

Update Summary		
New Test Activation	9/19/2023	BBRUV - "Borrelia burgdorferi VlsE1/pepC10 Abs (ELISA) w Reflex to IgG/IgM by Immunoblot"
New Test Activation	10/10/2023	BMDRP - "Borrelia miyamotoi DNA, Real-Time PCR Misc"
New Test Activation	10/10/2023	COPFR - "Copper, Free, Serum or Plasma"
New Test Activation	10/10/2023	GD65C - "Glutamic Acid Decarboxylase (GAD65) Ab, CSF "
New Test Activation	9/23/2023	TAMOX - "Tamoxifen and Metabolites, Serum/Plasma"
Update Existing Test	9/19/2023	1433P - "14-3-3 eta Protein"
Update Existing Test	9/19/2023	A1AGQ - "Alpha-1-Antitrypsin Genotype"
Update Existing Test	9/25/2023	ANDRS - "Androstenedione"
Update Existing Test	9/19/2023	FATYA - "Fatty Acid Profile, Comprehensive (C8-C26), Plasma"
Update Existing Test	9/12/2023	HELPHY - "Helicobacter Pylori AG, EIA, Stool"
Update Existing Test	9/25/2023	LDHIS - "Lactate Dehydrogenase (LD) Isoenzymes"
Update Existing Test	9/19/2023	NASHF - "NASH FibroSure"
Update Existing Test	9/19/2023	TPMTE - "TPMT Enzyme Activity"
Update Existing Test	9/19/2023	TPMTG - "TPMT Genotype"
Update Existing Test	9/19/2023	TPMTM - "Thiopurine Metabolites"
Inactivate Test With Replacement	9/12/2023	PNE23 - "S. pneumoniae IgG Ab, 23 Serotypes" replaced by PN23M - "Strep pneumoniae IgG Abs, 23 Serotypes, Ser"
Inactivate Test With Replacement	9/19/2023	UHSIQ - "Histamine - Urine" replaced by HI24U - "Histamine, 24-Hour Urine"
Inactivate Test With Replacement	9/26/2023	UTPME - "Tapentadol and Metabolite, Urine, Quantitative" replaced by TAPUQ - "Tapentadol, Urine, Quantitative"
Inactivate Test Without Replacement	9/19/2023	MI2A - "Mi-2 Autoantibodies"
Inactivate Test Without Replacement	9/19/2023	NSGON - "Neisseria gonorrhoeae RNA, TMA, Rectal"

New Test Activation			
Effective Date	9/19/2023		
Name	Borrelia burgdorferi VlsE1/pepC10 Abs (ELISA) w Reflex to IgG/IgM by Immunoblot		
Code	BBRUV		
CPT Code(s)	86618 if reflexed add 86617 x 2 at additional cost		
Notes	New Test Activation		
Specimen Requirements			
Specimen Required	<i>Collect:</i> Serum separator tube (SST) <i>Specimen Preparation:</i> Centrifuge, separate serum from cells. Send 2.0 mL in a screw capped plastic vial. <i>Minimum Volume:</i> 0.2 mL <i>Transport Temperature:</i> Refrigerated		
Alternate Specimen	Serum: Red top		
Rejection Criteria	Plasma, cerebrospinal fluid (CSF), contaminated, heat-inactivated, hemolyzed, icteric, or lipemic specimens		
Stability	Room temperature: 48 hours Refrigerated: 10 days Frozen: 1 month		
Performing Information			
Methodology	Semi-quantitative Enzyme-Linked Immunosorbent Assay/Qualitative Immunoblot		
Reference Range	0.90 IV or less: Negative VlsE1 and pepC10 antibodies to B. burgdorferi not detected. 0.91 - 1.09 IV: Equivocal - Repeat testing in 10 - 14 days may be helpful. 1.10 IV or greater: Positive - VlsE1 and pepC10 antibodies to B. Burgdorferi detected.		
Performed Days	Monday - Friday		
Turnaround Time	3 - 6 days		
Performing Laboratory	ARUP Reference Laboratory		
Interface Information			
Legacy Code¹	BBRUV		
Interface Order Code	3600296		
Result Code	Name	LOINC Code	AOE/Prompt ²
3600297	B. burgdorfi Vis/pepC10 Ab, ELISA	100711-1	No
3600298	B. burgdorfi Ab IgM Immunoblot	6321-4	No
3600299	B. burgdorfi IgG Immunoblot	6320-6	No

New Test Activation			
Effective Date	10/10/2023		
Name	Borrelia miyamotoi DNA, Real-Time PCR Misc		
Code	BMDRP		
CPT Code(s)	87478		
Notes	New Test Activation		
Specimen Requirements			
Specimen Required	<i>Collect:</i> Cerebrospinal fluid (CSF) <i>Specimen Preparation:</i> Send 1.0 mL CSF collected in a sterile leak-proof container. <i>Minimum Volume:</i> 0.3 mL <i>Transport Temperature:</i> Refrigerated		
Alternate Specimen	Whole blood: Lavender EDTA, Yellow ACD, Synovial Fluid		
Rejection Criteria	Green sodium or lithium heparin		
Stability	Room temperature: 48 hours Refrigerated: 7 days Frozen: 30 days		
Performing Information			
Methodology	Real-Time Polymerase Chain Reaction (PCR)		
Reference Range	Not detected		
Performed Days	Monday - Saturday		
Turnaround Time	3 - 5 days		
Performing Laboratory	Quest SJC		
Interface Information			
Legacy Code¹	BMDRP		
Interface Order Code	93795		
Result Code	Name	LOINC Code	AOE/Prompt ²
3400688	Source	31208-2	Yes
3400689	B. miyamotoi DNA, PCR, Misc	82781-6	No

New Test Activation			
Effective Date	10/10/2023		
Name	Copper, Free, Serum or Plasma		
Code	COPFR		
CPT Code(s)	82525		
Notes	New Test Activation		
Specimen Requirements			
Specimen Required	<i>Collect:</i> Dark blue trace element no additive <i>Specimen Preparation:</i> Centrifuge, separate serum or plasma from cells within 2 hours of collection and send 3.0 mL serum or plasma in a blue-capped ARUP metal free, screw capped plastic vial. <i>Minimum Volume:</i> 1.2 mL <i>Transport Temperature:</i> Refrigerated		
Alternate Specimen	Dark blue (K2EDTA), Dark blue (Na2EDTA)		
Rejection Criteria	Serum separator tube (SST)		
Stability	Room temperature: 1 month Refrigerated: 1 month Frozen: 1 month		
Performing Information			
Methodology	Quantitative Inductively Coupled Plasma - Mass Spectrometry		
Reference Range	See report		
Performed Days	Varies		
Turnaround Time	7 - 11 days		
Performing Laboratory	ARUP Reference Laboratory		
Interface Information			
Legacy Code¹	COPFR		
Interface Order Code	3600047		
Result Code	Name	LOINC Code	AOE/Prompt²
3600047	Copper, Free, Serum or Plasma	5631-7	No

New Test Activation			
Effective Date	10/10/2023		
Name	Glutamic Acid Decarboxylase (GAD65) Ab, CSF		
Code	GD65C		
CPT Code(s)	86341		
Notes	New Test Activation		
Specimen Requirements			
Specimen Required	<i>Collect:</i> Cerebrospinal fluid (CSF) <i>Specimen Preparation:</i> Send 1.5 mL CSF collected in a sterile leak-proof container. <i>Minimum Volume:</i> 1.0 mL <i>Transport Temperature:</i> Refrigerated		
Alternate Specimen			
Rejection Criteria			
Stability	Room temperature: 72 hours Refrigerated: 28 days Frozen: 28 days		
Performing Information			
Methodology	Radioimmunoassay		
Reference Range	< or = to 0.02 nmol/L		
Performed Days	Monday - Sunday		
Turnaround Time	3 - 6 days		
Performing Laboratory	Mayo Clinic Laboratories		
Interface Information			
Legacy Code¹	GD65C		
Interface Order Code	3800279		
Result Code	Name	LOINC Code	AOE/Prompt ²
3800279	Glutamic Acid Decarboxylase (GAD65) Ab, CSF	94359-7	No

New Test Activation			
Effective Date	9/23/2023		
Name	Tamoxifen and Metabolites, Serum/Plasma		
Code	TAMOX		
CPT Code(s)	80299		
Notes	New Test Activation		
Specimen Requirements			
Specimen Required	<i>Collect:</i> Red top <i>Specimen Preparation:</i> Centrifuge, separate serum from cells within 1 hour of collection and send 1.0 mL serum in a screw capped plastic vial. <i>Minimum Volume:</i> 0.4 mL <i>Transport Temperature:</i> Refrigerated		
Alternate Specimen	Plasma: Lavender EDTA, K2EDTA (brown top).		
Rejection Criteria	Serum separator tube (SST), Polymer gel separation tube		
Stability	Room temperature: 48 hours Refrigerated: 30 days Frozen: 30 days		
Performing Information			
Methodology	High Performance Liquid Chromatography/Tandem Mass Spectrometry		
Reference Range	See report		
Performed Days	Varies		
Turnaround Time	7 - 9 days		
Performing Laboratory	Quest SJC		
Interface Information			
Legacy Code¹	TAMOX		
Interface Order Code	3400774		
Result Code	Name	LOINC Code	AOE/Prompt ²
3400776	Tamoxifen	13909-7	No
3400777	N-desmethyldamoxifen	Not Available	No
3400778	Endoxifen	59349-1	No
3400779	4-Hydroxy-Tamoxifen	59350-9	No

Update Existing Test	
Effective Date	9/19/2023
Name	14-3-3 eta Protein
Code	1433P
Interface Order Code	3427700
Legacy Code	1433P
Notes	Changes to stability
Required Testing Changes	
Stability	Room temperature: 7 days Refrigerated: 7 days Frozen: 1 year

Update Existing Test	
Effective Date	9/19/2023
Name	Alpha-1-Antitrypsin Genotype
Code	A1AGQ
Interface Order Code	3426040
Legacy Code	A1AGENQ
Notes	Changes to alternate specimen and stability
Required Testing Changes	
Alternate Specimen	Whole blood: Yellow ACD A, yellow ACD B, green sodium heparin, green lithium heparin, dark blue EDTA
Stability	Room temperature: 8 days Refrigerated: 8 days Frozen: Unacceptable

Update Existing Test	
Effective Date	9/25/2023
Name	Androstenedione
Code	ANDRS
Interface Order Code	3700110
Legacy Code	ANDROST
Notes	Update to transport temperature and stability.
Required Testing Changes	
Specimen Required	<i>Patient Preparation:</i> An early morning specimen is preferred. <i>Collect:</i> Red top <i>Specimen Preparation:</i> Centrifuge, separate serum from cells and send 1.0 mL serum in a screw capped plastic vial. <i>Minimum Volume:</i> 0.25 mL <i>Transport Temperature:</i> Refrigerated
Stability	Room temperature: 72 hours Refrigerated: 28 days Frozen: 2 years

Update Existing Test	
Effective Date	9/19/2023
Name	Fatty Acid Profile, Comprehensive (C8-C26), Plasma
Code	FATYA
Interface Order Code	3502760
Legacy Code	FATTYA
Notes	Change to the CPT-4 code
Required Testing Changes	
CPT Code(s)	82725

Update Existing Test			
Effective Date	9/12/2023		
Name	Helicobacter Pylori AG, EIA, Stool		
Code	HELPHY		
Interface Order Code	3700454		
Legacy Code	HELPHY		
Notes	Performing Reference Lab changing from Quest Valencia to Quest San Juan Capistrano		
Required Testing Changes			
Performing Laboratory	Quest SJC		
Result Code	Name	LOINC Code	AOE/Prompt ²
3700455	Source	31208-2	Yes
3700456	Helicobacter Pylori Ag, EIA, Stool	17780-8	No

Update Existing Test				
Effective Date	9/25/2023			
Name	Lactate Dehydrogenase (LD) Isoenzymes			
Code	LDHIS			
Interface Order Code	3701810			
Legacy Code	LDHISSP			
Notes	Update to the reference range			
Required Testing Changes				
Reference Range	Result Name	Reference Range	Unit of Measure	
	LD, Total	No change	U/L	
	LD1	18 - 32	%	
	LD2	29 - 42	%	
	LD3	14 - 30	%	
	LD4	6 - 13	%	
	LD5	5 - 18	%	

Update Existing Test	
Effective Date	9/19/2023
Name	NASH FibroSure
Code	NASHF
Interface Order Code	3515970
Legacy Code	NASHF
Notes	Change to specimen preparation. Remove Patient height and weight requirements.
Required Testing Changes	
Specimen Required	<p><i>Patient Preparation:</i> Patient should fast 8 hours previous to collection.</p> <p><i>Collect:</i> Serum separator tube (SST)</p> <p><i>Specimen Preparation:</i> Centrifuge, separate serum from cells within two hours of collection and send 3.5 mL serum in a screw capped plastic vial.</p> <p><i>Minimum Volume:</i> 2.0 mL</p> <p><i>Transport Temperature:</i> Frozen</p>

Update Existing Test

Effective Date	9/19/2023
Name	TPMT Enzyme Activity
Code	TPMTE
Interface Order Code	3512760
Legacy Code	TPMTE
Notes	Changes to specimen preparation, minimum volume, stability, rejection criteria

Required Testing Changes

Specimen Required	<i>Collect:</i> Lavender EDTA Specimen Preparation: Send 6.0 mL whole blood in original tube. Minimum Volume: 5.0 mL <i>Transport Temperature:</i> Refrigerated
Rejection Criteria	Hemolyzed samples, low red blood cell count (RBC)
Stability	Room temperature: 24 hours Refrigerated: 8 days Frozen: Unacceptable

Update Existing Test

Effective Date	9/19/2023
Name	TPMT Genotype
Code	TPMTG
Interface Order Code	3515200
Legacy Code	TPMTG
Notes	Changes to stability and rejection criteria

Required Testing Changes

Rejection Criteria	Hemolyzed samples, low red blood cell count (RBC)
Stability	Room temperature: 10 days Refrigerated: 30 days Frozen: Unacceptable

Update Existing Test

Effective Date	9/19/2023
Name	Thiopurine Metabolites
Code	TPMTM
Interface Order Code	3400000
Legacy Code	TPMTM
Notes	Changes to stability

Required Testing Changes

Stability	Room temperature: 24 hours Refrigerated: 7 days Frozen: Unacceptable
------------------	---

Inactivate Test With Replacement			
Effective Date	9/12/2023		
Inactivated Test			
Name	S. pneumoniae IgG Ab,23 Serotypes		
Code	PNE23		
Legacy Code¹	PNEU23M		
Interface Order Code	3803100		
Replacement Test			
Name	Strep pneumoniae IgG Abs, 23 Serotypes, Ser		
Code	PN23M		
CPT Code(s)	86317 x 23		
Notes	Inactivate PNE23 , replace with PN23M		
Specimen Requirements			
Specimen Required	<i>Collect:</i> Serum separator tube (SST) <i>Specimen Preparation:</i> Centrifuge, separate and send 0.5 mL serum in a screw capped plastic vial. <i>Minimum Volume:</i> 0.4 mL <i>Transport Temperature:</i> Refrigerated		
Alternate Specimen	Serum: Red top		
Rejection Criteria	Gross hemolysis, gross lipemia, gross icterus		
Stability	Room temperature: 4 hours Refrigerated: 21 days Frozen: 21 days		
Performing Information			
Methodology	Bead-Based Multiplex Immunoassay		
Reference Range	See report		
Performed Days	Monday - Friday		
Turnaround Time	6 - 8 days		
Performing Laboratory	Mayo Clinic Laboratories		
Interface Information			
Legacy Code¹	PN23M		
Interface Order Code	3800302		
Result Code	Name	LOINC Code	AOE/Prompt ²
3800303	Serotype 1	85954-6	No
3800304	Serotype 2	86039-5	No
3800306	Serotype 3	86080-9	No
3800307	Serotype 4	86107-0	No
3800308	Serotype 5	86130-2	No
3800309	Serotype 8	86147-6	No
3800311	Serotype 9N	86169-0	No
3800312	Serotype 12F	85977-7	No
3800313	Serotype 14	85991-8	No
3800314	Serotype 17F	86009-8	No
3800316	Serotype 19F	86024-7	No

3800317	Serotype 20	86045-2	No
3800318	Serotype 22F	86052-8	No
3800319	Serotype 23F	86064-3	No
3800321	Serotype 6B	27118-9	No
3800322	Serotype 10A	86098-1	No
3800323	Serotype 11A	86122-9	No
3800324	Serotype 7F	25296-5	No
3800326	Serotype 15B	40973-0	No
3800327	Serotype 18C	27395-3	No
3800328	Serotype 19A	40974-8	No
3800329	Serotype 9V	30153-1	No
3800331	Serotype 33F	40969-8	No
3800332	Interpretation	69048-7	No

Inactivate Test With Replacement			
Effective Date	9/19/2023		
Inactivated Test			
Name	Histamine - Urine		
Code	UHSQ		
Legacy Code¹	UHISTAQ		
Interface Order Code	3423800		
Replacement Test			
Name	Histamine, 24-Hour Urine		
Code	HI24U		
CPT Code(s)	83088		
Notes	Inactivate test with Replacement		
Specimen Requirements			
Specimen Required	<p><i>Patient Preparation:</i> Patient should refrain from taking allergy causing drugs, antihistamine, oral corticosteroids and substances which block H2 receptors for at least 24 hours prior to specimen collection. Avoid direct sunlight.</p> <p><i>Specimen Preparation:</i> Collect 24 hour urine, keep sample refrigerated during collection. Acidify urine with 10.0 mL 6NHCl. Mix well and send 4.0 mL acidified urine in a screw capped container.</p> <p><i>Collect:</i> 24 hour urine (refrigerate during collection)</p> <p><i>Minimum Volume:</i> 2.0 mL</p> <p><i>Transport Temperature:</i> Refrigerated</p>		
Alternate Specimen	24 hour urine with no preservative		
Rejection Criteria	Random urine		
Stability	Room temperature: 48 hours Refrigerated: 14 days Frozen: 14 days		
Performing Information			
Methodology	Immunoassay		
Reference Range	Histamine, 24 hour urine: 0.006 - 0.131 mg/24h Creatinine: See report		
Performed Days	Tuesday, Friday		
Turnaround Time	3 - 7 days		
Performing Laboratory	Quest SJC		
Interface Information			
Legacy Code¹	HI24U		
Interface Order Code	3400771		
Result Code	Name	LOINC Code	AOE/Prompt ²
3400772	Total Volume	3167-4	Yes
3400773	Histamine, 24hr Urine	9410-2	No

Inactivate Test With Replacement			
Effective Date	9/26/2023		
Inactivated Test			
Name	Tapentadol and Metabolite, Urine, Quantitative		
Code	UTPME		
Legacy Code¹	UTPME		
Interface Order Code	3622300		
Notes	Inactivating with replacement. Test no longer contains metabolites		
Replacement Test			
Name	Tapentadol, Urine, Quantitative		
Code	TAPUQ		
CPT Code(s)	80372 (G0480)		
Notes	Replacing UTPME		
Specimen Requirements			
Specimen Required	<i>Collect:</i> Random urine <i>Specimen Preparation:</i> Send 2.0 mL urine in a screw capped plastic vial. <i>Minimum Volume:</i> 1.0 mL <i>Transport Temperature:</i> Refrigerated		
Alternate Specimen			
Rejection Criteria	Specimens exposed to repeated freeze/thaw cycles. Urine collected with preservative.		
Stability	Room temperature: 7 days Refrigerated: 1 month Frozen: 3 years		
Performing Information			
Methodology	Quantitative Liquid Chromatography - Tandem Mass Spectrometry		
Reference Range	50 ng/mL		
Performed Days	Monday		
Turnaround Time	3 - 10 days		
Performing Laboratory	ARUP Reference Laboratory		
Interface Information			
Legacy Code¹	TAPUQ		
Interface Order Code	3600278		
Result Code	Name	LOINC Code	AOE/Prompt²
3600278	Tapentadol, Urine, Quantitative	65807-0	No

Inactivate Test Without Replacement	
Effective Date	9/19/2023
Name	Mi-2 Autoantibodies
Code	MI2A
Legacy Code	MI2AAB
Interface Code	3718620
Notes	Inactivate test with no replacement

Inactivate Test Without Replacement	
Effective Date	9/19/2023
Name	Neisseria gonorrhoeae RNA, TMA, Rectal
Code	NSGON
Legacy Code	NSGON
Interface Code	3400417
Notes	Suggested replacement Neisseria Gonorrhoeae Testing by PCR. Test code: GCPCR