s); Refrigerated: 2 Week(s); Frozen: 24 Month(s); Incubated: Unacceptable		
Methodology:	Quantitative Enzyme Immunoassay		
Performed:	Varies		
Reported:	4-6 Day(s)		
CPT Codes:	87449		
Interpretive Data:	Please see report for interpretive data.		
Components:	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">90299 - SOURCE</td> <td style="width: 50%;">93759 - BLASTOMYCES DERM.</td> </tr> </table>	90299 - SOURCE	93759 - BLASTOMYCES DERM.
90299 - SOURCE	93759 - BLASTOMYCES DERM.		

Please take note of change to collect and submit requirements.

91049 Catecholamines, Urine
RRC

Specimen:															
Collect:	Timed Urine in Timed Urine Container Also Acceptable Random Urine in Sterile Specimen Container														
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 an 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 an 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 ug/D</td> </tr> <tr> <td>93194 - NOREPI ug/D</td> <td>93195 - EPINEPHERINE ug/D</td> </tr> <tr> <td>93388 - URINE VOLUME</td> <td>93518 - HOURS COLLECTED</td> </tr> <tr> <td>93604 - DOPAMINE ug/g CRT</td> <td>93605 - NOREPI ug/g CRT</td> </tr> <tr> <td>93606 - EPINEPH ug/g CRT</td> <td>90205 - EPINEPHERINE ug/L</td> </tr> <tr> <td>90206 - NOREPI ug/L</td> <td>90207 - DOPAMINE ug/L</td> </tr> </table>	93008 - CREAT, UR	93009 - CREATININE	93177 - INTERPRETATION	93193 - DOPAMINE ug/D	93194 - NOREPI ug/D	93195 - EPINEPHERINE ug/D	93388 - URINE VOLUME	93518 - HOURS COLLECTED	93604 - DOPAMINE ug/g CRT	93605 - NOREPI ug/g CRT	93606 - EPINEPH ug/g CRT	90205 - EPINEPHERINE ug/L	90206 - NOREPI ug/L	90207 - DOPAMINE ug/L
93008 - CREAT, UR	93009 - CREATININE														
93177 - INTERPRETATION	93193 - DOPAMINE ug/D														
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93388 - URINE VOLUME	93518 - HOURS COLLECTED														
93604 - DOPAMINE ug/g CRT	93605 - NOREPI ug/g CRT														
93606 - EPINEPH ug/g CRT	90205 - EPINEPHERINE ug/L														
90206 - NOREPI ug/L	90207 - DOPAMINE ug/L														

Please take note of change to reference ranges.
Reference range changes: 93195 - Epinepherine ug/D

<u>Age</u>	<u>Epinepherine</u>
0-3 years	Not Established
4-10 years	1-14 ug/D
11-17 years	1-18 ug/D
18+	1-14 ug/D

91057 Chromogranin A
RRC

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 from cells ASAP
Rejection Criteria:	Plasma
Stability:	Ambient: 2 Day(s); Refrigerated: 2 Week(s); Frozen: 6 Week(s); Incubated: Unacceptable
Methodology:	Quantitative Enzyme Immunoassay
Performed:	Monday, Wednesday, Friday
Reported:	2-8 Day(s)
CPT Codes:	86316

Please take note of change to reference range.

Reference range change: 0-160 ng/mL

2724 Cortisol, Random
NT

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:	Avoid Repeated Freeze/Thaw Cycles Minimize air exposure 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: 1 Day(s); Refrigerated: 4 Day(s); Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	Electrochemiluminescence Immunoassay (ECLIA)
Performed:	Mon-Fri
Reported:	1-3 Day(s)
Interpretive Data:	Cortisol reference range varies depending on time of draw, see reference ranges below. Cortisol Reference Range: Cortisol (AM) = 6.02-18.4 ug/dL Cortisol (PM) = 2.68-10.5 ug/dL 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.

New test available for cortisol with variable draw times.

91353 Felbamate

RRC

Specimen:	
Collect:	One Red Top Also Acceptable One Gray Top One Green Top (Na Heparin) One Lavender (EDTA) One Pink Top (EDTA)
Submit:	1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube. Also Acceptable 1 mL (Min:0.5 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Rejection Criteria:	Use of separator tubes
Stability:	Ambient: 2 Day(s); Refrigerated: 1 Month(s); Frozen: 6 Month(s); Incubated: Unacceptable
Methodology:	Quantitative High Performance Liquid Chromatography
Performed:	Monday, Wednesday, Friday
Reported:	2-5 Day(s)
CPT Codes:	80339

Please take note of change to reference range.

Reference range changes:

Therapeutic Range: 30 – 60 ug/mL

Toxic Level: Greater than 120 ug/mL

94095 Fragile X DNA Screen

SRC

Collect:	One Lavender (EDTA) Also Acceptable One Pink Top (EDTA)	
Submit:	4 mL (Min:1.5 mL) Whole blood in Lavender (EDTA). Submit Refrigerated. Also Acceptable 4 mL (Min:1.5 mL) Whole blood in Pink Top (EDTA). Submit Refrigerated.	
Stability:	Ambient: 1 Week(s); Refrigerated: 1 Month(s); Frozen: 6 Month(s); Incubated: Unacceptable	
Methodology:	Capillary Electrophoresis; Polymerase Chain Reaction (PCR)	
Performed:	Sun-Sat	
Reported:	5-15 Day(s)	
CPT Codes:	81243	
Interpretive Data:	Please see report for interpretive data.	
Components:	94096 - FRAG X SPECIMEN 94098 - FRAG X ALLELE 2 94069 - FRAGILE X INTERP	94097 - FRAG X ALLELE 1 94099 - METHYLATION PATTERN

Please take note of change to stability.

91112 Glucose 6 Phosphate Dehydrogenase
SRC

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 in Lavender (EDTA). Submit Refrigerated. Also Acceptable 3 mL (Min:1.5 mL) Whole blood in Green Top (Li Heparin). Submit Refrigerated. 3 mL (Min:1.5 mL) Whole blood in Green Top (Na Heparin). Submit Refrigerated. 3 mL (Min:1.5 mL) Whole blood in Yellow Top (ACD Tube). Submit Refrigerated.
Rejection Criteria:	Clotted Specimen Hemolyzed specimens
Stability:	Ambient: 8 Hour(s); Refrigerated: 1 Week(s); Frozen: Unacceptable; Incubated: Unacceptable
Methodology:	Quantitative Enzymatic
Performed:	Sun-Sat
Reported:	2-4 Day(s)
CPT Codes:	82955

Please take note of changes to collect requirements and rejection criteria.

90208 H. Pylori-C-Urea, Adult [Breath Test]
SRC

Specimen:	
Collect:	Two Breath Sample in BreathTex Kit
Submit:	Two Breath Sample in BreathTex Kit. Submit Ambient.
Special Handling:	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. The effect of histamine 2-receptor antagonists (e.g., Axid, Pepcid, Tagamet, Zantac) may reduce urease activity on urea breath tests and should be discontinued for 24-48 hours before the sample is collected. 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. Specimen Preparation: 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. 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.
Rejection Criteria:	Underinflated bags. Pediatric specimens
Stability:	Ambient: 1 Week(s); Refrigerated: Unacceptable; Frozen: Unacceptable; Incubated: Unacceptable
Methodology:	Qualitative Spectrophotometry
Performed:	Sun-Sat
Reported:	2-5 Day(s)
CPT Codes:	83013

Please take note of change to special handling.

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

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. The effect of histamine 2-receptor antagonists (e.g., Axid, Pepcid, Tagamet, Zantac) may reduce urease activity on urea breath tests and should be discontinued for 24-48 hours before the sample is collected. 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)
CPT Codes:	83013
Interpretive Data:	Please see report for interpretive data.
Components:	90208 - H. Pylori-C-Urea 90220 - PATIENT WEIGHT 90219 - PATIENT HEIGHT

Please take note of change to special handling.

90200 Hemoglobin Evaluation Reflexive Cascade
CC

Specimen:																			
Collect:	One Lavender (EDTA) Also Acceptable One Pink Top (EDTA)																		
Submit:	4 mL (Min:2 mL) Whole blood in Lavender (EDTA). Submit Refrigerated. Also Acceptable 4 mL (Min:2 mL) Whole blood in Pink Top (EDTA). Submit Refrigerated.																		
Special Handling:	Patient history form, including information from a recent CBC, is required for interpretation. Abnormal results reflex. Additional charges will apply.																		
Rejection Criteria:	Specimen submitted at room temperature Specimen submitted frozen																		
Stability:	Ambient: Unacceptable; Refrigerated: 1 Week(s); Frozen: Unacceptable; Incubated: Unacceptable																		
Methodology:	Electrophoresis; High Performance Liquid Chromatography; Polymerase Chain Reaction (PCR); RBC Solubility; Sequencing; Fluorescence Resonance Energy Transfer																		
Performed:	Sun-Sat																		
Reported:	Varies																		
CPT Codes:	83021																		
Interpretive Data:	Please see report for interpretive data.																		
Components:	<table border="0"> <tr> <td>93437 - HEMOGLOBIN A2</td> <td>93438 - HEMOGLOBIN F</td> </tr> <tr> <td>93439 - HEMOGLOBIN S</td> <td>93440 - HEMOGLOBIN C</td> </tr> <tr> <td>93441 - HEMOGLOBIN E</td> <td>93442 - HEMOGLOBIN OTHER</td> </tr> <tr> <td>93436 - HEMOGLOBIN A1</td> <td>93443 - HEMOGLOBIN INTERP</td> </tr> <tr> <td>93619 - SICKLE CELL SOL</td> <td>93977 - HGB, CAP ELECTRO</td> </tr> <tr> <td>90187 - ALPHA GLOBIN</td> <td>90188 - ALPHA THALASSEMIA</td> </tr> <tr> <td>90189 - BETA GLOBIN</td> <td>90199 - BETA GLOBIN SEQU</td> </tr> <tr> <td>92019 - BETA GLOBIN DEL</td> <td>92025 - FETAL HEMOGLOBIN</td> </tr> <tr> <td>92026 - HEMOGLOBIN LEPORE</td> <td>92027 - INTERPRETATION</td> </tr> </table>	93437 - HEMOGLOBIN A2	93438 - HEMOGLOBIN F	93439 - HEMOGLOBIN S	93440 - HEMOGLOBIN C	93441 - HEMOGLOBIN E	93442 - HEMOGLOBIN OTHER	93436 - HEMOGLOBIN A1	93443 - HEMOGLOBIN INTERP	93619 - SICKLE CELL SOL	93977 - HGB, CAP ELECTRO	90187 - ALPHA GLOBIN	90188 - ALPHA THALASSEMIA	90189 - BETA GLOBIN	90199 - BETA GLOBIN SEQU	92019 - BETA GLOBIN DEL	92025 - FETAL HEMOGLOBIN	92026 - HEMOGLOBIN LEPORE	92027 - INTERPRETATION
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92019 - BETA GLOBIN DEL	92025 - FETAL HEMOGLOBIN																		
92026 - HEMOGLOBIN LEPORE	92027 - INTERPRETATION																		

Please take note of change to components.
Component changes:
Remove: 90189 - BETA GLOBIN, 92025 - FETAL HEMOGLOBIN

93760 Histoplasma Antigen by EIA, Serum
SRC/RRC

Specimen:	
Collect:	One SST Also Acceptable One Red Top
Submit:	2 mL (Min:1 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Allow specimen to clot completely at room temperature Avoid Repeated Freeze/Thaw Cycles
Rejection Criteria:	Urine
Stability:	Ambient: Unacceptable; Refrigerated: 2 Week(s); Frozen: 1 Month(s); Incubated: Unacceptable
Methodology:	Quantitative Enzyme Immunoassay
Performed:	Monday, Wednesday, Friday
Reported:	2-5 Day(s)
CPT Codes:	87385
Interpretive Data:	Please see report for interpretive data.
Components:	93972 - HISTOPLASMA AG. 93973 - HISTOPLASMA INTERP

Please take note of changes to stability, methodology, performed dates, reported dates and reference range.

Reference range changes:

>0.19 ng/mL: Not Detected

0.19-60 ng/mL: Detected

>60 ng/mL: Detected (above the limit of quantification).

91148 Kidney Stone Risk Panel, Urine
SRC

Specimen:													
Collect:	Timed Urine in Timed Urine Container												
Submit:	Four 4 mL Aliquot(s) Timed Urine. Submit Frozen.												
Special Handling:	<p>24 HR Urine Collection Only Critical Frozen Keep Specimen Refrigerated During Collection Collect: Use Calculi Risk/Supersaturation Urine Collection Kit call Client Services 1-800-700-6891.</p> <p>Specimen Preparation: Transport four separate 4 mL aliquots from a well-mixed 24-hour urine collection according to the following specifications (Do not exceed 4 mL in tubes): 1st aliquot (pH 2): Transfer 4 mL urine into a Sulfamic Acid Tube. (Min: 4 mL) Mix well. Freeze Immediately. 2nd aliquot (pH 2): Transfer 4 mL urine into a Sulfamic Acid Tube. (Min: 4 mL) Mix well. Freeze Immediately. 3rd aliquot (pH 9): Transfer 4 mL urine into a Sodium Carbonate Tube. (Min: 4 mL) Mix well. Freeze Immediately. 4th aliquot: Transfer 4 mL urine into an Unpreserved Tube. (Min: 4 mL) Freeze Immediately. If collection kit is unavailable, transport four 4 mL unadjusted aliquots of urine.</p> <p>Separate specimens must be submitted when multiple tests are ordered. Ship Patient and control specimens together.</p> <p>Additional information required: Record total volume and collection time on tube and test request form.</p>												
Stability:	Ambient: Unacceptable; Refrigerated: Unacceptable; Frozen: 2 Week(s); Incubated: Unacceptable												
Methodology:	See Individual Components												
Performed:	Mon-Fri												
Reported:	2-7 Day(s)												
CPT Codes:	<table border="0"> <tr> <td>82340</td> <td>82507</td> </tr> <tr> <td>83945</td> <td>84560</td> </tr> </table>	82340	82507	83945	84560								
82340	82507												
83945	84560												
Interpretive Data:	Please see report for interpretive data.												
Components:	<table border="0"> <tr> <td>93006 - CALCIUM, URINE</td> <td>93007 - CALCIUM, URINE</td> </tr> <tr> <td>93008 - CREAT, UR</td> <td>93009 - CREATININE</td> </tr> <tr> <td>93012 - URIC ACID, URINE</td> <td>93013 - URIC ACID, URINE</td> </tr> <tr> <td>93014 - CITRATE, UR</td> <td>93015 - CITRATE, UR</td> </tr> <tr> <td>93016 - OXALATE, URINE</td> <td>93018 - OXALATE, URINE</td> </tr> <tr> <td>93518 - HOURS COLLECTED</td> <td>93388 - URINE VOLUME</td> </tr> </table>	93006 - CALCIUM, URINE	93007 - CALCIUM, URINE	93008 - CREAT, UR	93009 - CREATININE	93012 - URIC ACID, URINE	93013 - URIC ACID, URINE	93014 - CITRATE, UR	93015 - CITRATE, UR	93016 - OXALATE, URINE	93018 - OXALATE, URINE	93518 - HOURS COLLECTED	93388 - URINE VOLUME
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93014 - CITRATE, UR	93015 - CITRATE, UR												
93016 - OXALATE, URINE	93018 - OXALATE, URINE												
93518 - HOURS COLLECTED	93388 - URINE VOLUME												

Please take note of change to special handling.

90279 Kidney Stone Risk Panel II
SRC

Specimen:																															
Collect:	One Timed Urine Container																														
Submit:	Timed Urine in Timed Urine Container. Submit Refrigerated.																														
Special Handling:	24 HR Urine Collection Only Critical Frozen Keep Specimen Refrigerated During Collection Collect: Use Calculi Risk/Supersaturation Urine Collection Kit call Client Services 1-800-700-6891. Specimen Preparation: Transport four separate 4 mL aliquots from a well-mixed 24-hour urine collection according to the following specifications (Do not exceed 4 mL in tubes): 1st aliquot (pH 2): Transfer 4 mL urine into a Sulfamic Acid Tube. (Min: 4 mL) Mix well. Freeze Immediately. 2nd aliquot (pH 2): Transfer 4 mL urine into a Sulfamic Acid Tube. (Min: 4 mL) Mix well. Freeze Immediately. 3rd aliquot (pH 9): Transfer 4 mL urine into a Sodium Carbonate Tube. (Min: 4 mL) Mix well. Freeze Immediately. 4th aliquot: Transfer 4 mL urine into an Unpreserved Tube. (Min: 4 mL) Freeze Immediately. If collection kit is unavailable, transport four 4 mL unadjusted aliquots of urine. Separate specimens must be submitted when multiple tests are ordered. Ship Patient and control specimens together. Additional information required: Record total volume and collection time on tube and test request form.																														
Rejection Criteria:																															
Stability:	Ambient: Unacceptable; Refrigerated: Unacceptable; Frozen: 2 Week(s); Incubated: Unacceptable																														
Methodology:	Quantitative Enzymatic; Quantitative Ion-Selective Electrode ; Quantitative Spectrophotometry																														
Performed:	Monday, Wednesday, Friday																														
Reported:	2-9 Day(s)																														
CPT Codes:	<table border="0"> <tr><td>82340</td><td>82436</td></tr> <tr><td>82507</td><td>83735</td></tr> <tr><td>83945</td><td>83986</td></tr> <tr><td>84105</td><td>84133</td></tr> <tr><td>84300</td><td>84392</td></tr> <tr><td>84560</td><td></td></tr> </table>	82340	82436	82507	83735	83945	83986	84105	84133	84300	84392	84560																			
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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>93008 - CREAT, UR</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	93008 - CREAT, UR	93009 - CREATININE	90296 - SUPERSATURATION
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Please take note of change to special handling.

91700 Leukemia/Lymphoma Phenotyping [Flow Cytometry]
SRC

Specimen:	
Collect:	Bone Marrow in Lavender (EDTA) Also Acceptable Whole blood in Green Top (Na Heparin) Whole blood in Lavender (EDTA) Whole blood in Pink Top (EDTA) Body Fluid in Sterile Specimen Container Tissue in Sterile Specimen Container
Submit:	1 mL (Min:0.5 mL) Bone Marrow in 4 mL Lavender (EDTA). Submit Ambient. Also Acceptable 5 mL (Min:1 mL) Whole blood in 4 mL Green Top (Na Heparin). Submit Ambient. 5 mL (Min:1 mL) Whole blood in 4 mL Lavender (EDTA). Submit Ambient. 10 mL (Min:3 mL) Body Fluid in Sterile Specimen Container. Submit Refrigerated. One Tissue in Sterile Specimen Container. Submit Refrigerated.
Special Handling:	Specimen Preparation: Transport 1 mL heparinized bone marrow (Min: 0.5 mL*) OR 5 mL whole blood (Min: 1mL*) OR 100 mg fresh tissue suspended in tissue culture media (e.g., RPMI 1640) (Min: 100 mg*) OR 10-100 mL fresh fluid (Min: 3 mL*). *Minimum volume is dependent on cellularity. Storage/Transport Temperature: Specimen should be received within 24 hours of collection for optimal cell viability. Bone marrow or whole blood: Room temperature. Also acceptable: Refrigerated. Tissue or fluid: Refrigerated. Remarks: A minimum of 10,000 viable cells is required for flow cytometry phenotyping of samples containing a very limited number of markers (may also be called antibodies or antigens). For low-count specimens, supplying clinical and diagnostic information is especially important to help ensure that the most appropriate marker combinations are evaluated before the specimen is depleted of cells. Bone marrow or whole blood: Provide specimen source, CBC, Wright stained smear, clinical history, differential diagnosis, and any relevant pathology reports. Tissue or fluid: Provide specimen source, clinical history, differential diagnosis, and any relevant pathology reports. Follow up: If previous leukemia/lymphoma phenotyping was performed at another lab, the outside flow cytometry report and histograms (if possible) should accompany the specimen. Charges apply per marker reported.
Rejection Criteria:	Clotted Specimen Hemolyzed specimens Specimen submitted frozen
Stability:	Ambient: 2 Day(s); Refrigerated: 2 Day(s); Frozen: Unacceptable; Incubated: Unacceptable
Methodology:	Flow Cytometry
Performed:	Sun-Sat
Reported:	2-3 Day(s)
CPT Codes:	88184

Please take note of changes to collect and submit requirements.

90146 Ureaplasma Species and Mycoplasma hominis Culture
SRC

Specimen:	
Collect:	One Swab in Other
Submit:	One (Min:0.3) Swab in Viral Transport Media. Submit Frozen.
Special Handling:	State Source Place swab or 0.5 mL of fluid (Min: 0.3 mL). in Mycoplasma/Ureaplasma transport media (UTM). Also acceptable: Any transport media validated for Mycoplasma/Ureaplasma transport such as M4 (DO NOT USE M4 RT). Respiratory specimens acceptable from patients younger than 1 year of age. Frozen stability applicable to -70C (-20C unacceptable storage).
Rejection Criteria:	Dry Swab
Stability:	Ambient: 8 Hour(s); Refrigerated: 2 Day(s); Frozen: 1 Month(s); Incubated: Unacceptable
Methodology:	Culture
Performed:	Sun-Sat
Reported:	4-9 Day(s) Within 9 days Final: Negative within 9 days Average time to positive: 4 days
CPT Codes:	87109

Please take note of change to special handling.

91238 Viscosity, Serum
RRC

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:	Clotted Specimen
Stability:	Ambient: 1 Day(s); Refrigerated: 7 Day(s); Frozen: 1 Month(s); Incubated: Unacceptable
Methodology:	Quantitative Viscometry
Performed:	Mon-Fri
Reported:	2-5 Day(s)
CPT Codes:	85810

Please take note of change to reference range.

Reference range change: 1.10 – 1.80 cP