

NOVEMBER 2020

Update Notes

We now have a limited supply of Aptima[®] Combo II Urine transport media. If you need media for urine collections for CHGTM, CHRNA, GCRNA, or TRIVA please contact WML Client Services to place an order. Please remember supplies are limited and we will fill your order based on testing volumes.

Update Summary		
New Test Activation	10/27/2020	5INHE - "Factor V Inhib Profile, P"
New Test Activation	10/27/2020	9INHE - "Factor IX Inhib Profile, P"
New Test Activation	11/16/2020	ADDPF - "Adenosine Deaminase, Pericardial Fluid"
New Test Activation	11/16/2020	COCSF - "Coccidioides Ab by CF & ID, CSF"
New Test Activation	10/27/2020	HPDNA - "HPV DNA, High Risk, Cervical with Reflex to Genotypes 16,18"
New Test Activation	10/20/2020	HPVMR - "HPV mRNA E6/E7 with Reflex to HPV Genotypes 16, 18/45"
Update Existing Test	11/16/2020	ADACS - "Adenosine Deaminase, CSF"
Update Existing Test	11/16/2020	ADAPF - "Adenosine Deaminase, Pleural Fluid"
Update Existing Test	11/16/2020	ADAPR - "Adenosine Deaminase, Peritoneal Fluid"
Update Existing Test	11/16/2020	APHF - "pH, Fecal"
Update Existing Test	11/23/2020	ARIX - "Arixtra (Fondaparinux) Level"
Update Existing Test	11/23/2020	BCRPQ - "BCR-ABL1 Gn Rearrange Qnt PCR"
Update Existing Test	11/16/2020	CHLPR - " Chlorpromazine, Serum or Plasma"
Update Existing Test	10/13/2020	COVG - "SARS Coronavirus 2 IgG Antibody"
Update Existing Test	10/13/2020	COVW - "SARS-CoV-2 Qualitative"
Update Existing Test	11/16/2020	CYAN - " CYANIDE, WHOLE BLOOD"
Update Existing Test	10/13/2020	FUKAU - " Ustekinumab Quantitation with Antibodies, Serum"
Update Existing Test	11/23/2020	HEPXA - "Heparin Anti-Xa"
Update Existing Test	11/23/2020	IGVHM - "IgVH Mutation, Cell-Based (CLL)"
Update Existing Test	10/27/2020	IL6 - "Interleukin 6"
Update Existing Test	10/13/2020	LYME - "Borrelia burgdorferi Total IgG/IgM Antibody"
Update Existing Test	11/16/2020	PPR - " Erythrocyte Porphyrin (EP), Whole Blood"
Update Existing Test	11/2/2020	PROPQ - "Propafenone, Serum/Plasma"
Update Existing Test	11/16/2020	THIOC - "Thiocyanate, Serum or Plasma"
Update Existing Test	11/16/2020	UHEMS - "Hemosiderin, Urine"
Update Existing Test	11/16/2020	UMEQG - "Methaqualone by GC/MS Urine"
Update Existing Test	11/2/2020	WAR - "Warfarin, Serum/Plasma"
Inactivate Test With Replacement	11/16/2020	BUPSP - "Bupropion, Serum or Plasma" replaced by BSEPL -
		"Bupropion and metabolite, S/P"

Warde Medical Laboratory

TEST DIRECTORY UPDATE

Inactivate Test With Replacement	11/16/2020	COCID - "Coccidioides Ab (ID)" replaced by COSER - "Coccidioides Ab by CF & ID, Serum"
Inactivate Test With Replacement	10/8/2020	MSI - "Microsatellite Instability (MSI), Tissue" replaced by TMSI - "Microsatellite Instability, Tumor"
Inactivate Test With Replacement	10/27/2020	NMDGR - "N-methyl-D-Aspartate Receptor Ab IgG Serum w Reflex toTiter" replaced by NMETD - "N-methyl-D-Aspartate Rcptr Ab, IgG, Ser"



New Test Activation								
Effective Date	10	/27/2020						
Name	Factor V Inhib Profile, P							
Code		5INHE						
CPT Code(s)	85220, 85390. Plus 85335 and/or 85390 as ap	ppropriate, at add	litional fees					
Notes	Patient Notes: Patient must not be receiving C fasting is preferred.	atient Notes: Patient must not be receiving Coumadin (warfarin) or heparin therapy and patien asting is preferred.						
Specimen Requirements								
Specimen Required	Draw blood in a light blue 3.2% sodium citrate collection instructions. Send 3.0 mL plasma (1 capped plastic vials. Minimum volume 2.0 mL	.0 mL in each vial) frozen in 3 separate screw-					
Rejection Criteria	Serum, non-frozen or hemolyzed specimens							
Stability	Room temperature: 4 hours; Refrigerated: 4 h	ours; Frozen: 14	days					
Performing Information								
Methodology	Optica	al Clot-Based						
Reference Range	Se	e report						
Performed Days	Monday - Friday							
Turnaround Time	2 - 3 days	2 - 3 days						
Performing Laboratory	Mayo Cli	nic Laboratories						
Interface Information								
Legacy Code ¹		5INHE						
Interface Order Code	3	800209						
Result Code	Name	Name LOINC Code AOE/Prompt ²						
3800173	Result	81124-0	No					



New Test Activation						
Effective Date	10/27/2020					
Name	Factor IX Inhib Profile, P					
Code	9INHE					
CPT Code(s)	85250, 85390, plus 85335 and/or 85390 as appropriate, at additional cost					
Notes	Patient Notes: Patient must not be receiving Coumadin (warfarin) or heparin therapy and patient fasting is preferred.					
Specimen Requirements						
Specimen Required	Draw blood in a light blue 3.2% sodium citrate tube. See appendices for coagulation test collection instructions. Send 3.0 mL plasma (1.0 mL in each vial) frozen in 3 separate screw-capped plastic vials. Minimum volume 2.0 mL in 2 screw-capped plastic vials, 1.0 mL in each.					
Rejection Criteria	Serum, non-frozen or hemolyzed specimens					
Stability	Room temperature: 4 hours; Refrigerated: 4 hours; Frozen: 14 days					
Performing Information						
Methodology	Varies by test					
Reference Range	See report					
Performed Days	Monday - Friday					
Turnaround Time	2 - 3 days					
Performing Laboratory	Mayo Clinic Laboratories					
Interface Information						
Legacy Code ¹	9INHE					
Interface Order Code	3800201					
Result Code	NameLOINC CodeAOE/Prompt²					
3800174	Result Not available No					



New Test Activation									
Effective Date	11	/16/2020							
Name	Adenosine Dean	Adenosine Deaminase, Pericardial Fluid							
Code		ADDPF							
CPT Code(s)	84311	4311							
Notes									
Specimen Requirements	;								
Specimen Required	Collect pericardial fluid, centrifuge specimen, screw-capped plastic vial.	and send 0.5 mL	fluid (0.2 mL minimum) frozen in a						
Rejection Criteria	Whole blood Bronchoalveolar lavage								
Stability	Room temperature: 24 hours; Refrigerated: 1 week; Frozen: 30 days								
Performing Information	-								
Methodology	Quantitative	Spectrophotome	try						
Reference Range	0.0	- 40.0 U/L							
Performed Days	Sunday, Tuesday, Thursday								
Turnaround Time	3 - 6 days								
Performing Laboratory	ARUP Reference Laboratory								
Interface Information		- 							
Legacy Code ¹		ADDPF							
Interface Order Code	3	3600193							
Result Code	Name	LOINC Code	AOE/Prompt ²						
3600193	Adenosine Deaminase, Pericardial Fluid	49760-2	No						



EXAMPLE, REPORT WX0000003039 M 12/05/1988 31 Y

	Referral Collec	Testing cted: 10/13/2020	0 16:45	Received: 10/13/2020	16:45
Test Name	Result	Flag	Ref-Ranges	Units	<u>Site</u>
Adenosine Deaminase, Pericardial Fluid	45	AB	U/L	U/L	ARRL
INTERPRETIVE INFORMATION:AG F Test developed and characte Laboratories. See Compliand Performed by ARUP Laborato 500 Chipeta Way, SLC,UT 84 www.aruplab.com, Tracy I. (luid eristics determin ce Statement B: a ries, 108 800-522-2787	ned by ARUP aruplab.com/			
	-			Perform	ning Site:

ARRL: ARUP REFERENCE LAB 500 Chipeta Way Salt Lake City UT 841081221



New Test Activation					
Effective Date	11/16/2020				
Name	Coccidioides Ab by CF & ID, CSF				
Code		COCSF			
CPT Code(s)	86635 x 2				
Notes					
Specimen Requirements					
Specimen Required	Collect CSF and send 2.5 mL fluid (1.0 mL min	imum) refrigerate	ed in a screw-capped plastic vial.		
Rejection Criteria	Other body fluids, contaminated, hemolyzed,	xanthochromic, o	or severely lipemic specimens.		
Stability	Room temperature: 48 hours; Refrigerated: 2	weeks; Frozen: 1	. year		
Performing Information					
Methodology	Semi-Quantitative Complement	t Fixation/Qualita	tive Immunodiffusion		
Reference Range	Se	ee report			
Performed Days	Sunday - Saturday				
Turnaround Time	3 - 7 days				
Performing Laboratory	ARUP Refe	erence Laboratory	/		
Interface Information					
Legacy Code ¹		COCSF			
Interface Order Code	3	3600201			
Result Code	Name	LOINC Code	AOE/Prompt ²		
3600197	Coccidioides by Immunodiffusion, CSF	21209-2	No		
3600198	Coccidioides Ab by CF, CSF	13917-0	No		



EXAMPLE, REPORT WX0000003039 M 12/05/1988 31 Y

		Referral 1	「esting				
		Collec	ted: 10/13/2020	0 16:48 Re	eceived:	10/13/2020	16:48
<u>Test Name</u>		<u>Result</u>	Flag	Ref-Ranges	<u>Uı</u>	<u>nits</u>	<u>Site</u>
Coccidio	oides Ab by CF & ID, CSF						
	s by Immunodiffusion, CSF	Detected	AB	None Detected			ARR
	INTERPRETIVE INFORMATION: C	occidioides by I SF	mmunodiffus	ion,			
	Coccidioides infection is d IgM antibody to the Immunod antigen. IgM antibody may b the onset of primary infect recent infection. IgM antib after infection but may rea persist in disseminated cas	iffusion Tube Pr e detected 1 to ion and may sugg ody is rarely de ppear with relap	ecipitin (I 3 weeks aft est active tected 6 mo	DTP) er or			
	IgG antibody may also be de Immunodiffusion Complement represent active or past in serology does not rule out Test developed and characte	Fixation (IDCF) fection. Negativ current infectio	antigen and re fungal n.				
	Laboratories. See Complianc s Ab by CF, CSF		-	cs <1:2			ARF
	INTERPRETIVE INFORMATION: C Fixation (CF)	occidioides Ab b	y Complemen	t			
	Any titer suggests past or greater than 30 percent of pulmonary disease have nega tests. Titers of less than indicate past infection or anticoccidiodal CF antibody indicate disseminated infec follow therapy. Antibody in for coccidioidal meningitis patients with coccidioidal antibody in CSF.	cases with chron tive Complement 1:32 (even as lo self-limited dis titers in exces tion. CF serolog CSF is consider , although 10 pe	tic residual Fixation (C www.as 1:2) m ease; s of 1:16 m yy may be us red diagnost ercent of	F) ay ay ed to			
	This test was developed and determined by ARUP Laborato approved by the US Food and was performed in a CLIA cer intended for clinical purpo Performed by ARUP Laborator 500 Chipeta Way, SLC,UT 841 www.aruplab.com, Tracy I. G	ries. It has not Drug Administra tified laborator ses. ies, 08 800-522-2787	been clear tion. This ty and is	ed or			

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED

B813000001	Ordere
WX000003039	WX000
Printed D&T: 10/13/20 16:54	



LABORATORY REPORT

Example Client, XYZ123 1234 Warde Road Ann Arbor MI 48108 EXAMPLE, REPORT WX0000003039 M 12/05/1988 31 Y

Performing Site: ARRL: ARUP REFERENCE LAB 500 Chipeta Way Salt Lake City UT 841081221

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED



New Test Activation	
Effective Date	10/27/2020
Name	HPV DNA, High Risk, Cervical with Reflex to Genotypes 16,18
Code	HPDNA
CPT Code(s)	87624, plus 87625 if reflexed, at an additional fee
Notes	
Specimen Requirements	
Specimen Required	Send 4.0 mL PreservCyt [®] fluid collected in a Liquid Cytology PreservCyt [®] Preservative (ThinPrep [®]). Minimum volume 2.0 mL.
Alternate Specimen	2.0 mL SurePath™ fluid (1.0 mL minimum) collected in TriPath SurePath™ vials - post processing of the PAP smear.
Rejection Criteria	Cervical swabs in Digene [®] HC cervical sampler, unprocessed Cytyc [®] media without cervical brush/broom, Swabs, Digene [®] vials, SurePath [™] pellet, samples treated with acetic acid, Vaginal sources, Biopsy
Stability	 ThinPrep[®] Room temperature: 6 months; Refrigerated: 6 months; Frozen: Unacceptable SurePath™ Room temperature: 28 days; Refrigerated: 6 months; Frozen: Unacceptable
Performing Information	
Methodology	Real-Time Polymerase Chain Reaction (PCR)
Reference Range	HPV DNA, High Risk: Not detected HPV 16: Not detected HPV 18: Not detected
Performed Days	Tuesday - Saturday
Turnaround Time	6–9 days
Performing Laboratory	Quest SJC
Interface Information	
Legacy Code ¹	HPDNA
Interface Order Code	3400409
Result Code	NameLOINC CodeAOE/Prompt²
3400409	HPV DNA, High Risk, Cervical 82675-0 No



New Test Activation						
Effective Date	10)/20/2020				
Name	HPV mRNA E6/E7 with Re	flex to HPV Geno	types 16, 18/45			
Code	HPVMR					
CPT Code(s)	37624, plus 87625 if reflexed, at an additional fee					
Notes						
Specimen Requirements	;					
Specimen Required	Send 5.0 mL liquid cytology (PreservCyt [®]) pre kit (orange label) or APTIMA [®] specimen tran					
Alternate Specimen	ThinPrep [®] vial					
Rejection Criteria	Cervical swabs in Digene [®] HC Cervical Sampler, Digene [®] vials, swabs, SurePath [®] Vials, Received frozen					
Stability	Room temperature: 30 days; Refrigerated: 90	Room temperature: 30 days; Refrigerated: 90 days; Frozen: Unacceptable				
Performing Information						
Methodology	Transcription Med	iated Amplification	on (TMA)			
Reference Range	S	ee report				
Performed Days	Tuesday, Thursday, Saturday					
Turnaround Time	5 - 8 days					
Performing Laboratory	C	Quest SJC				
Interface Information						
Legacy Code ¹		HPVMR				
Interface Order Code		3400359				
Result Code	Name	LOINC Code	AOE/Prompt ²			
3400360	HPV MRNA E6/E7 Reflex to Genotypes 1, 18/45	69002-4	No			
3400361	HPV 16 RNA	77399-4	No			
3400362	HPV 18/45 RNA	75694-0	No			



EXAMPLE, REPORT WX0000003039 M 12/05/1988 31 Y

		Referral Testi	-				
		Collected: 10)/13/2020				16:55
Test Name		<u>Result</u>	<u>Flag</u>	Ref-Range	<u>s l</u>	<u>Jnits</u>	<u>Site</u>
	NA E6/E7 with Reflex to HPV E6/E7 Reflex to Genotypes 1,	Genotypes 16, 18 NOT DETECTED	8/45				QCRL
F	REFERENCE RANGE: HPV mRNA E6/E7: NOT DETEC	TED					
Μ	Methodology: Transcription-Me	diated Amplificati	on				
f	This assay detects E6/E7 viral from 14 high-risk HPV types (1 45, 51, 52, 56, 58, 59, 66, 68	6, 18, 31, 33, 35,	-				
h (For additional information, pl http://education.questdiagnost (This link is being provided f educational purposes only.)	ics.com/faq/FAQ129	vl				
a I k k	The analytical performance cha assay have been determined by Infectious Disease, Inc. The m been cleared or approved by th been validated pursuant to the is used for clinical purposes.	Quest Diagnostics odifications have e FDA. This assay	not has				
Ç	Test Performed at: Quest Diagnostics Infectious D 33608 Ortega Highway San Juan Capistrano, CA 92675		erman 1	MD			QCRL
HPV 18/45 R	RNA	.TNP					QCRL
						Perform	ning Site:

QCRL: QUEST DIAGNOSTICS REFERENCE LAB CAPISTRANO 33608 Ortega Highway San Juan Capistrano CA 92675

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED

Ordered By: CLIENT CLIENT WX0000000001595



EXAMPLE, REPORT WX0000003039 M 12/05/1988 31 Y

		Referral Te	•				
		Collecte	d: 10/13/2020	17:13	Received:	10/13/2020	17:13
Test Name		Result	<u>Flag</u>	Ref-Ranges	<u> </u>	<u>Jnits</u>	<u>Site</u>
	6/E7 with Reflex to Reflex to Genotypes 1,	HPV Genotypes 10 DETECTED	6, 18/45 _{AB}				QCRI
REFEF	RENCE RANGE: HPV mRNA E6/E7: NOT E	ETECTED					
Metho	odology: Transcriptic	n-Mediated Amplific	cation				
from	assay detects E6/E7 v 14 high-risk HPV type 1, 52, 56, 58, 59, 66	es (16, 18, 31, 33,					
http: (This	additional information //education.questdiag s link is being provid ational purposes only.	nostics.com/faq/FAQ led for informationa					
assay Infec been been	nalytical performance have been determined tious Disease, Inc. T cleared or approved b validated pursuant to sed for clinical purpo	l by Quest Diagnost: The modifications have by the FDA. This as the CLIA regulation	ics ave not say has				
Quest 33608	Performed at: Diagnostics Infectic Ortega Highway Juan Capistrano, CA 9		Batterman M AB AB	D			QCR
HPV 1	RENCE RANGE: 6 RNA: NOT DETECTED 8/45 RNA: NOT DETECTE	D					
Metho	dology: Transcription	Mediated Amplifica	ation				
assay Infec clear	analytical performance have been determined tious Disease. The mo ed or approved by the lated pursuant to the	l by Quest Diagnost: difications have no e FDA. This assay ha	ics ot been as been				

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED

B813000003	Ordered By:	CLIENT CLIENT	
WX000003039	WX0000000001595		
Printed D&T: 10/13/20 17:14			



EXAMPLE, REPORT WX0000003039 M 12/05/1988 31 Y

	Refe	rral Testing				
		Collected: 10/13/2020	17:13	Received:	10/13/2020	17:13
Test Name	<u>Result</u>	<u>Flag</u>	Ref-Ranges	<u>Ur</u>	<u>nits</u>	<u>Site</u>
	used for clinical purposes.					
	Test Performed at:					
	Quest Diagnostics Infectious Disease, 33608 Ortega Highway	Inc.				
	San Juan Capistrano, CA 92675-2042	H J Batterman M	D			
					Perform	ning Site:
	QCRL: QUEST DIA	GNOSTICS REFERENCE LAB CAP	ISTRANO 33608 O	rtega Highway Sar	i Juan Capistrano C	A 92675

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED



NOVEMBER 2020

Update Existing Test				
Effective Date	11/16/2020			
Name	Adenosine Deaminase, CSF			
Code	ADACS			
Interface Order Code	3619540			
Legacy Code	ADACSF			
Notes	Updates to volume requirements, stability and reference range.			
Required Testing Change	es			
Specimen Required	Collect CSF and send 0.5 mL fluid (0.2 mL minimum) frozen in a screw-capped plastic vial.			
Stability	Room temperature: 24 hours ; Refrigerated: 7 days; Frozen: 1 month			
Reference Range	0.0 - 9.0 U/L			

Update Existing Test	
Effective Date	11/16/2020
Name	Adenosine Deaminase, Pleural Fluid
Code	ADAPF
Interface Order Code	3619500
Legacy Code	ADAPF
Notes	Updates to volume requirements, stability and reference range.
Required Testing Change	25
Specimen Required	Collect pleural fluid and send 0.5 mL fluid (0.2 mL minimum) frozen in a screw-capped plastic vial.
Stability	Room temperature: 24 hours ; Refrigerated: 7 days; Frozen: 1 month
Reference Range	0.0 - 30.0 U/L

Update Existing Test			
Effective Date	11/16/2020		
Name	Adenosine Deaminase, Peritoneal Fluid		
Code	ADAPR		
Interface Order Code	3619520		
Legacy Code	ADAPER		
Notes	Update to volume requirements, stability and reference range.		
Required Testing Change	es		
Specimen Required	Collect peritoneal fluid and send 0.5 mL fluid (0.2 mL minimum) frozen in a screw-capped plastic vial.		
Stability	Room temperature: 24 hours ; Refrigerated: 7 days; Frozen: 1 month		
Reference Range	0.0 - 30.0 U/L		

LAST EDITED: 2020-10-13



Update Existing Test	
Effective Date	11/16/2020
Name	pH, Fecal
Code	APHF
Interface Order Code	3621040
Legacy Code	APHF
Notes	Updates to rejection criteria and stability requirements.
Required Testing Change	25
Rejection Criteria	Diapers, specimens in media or preservative, specimens containing barium, grossly bloody specimens
Stability	Room temperature: 1 hour; Refrigerated: 14 days; Frozen: 7 days

Update Existing Test					
Effective Date	11/23/2020				
Name	Arixtra (Fondaparinux) Level				
Code	ARIX				
Interface Order Code	3423100				
Legacy Code	ARIXQ				
Notes	Updates to stability requirements.				
Required Testing Change	Required Testing Changes				
Stability	Room temperature: Unacceptable; Refrigerated: Unacceptable; Frozen: 21 days				



Update Existing Test			
Effective Date	11/23/2020		
Name	BCR-ABL1 Gn Rearrange Qnt PCR		
Code	BCRPQ		
Interface Order Code	3514960		
Legacy Code	BCRPQ		
Notes	Updates to volume requirements, alternate specimen, performed and turnaround times.		
Required Testing Change	es		
Specimen Required	Draw blood in a lavender EDTA tube. Send 5.0 mL whole blood (3.0 mL minimum) refrigerated in original collection tube. <i>Due to 72 hour stability samples must arrive at Warde Medical Laboratory the day of collection or within 18 hours of collection</i> . Ship to Warde Sunday through Thursday only .		
Alternate Specimen	Bone marrow: EDTA, 3.0 mL, Sodium heparin, or ACD B Whole blood: Sodium heparin		
Performed Days	Sunday - Saturday		
Turnaround Time	5 - 7 days		
Reference Range	See report		



Update Existing Test	Update Existing Test					
Effective Date	11/16/2020					
Name	Chlorpromazine (Thorazine)					
Code		CHLPR				
Interface Order Code	3500800					
Legacy Code	CHLPR					
Notes	New website entry, including test name and component name changes.					
Required Testing Change	es					
CPT Code(s)	80342 (G0480)					
Specimen Requirements						
Name	Chlorpromazine, Serum or Plasma					
Specimen Required	Draw blood in a plain red-top tube. Centrifuge, remove serum from cells and send 2.0 mL serum (0.5 mL minimum) frozen in a screw-capped plastic vial.					
Alternate Specimen	Plasma: EDTA, sodium heparin, potassium oxalate or sodium fluoride					
Stability	Room temperature: Unacceptable; Refrigerated: 14 days; Frozen: 14 days					
Performing Information						
Methodology	Quantitative Liquid Chromatography – Tandem Mass Spectrometry					
Reference Range	Therapeutic Range: 30 – 300 ng/mL					
Reference Range	Toxic Level: ≥ 600 ng/mL					
Performed Days	Monday					
Turnaround Time	9 - 11 days					
Performing Laboratory	ARUP Reference Laboratories					
Result Code	Name LOINC Code AOE/Prompt ²					
3500800	Chlorpromazine, Serum or Plasma	3471-0	No			



Update Existing Test					
Effective Date	10/13/2020				
Name	SARS Coron	avirus 2 IgG Antibo	ody		
Code		COVG			
Interface Order Code		3000226			
Legacy Code		COVG			
Notes	Update LOINC codes.				
Required Testing Change	es				
Result Code	Name	LOINC Code	AOE/Prompt ²		
3000227	First Test? (Y/N/U)	95417-2	Yes		
3000228	Employed in healthcare? (Y/N/U)	95418-0	Yes		
3000229	Symptomatic as defined by CDC? (Y/N/U)	95419-8	Yes		
3000231	If yes, then Date of Symptom Onset yyyymmdd	11368-5	Yes		
3000233	Hospitalized? (Y/N/U)	71477-4	Yes		
3000237	ICU? (Y/N/U)	95420-6	Yes		
3000239	Resident in a congregate care setting? (Y/N/U)	95421-4	Yes		
3000241	Pregnant? (Y/N/U)	82810-3	Yes		
3000242	SARS Coronavirus 2 IgG Ab	Not available	No		
3000243	SARS Coronavirus 2 IgG Ab Interpretation	94563-4	No		



Update Existing Test					
Effective Date	10/13/2020				
Name	SARS-C	oV-2 Qualitative			
Code		COVW			
Interface Order Code		3000089			
Legacy Code		COVW			
Notes	Update volume requirements and LOINC codes.				
Required Testing Change	25				
Specimen Required	One nasopharyngeal swab sent frozen in 3.0 mL viral transport media (1.0 mL minimum).				
Result Code	Name	LOINC Code	AOE/Prompt ²		
3000091	First Test? (Y/N/U)	95417-2	Yes		
3000092	Employed in healthcare? (Y/N/U)	95418-0	Yes		
3000093	Symptomatic as defined by CDC? (Y/N/U)	95419-8	Yes		
3000094	if yes, then Date of Symptom Onset yyyymmdd	11368-5	Yes		
3000096	Hospitalized? (Y/N/U)	71477-4	Yes		
3000097	ICU? (Y/N/U)	95420-6	Yes		
3000098	Resident in a congregate care setting? (Y/N/U)	95421-4	Yes		
3000099	Pregnant? (Y/N/U)	82810-3	Yes		
3000066	SARS-CoV-2 Qual RT PCR	94500-6	No		



Update Existing Test			
Effective Date	11/16/2020		
Name	Cyanide		
Code		CYAN	
Interface Order Code	3	680540	
Legacy Code	(CYANAR	
Notes	Various updates including test name and resu	lt component ch	anges.
Required Testing Change	25		
Name	CYANIDE	WHOLE BLOOD	
Specimen Required	Draw blood in a gray top tube (sodium fluoride/Potassium Oxalate). Send 1.0 mL whole blood (0.4 mL minimum) CRITICAL FROZEN		
Alternate Specimen	No alternate specimens.		
Stability	Room temperature: Undetermined; Refrigerated: 24 hours; Frozen: 3 months		
Methodology	Quantitative High Performance Liquid Chromatography/Tandem Mass Spectrometry		
Reference Range	See report		
Performed Days	Varies		
Turnaround Time	10 - 14 days		
Result Code	Name	LOINC Code	AOE/Prompt ²
3680540	Cyanide, Whole Blood	5634-1	No



Update Existing Test				
Effective Date	10/13/2020			
Name	Ustekinumab and Anti-Ustek Antibody, Serum			
Code		FUKAU		
Interface Order Code		3800208		
Legacy Code		FUKAU		
	Various updates to specimen requirements in	cluding test nam	e change and component name	
Notes	changes.			
Required Testing Change	ac			
Name	Ustekinumab Quantit	ation with Antib	odies. Serum	
	80299 (Ustekinumab); 83520 (Anti-Ustekinum			
CPT Code(s)				
	Patient Preperation: Collect immediately befo	Patient Preperation: Collect immediately before next dose of drug administration.		
Specimen Required	Draw blood in a plain red-top tube. Centrifuge		n from cells and send 0.5 mL serum	
	(0.4 mL minimum) refrigerated in a screw-capped plastic vial.			
	Room temperature: Unacceptable; Refrigerated: 21 days; Frozen: 21 days			
Stability	······································			
Methodology	Enzyme-linked Immunosorbent Assay (ELISA)			
Performed Days	Tuesday, Friday			
Turnaround Time	3 - 6 days			
Result Code	Name	LOINC Code	AOE/Prompt ²	
3800117	Ustekinumab QN, S	87408-1	No	
3800118	Ustekinumab Ab, S	87409-9	No	

Update Existing Test	
Effective Date	11/23/2020
Name	Heparin Anti-Xa
Code	HEPXA
Interface Order Code	3424250
Legacy Code	HEPXAQ
Notes	Update to stability.
Required Testing Changes	
Stability	Room temperature: 14 days; Refrigerated: 14 days; Frozen: 21 days



Update Existing Test	
Effective Date	11/23/2020
Name	IgVH Mutation, Cell-Based (CLL)
Code	IGVHM
Interface Order Code	3400089
Legacy Code	
Notes	
Required Testing Change	25
Specimen Required	Draw blood in a lavender EDTA. Send 5.0 mL whole blood (3.0 mL minimum) refrigerated in original collection tube. Due to 72 hour stability samples must arrive at Warde Medical Laboratory the day of collection, or within 18 hours of collection. Send Sunday through Thursday only.
Alternate Specimen	Whole blood: Sodium heparin Bone Marrow 3.0 mL EDTA
Performed Days	Sunday - Saturday
Turnaround Time	8 - 10 days



Update Existing Test	
Effective Date	10/27/2020
Name	Interleukin 6
Code	IL6
Interface Order Code	3000067
Legacy Code	IL6
Notes	Updates to reference range, rejection criteria and report.
Required Testing Changes	
Rejection Criteria	Plasma, moderate hemolysis, gross lipemia
Reference Range	< 6.4



EXAMPLE, REPORT WX0000003039 M 12/05/1988 31 Y

	Immunoc	hemistry			
	Colle	ected: 10/13/2020	17:15	Received: 10/13/2020	17:15
Test Name	<u>Result</u>	Flag	Ref-Ranges	<u>Units</u>	<u>Site</u>
Interleukin 6	65.0	н	<6.4	pg/mL	WMRL

This test was performed using the Beckman Coulter Access IL-6 assay, which has been granted Emergency Use Authorization (EUA) by FDA, and is intended for use to assist in identifying severe inflammatory response in patients with confirmed COVID-19 illness to aid in determining the risk of intubation with mechanical ventilation, in conjunction with clinical findings and the results of other laboratory testing. The reference range for this assay is <6.4 pg/mL. PCR-confirmed COVID-19 patients that have Access IL-6 concentrations >35 pg/mL at presentation are at increased risk for intubation with mechanical ventilation during their hospitalization. Normal IL-6 results do not preclude development of a severe inflammatory response, and IL-6 should not be used as the sole basis for patient management decisions. Results must be combined with clinical observations, patient history, other laboratory parameters, and epidemiological information. FDA requires that fact sheets regarding this assay be provided to patients and healthcare workers.

A fact sheet for patients is available at the following URL: http://www.wardelab.com/Beckman IL6 Fact Sheet for Patients.pdf

A fact sheet for healthcare providers is available at the following URL: http://www.wardelab.com/Beckman IL6 Fact Sheet for HCP.pdf

Performing Site: WMRL: WARDE MEDICAL LABORATORY 300 West Textile Road Ann Arbor MI 48108

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED

Ordered By: CLIENT CLIENT WX0000000001595



Update Existing Test		
Effective Date	10/13/2020	
Name	Borrelia burgdorferi Total IgG/IgM Antibody	
Code	LYME	
Interface Order Code	3007580	
Legacy Code	LYME	
Notes	Updated alternative specimens.	
Required Testing Change	95	
Alternate Specimen	Plasma: EDTA, Lithium heparin	

Update Existing Test				
Effective Date	11/16/2020			
Name	Protoporphyrin-RBC			
Code		PPR		
Interface Order Code	34	423780		
Legacy Code		PPRQ		
Notes	Various updates to specimen requirements inc	Various updates to specimen requirements including test name and result component change.		
NOTES	This test will now be performed at ARUP Refer	ence Laboratory	<i>.</i>	
Required Testing Change	es			
Name	Erythrocyte Porph	yrin (EP), Whol	e Blood	
	Draw blood in a lavender EDTA tube. Send 1.0 screw-capped plastic vial.	Draw blood in a lavender EDTA tube. Send 1.0 mL whole blood (0.5 mL minimum) refrigerated in a screw-capped plastic vial.		
Specimen Required	PROTECT FROM LIGHT.			
Alternate Specimen	Whole blood: Dark blue EDTA, tan EDTA			
Rejection Criteria	Clotted samples, hemolysis, specimens not collected in EDTA			
Stability	Room temperature: Unacceptable; Refrigerated: 14 days; Frozen: 28 days			
Methodology	Fluorometry			
Reference Range	0.0 - 35.0 ug/dL			
Performed Days	Monday, Wednesday, Friday			
Performing Laboratory	ARUP Reference Laboratory			
Result Code	Name LOINC Code AOE/Prompt ²			
3423780	Erythrocyte Porphyrin (EP)	2898-5	No	



Update Existing Test	
Effective Date	11/2/2020
Name	Propafenone, Serum/Plasma
Code	PROPQ
Interface Order Code	3600079
Legacy Code	
Notes	Updates to stability.
Required Testing Changes	
Stability	Room temperature: 30 days; Refrigerated: 30 days; Frozen: 15 months

Update Existing Test	
Effective Date	11/16/2020
Name	Thiocyanate, Serum or Plasma
Code	THIOC
Interface Order Code	3600033
Legacy Code	
Notes	Updates to minimum volume, stability, reference range, performed and TAT.
Required Testing Change	es
Specimen Required	Draw blood in a plain red-top tube. Centrifuge, separate serum from cells within 2 hours, and send 1.0 mL serum (0.3 mL minimum) refrigerated in a screw-capped plastic vial.
Stability	Room temperature: 28 days; Refrigerated: 28 days; Frozen: 28 days
Reference Range	See report
Performed Days	Varies
Turnaround Time	10 - 13 days



Update Existing Test	
Effective Date	11/16/2020
Name	Hemosiderin, Urine
Code	UHEMS
Interface Order Code	3680770
Legacy Code	UHEMSIDAR
Notes	Updates to volume requirements, methodology, stability and reference range.
Required Testing Change	25
Specimen Required	Collect first morning urine. Mix well and sen d 4.0 mL unpreserved urine (1.0 mL minimum) frozen in a screw-capped plastic
Methodology	Qualitative microscopy
Reference Range	Absent

Update Existing Test	
Effective Date	11/16/2020
Name	Methaqualone by GC/MS Urine
Code	UMEQG
Interface Order Code	3423020
Legacy Code	UMETHAQ
Notes	Updates to methodology.
Required Testing Change	25
Methodology	Chromatography Mass Spectrometry

Update Existing Test	Update Existing Test								
Effective Date	11/2/2020								
Name	Warfarin, Serum/Plasma								
Code WAR									
Interface Order Code	3511200								
Legacy Code	WAR								
Notes	Updates to stability.								
Required Testing Changes									
Stability	Room temperature: 30 days; Refrigerated: 30 days; Frozen: 15 months								



Inactivate Test With Rep	lacement						
Effective Date	11,	/16/2020					
	Inactivated Test						
Name	Bupropion,	Bupropion, Serum or Plasma					
Code		BUPSP					
Legacy Code ¹		BUPSP					
Interface Order Code	3	3600034					
Notes							
	Replacement Test						
Name	Bupropion a	nd Metabolite, S	/P				
Code		BSEPL					
CPT Code(s)	80338 (G0480)						
Notes							
Specimen Requirements							
Specimen Required	Draw blood in a plain red-top tube. Contrifuge hours. Send 2.0 mL (0.5 minimum) frozen in a	•					
Alternate Specimen	Plasma: Lavender EDTA; sodum heparin, pota	Plasma: Lavender EDTA; sodum heparin, potassium oxalate or sodium fluoride.					
Rejection Criteria	SST tube, sodium citrate, ACD B, whole blood						
Stability	Room temperature: Unacceptable; Refrigerated: Unacceptable; Frozen: 14 days						
Performing Information							
Methodology	Quantitative Liquid Chromatography - Tandem Mass Spectrometry						
Reference Range	Toxic Level: ≥ 4 Hydroxybuprop Therapeutic Rar	Bupropion: Therapeutic Range: 10 - 100 ng/mL Toxic Level: ≥ 400 ng/mL Hydroxybuproprion: Therapeutic Range: 850 - 1500 ng/mL					
Performed Days	Monday	Toxic Level: ≥ 2000 ng/mL Monday					
Turnaround Time	9 - 11 days						
Performing Laboratory	ARUP Refe	rence Laboratory	/				
Interface Information							
Legacy Code ¹		BSEPL					
Interface Order Code	3	600194					
Result Code	Name	LOINC Code	AOE/Prompt ²				
3600195	Bupropion	6706-6	No				
3600196	Hydroxybupropion	9418-5	No				



EXAMPLE, REPORT WX0000003039 M 12/05/1988 31 Y

			DeferrelT					
			Referral T	esting ed: 10/13/2020) 17.16	Received:	10/13/2020	17.16
Test Name			Result	<u>Flag</u>	Ref-Ranges		Jnits	Site
<u>1631 Name</u>			<u>itesuit</u>	nay	Iteritanges	<u> </u>	<u>/////5</u>	one
Bupropio	on and me	tabolite, S/P						
Bupropion			105	AB	10-100	n	g/mL	ARRL
	INTERPRETIN	JE INFORMATION	I: Bupropion and Meta or Plasma	abolite, Se	rum			
	Therapeutic 10- 100 ng/	-						
	Toxic: Grea	ater than or e	equal to 400 ng/mL					
Bupropion is an antidepressant drug indicated for the treatment of major depressive disorder. The drug is also used as treatment for smoking cessation. The therapeutic range is based on serum pre-dose (trough) draw at steady-state concentration. Bupropion is primarily metabolized to hydroxybupropion, which has about 50% of the activity of the parent drug. The pharmacokinetics of bupropion and metabolite are influenced by drug-drug interactions that affect CYP2B6 metabolism. Patients with renal or hepatic impairment may require a dose reduction. Adverse effects may include seizures, hypertension, nausea, vomiting, neuropsychiatric and cardiac abnormalities.								
Hydroxybupi	-	ance Statement	B: www.aruplab.com/ 1655	/CS AB	850-1500	n	g/mL	ARRL
	INTERPRETIN Therapeutic 850-1500 ng	c Range: g/mL	I: Bupropion and Meta or Plasma equal to 2000 ng/mL					
				ARRL: ARUP	PREFERENCE LAB	500 Chipeta Way	Perforr Salt Lake City UT 84	<u>ning Site:</u> 1081221

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED

Ordered By: CLIENT CLIENT WX0000000001595



Inactivate Test With Rep	placement					
Effective Date	1:	1/16/2020				
	Inactivated Test					
Name	Coccidioides Ab (ID)					
Code		COCID				
Legacy Code ¹	CC	CABIDARP				
Interface Order Code		3680490				
Notes	For CSF sample type, su	suggested replacement is COCSF.				
	Replacement Test	t				
Name		Ab by CF & ID, Se	rum			
Code		COSER				
CPT Code(s)	86635 x 2					
Notes						
Specimen Requirements						
Specimen Required	Draw blood in a SST. Centrifuge, separate ser Send 2.0 mL serum (0.6 mL minimum) refrige					
Alternate Specimen						
Rejection Criteria	Other body fluids. Hemolyzed, icteric, or lipe	iolyzed, icteric, or lipemic specimens				
Stability	Room temperature; 48 hours; Refrigerated: 2	2 weeks; Frozen: 1 year				
Performing Information						
Methodology	Semi-quantitative Complemen	t Fixation/Qualita	tive Immunodiffusion			
Reference Range	Coccidioides Antibody Coccidioides immitis A	,	lone detected			
Performed Days	Sunday – Saturday					
Turnaround Time	4 - 8 days					
Performing Laboratory	ARUP Reference Laboratory					
Interface Information						
Legacy Code ¹		COSER				
Interface Order Code		3600202				
Result Code	Name	LOINC Code	AOE/Prompt ²			
3600199	Coccidioides Immitis Abs, Preciptin	5095-5	No			
3600200	Coccidioides Antibody by CF	33380-7	No			



EXAMPLE, REPORT WX0000003039 M 12/05/1988 31 Y

	Referral T	esting				
	Collecte	ed: 10/13/2020) 17:19	Received:	10/13/2020	17:19
<u>Test Name</u>	<u>Result</u>	Flag	Ref-Ranges	Ĺ	<u>Jnits</u>	<u>Site</u>
Coccidioides Ab by CF & ID,	Serum					
Coccidioides Immitis Abs, Preciptin	Detected	AB	None Detect	ed		ARR
INTERPRETIVE INFORMATI	ION: Coccidioides immit	is Antibod	ies			
-	Immunodiffusion					
the onset of primary i recent infection. IgM	may be detected 1 to 3 infection and may sugge antibody is rarely det ay reappear with relaps ed cases.	est active of the sected 6 mod	or			
Immunodiffusion Comple represent active or pa	be demonstrated in resement Fixation (IDCF) a ast infection. Negative e out current infection 1:16	ntigen and fungal				ARF
	CON: Coccidioides Ab by	Complemen	t			
greater than 30 percer pulmonary disease have tests. Titers of less indicate past infectio anticoccidiodal CF ant indicate disseminated follow therapy. Antibo for coccidioidal menir	st or current infection of cases with chroni e negative Complement F than 1:32 (even as low on or self-limited dise tibody titers in excess infection. CF serology ody in CSF is considered ngitis, although 10 per bidal meningitis will r	c residual ixation (C as 1:2) ma ase; of 1:16 ma may be used diagnost ccent of	ay ay ed to			

ARRL: ARUP REFERENCE LAB 500 Chipeta Way Salt Lake City UT 841081221

Ordered By: CLIENT CLIENT WX0000000001595



Inactivate Test With Rep	lacement					
Effective Date	10/8/2020					
	Inactivated Test					
Name	Microsat	ellite Instability (MSI),	Tissue			
Code		MSI				
Legacy Code ¹		MSI				
Interface Order Code		3807100				
Notes						
	Replacemer	nt Test				
Name	Micro	satellite Instability, Tur	nor			
Code		TMSI				
CPT Code(s)	81301, 88381 ZB1VG					
Notes	Pathology report must accompany spec	cimen in order for testi	ng to be performed.			
Specimen Requirements						
Specimen Required	Send tumor tissue block. Approximately block with corresponding hematoxylin with H and E and 5 unstained, nonbake	and reosin (H and E) sli	des (preferred) or 1 slide stained			
Alternate Specimen	Formalin-fixed, paraffin-embedded (FF	PE) prepared cell block	or unstained slides.			
Rejection Criteria	Decalcified specimens, Low tumor perc fresh tissue Cytology smears	Decalcified specimens, Low tumor percentage, insufficient amount of tumor nonformalin fixed, Tresh tissue Cytology smears				
Stability	Room temperature: preferred; Refriger	oom temperature: preferred; Refrigerated: Unacceptable; Frozen: Unacceptable				
Performing Information						
Methodology	Polym	erase Chain Reaction (F	PCR)			
Reference Range		See report.				
Performed Days	Sunday - Saturday					
Turnaround Time	3 - 4 days					
Performing Laboratory	Μ	ayo Clinic Laboratories				
Interface Information						
Legacy Code ¹		TMSI				
Interface Order Code		3800241				
Result Code	Name	LOINC Code	AOE/Prompt ²			
3800242	Result Summary	50397-9	No			
3800243	Result	43368-0	No			
3800244	Interpretation	69047-9	No			
3800245	Specimen	31208-2	No			
3800246	Source	31208-2	No			
	Tissue ID					



	3800248	Release By	18771-6	No
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Example Client, XYZ123 1234 Warde Road ANN ARBOR MI 48108

EXAMPLE, REPORT WX0000002904 F 03/11/1991 29 Y

		Referral	•				
		Colle	cted: 09/15/2020	10:30	Received:	09/15/2020	10:30
Test Name	<u>e</u>	<u>Result</u>	<u>Flag</u>	Ref-Ranges	<u> </u>	<u>Jnits</u>	<u>Site</u>
Micros	atellite Instability, Tum	or					
Result Sur	mmary	MSI-H					MAYO
Result		SEE BELOW					MAYC
	Provided diagnosis:						
	MSI: MSI-H (instabilit markers)	y observed in 7 of 7	informative				
Interpretat	tion	SEE BELOW					MAYC
	the tumor. The molecul defective DNA mismatch be associated with sev MSH6, PMS2) and differ (epigenetic, somatic, majority of sporadic c mismatch repair (appro epigenetic alterations the MLH1 promoter.	repair is very hete eral different genes ent mechanisms of ge and germline alterat olon cancers with de ximately 90%) are ca	rogeneous and (MLH1, MSH2, ne inactivati ion). The fective DNA used by somat	l can lon			
	PROGNOSTIC IMPLICATION Colon cancers with def have a significantly b with intact mismatch r 20;23(3):609-18 (PMID	ective DNA mismatch etter prognosis comp epair (MSS) (J Clin	ared to those	e			
	THERAPEUTIC IMPLICATIO Current data suggest t defective DNA mismatch respond to treatment w therapies (Science. 20 28596308); J Clin Onco 29355075)). Stage II p characterized by the p repair (MSI-H) are unl treatment with 5-FU ba 10;28(20):3219-26 (PMI	hat advanced stage s repair (MSI-H) are ith immunotherapies 17 Jul 28;357(6349): 1. 2018 Jan 20:JCO20 atients with colon c resence of defective ikely to derive bene sed therapy (J Clin	more likely t such as anti- 409-413(PMID 17769901 (PMI ancers DNA mismatch fit from	10 -PD-1 ID			
	HEREDITARY IMPLICATION These results increase HNPCC/Lynch syndrome b	the risk that this					

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED

Ordered By: CLIENT CLIENT WX00000000001456



LABORATORY REPORT

Example Client, XYZ123 1234 Warde Road ANN ARBOR MI 48108 **EXAMPLE, REPORT** WX0000002904 F 03/11/1991 29 Y

	- / ·					
	Referral	•				
	Colle	cted: 09/15/2020	10:30	Received:	09/15/2020	10:30
<u>Test Name</u>	Result phenotype can be associated with a germlin of the DNA mismatch repair genes. The use immunohistochemistry (IHC / MMR Protein, I followed by germline mutational analysis, evaluate the possibility of HNPCC/Lynch sy individual. A genetic consult may be of be	of HC Only, tumo can further ndrome in thi	or),	<u>s L</u>	<u>Inits</u>	<u>Site</u>
	ADDITIONAL INFORMATION Consideration of these results, in light o information, may aid in clinical managemen this patient.					
	Of note, the literature suggests that MSI neoadjuvant chemoradiated tumor specimens status and lead to an erroneous interpreta (Int J Radiat Oncol Biol Phys. 2007 68(5):	may influence tion of resul				
	These data should be interpreted in the co histopathologic findings. A surgical patho be ordered separately. If immunohistochemi the mismatch repair proteins was also orde specimen, the results will be reported sep test code IHC (IHC / MMR Protein, IHC Only questions regarding the interpretation of results, please contact the Genomics Labor 1-800-533-1710.	logy consult stry (IHC) fo red on this arately under , Tumor). For IHC and MSI	or c			
	ADDITIONAL INFORMATION- Microscopic examination was performed by a identify areas of normal and tumor for enr macrodissection. A PCR-based assay is used tumor microsatellite instability (TMSI) wi mononucleotide repeat markers (BAT25, BAT2 and NR21). The tumor tissue is classified (instability detected in 0 or 1 out of 5 m (instability in 2 or more of 5 markers tes sensitivity of the method being used, micr instability cannot be reliably detected in containing less than 30% tumor DNA. Sample macrodissected to enrich for tumor cells, than 30% rejected from further testing. Test results should be interpreted in the clinical findings, family history, and oth data. If results obtained do not match oth laboratory findings, please contact the laboratory	pathologist ichment by to test for th the use of 6, Mono27, NF as MSS arkers), or N ted). Due to osatellite samples s are routine with those le context of er laboratory er clinical co	to 5 324, 4SI-H the ely ess			

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED

Ordered By: CLIENT CLIENT WX00000000001456



LABORATORY REPORT

Example Client, XYZ123 1234 Warde Road ANN ARBOR MI 48108 **EXAMPLE, REPORT** WX0000002904 F 03/11/1991 29 Y

		Referral Testin	ıg				
		Collected: 09/	15/2020	10:30	Received:	09/15/2020	10:30
<u>Test Name</u>	<u>R</u> possible interpretation. Misinte occur if the information provide incomplete.	rpretation of res		Ref-Ranges	<u> </u>	<u>Jnits</u>	<u>Site</u>
Specimen	This test was developed and its determined by Mayo Clinic in a m requirements. This test has not the U.S. Food and Drug Administr T	anner consistent been cleared or a	with C	CLIA			ΜΑΥΟ
Source							MAYO
Tissue ID Release By		234 SEE BELOW					MAYO MAYO
	RESULT: Irene Vehrenkamp						
	Test Performed by: Mayo Clinic Laboratories - Roche 200 First Street SW, Rochester, Lab Director: William G. Morice	MN 55905	24D04	104292			



Inactivate Test With Rep	lacement						
Effective Date	10)/27/2020					
	Inactivated Test	Inactivated Test					
Name	N-methyl-D-Aspartate Rece	ptor Ab IgG Serur	n w Reflex toTiter				
Code		NMDGR					
Legacy Code ¹		NMDGR					
Interface Order Code		3516150					
Notes							
	Replacement Test						
Name	N-methyl-D-Asp	artate Rcptr Ab, I	gG, Ser				
Code		NMETD					
CPT Code(s)	86255, plus 86256 if reflexed to titer, at an ac	lditional fee					
CFT COde(S)							
Notes							
Specimen Requirements							
Specimen Required	•	Draw blood in a SST. Centrifuge, remove serum from cells within 2 hours of collection, send 1.0 mL serum (0.2 mL minimum) refrigerated in a screw-capped plastic vial.					
Rejection Criteria	CSF or plasma Contaminated, hemolyzed, or severely lipemi Room temperature: 48 hours; Refrigerated: 1	Contaminated, hemolyzed, or severely lipemic specimens.					
Stability			,				
Performing Information							
Methodology	Semi-quantitative In		t Antibody				
Reference Range		< 1:10					
Performed Days	Sunday - Saturday						
Turnaround Time	2 - 4 days	S					
Performing Laboratory	ARUP Refe	erence Laboratory	/				
Interface Information							
Legacy Code ¹		NMETD					
Interface Order Code		3600159					
Result Code	Name	LOINC Code	AOE/Prompt ²				
3600159	N-methyl-D-Aspartate Receptor Ab, Serum	80221-5	No				
3600168	Bill_NMDA Titer	Not available	No				



Example Client, XYZ123 1234 Warde Road ANN ARBOR MI 48108 **EXAMPLE, REPORT** WX0000003096 M 07/18/2014 6 Y

	Referral T	esting				
	Collect	ed: 09/21/2020	0 10:15	Received:	09/21/2020	10:15
Test Name	<u>Result</u>	Flag	Ref-Ranges	<u>s U</u>	<u>Jnits</u>	<u>Site</u>
N-methyl-D-Aspartate Rcptr Ab, Ig	G, Ser					
N-methyl-D-Aspartate Receptor Ab, Serum	<1:10		<1:10			ARUP
INTERPRETIVE INFORMATION: N- Serum Anti-NMDA receptor IgG antik patients with autoimmune lim with or without associated t levels may be associated wit therefore, clinical correlat considered. A negative test diagnosis of autoimmune limk Test developed and character Laboratories. See Compliance	body is found in mbic encephalitis tumor. Decreasing th therapeutic re- tion must be stro result does not pic encephalitis ristics determine	a subset o s and may o g antibody esponse; ongly rule out a ed by ARUP	f ccur			
Performed By: ARUP Laboraton 500 Chipeta Way Salt Lake City, UT 84108	ries	- ap 100 • 00m,				
Laboratory Director: Tracy 3 Bill_NMDA Titer	.TNP					ARRL
					Perform	ning Site:

ARRL: ARUP REFERENCE LAB 500 Chipeta Way Salt Lake City UT 841081221

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED



Example Client, XYZ123 1234 Warde Road ANN ARBOR MI 48108 EXAMPLE, REPORT WX0000003159 F 08/09/2006 14 Y

Referral Testing						
	Collected	1: 09/21/2020	0 10:16	Received:	09/21/2020	10:16
<u>Test Name</u>	<u>Result</u>	<u>Flag</u>	Ref-Range:	<u>s l</u>	<u>Jnits</u>	<u>Site</u>
N-methyl-D-Aspartate Rcptr Ab, IgG, Ser						
N-methyl-D-Aspartate Receptor Ab, Serum	1:40	Н	<1:10			ARUP
INTERPRETIVE INFORMATION: N-methyl-D-Aspartate Receptor Ab, Serum Anti-NMDA receptor IgG antibody is found in a subset of patients with autoimmune limbic encephalitis and may occur with or without associated tumor. Decreasing antibody levels may be associated with therapeutic response; therefore, clinical correlation must be strongly considered. A negative test result does not rule out a diagnosis of autoimmune limbic encephalitis. Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS Performed By: ARUP Laboratories 500 Chipeta Way Salt Lake City, UT 84108 Laboratory Director: Tracy I. George, MD Bill_NMDA Titer Billed Performed By: ARUP Laboratories 500 Chipeta Way						ARUP
Salt Lake City, UT 84108 Laboratory Director: Tracy I.	George, MD					

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED