

As an Interpath customer who receives electronic results or sends electronic orders you may need to be notified when we update our Service Manual. Although we try to keep these changes to a minimum, laboratory medicine is an evolving industry requiring changes to our technology from time to time. Depending on the requirements of your EMR or Hospital Information System you may be required to make similar changes to your system in order to correctly process inbound electronic results and create outbound electronic orders.

If you are uncertain that you are required to update your system we recommend that you contact your vendor for more information. As your laboratory service provider we are available to participate in the discussion with your vendor so that you clearly understand the impact of these changes.

Included in this email:

- This cover letter with a summary of the changes
- Microsoft Word® Document with the detail of these changes to our Service Manual
- Interpath Master Order/Result Compendium

Additional information including our most recent Service Manual and additional contact information can be found at [www.interpathlab.com](http://www.interpathlab.com)

**Effective Date: February 21, 2023**

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Order Code	Test Name	NC	CC	CPT	SRC	RRC	NT	DT	AOE
		Name Change	Component Change	CPT Change	Specimen Requirements Change	Reference Range Change	New Test	Discontinued Test	Ask on Order Entry Questions
93880	Autoimmune Liver Disease Reflexive Panel				◆				
92210	BK Virus by Quantitative NAAT, Plasma						◆		
92215	BK Virus by Quantitative NAAT, Urine						◆		
90020	BK Virus, Quant by PCR							◆	
91042	Calcium, Ionized					◆			
95050	Gastrointestinal Pathogens Panel by PCR		◆						
90200	Hemoglobin Evaluation Reflexive Cascade				◆				
91267	Hypersensitivity Pneumonitis 1		◆	◆					
5181	N. Gonorrhea, Chlamydia, Mycoplasma Genitalium NAAT						◆		
5182	N. Gonorrhea, Chlamydia, Trichomonas, Mycoplasma Genitalium NAAT						◆		
2739	Procalcitonin							◆	
93845	Procalcitonin						◆		
5184	truSwab Vaginitis Panel without Trichomonas						◆		
5185	truSwab Panel Candida and Trichomonas Only						◆		

**93880 Autoimmune Liver Disease Reflexive Panel**
**SRC**

<b>Specimen:</b>	
Collect:	<b>One SST</b>  Also Acceptable One Red Top One Standard Transport Tube
Submit:	<b>1.5 mL (Min:1 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.</b>
Special Handling:	Separate serum from cells ASAP or within 2 hours of collection If F-Actin IgG result is 20 Units or greater, then Smooth Muscle Antibody IgG Titer will be added. Additional charges apply.  Positive ANAs will reflex and report patterns and endpoint titers at no additional charge.
Rejection Criteria:	Grossly Hemolyzed Samples Grossly Lipemic Samples Heat inactivated Contaminated Grossly Icteric Inclusion of fibrin clot
Stability:	Ambient: 2 Day(s); Refrigerated: 2 Week(s); Frozen: 12 Month(s); Incubated: Unacceptable
<b>Methodology:</b>	Semi-Quantitative Enzyme-Linked Immunosorbent Assay ; Semi-Quantitative Indirect Fluorescent Antibody
<b>Performed:</b>	Sun-Sat
<b>Reported:</b>	2-10 Day(s)
<b>CPT Codes:</b>	86039 86376 83516x3
<b>Interpretive Data:</b>	Please see report for interpretive data.
<b>Components:</b>	91529 - MITOCHONDRIAL M2 91528 - LKM-1 AB, IgG 91527 - F-ACTIN AB, IgG 91751 - ANA, HEp-2, IgG 91752 - ANA INTERP 91531 - SOLUBLE LIVER, IgG

**Please take note of changes to the submit and minimum volume.**

**92210 BK Virus by Quantitative NAAT, Plasma**
**NT**

<b>Specimen:</b>	
Collect:	<b>One Lavender (EDTA)</b>  Also Acceptable One Pink Top (EDTA)
Submit:	<b>2 mL (Min:1 mL) Plasma. Submit Frozen. Submit in a Standard Transport Tube.</b>
Special Handling:	Separate from cells within 24 hours of collection. For urine, order appropriate BK Virus by Quantitative NAAT, Urine test.
Rejection Criteria:	Heparin Anticoagulant Serum Urine Whole blood
Stability:	Ambient: Unacceptable; Refrigerated: 6 Day(s); Frozen: 6 Month(s); Incubated: Unacceptable
<b>Methodology:</b>	Quantitative Polymerase Chain Reaction
<b>Performed:</b>	Sun-Sat
<b>Reported:</b>	3-5 Day(s)
<b>Interpretive Data:</b>	Please see report for interpretive data.
<b>Components:</b>	92211 - BK QNT NAAT 92213 - BK QNT NAAT,INTERP  92212 - BK QNT NAAT, LOG

**Please take note of new test available for order. Will replace 90020 BK Virus, Quant by PCR.**

**92215 BK Virus by Quantitative NAAT, Urine**
**NT**

<b>Specimen:</b>	
Collect:	<b>Random Urine in Sterile Specimen Container</b>  Also Acceptable Random Urine in Cobas PCR Urine
Submit:	<b>Random Urine in Cobas PCR Urine. Submit Refrigerated.</b>
Special Handling:	Immediately transfer urine to a Cobas(R) PCR urine sample tube. Liquid level must be between the black fill lines on the tube. Stability: Applies to Urine in media.
Rejection Criteria:	Under-or over-filled tubes. Specimens in any transport media other than indicated.
Stability:	Ambient: 3 Month(s); Refrigerated: 3 Month(s); Frozen: Unacceptable; Incubated: Unacceptable
<b>Methodology:</b>	Quantitative Polymerase Chain Reaction
<b>Performed:</b>	Sun-Sat
<b>Reported:</b>	3-5 Day(s)
<b>Interpretive Data:</b>	Please see report for interpretive data.
<b>Components:</b>	92216 - BK QNT BY NAAT 92218 - BK QNT NAAT,INTERP  92217 - BK QNT NAAT, LOG

**Please take note of new test available for order. Will replace 90020 BK Virus, Quant by PCR**

**90020 BK Virus, Quant by PCR**
**DT**

**Please take note, test is being discontinued. Instead see test 92210 BK Virus by Quantitative NAAT, Plasma or 92215 BK Virus by Quantitative NAAT, Urine.**

**91042 Calcium, Ionized**
**RRC**

<b>Specimen:</b>	
Collect:	<b>One SST</b>
Submit:	<b>5 mL (Min:0.5 mL) Serum in SST. Submit Refrigerated.</b>
Special Handling:	Specimen Preparation: Do not open the tube or split the specimen. Do not freeze separator tube. Do not expose specimen to air at any time during collection or transport process. Centrifuge with stopper in place within one hour of collection. Transport upright in ORIGINAL SERUM SEPARATOR TUBE. DO NOT SHIP ON DRY ICE.  Due to special handling, this test cannot be added to previously drawn specimens.  Sample cannot be shared with other testing.
Rejection Criteria:	Specimens exposed to air at any time during collection or transport process.
Stability:	Ambient: 1 Day(s); Refrigerated: 1 Week(s); Frozen: Unacceptable; Incubated: Unacceptable
<b>Methodology:</b>	Ion Selective Electrode (ISE); pH Electrode
<b>Performed:</b>	Sun-Sat
<b>Reported:</b>	1-2 Day(s)
<b>CPT Codes:</b>	82330
<b>Interpretive Data:</b>	Please see report for interpretive data.
<b>Components:</b>	93004 - CA Ionized Serum <span style="float: right;">93005 - CA Ionized pH 7.4</span>

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

**Reference Range changes:**

Ionized Calcium (ISE): 1.09-1.30 mmol/L

Ionized Calcium (calculation at pH 7.4): 1.09-1.30 mmol/L

**95050 Gastrointestinal Pathogens Panel by PCR**
**CC**

<b>Specimen:</b>																							
Collect:	<b>Random Stool in Enteric Pathogen Transport Media</b>																						
Submit:	<b>(Min:0.5 ) Random Stool in Enteric Pathogen Transport Media. Submit Refrigerated.</b>																						
Rejection Criteria:	Unpreserved stool. Stool in media other than Cary-Blair. Rectal Swabs.																						
Stability:	Ambient: 4 Day(s); Refrigerated: 4 Day(s); Frozen: Unacceptable; Incubated: Unacceptable																						
<b>Methodology:</b>	Qualitative Polymerase Chain Reaction (PCR)																						
<b>Performed:</b>	Sun-Sat																						
<b>Reported:</b>	3-5 Day(s)																						
<b>CPT Codes:</b>	87507																						
<b>Interpretive Data:</b>	Please see report for interpretive data.																						
<b>Components:</b>	<table border="0"> <tr> <td>95051 - CAMPYLOBACTER</td> <td><del>95052 - C. DIFF TOXIN A/B</del></td> </tr> <tr> <td>95053 - P. SHIGELLOIDES</td> <td>95054 - SALMONELLA</td> </tr> <tr> <td>95055 - VIBRIO</td> <td>95056 - VIBRIO CHOLERAEE</td> </tr> <tr> <td>95057 - YERSINIA ENTERO</td> <td>95058 - E. COLI (EAEC)</td> </tr> <tr> <td>95059 - E. COLI (EPEC)</td> <td>95060 - E. COLI (ETEC)</td> </tr> <tr> <td>95061 - SHIGA TOXIN (STEC)</td> <td>95062 - E. COLI O157</td> </tr> <tr> <td>95063 - SHIGELLA</td> <td>95064 - CRYPTOSPORIDIUM</td> </tr> <tr> <td>95065 - CYCLOSPORA</td> <td>95066 - ENTAMOEBA</td> </tr> <tr> <td>95067 - GIARDIA</td> <td>95068 - ADENOVIRUS 40/41</td> </tr> <tr> <td>95069 - ASTROVIRUS</td> <td>95070 - NOROVIRUS GI/GII</td> </tr> <tr> <td>95071 - ROTAVIRUS A</td> <td>95072 - SAPOVIRUS</td> </tr> </table>	95051 - CAMPYLOBACTER	<del>95052 - C. DIFF TOXIN A/B</del>	95053 - P. SHIGELLOIDES	95054 - SALMONELLA	95055 - VIBRIO	95056 - VIBRIO CHOLERAEE	95057 - YERSINIA ENTERO	95058 - E. COLI (EAEC)	95059 - E. COLI (EPEC)	95060 - E. COLI (ETEC)	95061 - SHIGA TOXIN (STEC)	95062 - E. COLI O157	95063 - SHIGELLA	95064 - CRYPTOSPORIDIUM	95065 - CYCLOSPORA	95066 - ENTAMOEBA	95067 - GIARDIA	95068 - ADENOVIRUS 40/41	95069 - ASTROVIRUS	95070 - NOROVIRUS GI/GII	95071 - ROTAVIRUS A	95072 - SAPOVIRUS
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**Please take note of changes to components, ~~95052 C. DIFF TOXIN A/B~~ is being removed.**

**90200 Hemoglobin Evaluation Reflexive Cascade**
**SRC**

<b>Specimen:</b>																	
Collect:	<b>One Lavender (EDTA)</b>  Also Acceptable One Pink Top (EDTA)																
Submit:	<b>5 mL (Min:3 mL) Whole blood in Lavender (EDTA). Submit Refrigerated.</b>  Also Acceptable <b>5 mL (Min:3 mL)</b> Whole blood in Pink Top (EDTA). Submit Refrigerated.																
Special Handling:	Patient history form, including information from a recent CBC, is required for interpretation.  Separate specimens must be submitted when multiple tests are ordered.  Abnormal results reflex. Additional charges will apply.																
Stability:	Ambient: Unacceptable; Refrigerated: 1 Week(s); Frozen: Unacceptable; Incubated: Unacceptable																
<b>Methodology:</b>	<b>Capillary Electrophoresis</b> ; Electrophoresis; Fluorescence Resonance Energy Transfer; High Performance Liquid Chromatography; Massively Parallel Sequencing; Polymerase Chain Reaction (PCR); RBC Solubility; Sequencing																
<b>Performed:</b>	Sun-Sat																
<b>Reported:</b>	Varies																
<b>CPT Codes:</b>	83021																
<b>Interpretive Data:</b>	Please see report for interpretive data.																
<b>Components:</b>	<table border="0" style="width: 100%;"> <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 ELECRO</td> </tr> <tr> <td>90187 - ALPHA GLOBIN</td> <td>90188 - ALPHA THALASSEMIA</td> </tr> <tr> <td>90199 - BETA GLOBIN SEQU</td> <td>92019 - BETA GLOBIN DEL</td> </tr> <tr> <td>92182 - GAMMA GLOBIN SEQ</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 ELECRO	90187 - ALPHA GLOBIN	90188 - ALPHA THALASSEMIA	90199 - BETA GLOBIN SEQU	92019 - BETA GLOBIN DEL	92182 - GAMMA GLOBIN SEQ	92027 - INTERPRETATION
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**Please take note of submit and minimum submit specimen requirements and addition to methodology.**

**91267 Hypersensitivity Pneumonitis 1**
**CC/CPT**

<b>Specimen:</b>	
Collect:	<b>One SST</b>  Also Acceptable One Red Top One Standard Transport Tube
Submit:	<b>1 mL (Min:0.5 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.</b>
Special Handling:	Avoid Repeated Freeze/Thaw Cycles Separate from cells ASAP
Stability:	Ambient: 2 Day(s); Refrigerated: 2 Week(s); Frozen: 12 Month(s); Incubated: Unacceptable
<b>Methodology:</b>	Immunodiffusion
<b>Performed:</b>	Sun-Sat
<b>Reported:</b>	4-8 Day(s)
<b>CPT Codes:</b>	<b>86331x3</b> 86606x2
<b>Interpretive Data:</b>	Please see report for interpretive data.
<b>Components:</b>	93429 - A. FUMIGATUS #1 93430 - A. FUMIGATUS #6 93431 -A. PULLULANS AB 93432 - PIGEON SERUM 93433 -M. FAENI AB <b>93434 - THERMOACTINOMYCES</b>

**Please take note of CPT code update, removal of component **93434 – THERMOACTINOMYCES.****



**5181 N. Gonorrhea, Chlamydia, Mycoplasma Genitalium NAAT**
**NT**

<b>Specimen:</b>	
Collect:	<b>One Vaginal Swab in Aptima Kit-Multitest (Orange)</b>  Also Acceptable One Random Urine in Aptima Kit-Urine (Yellow) Random Urine in Sterile Specimen Container
Submit:	<b>One Vaginal Swab in Aptima Kit-Multitest (Orange). Submit Ambient.</b>  Also Acceptable One Random Urine in Aptima Kit-Urine (Yellow). Submit Ambient.
Special Handling:	Vaginal specimens: Both clinician collected and patient self-collected vaginal swabs are acceptable. Urine Specimens: The patient should not have urinated for at least one hour prior to sampling. Do not cleanse the area prior to providing the specimen. Direct the patient to provide first-catch urine into a sterile urine collection cup and then transfer appropriate amount of specimen into the Urine Aptima Kit. Liquid must fall between 2 black indicator lines on APTIMA Kit. Please note: Random urine stable for 24-hours before being transferred to APTIMA kit.  First catch female urine specimens are acceptable but may detect up to 10% fewer CT/GC infections when compared with vaginal specimens.
Rejection Criteria:	Patients under 14 years of age. Swab transport tube with no swab, two swabs, a cleaning swab, or a swab not supplied by kit if Aptima collection. Sample collected after Aptima Collection kit expiration date. Aptima Urine level not between 2 black indicator lines.
Stability:	Ambient: 1 Month(s); Refrigerated: 1 Month(s); Frozen: Unacceptable; Incubated: Unacceptable
<b>Methodology:</b>	Target Amplified Nucleic Acid Probe
<b>Performed:</b>	Mon-Fri
<b>Reported:</b>	1-3 Day(s)
<b>Interpretive Data:</b>	Please see report for interpretive data.
<b>Components:</b>	1126 - N. GONORRHEA 5183 - M.GENITALIUM, RNA  1127 - CHLAMYDIA

**Please take note of new test available for order.**

**5182 N. Gonorrhea, Chlamydia, Trichomonas, Mycoplasma Genitalium NAAT NT**

<b>Specimen:</b>	
Collect:	<b>One Vaginal Swab in Aptima Kit-Multitest (Orange)</b>  Also Acceptable One Random Urine in Aptima Kit-Urine (Yellow) Random Urine in Sterile Specimen Container
Submit:	<b>One Vaginal Swab in Aptima Kit-Multitest (Orange). Submit Ambient.</b>  Also Acceptable One Random Urine in Aptima Kit-Urine (Yellow). Submit Ambient.
Special Handling:	Vaginal specimens: Both clinician collected and patient self-collected vaginal swabs are acceptable. Urine Specimens: The patient should not have urinated for at least one hour prior to sampling. Do not cleanse the area prior to providing the specimen. Direct the patient to provide first-catch urine into a sterile urine collection cup and then transfer appropriate amount of specimen into the Urine Aptima Kit. Liquid must fall between 2 black indicator lines on APTIMA Kit. Please note: Random urine stable for 24-hours before being transferred to APTIMA kit.  First catch female urine specimens are acceptable but may detect up to 10% fewer CT/GC infections when compared with vaginal specimens.
Rejection Criteria:	Patients under 14 years of age. Swab transport tube with no swab, two swabs, a cleaning swab, or a swab not supplied by kit if Aptima collection. Sample collected after Aptima Collection kit expiration date. Aptima Urine level not between 2 black indicator lines.
Stability:	Ambient: 1 Month(s); Refrigerated: 1 Month(s); Frozen: Unacceptable; Incubated: Unacceptable
<b>Methodology:</b>	Target Amplified Nucleic Acid Probe
<b>Performed:</b>	Mon-Fri
<b>Reported:</b>	1-3 Day(s)
<b>Interpretive Data:</b>	Please see report for interpretive data.
<b>Components:</b>	1126 - N. GONORRHEA 2827 - TRICHOMONAS 1127 - CHLAMYDIA 5183 - M.GENITALIUM, RNA

**Please take note of new test available for order.**

**2739 Procalcitonin**
**DT**

Please take note, test is being discontinued Instead see test 93845 Procalcitonin.

**93845 Procalcitonin**
**NT**

<b>Specimen:</b>	
Collect:	<b>One SST</b> Also Acceptable One Red Top One Standard Transport Tube
Submit:	<b>2 mL (Min:0.3 mL) Serum. Submit Refrigerated. Submit in a Standard Transport Tube.</b>
Special Handling:	Separate from cells within 2 hours of collection Allow serum to sit for 15-20 minutes for proper clot formation and to ensure the absence of fibrin in the serum which can interfere with this assay.
Stability:	Ambient: 1 Day(s); Refrigerated: 5 Day(s); Frozen: 15 Day(s); Incubated: Unacceptable
<b>Methodology:</b>	Immunoassay
<b>Performed:</b>	Sun-Sat
<b>Reported:</b>	1-2 Day(s)
<b>CPT Codes:</b>	84145

**Please take note of new test available for order.**

**5184 truSwab Vaginitis Panel without Trichomonas**
**NT**

<b>Specimen:</b>	
Collect:	<b>One Vaginal Swab in Aptima Kit-Multitest (Orange)</b>
Submit:	<b>One Vaginal Swab in Aptima Kit-Multitest (Orange). Submit Ambient.</b>
Special Handling:	Both clinician collected and patient self-collected vaginal swabs are acceptable.
Rejection Criteria:	Patients under 14 years of age. Swab transport tube with no swab, two swabs, a cleaning swab, or a swab not supplied by kit if Aptima collection. Sample collected after Aptima Collection kit expiration date.
Stability:	Ambient: 1 Month(s); Refrigerated: 1 Month(s); Frozen: Unacceptable; Incubated: Unacceptable
<b>Methodology:</b>	Target Amplified Nucleic Acid Probe
<b>Performed:</b>	Mon-Fri
<b>Reported:</b>	1-3 Day(s)
<b>Interpretive Data:</b>	Please see report for interpretive data.
<b>Components:</b>	1126 - N. GONORRHEA 1156 - GARDNERELLA 1159 - CANDIDA GLABRATA 1127 - CHLAMYDIA 1158 - CANDIDA SPECIES

**Please take note of new test available for order.**
**5185 truSwab Panel Candida and Trichomonas Only**
**NT**

<b>Specimen:</b>	
Collect:	<b>One Vaginal Swab in Aptima Kit-Multitest (Orange)</b>
Submit:	<b>One Vaginal Swab in Aptima Kit-Multitest (Orange). Submit Ambient.</b>
Special Handling:	Both clinician collected and patient self-collected vaginal swabs are acceptable.
Rejection Criteria:	Patients under 14 years of age. Swab transport tube with no swab, two swabs, a cleaning swab, or a swab not supplied by kit if Aptima collection. Sample collected after Aptima Collection kit expiration date.
Stability:	Ambient: 1 Month(s); Refrigerated: 1 Month(s); Frozen: Unacceptable; Incubated: Unacceptable
<b>Methodology:</b>	Target Amplified Nucleic Acid Probe
<b>Performed:</b>	Mon-Fri
<b>Reported:</b>	1-3 Day(s)
<b>Interpretive Data:</b>	Please see report for interpretive data.
<b>Components:</b>	1158 - CANDIDA SPECIES 2827 - TRICHOMONAS 1159 - CANDIDA GLABRATA

**Please take note of new test available for order.**