

**CORRECTIONS AND UPDATED TESTS - Please update your EMR catalog with those appropriate to your practice**

*This file contains updates and/or corrections to the following tests, Look for the entries with the Blue Box in the header bar.*

**Modify Section - Specimen Clarification** **Updated Information**

Test Code	Test Name	Mnemonic	Category/Type
4301650	Cyanide Level	CYANIDE	Detail

*See page 9*

**Modify Section - Specimen Clarification** **Updated Information**

Test Code	Test Name	Mnemonic	Category/Type
4001800	Digitoxin Level	DIGITOXIN	Detail

*See page 9*

**Modify Section - Order Code Correction** **Updated Information**

Test Code	Test Name	Mnemonic	Category/Type
5614499	Interleukin-6	INTERLEU 6	Detail

*See page 12*

**INACTIVE Section - Replacement Order Code Correction** **Updated Information**

Test Code	Test Name	Mnemonic	Category/Type
0111325	Interleukin-6	INTERLEU-6	Detail

*See page 16*

**NEW TESTS - Please update your EMR catalog with those appropriate to your practice**
**New Test Effective : 09/05/2017**

Test Code	Test Name	Mnemonic	Category/Type	Careset Component Information						
3612483	Thyroglobulin Panel	Thyroglob Pnl	Careset							
				<i>Order Code</i>	<i>LOINC</i>	<i>Result Code</i>	<i>Mnemonic</i>	<i>Test Name</i>	<i>Reference Range UOM</i>	<i>Result Type</i>
CPT: 86800 Price: \$95.55	<i>This is the replacement assay for the discontinued assay for the Thyroglobulin 3608030</i>			3612480			THYRO A A	Thyroglobulin Autoantibody		
	<i>This replacement will always test for both the Thyroglobulin Level along with Thyroglobulin Auto-Antibody</i>				8098-6	3612480	Thyro Autoab	Thyroglobulin Autoantibody	0.00 - 0.50 Units	Numeric XXXX.XX
CPT: 84432 Price: \$70.95				3612487			.THYROGLOB	.Thyroglobulin Level		
	Specimen Collection 3 mL (1.8 mL) Serum Clot Activator SST (Red/Gray or Tiger Top) Allow specimen to clot fully, centrifuge, remove and freeze serum. Serum stability: Room Temperature = 8 hrs; Refrigerated = 3 days; Frozen = 60 days. Set Up Mon-Fri / TAT 1-4 days from set up				3013-0	3608030	Thyroglob Lvl	Thyroglobulin Level	1.60 - 59.90 ng/mL	Numeric XXXX.XX

The ".Thyroglobulin Level" 3612487 is not orderable by itself, only as part of this Panel and the Analyzer below

**New Test Effective : 09/05/2017**

Test Code	Test Name	Mnemonic	Category/Type	Careset Component Information						
3612485	Thyroglobulin Analyzer	Thyroglob An	Careset							
				<i>Order Code</i>	<i>LOINC</i>	<i>Result Code</i>	<i>Mnemonic</i>	<i>Test Name</i>	<i>Reference Range UOM</i>	<i>Result Type</i>
CPT: 86800 Price: \$95.55	<i>This RML Analyzer will use the result from the Thyroglobulin Autoantibody to reflex to a Thyroglobulin Level tested by different methods.</i>			3612480			THYRO A A	Thyroglobulin Autoantibody		
					8098-6	3612480	Thyro Autoab	Thyroglobulin Autoantibody	0.00 - 0.50 Units	Numeric XXXX.XX
				3612481			.Thyroglob An Ord	.Thyroglobulin Analyzer Order	n/a	n/a
	Specimen Collection 3 mL (1.8 mL) Serum Clot Activator SST (Red/Gray or Tiger Top) Transport Temperature: Refrigerated or Frozen. Unacceptable Conditions: Samples left ambient for greater than 1 day Stability After separation from cells: Ambient: 1 day; Refrigerated: 1 week; Frozen: 1 year Initial testing is Set Up Mon-Fri / TAT 1-4 days from set up					n/a	Thyroglob An Ord	Thyroglob An Ord		

The ".Thyroglobulin Analyzer Order" 3612481 is not orderable by itself and is an internal test used only to help reflex to the next test in the analyzer.

If Thyroglobulin Autoantibody is Negative the RML performed ".Thyroglobulin Level" 3612487 will be Reflexed

Test Code	Test Name	Mnemonic	Category/Type	<i>LOINC</i>	<i>Result Code</i>	<i>Mnemonic</i>	<i>Result Name</i>	<i>Reference Range UOM</i>	<i>Result Type</i>
3612487	.Thyroglobulin Level	.THYROGLOB	Detail	3013-0	3608030	Thyroglob Lvl	Thyroglobulin Level	1.60 - 59.90 ng/mL	Numeric XXXX.XX
CPT: 84432 Price: \$70.95	Performed at Regional Medical Laboratory Set up Mon, Wed, Fri / TAT 2-3 days from set up								

If Thyroglobulin Autoantibody is Positive the ARUP performed ".Thyroglobulin by LC-MS/MS" 3612488 will be Reflexed

Test Code	Test Name	Mnemonic	Category/Type	<i>LOINC</i>	<i>Result Code</i>	<i>Mnemonic</i>	<i>Result Name</i>	<i>Reference Range UOM</i>	<i>Result Type</i>
3612488	.Thyroglobulin by LC-MS/MS	.THYROGL REF	Detail	3013-0	3612488	Thyroglob Ref	Thyroglob Ref	See Below	Numeric XXXXX.X
CPT: 84432 Price: \$295.00	Performed at ARUP Laboratory Set up Mon, Wed, Thu, Sat / TAT 1-6 days from set up								
							<b>Age</b>	<b>Reference Interval</b>	
							6 months - 3 years	7.4 - 48.7 ng/mL	
							4 - 7 years	4.1 - 40.5 ng/mL	
							8 - 17 years	0.8 - 29.4 ng/mL	
							18 years and older	1.3 - 31.8 ng/mL	

<b>New Test Effective : Immediately</b>									
Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
4302200	Volatile Screen	VOLATILES	Group						
CPT: 84600	<i>This is the replacement assay for the</i>			n/a	4302100	Methanol Lvl	Methanol Level	0 mg/dL	Numeric XXXXX.X
Price: \$211.40	<i>Discontinued assay for the following deactivate tests:</i>			2513-0	4304000	Acetone Quan	Acetone Quantitative	0 mg/dL	Numeric XXXXX.X
	<i>Methanol 4302100</i>			n/a	4303950	Isopropanol Lvl	Isopropanol Level	0 ng/dL	Numeric XXXXX.X
	<i>Acetone 4304000</i>			5643-2	4303900	Ethanol Lvl	Ethanol Level	0 mg/dL	Numeric XXXXX.X
3.0mL ( 0.5mL) Whole Blood Dark Green No-Gel Heparin (Na or Li) Transport Room Temp. / Refrigerated Do not uncap tube prior to testing Specimen Stability: Room temperature: 72 hours, Refrigerated: 72 hours, Frozen: unacceptable									

**MODIFICATION TESTS - Please update your EMR catalog with those appropriate to your practice**

<b>Modify Test Effective : Immediately - Please update your EMR catalog with those appropriate to your practice -</b>									
Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
6006447	14-3-3 Protein Tau/Theta, RT-QuIC Analysis, CSF	14-3-3 PROT	Detail						
CPT: 86317;	<i>Additional CPT Code 87798 added to this panel</i>			51833-2	6006447	14-3-3 Prot Csf	14-3-3 Prot Csf	By Report	Alpha
84182; 87798	This test will no longer Reflex to RT-QuIC Analysis, CSF (RML code 6006449) it will now be part of this report on every order.								
Price: \$95.55	The first 2 mL of CSF that flows from the tap should be discarded. Transfer 5 mL (Min: 2 mL) CSF to an ARUP Standard Transport Tube and freeze immediately. Storage/Transport Temperature: Frozen. Unacceptable Conditions: Specimens exposed to more than one freeze/thaw cycle. Stability: Ambient: 48 hours; Refrigerated: 2 weeks; Frozen: Indefinitely (Avoid repeated freeze/thaw cycles)								

<b>Modify Test Effective : 08/28/2017 - Please update your EMR catalog with those appropriate to your practice -</b>								<b>Order Code Corrected</b>	
Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
4501000	Iron Profile	IRON/TIBC	Group						
CPT: 83540,	Specimen: Serum refrigerated		existing assay	24984-4	4501050	Iron Lvl	Iron Level	no change ug/dL	Numeric XXXX
83550	Collection: SST (Red/Gray or Tiger Top)		existing assay	2500-7	4501100	TIBC	TIBC	no change ug/dL	Numeric XXXX
Price: \$77.75	Stability: 7 days refrigerated		existing assay	2502-3	4501150	Iron Sat	Iron Saturation	no change %	Numeric XXX
	TAT: 1-2 days		existing assay	2501-5	4501125	UIBC	UIBC	no change ug/dL	Numeric XXX
	TAT: 1-2 days		le with Ferritin (Iron Group) 2019150, RML HEP Liver Panel 3600175, Iron Absorption 4505595, actic Male Profile 2951225. These CareSet Panels will also be affected.						
<i>See New Reflex Information Below</i>									
<i>If UIBC is less than 55 we will perform the following tests at no additional charge:</i>									

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
691091	.Iron with Total Iron Binding Capacity	.Iron TIBC	Group						
CPT: N/A	<i>This is a Reflex Order Only, Not Orderable Individually</i>			n/a	5001825	Transferrin	Transferrin	197-359 mg/dL	Numeric XXXX
Price: N/A	<i>Same Specimen is used from the above test.</i>			n/a	4501101	Est TIBC	Est TIBC	280-380 ug/dL	Numeric XXXX
			new assay	n/a	4501151	Est %Sat	Est %Sat	0-1 Yrs 10 - 45 %	Numeric XXX
			new assay					1-150 Yrs 15 - 50 %	

**Modify Test Effective : 08/28/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
4503450	Dialysis Iron Profile	DIAL TIBC	Group						
CPT: 83540, 83550 Price: \$82.10	Specimen: Serum refrigerated Collection: SST (Red/Gray or Tiger Top) Stability: 7 days refrigerated TAT: 1-2 days		existing assay	24984-4	4501050	Iron Lvl	Iron Level	no change ug/dL	Numeric XXXX
			existing assay	2500-7	4501100	TIBC	TIBC	no change ug/dL	Numeric XXXX
			existing assay	2502-3	4501150	Iron Sat	Iron Saturation	no change %	Numeric XXX
			existing assay	2501-5	4501125	UIBC	UIBC	no change ug/dL	Numeric XXX

*See New Reflex Information Below*

*If UIBC is less than 55 we will perform the following tests at no additional charge:*

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
691091	.Iron with Total Iron Binding Capacity	.Iron TIBC	Group						
CPT: N/A Price: N/A	<i>This is a Reflex Order Only, Not Orderable Individually Same Specimen is used from the above test.</i>		existing assay	n/a	5001825	Transferrin	Transferrin	197-359 mg/dL	Numeric XXXX
			new assay	n/a	4501101	Est TIBC	Est TIBC	280-380 ug/dL	Numeric XXXX
			new assay	n/a	4501151	Est %Sat	Est %Sat	0-1 Yrs 10 - 45 %	Numeric XXX
								1-150 Yrs 15 - 50 %	

**Modify Test Effective : 08/28/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
4501525	TIBC/% Saturation Iron Profile Analyzer	AN %SAT/TIBC	Group						
CPT: 83550 Price: \$45.20	Specimen: Serum refrigerated Collection: SST (Red/Gray or Tiger Top) Stability: 7 days refrigerated TAT: 1-2 days		existing assay	24984-4	4501050	Iron Lvl	Iron Level	no change ug/dL	Numeric XXXX
			existing assay	2500-7	4501100	TIBC	TIBC	no change ug/dL	Numeric XXXX
			existing assay	2502-3	4501150	Iron Sat	Iron Saturation	no change %	Numeric XXX
			existing assay	2501-5	4501125	UIBC	UIBC	no change ug/dL	Numeric XXX

*See New Reflex Information Below*

*If UIBC is less than 55 we will perform the following tests at no additional charge:*

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
691091	.Iron with Total Iron Binding Capacity	.Iron TIBC	Group						
CPT: N/A Price: N/A	<i>This is a Reflex Order Only, Not Orderable Individually Same Specimen is used from the above test.</i>		existing assay	n/a	5001825	Transferrin	Transferrin	197-359 mg/dL	Numeric XXXX
			new assay	n/a	4501101	Est TIBC	Est TIBC	280-380 ug/dL	Numeric XXXX
			new assay	n/a	4501151	Est %Sat	Est %Sat	0-1 Yrs 10 - 45 %	Numeric XXX
								1-150 Yrs 15 - 50 %	

**Modify Test Effective : 08/28/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	Careset Component Information						
			Careset	Order Code	LOINC	Result Code	Mnemonic	Test Name	Reference Range UOM	Result Type
5563986	Herpes Virus 1 and 2 IgG/IgM Antibody Panel	Herpes Pnl	Careset							
CPT: 86694 86695, 86696 Price: \$253.60	3 mL Serum Clot Activator SST (Red/Gray or Tiger Top) Temperature: Refrigerated or Frozen			3630376			HSV 1/2 Ab IgG	Herpes Simplex Virus Type 1 and Type 2 Antibodies		
					5206-8	5565727	HSV1 IgG	HSV1 IgG	0.00-0.89 Index	Numeric XXX.XX
					51916-5	5565728	HSV1 IgG Int	HSV1 IgG Interpretation	Negative	Alpha
					5209-2	5565827	HSV2 IgG	HSV2 IgG	0.00-0.89 Index	Numeric XXX.XX
					43180-9	5565828	HSV2 IgG Int	HSV2 IgG Interpretation	Negative	Alpha
				5564505			HSVM1/2EIA	Herpes Simplex Virus 1/2 IgM		
	41399-7	5564505	HSV 1/2 IgM	Herpes IgM Type 1/2	0.00-0.89 Index	Numeric XXX.XX				

Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -									
Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
3655875	HSP-70 Anitibody (Anti-68 kd Antigen)	68 KD AB	Detail	43597-4	3655875	HSP-70 Ab	HSP-70 Antibody (Anti-68 kd Antigen)	Negative	Alpha
CPT: 83516 <b>Change in CPT code from 84181 to 83516</b> Price: \$305.85 Serum Separator Tube (SST) or Plain Red. Transfer 0.5 mL serum to a Standard Transport Tube. (Min: 0.1 mL) Transport Refrigerated Unacceptable Conditions: Urine or plasma. Heat inactivated and contaminated specimens. Stability: Ambient: 48 hours; Refrigerated: 2 weeks; Frozen: 1 year Set up Sun, Tue, Thu / TAT 1-4 Days from set up									
Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -									
Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
2000275	Prostatic Acid Phosphatase	ACID PHS P	Detail	20420-6	2000275	Prost Acid Phos	Prostatic Acid Phosphatase	0.0-3.5 ng/mL	Numeric XXXXX.X
CPT: 84066 <b>New Reference Range</b> Price: \$70.85 Serum separator tube. Allow specimen to clot completely at room temperature. Transfer 1 mL serum to a Standard Transport Tube. (Min: 0.5 mL) Temperature: Frozen. Separate specimens must be submitted when multiple tests are ordered. Unacceptable Conditions: Specimens refrigerated more than 24 hours or left at room temperature more than 3 hours. Stability After separation from cells: Ambient: 3 hours; Refrigerated: 24 hours; Frozen: 6 months Set up Sun-Sat / TAT 24hr from set up Specimen should be obtained before rectal examination, biopsy, prostatectomy or prostatic massage, since manipulation of the prostate gland may lead to elevated PAP levels persisting up to 24-48 hours.									
Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -									
Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
1504300	Alpha-2-antiplasmin	ALPH-2-ANT	Detail	27810-1	1504300	Alph-2-ant	Alpha-2-antiplasmin	See below	Numeric XXX
CPT: 85410 <b>New Reference Range</b> Price: \$213.85 Plasma Sodium Citrate 3.2% (Blue Top) Transfer 1.0mL ( 0.5mL) platelet-poor plasma to a Standard Transport Tube and Freeze! CRITICAL FROZEN. Separate specimens must be submitted when multiple tests are ordered. Unacceptable Conditions: Serum. EDTA plasma, clotted or hemolyzed specimens. Stability: Ambient: 4 hours; Refrigerated: Unacceptable; Frozen: at -20°C: 3 months; at -70°C: 6 months Set up Mon, Thu / TAT 1-5 Days from set up 1-4 days: 55-115% 5-29 days: 70-130% 30-89 days: 76-124% 90-179 days: 76-140% 180-364 days: 83-139% 1-5 years: 93-117% 6 years: 89-110% 7-9 years: 88-147% 10-11 years: 90-144% 12-13 years: 87-142 % 14-15 years: 83-136% 16-17 years: 77-134% 18 years and older: 82-133%									

**Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
4303850	Amylase Isoenzymes	AMYL ISO	Group	1798-8	4303650	Amylase Total	Amylase Total	See below	Numeric XXXXX
CPT: 82150x2 <b>New Reference Range</b> Price: \$247.15  Serum separator tube or plasma separator tube Allow specimen to clot completely at room temperature. Separate serum from cells ASAP or within 2 hours of collection. Transfer 1 mL serum or plasma to a Standard Transport Tube. (Min: 0.5 mL) Temperature: Refrigerated Unacceptable Conditions: Body Fluids, Hemolyzed specimens. Stability : Ambient: 1 week; Refrigerated: 1 month; Frozen: 1 month Set up Sun-Sat / TAT 24hr from set up				3-90 days: 0- 30 U/L 3-6 months: 7-40 U/L 7-8 months: 7-57 U/L 9-11 months: 11-70 U/L 12-17 months: 11-79 U/L 18-35 months: 19-92 U/L 3-4 years: 26-106 U/L 5-12 years: 30-119 U/L 13 years and older: 30-110 U/L					
				1809-3	4303700	Salivary Amy	Salivary Amylase	See below	Numeric XXXX
				<b>18 months and older: 9-86 U/L</b>					
				1805-1	4303750	Pancreatic Amy	Pancreatic Amylase	See below	Numeric XXXXX
				6-35 months: 2-28 U/L 3-6 years: 8-34 U/L 7-17 years: 9-39 U/L 18 years and older: 12-52 U/L					

**Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
5008157	Beta 2 Glycoprotein I Antibody (IGA)	BETA 2 IGA	Detail	21108-6	5008157	Beta 2 IgA	Beta 2 Glycoprotein I Antibody IgA	0-20 SAU	Numeric XXX
CPT: 86146 <b>Change in CPT code from 86148 to 86146</b> Price: \$56.20  Serum separator tube. Separate serum from cells ASAP or within 2 hours of collection. Transfer 0.5 mL serum to a Standard Transport Tube. (Min: 0.3 mL) Temperature: Refrigerated Unacceptable Conditions: Plasma or other body fluids. Contaminated, hemolyzed, grossly icteric, or severely lipemic specimens. Stability After separation from cells: Ambient: 48 hours; Refrigerated: 2 weeks; Frozen: 1 year (avoid repeated freeze/thaw cycles) Set up Sun-Sat / TAT 1-2 Days from set up									

**Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
3603670	Vitamin B12 Binding Capacity	BNDP B12	Detail	2171-7	3603670	BNDP Vit B12	Unsaturated Vit B12 Binding Cap	800-2600 pg/mL	Numeric XXXXX
CPT: 82608 <b>New Reference Range</b> Price: \$114.30  Serum separator tube Transfer 1 mL serum to a Standard Transport Tube. (Min: 0.1 mL) Temperature: Refrigerated. Unacceptable Conditions: Plasma. Stability After separation from cells: Ambient: 6 hours; Refrigerated: 1 week; Frozen: 1 month Set up Mon, Thu / TAT 1-5 Days from set up				Patient should fast for 12-15 hours prior to collection. Vitamin B12 supplements should not be administered within 72 hours of drawing blood for this test.					

Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -										
Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type	
5572555	Collagen Type 1 C-Telopeptide	C TELOPEP	Detail	41171-0	5572555	C Telopep	Collagen Type 1 C-Telopeptide	See below	Numeric XXXXX	
CPT: 82523	<b>New Collection information and New Reference Range</b>							Age	Female	Male
Price: \$198.35	Serum separator tube, pink (K2EDTA), or green (lithium heparin). Allow serum separator tube to sit for 15-20 minutes at Room Temperature Centrifuge and separate serum or plasma from cells ASAP or within 2 hours of collection. Transfer 1 mL serum or plasma to a Standard Transport Tube. (Min: 0.5 mL) Temperature: Frozen. Unacceptable Conditions: Hemolyzed specimens. Stability: After separation from cells: Ambient: 4 hours; Refrigerated: 8 hours; Frozen: 3 months Set up Tue, Thu, Sat / TAT 1-4 days from set up			For patients receiving therapy with high biotin doses (e.g. greater than 5 mg/day), specimen should not be drawn until at least 8 hours after the last biotin administration.				6 months-6 years	500-1800 pg/mL	500-1700 pg/mL
								7-9 years	566-1690 pg/mL	522-1682 pg/mL
								10-12 years	503-2077 pg/mL	553-2071 pg/mL
								13-15 years	160-1590 pg/mL	485-2468 pg/mL
								16-17 years	167-933 pg/mL	276-1546 pg/mL
								18-29 years	64-640 pg/mL	87-1200 pg/mL
								30-39 years	60-650 pg/mL	70-780 pg/mL
								40-49 years	40-465 pg/mL	60-700 pg/mL
								50-69 years		40-840 pg/mL
								70 years or greater		52-847 pg/mL
								Postmenopausal	104-1008 pg/mL	

Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -									
Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
5590350	C3a Complement Protein	C3A	Detail	4488-3	5590350	C3a Complement	C3a Complement	0-780 ng/mL	Numeric XXXXX
CPT: 86160	<b>New CPT Code and Reference Range</b>								
Price: \$169.30	CPT from 83520 to 86160 Plasma from Lavender (EDTA) Separate from cells within 1 hour of draw. Transfer 1 mL (Min: 0.5 mL) plasma to a Standard Transport Tube. Freeze at -70 or on dry ice immediately. CRITICAL FROZEN. Separate specimens must be submitted when multiple tests are ordered. Stability: Ambient: Unacceptable; Refrigerated: Unacceptable; Frozen at -20°C: Unacceptable; Frozen at -70°C: 1 year Set up Varies / TAT 14-21 Days from set up								

Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -									
Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
5000370	C5 Complement	C5	Detail	4505-4	5000370	C5 Complement	C5 Complement	7-20 mg/dL	Numeric XXXXX
CPT: 86160	<b>New Collection information and New Reference Range</b>								
Price: \$127.15	Serum separator tube. Allow specimen to clot for one hour at room temperature. Separate serum from cells ASAP or within 2 hours of collection. Transfer 1 mL (Min: 0.3 mL) serum to a Standard Transport Tube and freeze immediately. CRITICAL FROZEN. Separate specimens must be submitted when multiple tests are ordered. Unacceptable Conditions: Non-frozen specimens. Specimens exposed to repeated freeze/thaw cycles. Specimens left to clot at refrigerated temperature. Stability: After separation from cells: Ambient: 2 hours; Refrigerated: Unacceptable; Frozen: 2 weeks Set up Tue, Fri / TAT 3-8 Days from set up								

<b>Modify Test Effective : 08/21/2017</b> - Please update your EMR catalog with those appropriate to your practice -									
Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
5000575	C7 Complement	C7	Detail	4508-8	5000575	C7	C7 Complement	4-11 mg/dL	Numeric XXXXX
CPT: 86160 <b>New Collection information and New Reference Range</b> Price: \$147.10 Serum from Plain red No-Gel Clot tube. Also acceptable: Plasma from Lavender (EDTA) tube Transfer 1 mL (Min: 0.1 mL) serum or plasma to a Standard Transport Tube. Temperature: Refrigerated. Also acceptable: Frozen Unacceptable Conditions: Grossly hemolyzed or severely lipemic specimens. Room temperature specimens. Stability: Ambient: 48 hours; Refrigerated: 2 weeks; Frozen: 1 month Set up Varies / TAT 4-11 Days from set up									
<b>Modify Test Effective : 08/21/2017</b> - Please update your EMR catalog with those appropriate to your practice -									
Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
4001540	Clonazepam Level	CLONAZEPA	Detail	3494-2	4001540	Clonazepam Lvl	Clonazepam Level	20-70 ng/mL	Numeric XXXXX
CPT: 80346 <b>New Collection information and New Reference Range</b> (Alt: G0480) Plasma from EDTA Lavender top tube. Dose-Related Range: 20-70 ng/mL - Dose (Adult) 1-8 mg/d Price: \$129.50 Also acceptable: Serum from Plain Red Top No-Gel Clot, Timing of specimen collection: Pre-dose (trough) draw - At steady state concentration Plasma from Green (Sodium Heparin) or Gray (Potassium Oxalate/Sodium Fluoride). Toxic: Greater than 80 ng/mL Temperature: Refrigerated. Unacceptable Conditions: Gel separator tubes. Plasma or whole blood collected in light blue (sodium citrate). Hemolyzed specimens. Stability: After separation from cells: Ambient: 1 week; Refrigerated: 2 weeks; Frozen: 3 years (Avoid repeated freeze/thaw cycles). Set Up Tue, Fri / TAT 1-5 Days from set up									
<b>Modify Test Effective : 08/21/2017</b> - Please update your EMR catalog with those appropriate to your practice -									
Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
3606450	Coumadin (Warfarin) Level	COUMADIN	Detail	4098-0	3606450	Coumadin Lvl	Coumadin Level	Not Detected	Numeric XXXXX
CPT: 80375 <b>New CPT Code and Reference Range</b> Alt: G0480 <b>CPT from 80299 to 80375 (Alt code: G0480)</b> Price: \$ 2mL ( 0.7mL) Serum Clot Activator (Red Top, No-Gel) or Plasma EDTA (Lavender Top) Unacceptable Conditions: Separator tubes Temperature: Refrigerated Stability: Ambient: 2 weeks; Refrigerated: 2 weeks; Frozen: 3 months Set up Varies / TAT 3-10 Days from set up Usual therapeutic range: 2 - 8 mcg/mL									
<b>Modify Test Effective : 08/21/2017</b> - Please update your EMR catalog with those appropriate to your practice -									
Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
3500720	Beta 2 Microglobulin CSF	CSF BETA2	Detail	1951-3	3500720	Beta2 Micro CSF	Beta 2 Microglobulin CSF	0.0-2.4 mg/L	Numeric XXXXX.X
CPT: 82232 <b>New Reference Range</b> Price: \$121.30 Transfer 0.5 mL (Min: 0.4 mL) CSF to a Standard Transport Tube. Temperature: Refrigerated. Stability: After separation from cellular material: Ambient: 8 hours; Refrigerated: 1 week; Frozen: 2 weeks Set up Sun-Sat / TAT 24hrs from set up									



Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -								Updated Information																																																																					
Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type																																																																				
4301650	Cyanide Level	CYANIDE	Detail	5634-1	4301650	Cyanide Lvl	Cyanide Level	See Below	Numeric XXX																																																																				
CPT: 82600 <b>New Reference Range</b> Price: \$126.00 <b>Whole Blood</b> - from Green (sodium or lithium heparin). Also acceptable: Lavender (EDTA) Do not freeze. Transport 4 mL (Min: 3 mL) whole blood in original collection container. Also acceptable: Transfer specimen to a Standard Transport Tube Unacceptable Conditions: Serum or plasma. Frozen or refrigerated specimens. Clotted or hemolyzed specimens. Timing of specimen collection: Dependent on time of exposure - test upon presentation to hospital. Stability: Ambient: 72 hours (if tightly capped); Refrigerated: Unacceptable; Frozen: Unacceptable Set up Wed, Fri, Sun / TAT 1-5 Days from set up								Non-smokers Less than 20 µg/dL Smokers Less than 40 µg/dL Toxic Level Greater than 100 µg/dL																																																																					
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3601100	11-Deoxycortisol	DEOXYCO11	Detail	1657-6	3601100	11Deoxycortisol	11-Deoxycortisol	See Below	Numeric XXXXX.XX																																																																				
CPT: 86234 <b>New Reference Range and collection information</b> Price: \$239.55 Serum from Red No-Gel or Serum separator tube. Also acceptable: Plasma from ETA Lavender, Green (sodium heparin), or Green (lithium heparin). Transfer 1 mL (Min: 0.3 mL) serum or plasma to a Standard Transport Tube. Temperature: Refrigerated. Unacceptable Conditions: Grossly hemolyzed specimens. Stability After separation from cells: Ambient: Unacceptable; Refrigerated: 1 week; Frozen: 6 months Set Up Mon, Wed, Fri / TAT 2-5 days from set up								<table border="0"> <tr> <td></td> <td style="text-align: center;">Age</td> <td style="text-align: center;">Female</td> <td style="text-align: center;">Male</td> </tr> <tr> <td></td> <td>Premature (26-28 weeks)</td> <td>110-1376 ng/dL</td> <td>110-1376 ng/dL</td> </tr> <tr> <td></td> <td>Premature (29-36 weeks)</td> <td>70-455 ng/dL</td> <td>70-455 ng/dL</td> </tr> <tr> <td></td> <td>Full Term (1-5 months)</td> <td>10-200 ng/dL</td> <td>10-200 ng/dL</td> </tr> <tr> <td></td> <td>6-11 months</td> <td>10-276 ng/dL</td> <td>10-276 ng/dL</td> </tr> <tr> <td></td> <td>1-3 years</td> <td>7-247 ng/dL</td> <td>7-202 ng/dL</td> </tr> <tr> <td></td> <td>4-6 years</td> <td>8-291 ng/dL</td> <td>8-235 ng/dL</td> </tr> <tr> <td></td> <td>7-9 years</td> <td>&lt;/= 94 ng/dL</td> <td>&lt;/= 120 ng/dL</td> </tr> <tr> <td></td> <td>10-12 years</td> <td>&lt;/= 123 ng/dL</td> <td>&lt;/= 92 ng/dL</td> </tr> <tr> <td></td> <td>13-15 years</td> <td>&lt;/= 107 ng/dL</td> <td>&lt;/= 95 ng/dL</td> </tr> <tr> <td></td> <td>16-17 years</td> <td>&lt;/= 47 ng/dL</td> <td>&lt;/= 106 ng/dL</td> </tr> <tr> <td></td> <td>18 years and older</td> <td>&lt; 33 ng/dL</td> <td>&lt; 50 ng/dL</td> </tr> <tr> <td></td> <td>Tanner Stage I</td> <td>&lt;/= 94 ng/dL</td> <td>&lt;/= 105 ng/dL</td> </tr> <tr> <td></td> <td>Tanner Stage II</td> <td>&lt;/= 136 ng/dL</td> <td>&lt;/= 108 ng/dL</td> </tr> <tr> <td></td> <td>Tanner Stage III</td> <td>&lt;/= 99 ng/dL</td> <td>&lt;/= 111 ng/dL</td> </tr> <tr> <td></td> <td>Tanner Stage IV &amp; V</td> <td>&lt;/= 50 ng/dL</td> <td>&lt;/= 83 ng/dL</td> </tr> <tr> <td></td> <td>After metyrapone stimulation</td> <td>&gt; 8000 ng/dL</td> <td>&gt; 8000 ng/dL</td> </tr> </table>			Age	Female	Male		Premature (26-28 weeks)	110-1376 ng/dL	110-1376 ng/dL		Premature (29-36 weeks)	70-455 ng/dL	70-455 ng/dL		Full Term (1-5 months)	10-200 ng/dL	10-200 ng/dL		6-11 months	10-276 ng/dL	10-276 ng/dL		1-3 years	7-247 ng/dL	7-202 ng/dL		4-6 years	8-291 ng/dL	8-235 ng/dL		7-9 years	</= 94 ng/dL	</= 120 ng/dL		10-12 years	</= 123 ng/dL	</= 92 ng/dL		13-15 years	</= 107 ng/dL	</= 95 ng/dL		16-17 years	</= 47 ng/dL	</= 106 ng/dL		18 years and older	< 33 ng/dL	< 50 ng/dL		Tanner Stage I	</= 94 ng/dL	</= 105 ng/dL		Tanner Stage II	</= 136 ng/dL	</= 108 ng/dL		Tanner Stage III	</= 99 ng/dL	</= 111 ng/dL		Tanner Stage IV & V	</= 50 ng/dL	</= 83 ng/dL		After metyrapone stimulation	> 8000 ng/dL	> 8000 ng/dL
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Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type																																																																				
4001800	Digitoxin Level	DIGITOXIN	Detail	3559-2	4001800	Digitoxin Lvl	Digitoxin Level	See Below	Numeric XX.X																																																																				
CPT: 80299 <b>New Reference Range and alternate specimen types</b> Price: \$112.00 Serum from Plain Red No-Gel Clot tube. Also acceptable: Plasma from EDTA Lavender Separate serum or plasma from cells within 2 hours of collection. Transfer 1 mL (Min: 0.5 mL) serum or plasma to a Standard Transport Tube. Temperature: Refrigerated. Unacceptable Conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). Stability: After separation from cells: Ambient: 5 days; Refrigerated: 5 days; Frozen: 2 months Set up Mon, Wed, Fri / TAT 1-4 days from set up								Therapeutic Range: 10.0-30.0 ng/mL Toxic: Greater than 45.0 ng/mL																																																																					

Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -									
Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
4006450	Doxepin Panel	DOXEPIN	Group						
CPT: 80335 (Alt: G0480)	<b>New Reference Range and alternate specimen types</b> Serum from Plain Red No-Gel Clot tube.			3579-0	4006350	Doxepin Lvl	Doxepin Level	By Report	Numeric XXXXX
				3862-0	4006400	Nordoxepin Lvl	Nordoxepin Level	By Report	Numeric XXXXX
				3582-4	4006425	Doxep+Nordoxep	Doxepin + Nordoxepin Total	By Report	Numeric XXXXX
Price: \$131.90	Also acceptable: Plasma from EDTA Lavender Separate serum or plasma from cells within 2 hours of collection. Transfer 1 mL (Min: 0.5 mL) serum or plasma to a Standard Transport Tube. Temperature: Refrigerated. Unacceptable Conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution). Stability After separation from cells: Ambient: 5 days; Refrigerated: 2 weeks; Frozen: 6 months Set up Mon, Wed, Fri / TAT 1-5 days from set up							Therapeutic Range Total (doxepin and nordoxepin): 100-300 ng/mL Toxic Level Greater than 500 ng/mL	

Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -									
Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
3606050	Nonesterified Fatty Acids (Free Fatty Acids)	FATTY TRAN	Detail						
CPT: 82725	<b>New Reference Range</b>			15066-4	3606050	Fatty Acid Free	Fatty Acids Free	By Report	Numeric XXX.XX
Price: \$107.40	Overnight fasting specimen is preferred. Serum Separator Tube (SST). Collect on ice. Allow serum specimen to clot completely on ice. Serum must be separated from cells and frozen immediately, otherwise lipase continues to break down triglycerides, giving rise to elevated levels of nonesterified (free) fatty acids. Transfer 1 mL (Min: 0.2 mL) serum to a Standard Transport Tube. CRITICAL FROZEN. Separate specimens must be submitted when multiple tests are ordered. Unacceptable Conditions: Specimens collected in EDTA, heparin, sodium fluoride/potassium oxalate, sodium citrate, or ammonium oxalate. Non-frozen specimens. Stability After separation from cells: Ambient: Unacceptable; Refrigerated: 4 hours; Frozen: 1 month Set up Mon, Wed, Fri / TAT 1-4 days from set up							0-5 months: <= 0.73 mmol/L 6 months-1 year: <= 0.99 mmol/L 2-17 years: <= 1.78 mmol/L 18 years or older: <= 0.78 mmol/L	

Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -									
Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
3657650	Felbamate Level	FELBAMATE	Detail						
CPT: 80339 (Alt: G0480)	<b>New Reference Range</b> <b>Change of CPT Code from 80299 to 80339 (Alt code: G0480)</b>			6899-9	3657650	Felbamate Lvl	Felbamate Level	By Report	Numeric XXX
Price: \$122.85	Timing of specimen collection: Pre-dose (trough) draw - At steady state concentration. Serum from Plain Red No-Gel Clot tube Also acceptable: Lavender (EDTA), Green (sodium heparin), Gray (sodium fluoride/potassium oxalate). Avoid use of separator tubes and gels. Transfer 1 mL (Min: 0.5 mL) serum or plasma to a Standard Transport Tube. Temperature: Refrigerated. Stability After separation from cells: Ambient: 48 hours; Refrigerated: 1 month; Frozen: 6 months Set up Mon-Fri / TAT 1-4 days from set up							Range Not well established. Toxic Level Greater than 200 µg/mL The proposed therapeutic range for seizure control is 30-60 µg/mL. Pharmacokinetics vary widely, particularly with co-medications, age and/or compromised renal function. Felbamate use is associated with an increased incidence of liver failure and aplastic anemia.	

**Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
3608039	Thyroglobulin Level FNA	FNA THYROG	Detail	53922-1	3608039	Thyroglob FNA	Thyroglobulin FNA	By Report	Numeric XXXXX.X

CPT: 84432 **New Reference Range**  
 Price: \$143.00  
 Collect: Fine needle aspiration in saline.  
 Centrifuge to remove cellular material. Specimen must be non-viscous and free of particulate matter.  
 Transport 0.5 mL saline needle rinse. (Min: 0.5 mL) Also acceptable: Heparinized specimens.  
 Storage/Transport Temperature: Frozen.  
 Unacceptable Conditions: Specimen types other than those listed. Specimens containing EDTA. Viscous specimens  
 Remarks: Indicate source on test request form.  
 Stability: Ambient: 8 hours; Refrigerated: 1 week; Frozen: 6 months  
 Set up Sun-Sat / TAT 24hrs from set up

**Normal values are less than 10 ng/mL**

**Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
3652650	Haloperidol Level	HALDOL	Detail	3669-9	3652650	Haloperidol Lvl	Haloperidol Level	By Report	Numeric XXXX.X

CPT: 80173 **New Reference Range and alternate specimen**  
 Price: \$134.15  
 Timing of specimen collection: Pre-dose (trough) draw - At steady state concentration.  
 Serum collected in Red No-Gel Clot Tube or Plasma from EDTA Lavernder  
 Separate serum or plasma from cells within 2 hours of collection. Transfer 1 mL (Min: 0.5 mL) serum or plasma to a Standard Transport Tube.  
 Temperature: Refrigerated.  
 Unacceptable Conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution).  
 Stability After separation from cells: Ambient: 4 hours; Refrigerated: 1 week; Frozen: 1 month (avoid repeated freeze/thaw cycles)  
 Setup Mon, Wed, Fri / TAT 1-5 days from setup

**Therapeutic Range: 5.0-20.0 ng/mL**  
**Toxic: Greater than 42 ng/mL**

**Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
3611225	Immunoglobulin IgD	IGD	Detail	2460-4	3611225	IgD	Immunoglobulin IgD	</= 15.3 mg/dL	Numeric XXXX.X

CPT: 82784 **New Reference Range**  
 Price: \$179.90  
 Serum separator tube.  
 Separate serum from cells ASAP or within 2 hours of collection. Transfer 1 mL (Min: 0.5 mL) serum to a Standard Transport Tube.  
 Temperature: Refrigerated.  
 Unacceptable Conditions: Contaminated, hemolyzed, or severely lipemic specimens.  
 Stability After separation from cells: Ambient: 8 hours; Refrigerated: 48 hours; Frozen: 1 month  
 Set Up Mon, Wed, Fri / TAT 1-4 days from set up

Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -									
Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
4302400	Imipramine Level	IMIPRAMIN	Group						
CPT: 80335	<b>New Reference Range</b>			3531-1	4182385	Desipramine Level	Desipramine Level	By Report	Numeric XXXXX
Price: \$131.90	Serum collected in Red No-Gel Clot Tube or Plasma from EDTA Lavernder			3690-5	4302300	Imipramine Lvl	Imipramine Level	By Report	Numeric XXXXX
	Timing of specimen collection: Pre-dose (trough) draw - At steady state concentration.			9627-1	4182389	Imipramine+Desiprami	Imipramine+Desipramine Total	By Report	Numeric XXXXX
	Separate serum or plasma from cells within 2 hours of collection.							Therapeutic Range Total (imipramine and desipramine): 150-300 ng/mL	
	Transfer 1 mL (Min: 0.5 mL) serum or plasma to a Standard Transport Tube.							Toxic Level Greater than 500 ng/mL	
	Temperature: Refrigerated.								
	Unacceptable Conditions: Whole blood. Gel separator tubes, light blue (citrate), or yellow (SPS or ACD solution).								
	Stability: After separation from cells: Ambient: 5 days; Refrigerated: 2 weeks; Frozen: 6 months								
	Set up Mon, Wed, Fri / TAT 1-5 days from set up								

Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -								Updated Information	
Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
5614499	Interleukin-6	INTERLEU-6	Detail						
CPT: 83520	<b>New Reference Range and collection information</b>			26881-3	6904969	Interleu-6	Interleukin-6	5 pg/mL or less	Numeric XXXXX
Price: 234.40	Change Primary specimen from Plasma from EDTA Lavender tube to Serum from Serum separator tube, or Plasma from Green (lithium heparin).							Originally Published with Order code 0111325 it has been changed to 5614499 and with result code of 111325 has been changed to 6904969	
	Separate serum or plasma from cells ASAP or within 2 hours of collection.								
	Transfer 1 mL (Min: 0.3 mL) serum or plasma to a Standard Transport Tube.								
	CRITICAL FROZEN. Separate specimens must be submitted when multiple tests are ordered.								
	Unacceptable Conditions: Refrigerated specimens. Contaminated or heat-inactivated specimens.								
	Stability: After separation from cells: Ambient: 30 minutes; Refrigerated: Unacceptable; Frozen: 1 year								
	Set up Mon, Wed, Fri / TAT 1-4 days from set up								

Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -									
Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
5518675	Leptin	LEPTIN	Detail						
CPT: 82397	<b>New Reference Range</b>			21365-2	5518675	Leptin	Leptin	By Report	Numeric XXXX.X
Price: \$140.60	Patient should fast overnight prior to collection.							Age	Reference Interval
	Serum from serum separator tube.							0-17 years	Not Established
	Transfer 0.5 mL (Min: 0.2 mL) serum to a Standard Transport Tube.							Adult Male	0.5-12.5 ng/mL
	Temperature: Frozen.							Adult Female	0.5-15.2 ng/mL
	Unacceptable Conditions: Non-fasting specimens. Icteric or severely hemolyzed specimens.								
	Stability: After separation from cells: Ambient: 24 hours; Refrigerated: 48 hours; Frozen: 2 months								
	Set up Mon, Thu / TAT 1-5 days from set up								

**Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
3603900	Lidocaine Level	LIDOCAINE	Detail	3714-3	3603900	Lidocaine Lvl	Lidocaine Level	1.2-5.0 µg/mL	Numeric XXXX.X

**CPT: 80176** *New Reference Range*  
**Price: \$105.75** Draw specimens 12 hours after initiating therapy for arrhythmia prophylaxis, then every 24 hours thereafter.  
 Separate serum from cells immediately. Transfer 1 mL (Min: 0.5 mL) serum to an ARUP Standard Transport Tube.  
 Temperature: Refrigerated.  
 Unacceptable Conditions: Separator tubes.  
 Stability After separation from cells: Ambient: 1 week; Refrigerated: 1 week; Frozen: 1 month  
 Set up Sun-Sat / TAT 24hrs from set up

**Toxic: greater than 9.0 µg/ml**

**Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
5584500	Aspergillus Antibody IgG	ASPER IGG	Detail	26954-8	5507325	Asp Ab IgG	Aspergillus Fumigatus Antibody IgG	No changes	No changes

*Change in Specimen Stability for Room Temperature from 1 month to 1 week.*  
**Specimen Stability: Room Temperature 1 week, Refrigerated 4 weeks, frozen >4 weeks.**  
 No other changes are necessary to this test.

**Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
3800325	Aldosterone	ALDOS SER	Detail	1763-2	3800325	Aldosterone	Aldosterone	No changes	No changes
				Prompt	n/a	Posture	Posture (Upright or Supine)	No changes	No changes

*Change in Specimen collection*  
**Collect midmorning after patient has been sitting, standing or walking for at least 2 hours and seated for 5-15 minutes.**  
**Separate from cells ASAP or within 2 hours of collection.**  
 Transfer 1 mL (Min: 0.5 mL) serum to an ARUP Standard Transport Tube and Freeze.  
 Storage/Transport Temperature: Frozen.  
 Stability (collection to initiation of testing): After separation from cells: Ambient: 8 hours; Refrigerated: 5 days; Frozen: 1 month  
 No other changes are necessary to this test.

**Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
5565160	Neutrophil Associated Antibodies	NEUTRO AB	Detail	41617-2	5565160	Anti Neu	Neutrophil Associated Antibodies	No changes	No changes

*Change in Specimen collection*  
 3 mL (0.5) Serum No Additive Clot (Red Top, No-Gel, Plastic)  
 or Clot Activator SST (Red/Gray or Tiger Top)  
 Remove serum from cells ASAP or within 2 hours of collection. Transfer 3 mL (Min: 0.5 mL) serum to an ARUP Standard Transport Tube and freeze.  
**CRITICAL FROZEN. Separate specimens must be submitted when multiple tests are ordered.**  
 Stability After separation from cells: Ambient: Unacceptable; Refrigerated: Unacceptable; Frozen: 1 month  
 No other changes are necessary to this test.

**Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
3802425	Renin Activity	RENIN ACT	Detail	2915-7	3802425	Renin Activity	Renin Activity	No changes	No changes
<p><b>Change in Specimen collection</b>                      Collect midmorning after patient has been sitting, standing, or walking for at least 2 hours and seated for 5-15 minutes.                      Collect Plasma from Lavender (EDTA) From either a supine or upright patient. Do not collect in refrigerated tubes.                      Separate from cells ASAP or within 2 hours of collection. Transfer 2 mL (Min: 1.2 mL) plasma to an ARUP Standard Transport Tube and freeze immediately.                      CRITICAL FROZEN. Separate specimens must be submitted when multiple tests are ordered.                      Unacceptable Conditions: Serum. Specimens collected in citrate, heparin, or oxalate. Hemolyzed specimens.                      Stability: Ambient: 6 hours; Refrigerated: Unacceptable; Frozen: 1 month                      No other changes are necessary to this test.</p>									

**Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
3900799	Babesia Species by PCR	Babesia PCR	Group	42641-1	3622108	Babesia sp PCR	Babesia sp PCR	No changes	No changes
<p><b>CPT: 87798 Change in CPT code from 87798x2 to 87798.</b>                      Price: \$362.00 No other changes are necessary to this test.</p>				47396-7	3622109	Babesia microti PCR	Babesia microti PCR	No changes	No changes

**Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
6006455	Dengue Virus (1-4) Subtype by PCR	Dengue Sub	Group	60262-3	6006459	Dengue Type 1	Dengue Type 1	No changes	No changes
<p><b>CPT: 87798 Change in CPT Code from 87798x4 to 87798</b>                      Price: \$322.00 No other changes are necessary to this test.</p>				60420-7	6006461	Dengue Type 2	Dengue Type 2	No changes	No changes
				60419-9	6006463	Dengue Type 3	Dengue Type 3	No changes	No changes
				60418-1	6006465	Dengue Type 4	Dengue Type 4	No changes	No changes
				Prompt	n/a	Dengue Source	Dengue Source	No changes	No changes

**Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
6905271	Duchenne/Becker Muscular dystrophy	DMD Sequencing	Detail	50626-1	6905215	DMD Seq Interp	DMD Sequencing Interpretation	No changes	No changes
<p><b>CPT: 81479 Change in CPT Code from 81408 to 81479</b>                      Price: \$2,000 No other changes are necessary to this test.</p>				Prompt	6905213	DMD Seq Spec	DMD Sequencing Specimen	No changes	No changes

**Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
6900797	Ehrlichia and Anaplasma Species PCR	Ehr/Anapl PCR	Group	30039-2	3622104	Anaplasma phag PCR	Anaplasma phag PCR	No changes	No changes
<p><b>CPT: 87798 CPT Code change from 87798x4 to 87798.</b>                      Price: \$185.00 No other changes are necessary to this test.</p>				27994-3	3622105	Ehrlichia chaf PCR	Ehrlichia chaf PCR	No changes	No changes
				48865-0	3622106	Ehrlichia ewingii/ca	Ehrlichia ewingii/canis PCR	No changes	No changes
				48866-8	3622107	Ehrlichia Muris PCR	Ehrlichia Muris PCR	No changes	No changes

**Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
3488404	Malaria Detection and Speciation by PCR	Malr Speciation	Group	41447-4	3661800	P.falcp(Malr Species	Malaria Speciation PCR, P. falciparum	No changes	No changes
<b>CPT: 87798</b> CPT Code will change from 87798x5 to 87798 Price: \$420.00 No other changes are necessary to this test.				47085-6	3488412	P.knowlesi(Malr Spec	Malaria Speciation PCR, P. knowlesi	No changes	No changes
				41450-8	3488414	P.vivax(Malr Species	Malaria Speciation PCR, P. vivax	No changes	No changes
				41448-2	3488416	P.malariae(Malr Spec	Malaria Speciation PCR, P. malariae	No changes	No changes
				41449-0	3488418	P.ovale(Malr Species	Malaria Speciation PCR, P. ovale	No changes	No changes

**Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type
3622103	Tick Panel PCR, whole blood	TICK PCR	Group	30039-2	3622104	Anaplasma phag PCR	Anaplasma phag PCR	No changes	No changes
<b>CPT: 87798x2</b> CPT Code will change from 87798x6 to 87798x2 Price: \$460.00 No other changes are necessary to this test.				27994-3	3622105	Ehrlichia chaf PCR	Ehrlichia chaf PCR	No changes	No changes
				48865-0	3622106	Ehrlichia ewingii/ca	Ehrlichia ewingii/canis PCR	No changes	No changes
				48866-8	3622107	Ehrlichia Muris PCR	Ehrlichia Muris PCR	No changes	No changes
				42641-1	3622108	Babesia sp PCR	Babesia sp PCR	No changes	No changes
				47396-7	3622109	Babesia microti PCR	Babesia microti PCR	No changes	No changes

**Modify Test Effective : 08/21/2017 - Please update your EMR catalog with those appropriate to your practice -**

Test Code	Test Name	Mnemonic	Category/Type	LOINC	Result Code	Mnemonic	Result Name	Reference Range UOM	Result Type	
5520002	LipoProfile by NMR	NMR LIPO	Group	54434-6	5520004	LDL PN	LDL Particle Number by NMR	<=1135 nmol/L	Numeric XXXXX	
<b>CPT: 83704</b> Change in Result Codes and Reference Ranges <b>80061</b> Change in Collection information Price: \$110.00 CPT Code and pricing will not change Patient Preparation: 12 hour fasting is preferred, but not required. Collect Serum from a Red No-Gel Clot Tube or Greiner Bio-One Clot Activator Tube Gently invert tube to mix contents; allow to clot at room temperature. Separate from cells within 8 hours Transfer 4 mL (Min: 2 mL) serum to a Standard Transport Tube. Storage/Transport Temperature: Refrigerated. Unacceptable Conditions: Plasma or Serum separator tubes other than Greiner Bio-One. Stability: Ambient: 24 hours; Refrigerated: 1 week; Frozen: Unacceptable				13457-7	5520006	LDL Chol (NMR)	LDL Cholesterol (NMR)	<=129 mg/dL	Numeric XXXXX	
				2085-9	5520008	HDL Chol (NMR)	HDL Cholesterol (NMR)	40-59 mg/dL	Numeric XXXXX	
				2571-8	5520010	Triglyc(NMR)	Triglycerides (NMR)	30-149 mg/dL	Numeric XXXXX	
				2093-3	5520012	Total Chol-ref	Total Cholesterol (NMR)	<=199 mg/dL	Numeric XXXXX	
				49748-7	5520014	Total HDLP	HDL Particle Number	>=33.0 umol/L	Numeric XXXX.X	
				43727-7	5520032	Small LDL-P	Small LDL-P	<=634 nmol/L	Numeric XXXXX	
				17782-4	5520030	LDL PS	LDL Particle Size	>=20.7 nm	Numeric XXXX.X	
				43728-5	5520020	VLDL PN	Large VLDL Particle Number	<=2.7 nmol/L	Numeric XXXX.X	
				43729-3	5520022	Large HDL PN	Large HDL Particle Number	>=4.2 umol/L	Numeric XXXX.X	
				62254-8	5520024	VLDL Size	VLDL Size	<=46.7 nm	Numeric XXXX.X	
				62253-0	5520026	HDL Size	HDL Size	>=8.9 nm	Numeric XXXX.X	
					<b>New Result</b>	<b>5520027</b>	<b>EER LipoFit NMR</b>	<b>EER LipoFit by NMR</b>	By report	Alpha
					<b>Remove Result</b>	<del>5520016</del>	<del>Small LDL PN</del>	<del>Small LDL Particle Number</del>	No longer reported	
					<b>Remove Result</b>	<del>5520018</del>	<del>LDL Size</del>	<del>LDL Size</del>	No longer reported	
					<b>Remove Result</b>	<del>5520028</del>	<del>LPiR Score</del>	<del>LP-Insulin-Resistance-Score</del>	No longer reported	

**INACTIVATED TESTS - Please update your EMR catalog with those appropriate to your practice**
**INACTIVE Effective : 09/05/2017**

Inactive	Inactive	Inactive	Replacement Information		
Test Code	Test Name	Mnemonic	Test Code	Mnemonic	Test Name
3608030	Thyroglobulin	THYROGL	3612483	Thyroglob Pnl	Thyroglobulin Panel
This test will no longer be available by itself it will only be available in the new panel listed to the right.			Look for the build information for this test in the Green New Test section of this LiveWire		



**INACTIVE Effective : 09/05/2017**

Inactive	Inactive	Inactive	Replacement Information		
Test Code	Test Name	Mnemonic	Test Code	Mnemonic	Test Name
4302100	Methanol Level	METHANL	4302200	VOLATILES	Volatile Screen

*This test will no longer be available by itself  
it will only be available in the new panel listed to the right.*

*Look for the build information for this test in the Green New Test section of this LiveWire*

**INACTIVE Effective : 09/05/2017**

Inactive	Inactive	Inactive	Replacement Information		
Test Code	Test Name	Mnemonic	Test Code	Mnemonic	Test Name
4304000	Acetone Quantitative	ACETON QNT	4302200	VOLATILES	Volatile Screen

*This test will no longer be available by itself  
it will only be available in the new panel listed to the right.*

*Look for the build information for this test in the Green New Test section of this LiveWire*

**INACTIVE Effective : 08/21/2017**

Inactive	Inactive	Inactive	Replacement Information		
Test Code	Test Name	Mnemonic	Test Code	Mnemonic	Test Name
6900505	Homocysteine Quantitative, Urine	Homo QT, U	n/a	n/a	n/a

*This test(s) will no longer be available it is being discontinued with no direct replacement at this time*

**INACTIVE Effective : 08/21/2017**

Inactive	Inactive	Inactive	Replacement Information		
Test Code	Test Name	Mnemonic	Test Code	Mnemonic	Test Name
6900777	Leucine Aminopeptidase	Leucine Amino	2007150	5'NUCLEOT	5'Nucleotidase
			2002100	GGT	Gamma Glutamyl Transferase (GGT)

*This test(s) will no longer be available it is being discontinued with no direct replacement at this time  
See Alternate testing suggested to the right.*

*If you do not have this test built, the build information available upon request.*

**INACTIVE Effective : 08/21/2017**
**Updated Information**

Inactive	Inactive	Inactive	Replacement Information		
Test Code	Test Name	Mnemonic	Test Code	Mnemonic	Test Name
0111325	Interleukin-6	Interleukin-6	5614499	Interleukin 6	Interleukin-6

*This test code will be discontinued and replace by the code to the Right*

*If you do not have this test built, the build information is available in the Yellow Modify Section of this LiveWire*

**INACTIVE Effective : 08/21/2017**

Inactive	Inactive	Inactive	Replacement Information		
Test Code	Test Name	Mnemonic	Test Code	Mnemonic	Test Name
6905191	Xylose Absorption Test (Adult - 25 g dose)	XYLOSE Abs	n/a	n/a	n/a
6905193	Xylose Absorption Test (Adult - 5g dose)	XYLOSE Abs (5g)			
6905195	Xylose Absorption Test (Child)	XYLOSE Abs (Child)			

*This test(s) will no longer be available it is being discontinued with no direct replacement at this time*