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: February 18, 2020

Interpath Laboratory, Inc.
Test File Update

Order Code	Test Name	NC Name Change	CC Component Change	CPT CPT Change	SRC Specimen Requirements Change	RRC Reference Range Change	NT New Test	DT Discontinued Test	AOE Ask on Order Entry Questions
91294	Aldosterone/Renin Activity Ratio				◆				
91303	Aluminum				◆				
91016	Amino Acids, Urine Quantative		◆						
93846	Anti-IgA Antibody				◆				
91309	Arsenic, Urine				◆				
3169	Clostridium Difficile Antigen and Toxin B gene by PCR with Reflex to EIA						◆		
91056	Chromium, Serum				◆				
91069	Copper, Serum				◆				
93560	Coxsackie B Virus Antibodies				◆				
91090	Echovirus Antibodies				◆				
91089	EBV by PCR , Qualitative				◆				
92172	Gastrointestinal Viral Panel						◆		
2606	Glucose, Fasting + 2 HR							◆	
10200	Glucose Tolerance, 2 Hr [ADA]					◆			
10205	Glucose Tolerance, 2 Hr [ADA-GDM]					◆			
2058	Glucose Tolerance 2 HR [with 1/2 HR specimen]					◆			
14274	Glucose Tolerance 2 Hour (without 1/2 HR or Urines)							◆	
2023	Glucose Tolerance 3 HR					◆			
2024	Glucose Tolerance 4 HR					◆			
2035	Glucose Tolerance 5 HR					◆			
2026	Glucose Tolerance 6 HR							◆	
91213	21 Hydroxylase Autoantibodies, Serum	◆		◆	◆				
91460	Kappa-Lambda Free Light Chains, Quantitative			◆	◆	◆			
92133	Pregabalin						◆		
91175	Organic Acids, Urine		◆						
91448	Selenium				◆	◆			
91340	Thyroid Stimulating Immunoglobulin				◆	◆			

91294 Aldosterone/Renin Activity Ratio SRC

Specimen:	
Collect:	**One Lavender (EDTA)** **One SST** Also Acceptable One Pink Top (EDTA) One Red Top
Submit:	**1 mL (Min:0.5 mL) Serum. Submit Frozen. Submit in a Standard Transport Tube.** **2 mL (Min:1.5 mL) Plasma. Submit Frozen. Submit in a Standard Transport Tube.**
Special Handling:	Separate aliquot required for each frozen test ordered Patient Prep: Collect midmorning after patient has been sitting, standing, or walking for at least 2 hours, and seated for 5-15 minutes. Specimen Preparation: Separate from cells ASAP or within 2 hours of collection. Serum: Transfer 1 mL serum to an ARUP Standard Transport Tube. (Min: 0.5 mL) AND Plasma: Transfer 2 mL EDTA plasma to an ARUP Standard Transport Tube and freeze immediately. (Min: 1.2 mL) Storage/Transport Temperature: Both specimens should be submitted together for testing. Serum: Frozen Only Plasma: CRITICAL FROZEN. Separate specimens must be submitted when additional tests are ordered. Stability (collection to initiation of testing): Serum: Ambient: 8 hours; Refrigerated: 5 days; Frozen: 1 month Plasma: Ambient: 6 hours; Refrigerated: Unacceptable; Frozen: 1 month
Rejection Criteria:	Hemolyzed specimens Specimen not submitted frozen Plasma collected in citrate, heparin, or oxalate.
Stability:	Ambient: 6 Hour(s); Refrigerated: Unacceptable; Frozen: 1 Month(s); Incubated: Unacceptable
Methodology:	Quantitative Chemiluminescent Immunoassay
Performed:	Sun-Sat
Reported:	3-6 Day(s)
CPT Codes:	82088 84244
Interpretive Data:	Please see report for interpretive data.
Components:	91012 - ALDOSTERONE 91196 - RENIN ACTIVITY 93584 - RATIO

Please take note of change to serum storage/transport temperature.

91303 Aluminum SRC

Specimen:	
Collect:	**One Royal Blue (No Additive)**
Submit:	**2 mL (Min:0.5 mL) Serum in Trace Element Free Tube. Submit Ambient.**
Special Handling:	Separate from cells ASAP Patient Preparation: Diet, medication, and nutritional supplements may introduce interfering substances. Patient should be encouraged to discontinue nutritional supplements, vitamins, minerals, and non-essential over-the-counter medications (upon the advice of their physician). Specimen Preparation: Centrifuge; do not allow serum to remain on cells. Transfer 2 mL serum to a Trace Element-Free Transport Tube.
Rejection Criteria:	Plasma Use of separator tubes Specimens that are not separated from the red cells or clot within 2 hours. Specimens collected or transported in tubes other than specified.
Stability:	Ambient: 24 Month(s); Refrigerated: 24 Month(s); Frozen: 24 Month(s); Incubated: Unacceptable
Methodology:	Inductively Coupled Plasma Mass Spectrophotometry
Performed:	Tuesday, Thursday, Saturday
Reported:	2-5 Day(s)
CPT Codes:	82108

Please take note of changes to rejection criteria.

91016 Amino Acids, Urine Quantative CC

Specimen:		
Collect:	**Random Urine in Sterile Specimen Container**	
Submit:	**4 mL (Min:3 mL) Random Urine in Sterile Specimen Container. Submit Frozen.**	
Special Handling:	Critical Frozen Separate aliquot required for each frozen test ordered First morning sample preferred. Avoid dilute specimens. State gender, age, diet, drug therapy and family history.	
Rejection Criteria:	Specimen not submitted frozen	
Stability:	Ambient: Unacceptable; Refrigerated: 1 Day(s); Frozen: 1 Month(s); Incubated: Unacceptable	
Methodology:	Quantitative Liquid Chromatography-Tandem Mass Spectrometry	
Performed:	Mon-Fri	
Reported:	4-8 Day(s)	
CPT Codes:	82139	
Interpretive Data:	Please see report for interpretive data.	
Components:	93008 - CREAT, UR	93227 - ALANINE
	93236 - ARGININE	93170 - ASPARAGINE
	93171 - ASPARTIC ACID	93224 - CITRULLINE
	93025 - CYSTINE	93179 - GLUTAMINE
	93178 - GLUTAMIC ACID	93226 - GLYCINE
	93235 - HISTIDINE	93256 - HYDROXYPROLINE
	93230 - ISOLEUCINE	93231 - LEUCINE
	93234 - LYSINE	93229 - METHIONINE
	93026 - ORNITHINE	93233 - PHENYLALANINE
	93225 - PROLINE	93223 - SERINE
	93517 - TAURINE	93222 - THREONINE
	93232 - TYROSINE	93228 - VALINE
	93307 - INTERPRETATION	94185 - a-AMINOBUTYRIC
	94186 - a-AMINOADIPIC	94187 - ARGININOSUCCINIC
	94188 - b-AMINOISOBUTYRIC	94189 - b-ALANINE
	94190 - ETHANOLAMINE	94191 - g-AMINOBUTYRIC
	94192 - SARCOSINE	94193 - TRYPTOPHAN
	94194 - ANSERINE	94195 - CYSTATHIONINE
	94196 - HOMOCITRULLINE	94197 - HYDROXYLYSINE
	90106 – CREATININE, URINE	

Please take note of changes to components.

Added: 90106 CREATININE, URINE

Removed: 93008 CREAT, UR

93846 Anti-IgA Antibody SRC

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.**
Stability:	Ambient: 1 Week(s); Refrigerated: 1 Week(s); Frozen: 2 Week(s); Incubated: Unacceptable
Methodology:	Quantitative Enzyme-Linked Immunosorbent Assay
Performed:	Varies
Reported:	6-13 Day(s)
CPT Codes:	83520

Please take note of change to frozen stability.

91309 Arsenic, Urine SRC

Specimen:	
Collect:	**Timed Urine in Timed Urine Container** Also Acceptable Random Urine in Sterile Specimen Container
Submit:	**8 mL (Min:2 mL) Aliquot(s) Timed Urine in Trace Element Free Tube. Submit Refrigerated.** Also Acceptable 8 mL (Min:2 mL) Random Urine in Trace Element Free Tube. Submit Refrigerated.
Special Handling:	24 HR Urine Collection Preferred Keep Specimen Refrigerated During Collection State Collection Time State Volume Aliquot from a well mixed collection to ARUP trace element free transfer tube. Patient Prep: Diet, medication, and nutritional supplements may introduce interfering substances. Patient should be encouraged to discontinue nutritional supplements, vitamins, minerals, and non-essential over-the-counter medications (upon the advice of their physican) and avoid shellfish and seafood for 48 to 72 hours. High concentrations of iodine may interfere with elemental testing. Collection of urine specimens from patients receiving iodinated or gadolinium-based contrast media should be avoided for a minimum of 72 hours post-exposure. Collection from patients with impaired kidney function should be avoided for a minimum of 14 days post contrast media exposure.
Rejection Criteria:	Urine collected within 72 hours after administration of gadolinium (Gd) containing contrast media. Acid preserved urine. Specimens contaminated with blood or fecal material. Specimens transported in non-trace element transport tube (with the exception of the original device).
Stability:	Ambient: 1 Week(s); Refrigerated: 2 Week(s); Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	High performance liquid chromatography (HPLC); Inductively Coupled Plasma Mass Spectrophotometry
Performed:	Mon-Fri
Reported:	2-6 Day(s)
CPT Codes:	82175
Interpretive Data:	Please see report for interpretive data.
Components:	93027 - ARSENIC, URINE 93028 - ARSENIC, URINE 93036 - ARSENIC, UR 93008 - CREAT, UR 93009 - CREATININE 93388 - URINE VOLUME 93518 - HOURS COLLECTED

Please take note of changes to special handling and rejection criteria.

3169 C. Diff Antigen and Toxin B gene by PCR with Reflex to EIA NT

Specimen:	
Collect:	**Random Stool in Sterile Specimen Container** Also Acceptable
Submit:	**5 gm (Min:1 gm) Random Stool in Sterile Specimen Container. Submit Refrigerated. Submit in a Standard Transport Tube.**
Special Handling:	Unformed (liquid or soft) stool. Positive results will reflex to EIA testing.
Rejection Criteria:	Formed Stool Specimen submitted frozen Stool in preservative
Stability:	Ambient: 1 Day(s); Refrigerated: 5 Day(s); Frozen: Unacceptable; Incubated: Unacceptable
Methodology:	Automated Real-Time PCR by Cepheid GeneXpert
Performed:	Sun-Sat
Reported:	1-4 Day(s)

New test available for order. Positive PCR results reflex to EIA testing to determine presence of Toxin A and/or B.

Per recent Infectious Diseases Society of America (IDSA) and Society for Healthcare Epidemiology of America (SHEA) guidelines, this test provides a two-step algorithm for more accurate determination of active Clostridium difficile *infection (CDI).*

91056 Chromium, Serum SRC

Specimen:	
Collect:	**One Royal Blue (No Additive)**
Submit:	**2 mL (Min:0.5 mL) Serum in Trace Element Free Tube. Submit Ambient.**
Special Handling:	Separate serum from cells ASAP or within 2 hours of collection Diet, medication, and nutritional supplements may introduce interfering substances. Patients should be encouraged to discontinue nutritional supplements, vitamins, minerals, and non-essential over-the-counter medications (upon the advice of their physician).
Rejection Criteria:	Plasma Use of separator tubes Whole blood Specimen not separated from clot within 2 hours. Specimens transported in tubes other than specified.
Stability:	Ambient: 24 Month(s); Refrigerated: 24 Month(s); Frozen: 24 Month(s); Incubated: Unacceptable
Methodology:	Inductively Coupled Plasma Mass Spectrophotometry
Performed:	Sun-Sat
Reported:	2-5 Day(s)
CPT Codes:	82495

Please take note of changes to special handling, rejection criteria, and performed dates.

91069 Copper, Serum SRC

Specimen:	
Collect:	**One Royal Blue (No Additive)** Also Acceptable One Royal Blue (EDTA)
Submit:	**2 mL (Min:0.5 mL) Serum in Trace Element Free Tube. Submit Ambient.** Also Acceptable 2 mL (Min:0.5 mL) Plasma in Trace Element Free Tube. Submit Ambient.
Special Handling:	Separate serum from cells ASAP or within 2 hours of collection Diet, medication, and nutritional supplements may introduce interfering substances. Patients should be encouraged to discontinue nutritional supplements, vitamins, minerals, and non-essential over-the-counter medications (upon the advice of their physician). Transfer 2 mL serum or plasma to an ARUP Trace Element-Free Transport Tube. Pleae contact Client Services at (800) 700-4374 for trace element-free transport tube.
Rejection Criteria:	Specimens collected or transported in containers other than specified. Specimens that are not separated from cells within 2 hours.
Stability:	Ambient: 24 Month(s); Refrigerated: 24 Month(s); Frozen: 24 Month(s); Incubated: Unacceptable
Methodology:	Quantitative Inductively Coupled Plasma-Mass Spectrometry
Performed:	Sun-Sat
Reported:	2-4 Day(s)
CPT Codes:	82525

Please take note of changes to rejection criteria.

93560 Coxsackie B Virus Antibodies SRC

Specimen:	
Collect:	**One SST** Also Acceptable One Red Top
Submit:	**1 mL (Min:0.3 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.**
Special Handling:	Separate from cells ASAP If acute and convalescent samples being submitted, clearly label samples as such. Convalescent sample must be received in lab within 30 days from receipt of acute specimens.
Rejection Criteria:	Bacterially Contaminated Samples Hemolyzed specimens Lipemic Samples Plasma CSF
Stability:	Ambient: 2 Day(s); Refrigerated: 2 Week(s); Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	Semi-Quantitative Serum Neutralization Assay
Performed:	Mon-Fri
Reported:	7-10 Day(s)
CPT Codes:	86658x6
Interpretive Data:	Please see report for interpretive data.
Components:	93569 - COXSACKIE B1 93570 - COXSACKIE B2 93571 - COXSACKIE B3 93572 - COXSACKIE B4 93573 - COXSACKIE B5 93574 - COXSACKIE B6

Please take note of changes to rejection criteria.

91090 Echovirus Antibodies SRC

Specimen:	
Collect:	**One SST** Also Acceptable One Red Top
Submit:	**1 mL (Min:0.3 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.**
Special Handling:	Avoid freeze and thaw cycles. Separate from cells within 2 hours of collection If acute and convalescent samples being submitted, clearly label as such. Convalescent sample must be received in lab within 30 days from receipt of acute samples.
Rejection Criteria:	Bacterially Contaminated Samples Grossly Lipemic Samples Hemolyzed specimens Plasma CSF
Stability:	Ambient: 2 Day(s); Refrigerated: 2 Week(s); Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	Semi-Quantitative Serum Neutralization Assay
Performed:	Mon-Fri
Reported:	7-10 Day(s)
CPT Codes:	86658x5
Interpretive Data:	Please see report for interpretive data.
Components:	93146 - ECHOVIRUS TYPE 6 93147 - ECHOVIRUS TYPE 7 93148 - ECHOVIRUS TYPE 11 93149 - ECHOVIRUS TYPE 30 93152 - ECHOVIRUS TYPE 9

Please take note of changes to rejection criteria.

91089 EBV by PCR , Qualitative SRC

Specimen:		
Collect:	**One Lavender (EDTA)** Also Acceptable One Bone Marrow in Lavender (EDTA) One Pink Top (EDTA) One SST One Bronchoalveolar Lavage (BAL) in Sterile Specimen Container One CSF in Sterile Specimen Container	
Submit:	**1 mL (Min:0.5 mL) Plasma. Submit Frozen. Submit in a Standard Transport Tube.** Also Acceptable 1 mL (Min:0.5 mL) CSF. Submit Frozen. Submit in a Standard Transport Tube. 1 mL (Min:0.5 mL) Serum. Submit Frozen. Submit in a Standard Transport Tube. 1 mL (Min:0.5 mL) Bronchoalveolar Lavage (BAL). Submit Frozen. Submit in a Standard Transport Tube. 1 mL (Min:0.5 mL) Bone Marrow in Lavender (EDTA). Submit Refrigerated.	
Special Handling:	State Source	
Rejection Criteria:	Specimens in Microtest M4 Clotted or hemolyzed whole blood Heparinized specimens	
Stability:	Ambient: 2 Day(s); Refrigerated: 8 Day(s); Frozen: 11 Month(s); Incubated: Unacceptable	
Methodology:	Qualitative Polymerase Chain Reaction (PCR)	
Performed:	Sun-Sat	
Reported:	2-5 Day(s)	
CPT Codes:	87798	
Interpretive Data:	Please see report for interpretive data.	
Components:	93524 - EBV QUAL by PCR	93528 - EBV SOURCE

Please take note of changes to rejection criteria.

92172 Gastrointestinal Viral Panel by PCR NT

Specimen:		
Collect:	**Random Stool in Sterile Specimen Container**	
Submit:	**1 mL (Min:0.5 mL) Random Stool in Sterile Specimen Container. Submit Frozen.**	
Rejection Criteria:	Formalin-fixed stool	
Stability:	Ambient: Unacceptable; Refrigerated: 2 Week(s); Frozen: 2 Week(s); Incubated: Unacceptable	
Methodology:	Qualitative Polymerase Chain Reaction (PCR)	
Performed:	Tuesday, Thursday, Saturday	
Reported:	4-7 Day(s)	
Interpretive Data:	Please see report for interpretive data.	
Components:	90232 - NOROVIRUS 1 92175 - ASTROVIRUS PCR 92177 - ROTAVIRUS PCR	90233 - NOROVIRUS 2 92176 - SAPOVIRUS PCR 92178 - ADENOVIRUS 40/41

New test available for order.

2606 Glucose, Fasting + 2 HR DC

Please note test is being discontinued. Order 10200 Glucose Tolerance 2 Hr [ADA]

10200 Glucose Tolerance, 2 Hr [ADA] RRC

Specimen:		
Collect:	**One Gray Top (2HR)** **One Gray Top (FAST)** Also Acceptable One SST (2HR) One SST (FAST)	
Submit:	**Two 4 mL (Min:1 mL) Whole blood in Gray Top. Submit Refrigerated.** Also Acceptable Two 1 mL (Min:0.5 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube. Two 1 mL (Min:0.5 mL) Serum in SST. Submit Refrigerated.	
Special Handling:	Draw fasting specimen, then give 75gm glucola. At 2 hours draw "2 HR" post sample. Label tubes "Fasting" and 2 HR". Other alternative samples: Green Top (Li Hep), Lavender EDTA, Pink EDTA, Red Top. If using alternative serum or plasma separate from cells ASAP. Serum or plasma stability: Ambient 8 hrs, RF 3 days, FZ 1 month	
Rejection Criteria:	Hemolyzed specimens Microbially Contaminated Unlabled Specimens	
Stability:	Ambient: 1 Day(s); Refrigerated: 3 Day(s); Frozen: Unacceptable; Incubated: Unacceptable	
Methodology:	Colorimetric; Kinetic	
Performed:	Mon-Fri	
Reported:	1-3 Day(s)	
CPT Codes:	82947	82950
Interpretive Data:	Please see report for interpretive data.	
Components:	10201 - GLUCOSE, FASTING	10202 - GLUCOSE, 2HR

Please take note of changes to reference ranges. *Per American Diabetes Association (ADA) 2018 guidelines.*

Reference range changes:

10201 - GLUCOSE, FASTING: 60-92 mg/dL

10202 – GLUCOSE, 2HR: <153 mg/dL

10205 Glucose Tolerance, 2 Hr [ADA-GDM] RRC

Specimen:	
Collect:	**One Gray Top (1HR)** **One Gray Top (2HR)** **One Gray Top (FAST)** Also Acceptable One SST (1HR) One SST (2HR) One SST (FAST)
Submit:	**Three 4 mL (Min:1 mL) Whole blood in Gray Top. Submit Refrigerated.** Also Acceptable Three 1 mL (Min:0.5 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube. Three 1 mL (Min:0.5 mL) Serum in SST. Submit Refrigerated.
Special Handling:	ADA Recommends: 1. Perform at 24-28 weeks gestation in women not previously diagnosed with overt diabetes. 2. The GTT should be performed in the morning after an overnight fast of at least 8 hours. 3. Draw fasting specimen, then give 75gm glucola. At 1 hour draw "1 HR" post sample. At 2 hour draw "2 HR" post sample. Label tubes "Fasting", "1 HR", and "2 HR". Other alternative samples: Green Top (Li Hep), Lavender EDTA, Pink EDTA, Red Top. If using alternative serum or plasma separate from cells ASAP. Serum or plasma stability: Ambient 8 hrs, RF 3 days, FZ 1 month
Rejection Criteria:	Hemolyzed specimens Microbially Contaminated Unlabled Specimens
Stability:	Ambient: 1 Day(s); Refrigerated: 3 Day(s); Frozen: Unacceptable; Incubated: Unacceptable
Methodology:	Colorimetric; Kinetic
Performed:	Mon-Fri
Reported:	1-3 Day(s)
CPT Codes:	82951
Interpretive Data:	Please see report for interpretive data.
Components:	2400 - GLUCOSE, FASTING 2401 - GLUCOSE, 1HR 2402 - GLUCOSE, 2HR

Please take note of changes to reference ranges. *Per American Diabetes Association (ADA) 2018 guidelines.*

Reference range changes:

2401 – GLUCOSE, 1HR: <180 mg/dL

2402 – GLUCOSE, 2HR: <153 mg/dL

2058 Glucose Tolerance 2 HR [with 1/2 HR specimen] RRC

Specimen:		
Collect:	**One Gray Top (1/2HR)** **One Gray Top (1HR)** **One Gray Top (2HR)** **One Gray Top (FAST)** **One URINE (1HR)** **One URINE (2HR)** **One URINE (FAST)**	
Submit:	**Four 4 mL (Min:1 mL) Whole blood in Gray Top. Submit Refrigerated.** **Three 10 mL (Min:1 mL) Timed Urine in Sterile Specimen Container. Submit Refrigerated.** Also Acceptable Four 1 mL (Min:0.5 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube. Three 10 mL (Min:1 mL) Timed Urine in Sterile Specimen Container. Submit Refrigerated.	
Special Handling:	Draw fasting specimen and collect fasting urine, then give 75gm glucola. At 1/2 hour draw "1/2 HR" post sample. At 1 hour draw "1 HR" post sample and collect "1 HR" urine. At 2 hour draw "2 HR" post sample and collect "2 HR" urine. Label tubes "Fasting", "1/2 HR", "1 HR", and "2 HR". Other alternative samples for Gray: SST, Green Top (Li Hep), Lavender EDTA, Pink EDTA, Red Top (To be submitted with urine). If using alternative serum or plasma separate from cells ASAP. Serum or plasma stability: Ambient 8 hrs, RF 3 days, FZ 1 month Urine stability: Ambient 1 hr, RF 1 day	
Rejection Criteria:	Hemolyzed specimens Microbially Contaminated Unlabled Specimens	
Stability:	Ambient: 1 Day(s); Refrigerated: 3 Day(s); Frozen: Unacceptable; Incubated: Unacceptable	
Methodology:	Colorimetric; Kinetic	
Performed:	Mon-Fri	
Reported:	1-3 Day(s)	
CPT Codes:	82951 81002x3	82952
Interpretive Data:	Please see report for interpretive data.	
Components:	2400 - GLUCOSE, FASTING 2401 - GLUCOSE, 1HR 2410 - UR, GLUCOSE FAST 2412 - UR, GLUCOSE 2HR	2407 - GLUCOSE, 1/2HR 2402 - GLUCOSE, 2HR 2411 - UR, GLUCOSE 1HR

Please take note of changes to reference ranges. *Per American Diabetes Association (ADA) 2018 guidelines.*

Reference range changes:

2407 – GLUCOSE, 1/2HR: <180 mg/dL
2401 – GLUCOSE, 1HR: <180 mg/dL
2402 – GLUCOSE, 2HR: <153 mg/dL

14274 Glucose Tolerance 2 Hour (without 1/2 HR or Urines) DC

Please note test is being discontinued. Order 10205 Glucose Tolerance 2 Hr [ADA-GDM]

2023 Glucose Tolerance 3 HR RRC

Specimen:		
Collect:	**One Gray Top (1HR)** **One Gray Top (2HR)** **One Gray Top (3HR)** **One Gray Top (FAST)** Also Acceptable One SST (1HR) One SST (2HR) One SST (3HR) One SST (FAST)	
Submit:	**Four 4 mL (Min:1 mL) Whole blood in Gray Top. Submit Refrigerated.** Also Acceptable Four 1 mL (Min:0.5 mL) Serum in SST. Submit Refrigerated. Four 1 mL (Min:0.5 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.	
Special Handling:	Draw fasting specimen, then give 75gm glucola. At 1 hour draw "1 HR" post sample. At 2 hour draw "2 HR" post sample At 3 hour draw "3 HR" post sample. Label tubes "Fasting", "1 HR", "2 HR" and "3 HR". Other alternative samples: Green Top (Li Hep), Lavender EDTA, Pink EDTA, Red Top. If using alternative serum or plasma separate from cells ASAP. Serum or plasma stability: Ambient 8 hrs, RF 3 days, FZ 1 month	
Rejection Criteria:	Hemolyzed specimens Microbially Contaminated Unlabled Specimens	
Stability:	Ambient: 1 Day(s); Refrigerated: 3 Day(s); Frozen: Unacceptable; Incubated: Unacceptable	
Methodology:	Colorimetric	
Performed:	Mon-Fri	
Reported:	1-3 Day(s)	
CPT Codes:	82951	82952
Interpretive Data:	Please see report for interpretive data.	
Components:	10201 - GLUCOSE, FASTING 10202 - GLUCOSE, 2HR	10206 - GLUCOSE, 1HR 10207 - GLUCOSE, 3HR

Please take note of changes to reference ranges. *Per American Diabetes Association (ADA) 2018 guidelines.*

Reference range changes:

10201 - GLUCOSE, FASTING: 60-92 mg/dL
10206 – GLUCOSE, 1 HR: <180 mg/dL
10202 – GLUCOSE, 2HR: <153 mg/dL
10207 – GLUCOSE, 3HR: <140 mg/dL

2024 Glucose Tolerance 4 HR RRC

Specimen:	
Collect:	**One Gray Top (1HR)** **One Gray Top (2HR)** **One Gray Top (3HR)** **One Gray Top (4HR)** **One Gray Top (FAST)** Also Acceptable SST (1HR) SST (2HR) SST (3HR) SST (4HR) SST (FAST)
Submit:	**Five 4 mL (Min:1 mL) Whole blood in Gray Top. Submit Refrigerated.** Also Acceptable Five 1 mL (Min:0.5 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube. Five 1 mL (Min:0.5 mL) Serum in SST. Submit Refrigerated.
Special Handling:	Draw fasting specimen, then administer orally 75gm glucola. At 1 hour draw "1 HR" post sample. At 2 hour draw "2 HR" post sample. At 3 hour draw "3 HR" post sample. At 4 hour draw "4 HR" post sample. Label tubes 'Fasting", "1HR", "2HR", "3HR" and "4HR". Other alternative samples: Green Top (Li Hep), Lavender EDTA, Pink EDTA, Red Top. If using alternative serum or plasma separate from cells ASAP. Serum or plasma stability: Ambient 8 hrs, RF 3 days, FZ 1 month
Rejection Criteria:	Hemolyzed specimens Microbially Contaminated Unlabled Specimens
Stability:	Ambient: 1 Day(s); Refrigerated: 3 Day(s); Frozen: Unacceptable; Incubated: Unacceptable
Methodology:	Colorimetric; Kinetic
Performed:	Mon-Fri
Reported:	1-3 Day(s)
CPT Codes:	82951 82952x2
Interpretive Data:	Please see report for interpretive data.
Components:	10201 - GLUCOSE, FASTING 10202 - GLUCOSE, 2HR 10208 - GLUCOSE, 4HR 10206 - GLUCOSE, 1HR 10207 - GLUCOSE, 3HR

Please take note of changes to reference ranges. *Per American Diabetes Association (ADA) 2018 guidelines.*

Reference range changes:

10201 - GLUCOSE, FASTING: 60-92 mg/dL
10206 – GLUCOSE, 1 HR: <180 mg/dL
10202 – GLUCOSE, 2HR: <153 mg/dL
10207 – GLUCOSE, 3HR: <140 mg/dL
10208 – GLUCOSE, 4HR: <100 mg/dL

2035 Glucose Tolerance 5 HR RRC

Specimen:	
Collect:	**One Gray Top (1HR)** **One Gray Top (2HR)** **One Gray Top (3HR)** **One Gray Top (4HR)** **One Gray Top (5HR)** **One Gray Top (FAST)** Also Acceptable One SST (1HR) One SST (2HR) One SST (3HR) One SST (4HR) One SST (5HR) One SST (FAST)
Submit:	**Six 4 mL (Min:1 mL) Whole blood in Gray Top. Submit Refrigerated.** Also Acceptable Six 1 mL (Min:0.5 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube. Six 1 mL (Min:0.5 mL) Serum in SST. Submit Refrigerated.
Special Handling:	Draw fasting specimen, then give 75gm glucola. At 1 hour draw "1 HR" post sample. At 2 hour draw "2 HR" post sample. At 3 hour draw "3 HR" post sample. At 4 hour draw "4 HR" post sample. At 5 hour draw "5 HR post sample. Label tubes "Fasting", "1 HR", "2 HR", "3 HR", "4 HR" and "5 HR". Other alternative samples: Green Top (Li Hep), Lavender EDTA, Pink EDTA, Red Top. If using alternative serum or plasma separate from cells ASAP. Serum or plasma stability: Ambient 8 hrs, RF 3 days, FZ 1 month
Rejection Criteria:	Hemolyzed specimens Microbially Contaminated Unlabled Specimens
Stability:	Ambient: 1 Day(s); Refrigerated: 3 Day(s); Frozen: Unacceptable; Incubated: Unacceptable
Methodology:	Colorimetric; Kinetic
Performed:	Mon-Fri
Reported:	1-3 Day(s)
CPT Codes:	82951 82952x3
Interpretive Data:	Please see report for interpretive data.
Components:	10201 - GLUCOSE, FASTING 10202 - GLUCOSE, 2HR 10208 - GLUCOSE, 4HR 10206 - GLUCOSE, 1HR 10207 - GLUCOSE, 3HR 10209 - GLUCOSE, 5HR

Please take note of changes to reference ranges. *Per American Diabetes Association (ADA) 2018 guidelines.*

Reference range changes:

10201 - GLUCOSE, FASTING: 60-92 mg/dL
10206 – GLUCOSE, 1 HR: <180 mg/dL
10202 – GLUCOSE, 2HR: <153 mg/dL
10207 – GLUCOSE, 3HR: <140 mg/dL
10208 – GLUCOSE, 4HR: <100 mg/dL
10209 – GLUCSOE, 5HR: <100 mg/dL

2026 Glucose Tolerance 6 HR DC

Please note test is being discontinued.

91213 21 Hydroxylase Autoantibodies, Serum NC/CPT/SRC

Specimen:	
Collect:	**One SST** Also Acceptable One Red Top
Submit:	**1 mL (Min:0.3 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.**
Rejection Criteria:	Grossly Hemolyzed Samples Lipemic Samples
Stability:	Ambient: 1 Day(s); Refrigerated: 1 Week(s); Frozen: 1 Month(s); Incubated: Unacceptable
Methodology:	Qualitative Enzyme-Linked Immunosorbent Assay
Performed:	Tuesday, Friday
Reported:	3-9 Day(s)
CPT Codes:	83516

Please take note of changes to name, collection, submit volume, rejection criteria, stability, methodology, performed and reported dates, and CPT code.

91460 Kappa-Lambda Free Light Chains, Quantitative CPT/SRC/RRC

Specimen:	
Collect:	**One SST** Also Acceptable One Red Top
Submit:	**2 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.**
Special Handling:	Separate serum from cells ASAP or within 2 hours of collection
Rejection Criteria:	Plasma
Stability:	Ambient: Unacceptable; Refrigerated: 3 Week(s); Frozen: 6 Month(s); Incubated: Unacceptable
Methodology:	Quantitative Immunoturbidimetry
Performed:	Sun-Sat
Reported:	2-5 Day(s)
CPT Codes:	83250x2
Interpretive Data:	Please see report for interpretive data.
Components:	91461 - KAPPA QNT 91462 - LAMBDA 91463 - RATIO

Please take note of changes to stability, performed dates, CPT codes, and reference ranges.

Reference range changes:

Lambda Quantitative Free Light Chains, Serum: 5.71-26.30 mg/L
Kappa Quantitative Free Light Chains, Serum: 3.30-19.40 mg/L

92133 Pregablin, Serum or Plasma NT

Specimen:	
Collect:	**One Red Top** Also Acceptable One Lavender (EDTA) One Pink Top (EDTA)
Submit:	**1 mL (Min:0.2 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.** Also Acceptable 1 mL (Min:0.2 mL) Plasma. Submit Refrigerated. Submit in a Standard Transport Tube.
Special Handling:	Separate serum from cells ASAP or within 2 hours of collection Collect Serum or Plasma Pre-dose (Trough). Draw at a steady state concetration. Indicate: Dose, Route, Dose Frequency, and Type of Draw.
Rejection Criteria:	Citrated Plasma
Stability:	Ambient: 1 Month(s); Refrigerated: 1 Month(s); Frozen: 2 Month(s); Incubated: Unacceptable
Methodology:	Quantitative Liquid Chromatography-Tandem Mass Spectrometry
Performed:	Wednesday, Saturday
Reported:	2-7 Day(s)
CPT Codes:	80366

New test available for order.

91175 Organic Acids, Urine CC

Specimen:		
Collect:	**Random Urine in Sterile Specimen Container**	
Submit:	**10 mL (Min:3 mL) Random Urine in Sterile Specimen Container. Submit Frozen.**	
Special Handling:	Critical Frozen Freeze urine as soon as possible after collection. Indicate clinical information - age, gender, diet, drug therapy, diagnosis and family history on lab form	
Stability:	Ambient: Unacceptable; Refrigerated: Unacceptable; Frozen: 1 Month(s); Incubated: Unacceptable	
Methodology:	Gas Chromatography/Mass Spectrometry (GCMS)	
Performed:	Mon-Fri	
Reported:	4-8 Day(s)	
CPT Codes:	83918	
Interpretive Data:	Please see report for interpretive data.	
Components:	93493 - LACTIC	93494 - PYRUVIC
	93495 - SUCCINIC	93496 - FUMARIC
	93497 - 2 KETOGLUTARIC	93498 - METHYLMALONIC
	93499 - 3 OH BUTYRIC	93500 - ACETOACETIC
	93501 - 2K 3METHYLVALERIC	93502 - 2K ISOCAPROIC
	93503 - 2K ISOVALERIC	93504 - ETHYLMALONIC
	93505 - ADIPIC	93506 - SUBERIC
	93507 - SEBACIC	93508 - 4OH PHENYLACETIC
	93513 - 4OH PHENYLLACTIC	93514 - 4OH PHENYLPYRUVIC
	93583 - SUCCINYLACETONE	93579 - INTERPRETATION
	93008 - CREAT, UR	90106 – CREATININE, URINE

Please take note of changes to components.
Added: 90106 CREATININE, URINE
Removed: 93008 CREAT, UR

91448 Selenium SRC/RRC

Specimen:	
Collect:	**One Royal Blue (No Additive)** Also Acceptable One Royal Blue (EDTA)
Submit:	**2 mL (Min:0.5 mL) Serum in Trace Element Free Tube. Submit Ambient.** Also Acceptable 2 mL (Min:0.5 mL) Plasma in Trace Element Free Tube. Submit Ambient.
Special Handling:	Separate serum from cells ASAP or within 2 hours of collection Patient Prep: Diet, medication, and nutritional supplements may introduce interfering substances. Patients should be encouraged to discontinue nutritional supplements, vitamins, minerals, and non-essential over-the-counter medications (upon the advice of their physician). Stability: If specimen is drawn and stored in appropriate container the trace element values do not change with time.
Rejection Criteria:	Specimens collected or transported in containers other than specified. Specimens that are not separated from cells within 2 hours.
Stability:	Ambient: 24 Month(s); Refrigerated: 24 Month(s); Frozen: 24 Month(s); Incubated: Unacceptable
Methodology:	Quantitative Inductively Coupled Plasma-Mass Spectrometry
Performed:	Sun-Sat
Reported:	2-4 Day(s)
CPT Codes:	84255

Please take note of changes to rejection criteria, and reference range.
Reference Range: 23.0-190.0 µg/L

91340 Thyroid Stimulating Immunoglobulin SRC/RRC

Specimen:	
Collect:	**One SST** Also Acceptable One Green Top (Li Heparin) One Lavender (EDTA) One Red Top
Submit:	**1 mL (Min:0.5 mL) Serum. Submit Frozen. Submit in a Standard Transport Tube.** Also Acceptable 1 mL (Min:0.5 mL) Plasma. Submit Frozen. Submit in a Standard Transport Tube.
Special Handling:	Allow specimen to clot completely at room temperature Separate serum from cells ASAP or within 2 hours of collection
Stability:	Ambient: 1 Day(s); Refrigerated: 1 Week(s); Frozen: 12 Month(s); Incubated: Unacceptable
Methodology:	Semi-Quantitative Chemiluminescent Immunoassay
Performed:	Sun-Sat
Reported:	2-4 Day(s)
CPT Codes:	84445

Please take note of changes to performed dates and reference range.
Reference Range:
0.54 IU/L or less: Consistent with healthy thyroid function or non-Graves thyroid or autoimmune disease.Those with healthy thyroid function typically have results less than 0.1 IU/L.
0.55 IU/L or greater: Consistent with Graves disease (autoimmune hyperthyroidism).