

TEST DIRECTORY UPDATE OCTOBER 2020

Update Notes

Update Summary		
New Test Activation	10/27/2020	CSMUT - "CSF3 Mutation Analysis"
New Test Activation	10/27/2020	MMDSI - "Multiple Myeloma, Daratumumab-Specific, Immunofixation"
New Test Activation	10/27/2020	RBCME - "RBC Membrane Evaluation, B"
New Test Activation	10/27/2020	VONWI - "von Willebrand Disease Gene Sequencing"
Update Existing Test	10/19/2020	ALDMS - "Aldosterone, LC/MS/MS"
Update Existing Test	9/17/2020	CHGTM - "Chlamydia and Neisseria Nucleic Acid by TMA"
Update Existing Test	9/17/2020	CHRNA - "Chlamydia trachomatis Nucleic Acid by TMA"
Update Existing Test	10/19/2020	COPRU - "Copper, Random Urine"
Update Existing Test	9/17/2020	FMP3 - "MyoMarker Panel 3"
Update Existing Test	10/5/2020	FORMA - "Formic Acid, Serum/Plasma"
Update Existing Test	9/17/2020	GCRNA - "Nesseria gonorrhoeae Nucleic Acid by TMA"
Update Existing Test	9/17/2020	IGSUB - "Immunoglobulin G (IgG) Subclasses"
Update Existing Test	9/17/2020	INFX - "Infliximab Quant with Reflex to Ab to Infliximab, Serum"
Update Existing Test	10/26/2020	PMPCR - "PML-RARA t(15;17), Quantitative RT-PCR"
Update Existing Test	8/26/2020	RT3 - "T3, Reverse, LC/MS/MS"
Update Existing Test	9/17/2020	TRIVA - "Trichomonas vaginalis RNA, Qualitative"
Inactivate Test With Replacement	10/27/2020	MUSKQ - "MuSK Antibody Test" replaced by MUSKE - "Muscle-
		Specific Kinase (MuSK) Antibody, IgG"
Inactivate Test With Replacement	9/28/2020	PNTCP - "Peanut IgE Component Panel" replaced by PNTCT -
		"Peanut IgE Component Panel"



New Test Activation							
Effective Date		10/27/2020					
Name	CSF3 Mutation Analysis						
Code		CSMUT					
CPT Code(s)	31479 /B11S						
Notes							
Specimen Requiren	nents						
Specimen Required	Draw blood in lavender EDTA tube. Se temperature.	raw blood in lavender EDTA tube. Send 5.0 mL whole blood (1.0 mL minimum) at room mperature.					
Alternate Specimen	Whole blood: Sodium heparin tube Cell pellets submitted in Carnoy's or o	Bone marrow aspirate: Lavender EDTA tube or Sodium heparin Whole blood: Sodium heparin tube Cell pellets submitted in Carnoy's or other alcohol-based fixative Extracted DNA from CLIA-certified laboratory					
Stability	Room temperature: 7 days; Refrigerat	ed: 7 days; Frozen: Una	cceptable				
Performing Informa	ation						
Methodology	Polymerase Ch	nain Reaction-based DN	A Sequencing				
Reference Range		See report					
Performed Days	Sunday - Saturday						
Turnaround Time	6 - 9 days						
Performing Laboratory		Quest SJC					
Interface Informati	on						
Legacy Code ¹		CSMUT					
Interface Order Code		3400481					
Result Code	Name	LOINC Code	AOE/Prompt ²				
3400482	Clinical Indication:	55752-0	Yes				
3400483	Specimen Source:	31208-2	Yes				
3400484	Block/Specimen ID:	57723-9	Yes				
3400485	CSF3R Exon 14/17 Mutation	92674-1	No				
3400486	Gene	48018-6	No				
3400487	Amino Acid	48005-3	No				
3400488	Mutation Frequency	81258-6	No				
3400489	Mutation Type	48019-4	No				
3400491	Exon	47999-8	No				
3400492	Nucleotide Change:	48004-6	No				
3400493	Reference	81256-0	No				
3400494	Interpretation:	50398-7	No				
3400495	Assay Details	8266-9	No				



Example Client, XYZ123 1234 Warde Road Ann Arbor MI 48108

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

	R	eferral Testir	•				
		Collected: 09/	15/2020) 16:19	Received:	09/15/2020	16:19
<u>Test Name</u>	Res	sult	<u>Flag</u>	Ref-Ranges	<u> </u>	<u>Units</u>	<u>Site</u>
CSF3 Mutation Ana	lysis						
Clinical Indication:	Unl	known					QCF
Specimen Source:	Wh	ole Blood					QCF
Block/Specimen ID:		3456					QCF
CSF3R Exon 14/17 Mutation	ו NO	T DETECTED					QCF
Reference NOT DETECT	-						
	rted is for TESTING pur ent results. ELECTRONIC		does r	not reflec	t		
Gene							QCF
Amino Acid		•					QCF QCF
Mutation Frequency							QCF
Mutation Type Exon		•					QCF
Nucleotide Change:							QCF
Reference							QCF
Interpretation:	SE	E NOTE					QCF
·							
	is detected in exon 9 b to 52bp have been suc						
This data v Assay Details	as reviewed and interpr SEI	reted by Charles E NOTE	Ma, I	PhD. HCLD(ABB)		QCF
leukocytes (CALR). The may vary de 30bp and de assay. Alte be detected (SNPs) are are associa essential t Results of laboratory test is neo MPNs, deper rearrangeme JAK2 V617F	sed advanced sequencing for the presence of mut sensitivity of mutatic bending on the particul etions up to 52bp have rations outside of the Synonymous or known r not reported. Frameshif ed with myeloproliferation this assay should be con- this assay should be con- this assay should be con- the additional testing ative, additional testing ative, additional testing at (test code 91065 or (polycythemia vera (PV) (ET/PMF, 92476) or CSF	tations in exon on detection is lar mutation typ e been successfu tested areas of non-synonymous p ft mutations in ative neoplasms d primary myelof porrelated with m nosis and classi ing that may be atologic feature 12070X) or muta)/ET/PMF, 92473)	9 of approx approx be. Instally definitions of this of this of this of this of this of this of this of the this (MPNs) fibrost of this of the this of the this of the this of this of the this of the this of the this of the	calreticul simately 5 sertions u etected by gene will cphic chan region of (, particu is (PMF). Logy and o ion. If th for work cludes BCR L analysis 2 exon 12	<pre>% but ap to the not ges CALR larly ther is cup of -ABL1 cof (PV,</pre>		

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



LABORATORY REPORT

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

	Referral T	esting				
	Collecte	ed: 09/15/2020	0 16:19	Received:	09/15/2020	16:19
Test Name	Result92477). Residual material from this sample mBCR-ABL1 testing; call lab to add.	<u>Flag</u> ay be used	Ref-Range except fo		<u>Jnits</u>	<u>Site</u>
	DNA was aligned to GRCh37(hg19) for analysis ENST00000316448 was used as reference for CA		-			
	For additional information, please refer to http://education.QuestDiagnostics.com/faq/FA (This link is being provided for information only.)		onal purpo	oses		
	This test was developed and its analytical p have been determined by Quest Diagnostics Ni Capistrano. It has not been cleared or appro been validated pursuant to the CLIA regulati clinical purposes.	chols Inst ved by FDA	itute San . This as:	Juan		
	Test Performed at: Quest Diagnostics Nichols Institute 33608 Ortega Highway San Juan Capistrano, CA 92675-2042 I Ma	.ramica MD,	PhD, MBA			
					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



LABORATORY REPORT

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

		Referral Testi	•				
		Collected: 09	/15/202	0 16:45	Received	09/15/2020	16:45
<u>Test Name</u>		<u>Result</u>	<u>Flag</u>	Ref-Range	<u>5</u>	<u>Units</u>	<u>Site</u>
CSF3 Mu	tation Analysis						
Clinical Indica		Unknown					QCRL
Specimen So		Whole Blood					QCRL
Block/Specim		123456					QCRL QCRL
	14/17 Mutation	DETECTED	AB				QUIL
	Reference Range: NOT DETECTED						
Gene		SEE NOTE					QCRL
ں Amino Acid	JAK2	SEE NOTE					QCRL
Amino Aciu		SEENOTE					
V	/617F						
Mutation Free	quency	SEE NOTE					QCRL
2 Mutation Type	26.9 e	SEE NOTE					QCRL
matation Typ	-						
m	nissense						
Exon		SEE NOTE					QCRL
	Exon 14						
Nucleotide Cl		SEE NOTE					QCRL
	5						
	chr9:5073770G>T						
Reference		SEE NOTE					QCRL
C	COSM12600						
Interpretation		SEE NOTE					QCRL
-							
	The JAK2 V617F (c.1849G>T) mut				ational		
	analysis can be performed on s treatment response.	equential samples	to ass	ess ior			
	-						
	This data was reviewed and int	erpreted by Test D SEE NOTE	irecto	r ABCDE			QCRL
Assay Details			astoo	DNA from			
	This PCR-based advanced sequer Leukocytes for the presence of		-		'he		
S	sensitivity of mutation detect	ion is 5%. Alterat	ions o	utside of	the		
t	cested areas of this gene will	not be detected.	Synony	mous or kr	nown		

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

B715000007	Ordered By:	CLIENT CLIENT
WX000003039	WX00000000	01595
Printed D&T: 09/15/20 16:49		

William G. Finn, M.D. - Medical Director Form: MM RL1 PAGE 1 OF 2



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

		Referral Te	•			
		Collected	: 09/15/2020 16:45	Received:	09/15/2020	16:45
mutation includin primary neoplass shown in includin assay sl testing negative dependin rearrand CALR (E' CSF3R (d this san DNA was ENST000 This ten have been Capistra been va clinica. Test Per Quest D 33608 0	n is associated wit ng polycythemia ver myelofibrosis (PMF ms. Increasing alle n a number of studi ng pruritis, splenc hould be correlated for final diagnosi e, additional testi ng on presenting he gement (test code 9 T/PMF, 92475), JAK2 chronic neutrophili mple may be used ex aligned to GRCh37(00381652 was used an en determined by Qu ano. It has not bee		e neoplasms (MPNs) hrombocythemia (ET et of other myeloi 617F in MPNs has k with increased sy tosis. Results of d other laboratory n. If this test is ul for workup of M includes BCR-ABL1 mutational analysi), MPL (ET/PMF, 92 Residual material esting; call lab t and transcript ID 2 sequence. rformance characte hols Institute Sar ed by FDA. This as ns and is used for	2 V617F 2) and d d d d d d d d d mptoms this 3 MPNs, 5 476) or from to add. eristics a Juan asay has 5 4 4 4 4 4 4 4 4 4 4 4 4 4		<u>Site</u> ming Site: CA 92675

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

Ordered By: CLIENT CLIENT WX0000000001595



New Test Activation							
Effective Date	10	/27/2020					
Name	Multiple Myeloma, Daratu	ımumab-Specific,	Immunofixation				
Code		MMDSI					
CPT Code(s)	86334						
Notes	Patient Preparation: Overnight fasting is prefe	tient Preparation: Overnight fasting is preferred.					
Specimen Requirements							
Specimen Required	Draw blood in a plain red-top tube. Centrifuge, separate serum from cells, and send 2.0 mL serum 1.0 mL minimum) refrigerated in a screw-capped plastic vial.						
Rejection Criteria	Specimens other than serum						
Stability	Room temperature: 5 days; Refrigerated: 6 da	Room temperature: 5 days; Refrigerated: 6 days; Frozen: 6 months					
Performing Informa	ation						
Methodology	Imm	unofixation					
Reference Range	Se	ee report					
Performed Days	Sunday - Friday						
Turnaround Time	5 - 7 days						
Performing Laboratory	C	uest SJC					
Interface Informati	on						
Legacy Code ¹		MMDSI					
Interface Order Code		3400357					
Result Code	Name	LOINC Code	AOE/Prompt ²				
3400357	Multiple Myeloma, Daratumumab-Specific, Immunofixation	Not available	No				



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

	Referral Testi	ng			
	Collected: 09	/15/2020	16:50 Re	eceived: 09/15/202	0 16:50
Test Name	<u>Result</u>	Flag	Ref-Ranges	<u>Units</u>	Site
Multiple Myeloma, Daratumumab-Specific, Immunofixation	NEGATIVE				QCRL
Daratumumab, the anti-CD38 IgG in clinical use for multiple m immunoglobulin, Daratumumab ma co-migrate with M-protein. Add raised against daratumumab to alters its banding pattern (by anti-Daratumumab) as assessed distinguish between therapeuti present in patient's serum.	nyeloma (MM) treatm ay also be detected dition of anti-idio patient serum cont forming a complex by IFE (daratumuma	ent. As in IFE typic an aining o of Dara b shift)	an and may ntibodies daratumumab atumumab and) helping to	d	
Test Performed at: Quest Diagnostics Nichols Inst 33608 Ortega Highway San Juan Capistrano, CA 92675		ca MD, 1	PhD, MBA	Pe	forming Site:
QCF	RL: QUEST DIAGNOSTICS REFEREN	NCE LAB CAPI	STRANO 33608 Orteg	ga Highway San Juan Capistra	no CA 92675



New Test Activation								
Effective Date	10/27/2020							
Name	RBC Membrane Evaluation, B							
Code	RBCME							
CPT Code(s)	85557, 88184, 85060							
Notes	Draw Monday - Thursday only. Specimens must be received at Warde Medical Lab the day of collection.							
Specimen Requiren	Specimen Requirements							
Specimen Required	Testing requires a whole blood EDTA specimen from patient, a whole blood EDTA control specimen and 2 well-made peripheral blood smears (Wright stained or fixed in absolute methanol). Draw Monday - Thursday only. Specimens must be received at Warde Medical Lab the day of collection. Please include transfusion history, recent CBC and Mayo Metabolic Hematology Patient Information Form Patient: Draw blood in lavender top EDTA tube. Send 4.0 mL blood refrigerated in original tube. In addition, collect 2 well-made peripheral blood smears (Wright stained or fixed in absolute methanol). Normal shipping control: Draw blood in lavender EDTA tube from a healthy, non-smoking person at the same time as patient. Send 4.0 mL blood clearly labeled as control specimen.							
Rejection Criteria	Gross hemolysis, clotted							
Stability	Room temperature: Unacceptable; Refrigerated: 72 hours; Frozen: Unacceptable							
Performing Informa	ation							
Methodology	Varies by test							
Reference Range	 > or = 12 months: 0.50 g/dL NaCl (unincubated): 3-53% hemolysis 0.60 g/dL NaCl (incubated): 14 - 74% hemolysis 0.65 g/dL NaCl (incubated): 4 - 40% hemolysis 0.75 g/dL NaCl (incubated): 1 -11 % hemolysis Interpretive report provided Reference values not established for patients <12 months of age. 							
Performed Days	Monday - Saturday							
Turnaround Time	5 - 7 days							
Performing Laboratory	Mayo Clinic Laboratories							
Interface Informati	on							
Legacy Code ¹	RBCME							

Warde Medical Laboratory

TEST DIRECTORY UPDATE

Interface Order Code	3	3800161				
Result Code	Name	LOINC Code	AOE/Prompt ²			
3800162	Osmotic Fragility, RBC	34964-7	No			
3800163	Osmotic Fragility, 0.50 g/dL NaCl	23915-2	No			
3800164	Osmotic Fragility, 0.60 g/dL NaCl	23918-6	No			
3800165	Osmotic Fragility, 0.65 g/dL NaCl	23920-2	No			
3800166	Osmotic Fragility, 0.75 g/dL NaCl	23921-0	No			
3800167	Osmotic Fragility Comment	59466-3	No			
3800168	Shipping Control Vial	40431-9	No			
3800169	Spherocytosis Interpretation	50595-8	No			
3800170	Reviewed By	18771-6	No			
3800171	Band 3 Fluoresence Staining, RBC	Not available	No			
3800172	Peripheral Blood Smear Review	59465-5	No			



EXAMPLE, REPORT WX0000003313 M 09/22/1992 27 Y

	Referral T	•	00:40 Deed		00.40
Tartha		ted: 09/16/2020		eived: 09/16/2020	
Test Name	<u>Result</u>	<u>Flag</u>	Ref-Ranges	<u>Units</u>	<u>Site</u>
RBC Membrane Evaluation, B					
Osmotic Fragility, RBC					MAYO
Osmotic Fragility, 0.50 g/dL NaCl	5		3-53	%hemol	MAYO
Osmotic Fragility, 0.60 g/dL NaCl	15		14-74	%hemol	MAYC
Osmotic Fragility, 0.65 g/dL NaCl	7		4-40	%hemol	MAYC
Osmotic Fragility, 0.75 g/dL NaCl	2		1-11	%hemol	MAYO
ADDITI	ONAL INFORMATION				
This test was developed a					
determined by Mayo Clinic					
requirements. This test h the U.S. Food and Drug Ad		d or approve	ed by		
Osmotic Fragility Comment	ministration.				MAYC
Shipping Control Vial	Received				MAYC
Spherocytosis Interpretation	SEE BELOW				MAYC
Osmotic fragility testing					
EMA binding test (Band 3	-	ometry: No:	rmal		
Interpretation: The osmo	tic fragility and 1	EMA binding			
(Band 3) test results are			s of		
hereditary spherocytosis.					
hereditary pyropoikilocyt hereditary elliptocytosis					
results and these finding			cell		
membrane disorder.					
Reviewed By	Wanda Barber				MAYC
Band 3 Fluoresence Staining, RBC	Normal				MAYO
REFERE	NCE VALUE				
Expected result is normal					
ADDITI					
This test was developed a					
determined by Mayo Clinic requirements. This test h					
the U.S. Food and Drug Ad		a or approve	ed by		
Peripheral Blood Smear Review	SEE BELOW				MAYO
Review of blood smear rev	eals no diagnostic	abnormalit	ies		
of erythrocytes.	-				
Test Performed by:					

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

B716000002	Ordered By:	CLIENT CLIENT
WX000003313	WX00000000	001887
Printed D&T: 09/17/20 14:31		



LABORATORY REPORT

Example Client, XYZ123 1234 Warde Road ANN ARBOR MI 48108 **EXAMPLE, REPORT** WX0000003313 M 09/22/1992 27 Y

	Referral Testing				
	Collected: 09/	16/2020	09:48	Received: 09/16/2020	09:48
Test Name	Result	Flag	Ref-Ranges	<u>Units</u>	<u>Site</u>
	Mayo Clinic Laboratories - Rochester Main Campus				
	200 First Street SW, Rochester, MN 55905				
	Lab Director: William G. Morice M.D. Ph.D.; CLIA#	24D04	04292		

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



EXAMPLE, REPORT WX0000003312 F 09/05/2001 19 Y

	Referral 1	[esting			
		ted: 09/16/2020	0 09:46	Received: 09/16/2020	09:46
Test Name	Result	Flag	Ref-Ranges	Units	Site
RBC Membrane Evaluation, B					
Osmotic Fragility, RBC					MAY
Osmotic Fragility, 0.50 g/dL NaCl	89	н	3-53	%hemol	MAY
Osmotic Fragility, 0.60 g/dL NaCl	90	Н	14-74	%hemol	MAY
Osmotic Fragility, 0.65 g/dL NaCl	91	н	4-40	%hemol	MAY
Osmotic Fragility, 0.75 g/dL NaCl	92	Н	1-11	%hemol	MAY
ADDII	IONAL INFORMATION				
This test was developed determined by Mayo Clini requirements. This test the U.S. Food and Drug A	c in a manner consi has not been cleare	stent with	CLIA		
Osmotic Fragility Comment					MAY
Shipping Control Vial Spherocytosis Interpretation	Received SEE BELOW				MA` MA`
Osmotic fragility testin EMA binding test (band 3	g: Increased red bl	-			
Interpretation: Osmotic results are supportive of spherocytosis in the cor is important to note tha results can also be seen anemia, type II. Further been reported in other r hereditary pyropoikilocy and cryohydrocytosis. T patient's clinical and f peripheral blood smear f definitive diagnosis.	of a diagnosis of he rect clinical content is similar OF and EM in congenital dyse more, decreased flucture rare blood cell diso rtosis, Southeast As Therefore, correlati amily history and p	reditary ext. Howeve A binding rythropoiet orescence h orders such ia ovalocyt on with the persistent	r, it ic as as osis,		
	. a sequencing pane		ble.		
If genotyping is desired If applicable, please or Comprehensive Sequencing the information sheet.	der the Hereditary	Hemolytic A			
If applicable, please or Comprehensive Sequencing	der the Hereditary (test code, NGHHA) consideration, plea 188, for disorder-s ations and contrain	Hemolytic A and fill o se see Iola pecific dications f	scon		MA

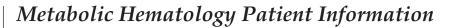
LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED

Ordered By: CLIENT CLIENT WX0000000001886



EXAMPLE, REPORT WX0000003312 F 09/05/2001 19 Y

		Poforral T	octing				
		Referral To	•				
		Collecte	ed: 09/16/2020	09:46	Received:	09/16/2020	09:46
Test Name	1	Result	Flag	Ref-Ranges	. <u>!</u>	<u>Units</u>	<u>Site</u>
		RENCE VALUE					
	Expected result is norm	al					
Peripheral	This test was developed determined by Mayo Clin requirements. This test the U.S. Food and Drug Blood Smear Review	and its performance ic in a manner consis has not been cleared	characteris tent with C	stics CLIA			МАҮО
	RESULT: Review of blood	smear reveals a subs	et of spher	cocytes.			
	Test Performed by: Mayo Clinic Laboratorie 200 First Street SW, Ro Lab Director: William G	chester, MN 55905	-	04292			



Instructions: The information requested below is important for interpretation of test results. To help us provide the best possible service, answer the questions completely and **send the paperwork with the specimen**. All answers will be kept confidential.

Patient Information

MAYO CLINIC LABORATORIES

Name (Last, First, Middle)			Birth Date (mm-dd-	-уууу)	Gender	
					🗆 Male	Female
Referring Provider Nam	e (Last, First)		Phone		Email	
Ethnic Origin/Ra	Ethnic Origin/Race (Check all that apply.)					
🗆 African 🛛 Arab	🗆 Caucasian 🛛	🛛 Hispanic 🛛 🗆 Mediterranean	Southeast A	sian		
Other (specify):						
Clinical History						
CBC Data	Relevant Clinical Ir	formation				
HGB:	Asymptomatic	Symptomatic:				
HCI:	Acquired					
RBC:	Recent transfusion:	🗆 Yes 🗆 No 🛛 Last tra	nsfusion date (mm-	dd-vvvv)'		
MCV:						
MCH:	Hydroxyurea:					
MCHC:	Family history:	🗆 Yes 🗆 No Disorde	r/relation to patient			
RDW: Retics:	Blood smear shows:					
Ferritin:						
Indication for Te	sting (See Metabo	lic Hematology Profile Comparise	on Chart)			
Hemoglobin Disorder		Hemolytic Anemia		Erythrocytosis	s (consider REV	E)
(consider THEVP or HE	,	(consider HAEVP, RBCME, or E	EEVP)			g 🗆 Not done
Genetic counseling or prenatal		Suspect		<i>JAK2</i> Exon 12:	🗆 Pos 🗆 Ne	g 🗆 Not done
 Abnormal newborn screen Anemia Microcytosis Other:				Serum Epo:	p50 re	esult:
		Enzyme disorder:		Phlebotomy:	🗆 Yes 🗆 No	
		Coombs: 🗆 Pos 🗆 Neg]		□ Sleep apnea	
□ Monitoring of Hb frac	(,	Splenectomy: 🗆 Yes 🛛 No		🗆 Cardio/pulm	-	
🗆 Cyanosis/Hypoxia (o	rder MEVP + P50B)			□		

Test Reflex Options

As part of HBELC, THEVP, HAEVP, REVE and MEVP evaluations, the following 4 options are available:

- 1. Do **NOT** perform molecular testing.
- 2. Add only alpha globin deletion/duplication testing for common alpha thalassemias.
- 3. Mayo expert selection of relevant molecular testing (if needed) to explain/exclude: ____
- 4. Perform the following tests regardless of protein results:

Additional Clinical Information



OCTOBER 2020

New Test Activ	ation						
Effective Date	10/27/2020						
Name	von Willebrand D	isease Gene Seq	uencing				
Code		VONWI					
CPT Code(s)	81408 ZB6l4						
Notes							
Specimen Requiren	nents						
Specimen Required	Draw blood in lavender EDTA tube. Send 5.0 r temperature.	nL whole blood (3.0 minimum) at room				
Alternate Specimen	Yellow top (ACD) Sodium heparin green top						
Rejection Criteria	Plasma						
Stability	Room temperature: 14 days; Refrigerated: 14 days; Frozen: Unacceptable						
Performing Informa	ation						
Methodology	Next Gene	ration Sequencin	g				
Reference Range	Se	e report					
Performed Days	Weekly						
Turnaround Time	4 - 6 weeks						
Performing Laboratory	Quest SJC						
Interface Informati	on						
Legacy Code ¹		VONWI					
Interface Order Code	3	3400356					
Result Code	Name	LOINC Code	AOE/Prompt ²				
3400355	vWF Disease Gene Seq	40970-6	No				
3400354	Clinical Info	55752-0	Yes				



EXAMPLE, REPORT WX0000003091 M 06/30/1962 58 Y

Referral Testing						
		Collected	1: 07/27/2020 13:58	Received:	07/27/2020	13:58
Test Name	2	Result	<u>Flag</u> <u>Ref-Ran</u>	ges <u>l</u>	<u>Jnits</u>	<u>Site</u>
von Willebrand Disease Gene Sequencing vWF Disease Gene Seq SEE NOTE				QUESC		
	RESULT: NEGATIVE					
Interpretation: Nucleotide sequence analysis indicates that this individual is negative for clinically significant single nucleotide variants, small insertions and deletions, and larger copy number variants in the analyzed regions (see below) of the von Willebrand Factor (vWF) gene. Benign and likely benign variants/polymorphisms are not reported. This negative result does not rule out a clinical						

von Willebrand disease (VWD) is the most common inherited bleeding disorder, affecting approximately 1% of the general population. It results from quantitative or qualitative defects of the von Willebrand factor (VWF) protein. Pathogenic variants in the VWF gene (located on chromosome 12p13.3) can cause reduced synthesis of VWF protein, or structural and functional abnormalities in the VWF protein, leading to various types of VWD.

diagnosis of all types of von Willebrand disease.

In this assay, sheared genomic DNA fragments representing the entire coding region and the splice junction sites of the VWF gene (NM 000552.3) are selectively enriched through exon capture, and then subjected to nucleotide sequence analysis on a massively parallel sequencing platform. To avoid pseudogene interference, long range PCR (LR-PCR) is performed for exons 23-28. The LR-PCR product is processed and included in the sequencing reaction. Exon level, copy number variants are detected by bioinformatic analysis of the sequencing and confirmed by a custom targeted microarray. However, due to the pseudogene, exons 23-28 are excluded from copy number analysis. This analysis will identify variants associated with Type II (subtypes, A, B, M, and N) and some forms of Type I and Type III VWD (see http://www.shef.ac.uk/vwf/vwd.html). Since genetic variation and other factors can affect the accuracy of this test, results should always be interpreted in light of clinical and familial data. Benign and likely benign variants with no known clinical significance are reported only by request.

The classification and interpretation of the variants identified in this DNA assessment reflect the current state of Quest Diagnostics' understanding at the time this report was issued. Variant classification and interpretation are subject to professional judgment, and may change for a variety of reasons, including but not limited to, improvements in classification techniques, availability of

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

Ordered By: CLIENT CLIENT WX0000000001650



EXAMPLE, REPORT WX0000003091 M 06/30/1962 58 Y

	Referral Testing		
	Collected: 07/27/2020 13:58 Received: 07	7/27/2020	13:58
<u>Test Name</u>	Result Flag Ref-Ranges Units additional information, and observation of a variant in more patients. Health care providers should verify a variant's classification prior to taking any clinical action. This test result should be used in conjunction with the health care provider's clinical evaluation and other medically established means to help with a diagnosis and treatment plan. For questions regarding variant classification updates, please call Quest Diagnostics at 866-GENEINFO (436-3463) to speak to a genetic counselor or laboratory director.	<u>s</u>	<u>Site</u>
	This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute San Juan Capistrano. It has not been cleared or approved by FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.		
Clinical Info	Test Performed at: Quest Diagnostics Nichols Institute 33608 Ortega Highway San Juan Capistrano, CA 92675-2042 I Maramica MD, PhD, MBA D blood		QCRL
	QCRL: QUEST DIAGNOSTICS REFERENCE LAB CAPISTRANO 33608 Ortega Highway San Ju		<u>ing Site:</u> A 92675



Update Existing	Update Existing Test				
Effective Date	10/19/2020				
Name	Aldosterone, LC/MS/MS				
Code	ALDMS				
Interface Order Code	3435340				
Legacy Code	ALDMS				
Notes	Alternate specimen changes.				
Required Testing Changes					
Alternate Specimen	Plasma: Lavender EDTA, Sodium heparin (green-top), Lithium heparin (green-top)				

Update Existing	g Test
Effective Date	9/17/2020
Name	Chlamydia and Neisseria Nucleic Acid by TMA
Code	CHGTM
Interface Order Code	3091010
Legacy Code	CHGCRNA
Notes	
Required Testing C	hanges
Specimen Required	Specimen source required for testing. Endocervical, vaginal or male urethral swab specimens in APTIMA Combo II or Aptima Multitest transport medium. First catch urine in APTIMA Combo II Urine Transport Tube. Liquid level must fall between the two black indicator lines. Minimum 2.0 mL Aptima Combo II Urine transport media is currently unavailable.
Alternate Specimen	No alternate available.
Stability	Swab in APTIMA Combo II or Aptima Multitest transport medium Urine in Aptima Combo II urine transport tube Room temperature: 30 days Refrigerated: 30 days Frozen -20°C: 90 days



Update Existing	g Test		
Effective Date	9/17/2020		
Name	Chlamydia trachomatis Nucleic Acid by TMA		
Code	CHRNA		
Interface Order Code	3091100		
Legacy Code	CHRNA		
Notes			
Required Testing Cl	hanges		
Specimen Required	 Specimen source required for testing. Endocervical, vaginal, or male urethral swab specimens in APTIMA Combo II or Aptima Multitest transport medium. First catch urine in APTIMA Combo II Urine Transport Tube. Liquid level must fall between the two black indicator lines. Minimum 2.0 mL. Dedicated specimens are required. If Chlamydia and Neisseria are both ordered one sample may be sent. Specimens used in other assay will not be tested. Aptima Combo II Urine transport media is currently unavailable. 		
Alternate Specimen	No alternate available.		
Stability	Swab in APTIMA Combo II or Aptima Multitest transport medium Urine in Aptima Combo II urine transport tube Room temperature: 30 days Refrigerated: 30 days Frozen -20°C: 90 days		

Update Existing	Update Existing Test			
Effective Date	10/19/2020			
Name	Copper, Random Urine			
Code	COPRU			
Interface Order Code	3700000			
Legacy Code	COPRU			
Notes	Reference range change.			
Required Testing C	hanges			
Reference Range	<87 mcg/g creat			



Update Existing Test				
Effective Date	9/17/2020			
Name	MyoMarker Panel 3			
Code	FMP3			
Interface Order Code	3800044			
Legacy Code	FMP3			
Notes	Specimen volume changes			
Required Testing Changes				
Specimen Required	Draw blood in a red-top tube. Centrifuge, separate and send 5.0 mL serum (4.0 mL minimum) refrigerated in a screw-capped plastic vial.			

Update Existing Test				
Effective Date	10/5/2020			
Name	Formic Acid, Serum/Plasma			
Code	FORMA			
Interface Order Code	3502910			
Legacy Code	FORMIC			
Notes				
Required Testing Cl	Required Testing Changes			
Specimen Required	Draw blood in a plain red-top tube. Centrifuge, separate serum from cells, and send 2.0 mL serum (0.7 mL minimum) refrigerated in a screw-capped plastic vial.			
Stability	Room temperature: 7 days; Refrigerated: 30 days; Frozen: 15 months			



TEST DIRECTORY UPDATE OCTOBER 2020

Update Existing	g Test		
Effective Date	9/17/2020		
Name	Nesseria gonorrhoeae Nucleic Acid by TMA		
Code	GCRNA		
Interface Order Code	3091200		
Legacy Code	GCRNA		
Notes			
Required Testing C	hanges		
Specimen Required	Specimen source required for testing. Endocervical, vaginal or male urethral swab specimens in APTIMA Combo II or Aptima Multitest transport medium. First catch urine in APTIMA Combo II Urine Transport Tube. Liquid level must fall between the two black indicator lines. Minimum 2.0 mL urine in sterile specimen cup. Dedicated specimens are required. If Chlamydia and Neisseria are both ordered one sample may be sent. Specimens used in other assays will not be tested. Aptima Combo II Urine Transport media is currently unavailable.		
Alternate Specimen	No alternate available.		
Stability	Swab in APTIMA Combo II or Aptima Multitest transport medium Urine in APTIMA Combo II urine transport tube Room temperature: 30 days Refrigerated: 30 days Frozen -20°C: 90 days		



Update Existing Test				
Effective Date	9/17/2020			
Name	Immunoglobulin G (IgG) Subclasses			
Code	IGSUB			
Interface Order Code	3004000			
Legacy Code	IGGSUB			
Notes	Reference range change.			
Required Testing Cl	anges			
Reference Range	Years:IgG1 mg/dlIgG2 mg/dlIgG3 mg/dlIgG4 mg/dl0-2194-84223-30019-851-782-4315-94536-22517-681-544-6306-94561-34510-1222-1136-8288-91844-37516-851-998-10432-102072-43013-852-9310-12423-106076-35517-1732-11512-14342-1150100-45528-1254-13614-18315-85564-49523-19611-157			
	>18 382-929 242-700 22-176 4-86			

Update Existing	g Test
Effective Date	9/17/2020
Name	Infliximab Quant with Reflex to Ab to Infliximab, Serum
Code	INFX
Interface Order Code	3516100
Legacy Code	INFX
Notes	
Required Testing Cl	hanges
Specimen Required	Draw blood in a red-top tube. Centrifuge, separate serum from cells, and send 1.0 mL serum (0.5 mL minimum) frozen in a screw-capped plastic vial. For 12 hours before specimen collection do not take supplements or vitamins containing biotin (vitamin B7).
Rejection Criteria	Grossly hemolyzed or icteric samples, SST
Methodology	Infliximab: Selective Reaction Monitoring LC-MS/MS Antibody: Electrochemiluminescent Bridging Immunoassay with Acid Dissociation



Update Existing Test				
Effective Date	10/26/2020			
Name	PML-RARA t(15;1	7), Quantitative	RT-PCR	
Code		PMPCR		
Interface Order Code		3427400		
Legacy Code		PMPCR		
Notes	Changes to specimen requirements, Performed days, TAT and LOINC updates.			
Required Testing C	hanges			
Specimen Required	Draw blood in a lavender EDTA tube. Send 5.0 mL whole blood (4.0 mL minimum) room temperature in original tube.			
Performed Days	Sunday - Saturday			
Turnaround Time	Turnaround Time 6 - 7 days			
Result Code	Name	LOINC Code	AOE/Prompt ²	
3427410	Specimen Source	31208-2	Yes	
3427420	Sample ID	57723-9	Yes	
3427430	PML-RARA transcript level	72274-4	No	
3427440	Interpretation	50398-7	No	

Update Existing Test			
Effective Date	8/26/2020		
Name	T3, Reverse, LC/MS/MS		
Code	RT3		
Interface Order Code	3426700		
Legacy Code	RT3Q		
Notes			
Required Testing Changes			
Rejection Criteria	SST, Grossly lipemic or hemolyzed samples, plasma		



Update Existing Test				
Effective Date	9/17/2020			
Name	Trichomonas vaginalis RNA, Qualitative			
Code	TRIVA			
Interface Order Code	3093500			
Legacy Code	TRIVA			
Notes				
Required Testing Changes				
Specimen Required	Specimen source required. Collect endocervical, vaginal or male urethral swab and place in Aptima Combo II or Aptima Multitest transport media. First void urine in Aptima urine transport tube. Liquid level must fall between the two black indicator lines. Dedicated specimens are required. Aptima Combo II Urine transport media is currently unavailable.			



Inactivate Test With Replacement					
Effective Date	10/27/2020				
Inactivated Test					
Name	MuSK Antibody Test				
Code	MUSKQ				
Legacy Code ¹	Γ	MUSKQ			
Interface Order Code	3	429400			
Notes					
	Replacement Te	est			
Name	Muscle-Specific Kin	ase (MuSK) Antib	ody, IgG		
Code	I	MUSKE			
CPT Code(s)	83519				
Notes					
Specimen Requirer	nents				
Specimen Required	Draw blood in SST. Centrifuge, separate serum from cells, and send 2.0 mL serum (0.5 mL minimum) refrigerated in a screw-capped plastic vial.				
Rejection Criteria	Grossly lipemic, icteric, or hemolyzed specimens				
Stability	Room temperature: 48 hours; Refrigerated: 2 weeks; Frozen: 1 month				
Performing Informa	ation				
Methodology	Quantitative	Radioimmunoass	ау		
Reference Range	0	0 - 0.03 nmol/L			
Reference Kallge	Positive 0.04	Positive 0.04 nmol/L or greater			
Performed Days	Monday, Thursday				
Turnaround Time	3 - 9 days				
Performing Laboratory	ARUP Reference Laboratory				
Interface Informati	on				
Legacy Code ¹	MUSKE				
Interface Order Code	3600115				
Result Code	Name	LOINC Code	AOE/Prompt ²		
3600115	Muscle-Specific Kinase (MuSK) Antibody, IgG	51716-9	No		



EXAMPLE, REPORT WX0000003094 F 07/12/2010 10 Y

	Referral Testi	ng				
	Collected: 08	/27/2020	0 10:03	Received:	08/27/2020	10:03
Test Name	<u>Result</u>	<u>Flag</u>	Ref-Ranges	<u>s l</u>	<u>Jnits</u>	<u>Site</u>
Muscle-Specific Kinase (MuSK) Antibody, IgG	0.05	н	0.00-0.03	r	nmol/L	ARUP
INTERPRETIVE INFORMATION: Musc IgG Negative 0.00-0. Positive 0.04 nm Muscle-specific kinase (MuSK) of patients with myasthenia gr seronegative for muscle acetyl antibody. Decreasing antibody therapeutic response; therefor be strongly considered. A nega rule out a diagnosis of myasth Test developed and characteris Laboratories. See Compliance S Performed By: ARUP Laboratorie 500 Chipeta Way Salt Lake City, UT 84108	03 nmol/L nol/L or greater antibody is found ravis, primarily the choline receptor (. levels may be asso re, clinical correl tive test result d tenia gravis. ttics determined by ctatement A: arupla	in a su ose AChR) ciated ation n oes not ARUP	with must			

Laboratory Director: Julio C. Delgado, MD, MS



Inactivate Test With Replacement				
Effective Date	9/28/2020			
	Inactivated Test			
Name	Pea	nut IgE Component Pane	el	
Code		PNTCP		
Legacy Code ¹	PNTCP			
Interface Order Code		3000134		
Notes				
	Doulocom	ant Taat		
	Replaceme			
Name	Pea	inut IgE Component Pan	el	
Code	86008 x 6	PNTCT		
CPT Code(s)	80008 X 6			
	This panel does not include a peanut a	allergen screen.		
Notes		0		
Specimen Requirer	nents			
	Draw blood in a SST. Centrifuge, remo	ve serum from cells and	send 1.0 mL serum (0.5 mL	
Specimen Required	minimum) refrigerated in a screw-cap	ped plastic vial.		
Alternate Specimen	Serum: Red-top			
	Room temperature: Unacceptable; Refrigerated: 7 days; Frozen: 14 days			
Stability				
Performing Information	ation			
Methodology	Fluorescent Enzyme Immunoassay			
	Ara h 1 (f422) <0.10 kU/L			
	Ar	a h 2 (f423) <0.10 kU/l	_	
Poforonco Pongo	Ara h 3 (f424) <0.10 kU/L			
Reference Range	Ara h 6 (f447) <0.10 kU/L			
		a h 8 (f352) <0.10 kU/l		
	Ara h 9 (f427) <0.10 kU/L			
Performed Days	Monday - Friday			
	1 - 3 days			
Turnaround Time	I - 3 days			
Performing Laboratory	W	arde Medical Laboratory	,	
Interface Informati				
Legacy Code ¹		PNTCT		
Interface Order Code		3000337		
Result Code	Name	LOINC Code	AOE/Prompt ²	
3000338	Ara h 1 (f422)	58779-0	No	
3000339	Ara h 1 Class	81991-2	No	
3000340	Ara h 2 (f423)	58778-2	No	

Warde Medical Laboratory

TEST DIRECTORY UPDATE

3000341	Ara h 2 Class	81991-2	No
3000342	Ara h 3 (f424)	58777-4	No
3000343	Ara h 3 Class	81992-0	No
3000344	Ara h 6 (f447)	90880-6	No
3000345	Ara h 6 Class	87718-3	No
3000346	Ara h 8 (f352)	63477-4	No
3000347	Ara h 8 Class	81982-1	No
3000348	Ara h 9 (f427)	64965-7	No
3000349	Ara h 9 Class	81994-6	No
3069000	Allergy Interpretation	Not Available	No



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

		Allergy Testing					
		Collected:	09/17/2020) 14:35	Received:	09/17/2020	14:35
<u>Fest Name</u>		Result	Flag	Ref-Ranges	<u>U</u>	Inits	Site
Peanut Comp	onent Panel						
Ara h 1 (f422)		0.94	Н	<0.10	k	U/L	WM
Ara h 1 Class		CLASS 2					WM
Ara h 2 (f423)		1.07	Н	<0.10	k	U/L	WM
Ara h 2 Class		CLASS 2					WM
Ara h 3 (f424)		<0.10		<0.10	k	U/L	WM
Ara h 3 Class		CLASS 0					WM
Ara h 6 (f447)		0.83	н	<0.10	k	U/L	WM
Ara h 6 Class		CLASS 2					WM
Ara h 8 (f352)		<0.10		<0.10	kl	U/L	WM
Ara h 8 Class		CLASS 0					WM
Ara h 9 (f427)		1.29	н	<0.10	kl	U/L	WM
Ara h 9 Class		CLASS 2		0.10			WM
syste peanu may b sensi	mic allergic resp t. Sensitization e associated with tization to birch	an increased risk of ponse upon exposure to h to Ara h 8 and Ara h 9 h cross-reactivity and h pollen and peaches and respectively. Reactivity					
syste peanu may b sensi peach to wh compo sensi peanu in th	mic allergic resp t. Sensitization e associated with tization to birch related fruits, ole peanut without nents may indication tization to peanut t-specific IgE to e context of pata istory of allerge	ponse upon exposure to h to Ara h 8 and Ara h 9 h cross-reactivity and h pollen and peaches and respectively. Reactivity ut reactivity to peanut te low to moderate ut. Results from esting must be interpreted ient's clinical evaluation	d				WMB
syste peanu may b sensi peach to wh compo sensi peanu in th and h	mic allergic resp t. Sensitization e associated with tization to birch related fruits, ole peanut withon nents may indica tization to pean t-specific IgE to e context of pat istory of allerge	ponse upon exposure to h to Ara h 8 and Ara h 9 h cross-reactivity and h pollen and peaches and respectively. Reactivity ut reactivity to peanut te low to moderate ut. Results from esting must be interpreted ient's clinical evaluation en reactivity.	d				WM
syste peanu may b sensi peach to wh compo sensi peanu in th and h Allergy Interpretatio	mic allergic resp t. Sensitization e associated with tization to birch related fruits, ole peanut withon nents may indica tization to pean t-specific IgE to e context of pat istory of allerge	ponse upon exposure to h to Ara h 8 and Ara h 9 h cross-reactivity and h pollen and peaches and respectively. Reactivity ut reactivity to peanut te low to moderate ut. Results from esting must be interpreted ient's clinical evaluation en reactivity. See Below Level of Allergen	d				WM
syste peanu may b sensi peach to wh compo sensi peanu in th and h Allergy Interpretation CLASS 0 0/1	mic allergic resp t. Sensitization e associated with tization to birch related fruits, ole peanut withon nents may indican tization to pean t-specific IgE to e context of pat istory of allerge on kU/L 	ponse upon exposure to h to Ara h 8 and Ara h 9 h cross-reactivity and h pollen and peaches and respectively. Reactivity ut reactivity to peanut te low to moderate ut. Results from esting must be interpreted ient's clinical evaluation en reactivity. See Below Level of Allergen Specific IgE Antibody Undetectable Very Low Level	d				WM
syste peanu may b sensi peach to wh compo sensi peanu in th and h Allergy Interpretatio CLASS 0 0/1 1	<pre>mic allergic resp t. Sensitization e associated with tization to birch related fruits, ole peanut without nents may indicat tization to peanut t-specific IgE to e context of path istory of allerge on kU/L </pre>	ponse upon exposure to h to Ara h 8 and Ara h 9 h cross-reactivity and h pollen and peaches and respectively. Reactivity ut reactivity to peanut te low to moderate ut. Results from esting must be interpreted ient's clinical evaluation en reactivity. See Below Level of Allergen Specific IgE Antibody Undetectable Very Low Level Low Level	d				WM
syste peanu may b sensi peach to wh compo sensi peanu in th and h Allergy Interpretation CLASS 0 0/1 1 2	<pre>mic allergic resp t. Sensitization e associated with tization to birch related fruits, ole peanut without nents may indication tization to peanut tization to peanut to peanut without e context of path istory of allerge on kU/L </pre>	ponse upon exposure to h to Ara h 8 and Ara h 9 h cross-reactivity and h pollen and peaches and respectively. Reactivity ut reactivity to peanut te low to moderate ut. Results from esting must be interpreted ient's clinical evaluation en reactivity. See Below Level of Allergen Specific IgE Antibody Undetectable Very Low Level Low Level Moderate Level	d				WM
syste peanu may b sensi peach to wh compo sensi peanu in th and h Allergy Interpretation CLASS 0 0/1 1 2 3	<pre>mic allergic resp t. Sensitization e associated with tization to birch related fruits, ole peanut without nents may indicat tization to peanut t-specific IgE to e context of path istory of allerge on kU/L </pre>	ponse upon exposure to h to Ara h 8 and Ara h 9 h cross-reactivity and h pollen and peaches and respectively. Reactivity ut reactivity to peanut te low to moderate ut. Results from esting must be interpreted ient's clinical evaluation en reactivity. See Below Level of Allergen Specific IgE Antibody 	d				WM
syste peanu may b sensi peach to wh compo sensi peanu in th and h Allergy Interpretatio CLASS 0 0 0/1 1 2 3 4	<pre>mic allergic resp t. Sensitization e associated with tization to birch related fruits, ole peanut without nents may indicat tization to peanut t-specific IgE to e context of path istory of allerge on kU/L </pre>	ponse upon exposure to h to Ara h 8 and Ara h 9 h cross-reactivity and h pollen and peaches and respectively. Reactivity ut reactivity to peanut te low to moderate ut. Results from esting must be interpreted ient's clinical evaluation en reactivity. See Below Level of Allergen Specific IgE Antibody 	d				wM
syste peanu may b sensi peach to wh compo sensi peanu in th and h Allergy Interpretation CLASS 0 0/1 1 2 3	<pre>mic allergic resp t. Sensitization e associated with tization to birch related fruits, ole peanut without nents may indicat tization to peanut t-specific IgE to e context of path istory of allerge on kU/L </pre>	ponse upon exposure to h to Ara h 8 and Ara h 9 h cross-reactivity and h pollen and peaches and respectively. Reactivity ut reactivity to peanut te low to moderate ut. Results from esting must be interpreted ient's clinical evaluation en reactivity. See Below Level of Allergen Specific IgE Antibody 	d				WM

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

B717000004	Ordered By:	CLIENT CLIENT	
WX000003039	WX0000000001595		
Printed D&T: 09/17/20 15:00			

William G. Finn, M.D. - Medical Director Form: MM RL1 PAGE 1 OF 1