

Update Summary		
Update Existing Test	6/4/2024	AHA - "Histone Antibody, IgG"
Update Existing Test	6/4/2024	AMDLU - "Amphetamines [D/L Differentiation], Urine"
Update Existing Test	6/4/2024	APCAB - "Gastric Parietal Cell Antibody"
Update Existing Test	6/3/2024	B12 - "Vitamin B12"
Update Existing Test	6/4/2024	CH50 - "Complement, Total (CH50)"
Update Existing Test	7/1/2024	CHRMS - "Chromium, Serum"
Update Existing Test	6/17/2024	EBVQL - "Epstein Barr Virus DNA PCR, Qual."
Update Existing Test	6/17/2024	EPBAV - "Epstein-Barr Virus DNA, Quant Real-Time PCR, CSF"
Update Existing Test	6/4/2024	ETOHC - "Ethanol, Blood, Serum, or Plasma"
Update Existing Test	6/3/2024	FOL - "Folate, Serum"
Update Existing Test	6/4/2024	HTLVD - "HTLV I/II DNA, Qualitative, Real-Time PCR"
Update Existing Test	6/4/2024	IGS12 - "Immunoglobulin G (IgG) Subclasses 1 + 2"
Update Existing Test	6/4/2024	IGSUB - "Immunoglobulin G (IgG) Subclasses"
Update Existing Test	7/1/2024	MGRBC - "Magnesium, RBC"
Update Existing Test	5/28/2024	MLH1 - "MLH1 Promoter Methylation"
Update Existing Test	6/17/2024	PNJRP - "Pneumocystis jirovecii, Quan, Real-Time PCR"
Update Existing Test	5/28/2024	PRMET - "MGMT Promoter Methylation Det by ddPCR"
Update Existing Test	6/4/2024	SOSMQ - "Osmolality, Serum"
Update Existing Test	6/17/2024	UARSR - "Arsenic Urine Random"
Update Existing Test	7/1/2024	UBISR - "Bismuth, Random Urine w/Creatinine"
Update Existing Test	6/17/2024	UHVMR - "Heavy Metals - Urine Random"
Update Existing Test	6/4/2024	ULEGA - "Legionella Urinary Antigen"
Update Existing Test	6/4/2024	UOSMQ - "Osmolality (U)"
Update Existing Test	6/3/2024	VB2 - "Vitamin B2 (Riboflavin), Plasma"
Update Existing Test	6/3/2024	VB5 - "Vitamin B5 (Pantothenic Acid)"
Update Existing Test	6/17/2024	WHIPP - "Tropheryma whipplei DNA (PCR), Qual"
Update Existing Test	6/4/2024	WNVG - "West Nile Virus Antibody, IgG"
Update Existing Test	6/4/2024	WNVGM - "West Nile Virus IgG/IgM Abs"
Update Existing Test	6/4/2024	WNVN - "West Nile Virus Antibody, IgM"
Inactivate Test With Replacement	7/1/2024	BIS24 - "Bismuth, 24 Hour Urine" replaced by BISMU - "Bismuth, 24 Hour Urine"
Inactivate Test With Replacement	6/10/2024	OM3FA - "Omega-3 and -6 Fatty Acids" replaced by OMEGC - "OmegaCheck"
Inactivate Test With Replacement	6/17/2024	UARS - "Arsenic 24 Hour Urine" replaced by UARN - "Arsenic, 24 Hour Urine"
Inactivate Test With Replacement	6/17/2024	UHMT - "Heavy Metal Scrn 24hr Urine" replaced by URHMT - "Heavy Metals Panel, 24 Hour Urine"

Inactivate Test Without Replacement	6/25/2024	MHAIR - "Metro Air Panel"
Inactivate Test Without Replacement	6/25/2024	MHGW - "Metro Grass/Weed Panel"
Inactivate Test Without Replacement	6/25/2024	MHPAN - "Metro Panel"
Inactivate Test Without Replacement	6/25/2024	MHTRE - "Metro Tree Panel"
Inactivate Test Without Replacement	6/25/2024	PFPA - "Pediatric Food Panel AEL"
Inactivate Test Without Replacement	6/25/2024	PHFDE - "Food Panel PHH"
Inactivate Test Without Replacement	6/25/2024	PHST1 - "Standard Panel Part 1 PHH"
Inactivate Test Without Replacement	6/25/2024	PHST2 - "Standard Panel Part 2 PHH"
Inactivate Test Without Replacement	6/25/2024	RPF32 - "Full Panel (Foote) Part 2"
Inactivate Test Without Replacement	6/25/2024	RPFT1 - "Pediatric Panel (Foote)"
Inactivate Test Without Replacement	6/25/2024	RPFT3 - "Full Panel (Foote) Part1"
Inactivate Test Without Replacement	6/24/2024	TCRGQ - "T Cell Rec Gamma Gene Rear PCR"

Update Existing Test

Effective Date	6/4/2024
Name	Histone Antibody, IgG
Code	AHA
Interface Order Code	3671850
Legacy Code	AHA
Notes	Update to rejection criteria and stability.

Required Testing Changes

Rejection Criteria	Grossly hemolyzed, lipemic, heat-treated, microbially contaminated specimens , or plasma
Stability	Room temperature: 8 hours Refrigerated: 48 hours Frozen: Undetermined

Update Existing Test

Effective Date	6/4/2024
Name	Amphetamines [D/L Differentiation], Urine
Code	AMDLU
Interface Order Code	3300090
Legacy Code	AMDLU
Notes	Update to turnaround time.

Required Testing Changes

Turnaround Time	7 - 12 days
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Update Existing Test

Effective Date	6/4/2024
Name	Gastric Parietal Cell Antibody
Code	APCAB
Interface Order Code	3007760
Legacy Code	APCAB
Notes	Update to rejection criteria and stability.

Required Testing Changes

Rejection Criteria	Grossly hemolyzed, lipemic, heat-treated, microbially contaminated specimen, plasma
Stability	Room temperature: 8 hours Refrigerated: 48 hours Frozen: Undetermined

Update Existing Test

Effective Date	6/3/2024
Name	Vitamin B12
Code	B12
Interface Order Code	1000760
Legacy Code	B12
Notes	Update to performing laboratory.

Required Testing Changes

Performing Laboratory	Quest SJC
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Update Existing Test

Effective Date	6/4/2024
Name	Complement, Total (CH50)
Code	CH50
Interface Order Code	3000310
Legacy Code	CH50
Notes	Update to stability.

Required Testing Changes

Stability	Room temperature: Unacceptable Refrigerated: Unacceptable Frozen: Undetermined
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Update Existing Test	
Effective Date	7/1/2024
Name	Chromium, Serum
Code	CHRMS
Interface Order Code	3422860
Legacy Code	CHRMQ
Notes	Update to New York approval and performing laboratory.
Required Testing Changes	
New York Approval	New York DOH Approval Status: No
Performing Laboratory	Quest SJC

Update Existing Test	
Effective Date	6/17/2024
Name	Epstein Barr Virus DNA PCR, Qual.
Code	EBVQL
Interface Order Code	3421440
Legacy Code	EBVDPCRQ
Notes	Update to specimen requirements, alternate specimen, rejection criteria, and stability.
Required Testing Changes	
Specimen Required	<p><i>Collect:</i> Cerebrospinal Fluid (CSF) <i>Specimen Preparation:</i> Send 1.0 mL Cerebrospinal fluid (CSF) in a sterile leakproof container. <i>Minimum Volume:</i> 0.3 mL <i>Transport Temperature:</i> Refrigerated: All others; Frozen: Tissue</p>
Alternate Specimen	<p>Serum: Serum separator tube, Red top Whole blood: EDTA Lavender Fresh tissue: >3 cubic MM collected in sterile leakproof container. Fluid: Bronchoalveolar lavage, eye, bronchial wash, amniotic fluid, tracheal secretions.</p>
Rejection Criteria	Hemolyzed whole blood, heparin whole blood, ACD (Yellow top), PPT potassium tube (White top), Thawed Tissue
Stability	<p>Whole Blood: Room temperature: 48 hours Refrigerated: 8 days Frozen: Unacceptable Bone marrow, CSF, tissue, fluids, serum: Room temperature: 48 hours Refrigerated: 8 days Frozen: 30 days</p>

Update Existing Test	
Effective Date	6/17/2024
Name	Epstein-Barr Virus DNA, Quant Real-Time PCR, CSF
Code	EPBAV
Interface Order Code	3400475
Legacy Code	EPBAV
Notes	Update to specimen requirements, rejection criteria, stability, and reference range.
Required Testing Changes	
Specimen Required	<p><i>Collect:</i> Cerebrospinal fluid (CSF) <i>Specimen Preparation:</i> Send 1.0 mL Cerebrospinal fluid (CSF) in a sterile leak proof container. <i>Minimum Volume:</i> 0.5 mL <i>Transport Temperature:</i> Refrigerated</p>
Rejection Criteria	Heparinized samples, avoid repeated freezing and thawing, ACD (yellow top), PPT potassium tube (white top)
Stability	<p>CSF, Bronchoalveolar Lavage, Serum: Room temperature: 48 hours Refrigerated: 8 days Frozen: 30 days</p> <p>Whole Blood: Room temperature: 48 hours Refrigerated: 8 days Frozen: Unacceptable</p>
Reference Range	<p>EBV DNA, QN PCR (copies/mL): Not detected EBV DNA, QN PCR (Log copies/mL): Not detected</p>

Update Existing Test	
Effective Date	6/4/2024
Name	Ethanol, Blood, Serum, or Plasma
Code	ETOHC
Interface Order Code	1750410
Legacy Code	ETOH
Notes	Update to specimen requirements, stability, reference range, and performed days.
Required Testing Changes	
Specimen Required	<p><i>Collect:</i> Gray sodium flouride. Use non-alcohol swabs during collection.</p> <p><i>Specimen Preparation:</i> Send 5.0 mL whole blood, refrigerated. Do not remove cap from collection tube.</p> <p>Minimum Volume: 2.0 mL</p> <p><i>Transport Temperature:</i> Refrigerated</p>
Stability	<p>Room temperature: 48 hours</p> <p>Refrigerated: 7 days</p> <p>Frozen: Whole blood: Unacceptable; Plasma/Serum: 30 days</p>
Reference Range	<p>Decision Level: 10 mg/dL</p> <p>Low toxic: >300 mg/dL</p> <p>High toxic: >400 mg/dL</p>
Performed Days	Monday - Friday

Update Existing Test	
Effective Date	6/3/2024
Name	Folate, Serum
Code	FOL
Interface Order Code	1000770
Legacy Code	FOL
Notes	Update to specimen requirements and performing laboratory.
Required Testing Changes	
Specimen Required	<p><i>Collect:</i> Serum separator tube (SST)</p> <p><i>Specimen Preparation:</i> Centrifuge, separate serum from cells and send 1.0 mL serum refrigerated in an amber screw capped plastic vial. PROTECT FROM LIGHT.</p> <p><i>Minimum Volume:</i> 0.5 mL</p> <p>Transport Temperature: Refrigerated</p>
Performing Laboratory	Quest SJC

Update Existing Test

Effective Date	6/4/2024
Name	HTLV I/II DNA, Qualitative, Real-Time PCR
Code	HTLVD
Interface Order Code	3400829
Legacy Code	HTLVD
Notes	Update to specimen requirements.

Required Testing Changes

Specimen Required	<i>Collect:</i> Lavender EDTA Specimen Preparation: Send 1.0 mL whole blood. <i>Minimum Volume:</i> 0.4 mL <i>Transport Temperature:</i> Refrigerated
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Update Existing Test

Effective Date	6/4/2024
Name	Immunoglobulin G (IgG) Subclasses 1 + 2
Code	IGS12
Interface Order Code	3003980
Legacy Code	IGGS12
Notes	Update to stability.

Required Testing Changes

Stability	Room temperature: Undetermined Refrigerated: 8 days Frozen: Undetermined
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Update Existing Test

Effective Date	6/4/2024
Name	Immunoglobulin G (IgG) Subclasses
Code	IGSUB
Interface Order Code	3004000
Legacy Code	IGGSUB
Notes	Update to stability.

Required Testing Changes

Stability	Room temperature: Undetermined Refrigerated: 8 days Frozen: Undetermined
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Update Existing Test	
Effective Date	7/1/2024
Name	Magnesium, RBC
Code	MGRBC
Interface Order Code	3700770
Legacy Code	MAGNRBC
Notes	Update to New York approval and performing laboratory.
Required Testing Changes	
New York Approval	New York DOH Approval Status: No
Performing Laboratory	Quest SJC

Update Existing Test	
Effective Date	5/28/2024
Name	MLH1 Promoter Methylation
Code	MLH1
Interface Order Code	3624180
Legacy Code	MLH1
Notes	Update to rejection criteria.
Required Testing Changes	
Rejection Criteria	Fixative other than 10 percent neutral buffered formalin, decalcified specimens (except in EDTA), less than 20 percent tumor.

Update Existing Test	
Effective Date	6/17/2024
Name	Pneumocystis jirovecii, Quan, Real-Time PCR
Code	PNJRP
Interface Order Code	3400816
Legacy Code	PNJRP
Notes	Update to New York approval and specimen requirements.
Required Testing Changes	
New York Approval	New York DOH Approval Status: No
Specimen Required	<i>Collect:</i> Bronchoalveolar Lavage (BAL) <i>Specimen Preparation:</i> Collect 1.0 mL bronchoalveolar lavage in a sterile leakproof container. Minimum Volume: 0.5 mL <i>Transport Temperature:</i> Refrigerated

Update Existing Test	
Effective Date	5/28/2024
Name	MGMT Promoter Methylation Det by ddPCR
Code	PRMET
Interface Order Code	3600217
Legacy Code	PRMET
Notes	Update to rejection criteria.
Required Testing Changes	
Rejection Criteria	Fixative other than 10 percent neutral buffered formalin, decalcified specimens (except in EDTA), less than 20 percent tumor.

Update Existing Test	
Effective Date	6/4/2024
Name	Osmolality, Serum
Code	SOSMQ
Interface Order Code	3424500
Legacy Code	SOSMQ
Notes	Update to specimen requirements and performing laboratory.
Required Testing Changes	
Specimen Required	<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> 0.5 mL <i>Transport Temperature:</i> Frozen
Performing Laboratory	Quest SJC

Update Existing Test	
Effective Date	6/17/2024
Name	Arsenic Urine Random
Code	UARSR
Interface Order Code	3705687
Legacy Code	UARSRSP
Notes	Update to New York approval and performing laboratory.
Required Testing Changes	
New York Approval	New York DOH Approval Status: No
Performing Laboratory	Quest SJC

Update Existing Test	
Effective Date	7/1/2024
Name	Bismuth, Random Urine w/Creatinine
Code	UBISR
Interface Order Code	3724520
Legacy Code	UBISR
Notes	Update to New York approval and performing laboratory.
Required Testing Changes	
New York Approval	New York DOH Approval Status: No
Performing Laboratory	Quest SJC

Update Existing Test	
Effective Date	6/17/2024
Name	Heavy Metals - Urine Random
Code	UHVMR
Interface Order Code	3708165
Legacy Code	UHVYMTSP
Notes	Update to New York approval and performing laboratory.
Required Testing Changes	
New York Approval	New York DOH Approval Status: No
Performing Laboratory	Quest SJC

Update Existing Test	
Effective Date	6/4/2024
Name	Legionella Urinary Antigen
Code	ULEGA
Interface Order Code	3002030
Legacy Code	ULEGAG
Notes	Update to stability and turnaround time.
Required Testing Changes	
Stability	Room temperature: 24 hours Refrigerated: 14 days Frozen: Undetermined
Turnaround Time	1 - 3 days

Update Existing Test

Effective Date	6/4/2024
Name	Osmolality (U)
Code	UOSMQ
Interface Order Code	3424540
Legacy Code	UOSMQ
Notes	Update to specimen requirements and performing laboratory.

Required Testing Changes

Specimen Required	<i>Collect:</i> Random urine <i>Specimen Preparation:</i> Send 2.0 mL urine in a screw capped plastic container. <i>Minimum Volume:</i> 0.5 mL <i>Transport Temperature:</i> Frozen
Performing Laboratory	Quest SJC

Update Existing Test

Effective Date	6/3/2024
Name	Vitamin B2 (Riboflavin), Plasma
Code	VB2
Interface Order Code	3422140
Legacy Code	VB2Q
Notes	Update to performing laboratory.

Required Testing Changes

Performing Laboratory	Quest SJC
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Update Existing Test

Effective Date	6/3/2024
Name	Vitamin B5 (Pantothenic Acid)
Code	VB5
Interface Order Code	3719380
Legacy Code	VB5SP
Notes	Update to performing laboratory.

Required Testing Changes

Performing Laboratory	Quest SJC
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Update Existing Test	
Effective Date	6/17/2024
Name	Tropheryma whipplei DNA (PCR), Qual
Code	WHIPP
Interface Order Code	3803710
Legacy Code	WHIPPLE
Notes	Update to New York approval, specimen requirements, alternate specimen, rejection criteria, and stability.
Required Testing Changes	
New York Approval	New York DOH Approval Status: No
Specimen Required	Collect: Tissue Specimen Preparation: Send 3 mm (fresh) tissue in a sterile leak proof container. Minimum Volume: Tissue: 3 mm; All others: 0.3 mL Transport Temperature: Frozen: Tissue; Refrigerate: All others
Alternate Specimen	0.7 mL CSF, 0.7 mL EDTA Lavender whole blood, 0.7 mL Synovial fluid
Rejection Criteria	ACD (Yellow Top)
Stability	Tissue/Synovial Fluid Room temperature: Unacceptable Refrigerated: 7 days Frozen: 30 days Whole blood/CSF: Room temperature: 48 hours Refrigerated: 7 days Frozen: 30 days

Update Existing Test	
Effective Date	6/4/2024
Name	West Nile Virus Antibody, IgG
Code	WNVG
Interface Order Code	3016010
Legacy Code	WNVG
Notes	Update to rejection criteria, stability, and performed days.
Required Testing Changes	
Rejection Criteria	Grossly hemolyzed, icteric, or lipemic specimens, plasma, heat-inactivated samples.
Stability	Room temperature: 8 hours Refrigerated: 48 hours Frozen: Undetermined
Performed Days	Thursday

Update Existing Test	
Effective Date	6/4/2024
Name	West Nile Virus IgG/IgM Abs
Code	WNVGM
Interface Order Code	3016000
Legacy Code	WNVGM
Notes	Update to rejection criteria, stability, and performed days.
Required Testing Changes	
Rejection Criteria	Grossly hemolyzed, icteric , or lipemic specimens, plasma, heat-inactivated samples .
Stability	Room temperature: 8 hours Refrigerated: 48 hours Frozen: Undetermined
Performed Days	Thursday

Update Existing Test	
Effective Date	6/4/2024
Name	West Nile Virus Antibody, IgM
Code	WNVM
Interface Order Code	3016020
Legacy Code	WNVM
Notes	Update to rejection criteria, stability, and performed days.
Required Testing Changes	
Rejection Criteria	Grossly hemolyzed, icteric , or lipemic specimens, plasma, heat-inactivated samples .
Stability	Room temperature: 8 hours Refrigerated: 48 hours Frozen: Undetermined
Performed Days	Thursday

Inactivate Test With Replacement			
Effective Date	7/1/2024		
Inactivated Test			
Name	Bismuth, 24 Hour Urine		
Code	BIS24		
Legacy Code	BIS24		
Interface Order Code	3700534		
Replacement Test			
Name	Bismuth, 24 Hour Urine		
Code	BISMU		
CPT Code(s)	83018		
Notes	New York DOH Approval Status: No		
Specimen Requirements			
Specimen Required	<p><i>Patient Preparation:</i> Avoid taking mineral supplements and bismuth preparations such as Pepto-Bismol™ for at least 1 week prior to collection.</p> <p><i>Collect:</i> 24 hour urine in an acid washed container.</p> <p><i>Specimen Preparation:</i> Collect 24 hour urine in an acid washed 24 hour urine container. Mix well and send 7.0 mL urine refrigerated in a screw capped acid-washed container.</p> <p><i>Minimum Volume:</i> 3.0 mL</p> <p><i>Transport Temperature:</i> Refrigerated</p>		
Stability	<p>Room temperature: 48 hours</p> <p>Refrigerated: 5 days</p> <p>Frozen: 14 days</p>		
Performing Information			
Methodology	Inductively Coupled Plasma/Mass Spectrometry		
Reference Range	<21 mcg/L		
Performed Days	Tuesday, Thursday, Saturday		
Turnaround Time	4 - 6 days		
Performing Laboratory	Quest SJC		
Interface Information			
Legacy Code	BISMU		
Interface Order Code	3400957		
Result Code	Name	LOINC Code	AOE/Prompt
3400958	Total Volume		Yes
3400959	Bismuth, 24 Hour Urine		No



LABORATORY REPORT

Example Client, XYZ123
1234 Warde Road
Ann Arbor MI 48108

EXAMPLE, REPORT W
WX0000003827 M 07/08/1978 45 Y

Referral Testing

Collected: 05/15/2024 15:39 Received: 05/15/2024 15:39

Table with 6 columns: Test Name, Result, Flag, Ref-Ranges, Units, Site. Row 1: Bismuth, 24 Hour Urine. Row 2: Total Volume 1500. Row 3: Bismuth, 24 Hour Urine 19.5 <21.0 mcg/L QCRL

(Note)
This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. It has not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

MDF
med fusion
2501 South State Highway 121, Suite 1100
Lewisville TX 75067
972-966-7300
Ithiel James L. Frame, MD, PhD
Test Performed at:
MedFusion
2501 South State Highway 121, Suite 1100

Reported Date: 05/15/2024 15:39 BISMU

Performing 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

Inactivate Test With Replacement			
Effective Date	6/10/2024		
Inactivated Test			
Name	Omega-3 and -6 Fatty Acids		
Code	OM3FA		
Legacy Code	OM3FA		
Interface Order Code	3434900		
Replacement Test			
Name	OmegaCheck		
Code	OMEGC		
CPT Code(s)	82542		
Notes	New York DOH Approval Status: Yes		
Specimen Requirements			
Specimen Required	<i>Patient Preparation:</i> Overnight fasting is preferred but not required. <i>Collect:</i> Lavender EDTA <i>Specimen Preparation:</i> Send 0.5 mL whole blood. Gently invert tube 8-10 times immediately after draw. DO NOT SHAKE. <i>Minimum Volume:</i> 0.1 mL <i>Transport Temperature:</i> Refrigerated		
Rejection Criteria	Plasma, serum, heparinized whole blood, lipemia		
Stability	Room temperature: 70 days Refrigerated: 70 days Frozen (-20°C): Unacceptable Frozen (-70°C): 10 weeks		
Performing Information			
Methodology	Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)		
Reference Range	See report		
Performed Days	Monday - Saturday		
Turnaround Time	5 - 7 days		
Performing Laboratory	Quest SJC		
Interface Information			
Legacy Code	OMEGC		
Interface Order Code	3400931		
Result Code	Name	LOINC Code	AOE/Prompt
3400932	EPA DPA DHA	90908-5	No
3400933	Arachidonic Acid/EPA Ratio	90909-3	No
3400934	Omega 6/Omega 3 Ratio	90910-1	No
3400936	Omega 3 total	90911-9	No
3400937	EPA	90912-7	No
3400938	DPA	90913-5	No
3400939	DHA	90914-3	No
3400941	Omega 6 total	90915-0	No
3400942	Arachidonic Acid	90916-8	No
3400943	Linoleic Acid	90917-6	No



LABORATORY REPORT

Example Client, XYZ123
1234 Warde Road
Ann Arbor MI 48108

EXAMPLE, REPORT W
WX0000003826 F 12/05/1988 35 Y

Referral Testing

Collected: 05/15/2024 15:36 Received: 05/15/2024 15:36

Table with 6 columns: Test Name, Result, Flag, Ref-Ranges, Units, Site. Row 1: OmegaCheck, EPA+DPA+DHA, 6.0, % by wt, QCRL

Increasing blood levels of long-chain n-3 fatty acids are associated with a lower risk of sudden cardiac death (1). Based on the top (75th percentile) and bottom (25th percentile) quartiles of the CHL reference population, the following risk categories were established for OmegaCheck: A cut-off of >=5.5% by wt defines a population at low relative risk, 3.8-5.4% by wt defines a population at moderate relative risk, and <=3.7% by wt defines a population at high relative risk of sudden cardiac death. The totality of the scientific evidence demonstrates that when consumption of fish oils is limited to 3 g/day or less of EPA and DHA, there is no significant risk for increased bleeding time beyond the normal range. A daily dosage of 1 gram of EPA and DHA lowers the circulating triglycerides by about 7-10% within 2 to 3 weeks. (Reference: 1-Albert et al. NEJM. 2002; 346: 1113-1118). This test is performed by a Liquid Chromatography-Tandem Mass Spectrometry (LC/MS/MS) method. This test was developed and its performance characteristics determined by the Cleveland HeartLab, Inc. It has not been cleared or approved by the U.S. FDA. The Cleveland HeartLab, Inc. is regulated under Clinical Laboratory Improvement Amendments (CLIA) as qualified to perform high-complexity testing. This test is used for clinical purposes. It should not be regarded as investigational or for research.

Table with 6 columns: Test Name, Result, Flag, Ref-Ranges, Units, Site. Rows include Arachidonic Acid/EPA Ratio (6.6), Omega 6/Omega 3 Ratio (5.3), Omega 3 total (6.0), EPA (1.6), DPA (1.2), DHA (3.2), Omega 6 total (43.1), Arachidonic Acid (10.5), Linoleic Acid (21.6)

Test Performed at:
Cleveland HeartLab, Inc
6701 Carnegie Avenue Suite 500

Reported Date: 05/15/2024 15:37 OMEGC

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 W
WX0000003826 F 12/05/1988 35 Y

Performing 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

G11500009
WX0000003826

Ordered By: KAJAL SITWALA, MD, PHD
WX00000000002353

Printed D&T: 05/15/24 15:38

Kajal V. Sitwala, MD, PhD - Medical Director

Form: MM RL1

PAGE 2 OF 2

Inactivate Test With Replacement			
Effective Date	6/17/2024		
Inactivated Test			
Name	Arsenic 24 Hour Urine		
Code	UARS		
Legacy Code	UARSSP		
Interface Order Code	3705670		
Replacement Test			
Name	Arsenic, 24 Hour Urine		
Code	UARSN		
CPT Code(s)	82175		
Notes	New York DOH Approval Status: No		
Specimen Requirements			
Specimen Required	<p><i>Patient Preparation:</i> Avoid seafood consumption for 48 hours prior to collection. <i>Collect:</i> 24 hour urine in acid-washed or metal-free container <i>Specimen Preparation:</i> Collect 24 hour urine in acid washed container. Mix well and send 7.0 mL urine frozen in acid washed screw capped plastic container. Record total volume on specimen container and test requisition. Call lab for collection container. A complete heavy metal form must accompany sample. Tests performed on a specimen submitted in a non-trace element tube or non acid washed/non metal free container may not accurately reflect the patients level. If a non-trace element tube/container is received, it will be accepted for testing. However, elevated results shall be reported with a message that a re-submission with a trace element tube/container is recommended. <i>Minimum Volume:</i> 3.0 mL <i>Transport Temperature:</i> Frozen</p>		
Rejection Criteria	Sample acidified with HCl		
Stability	Room temperature: 48 hours Refrigerated: 5 days Frozen: 14 days		
Performing Information			
Methodology	Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)		
Reference Range	<80 mcg/L		
Performed Days	Tuesday, Thursday, Saturday		
Turnaround Time	3 - 6 days		
Performing Laboratory	Quest SJC		
Interface Information			
Legacy Code	UARSN		
Interface Order Code	3400944		
Result Code	Name	LOINC Code	AOE/Prompt
3400946	Total Volume		Yes
3400948	Arsenic, 24 Hour Urine		No



LABORATORY REPORT

Example Client, XYZ123
1234 Warde Road
Ann Arbor MI 48108

EXAMPLE, REPORT W
WX0000003826 F 12/05/1988 35 Y

Referral Testing

Collected: 05/15/2024 15:40 Received: 05/15/2024 15:40

Table with 6 columns: Test Name, Result, Flag, Ref-Ranges, Units, Site. Row 1: Arsenic, 24 Hour Urine. Row 2: Total Volume 1650. Row 3: Arsenic, 24 Hour Urine 13 <81 mcg/L.

(Note)
This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. It has not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

MDF
med fusion
2501 South State Highway 121, Suite 1100
Lewisville TX 75067
972-966-7300
Ithiel James L. Frame, MD, PhD
Test Performed at:
MedFusion
2501 South State Highway 121, Suite 1100

Reported Date: 05/15/2024 15:41 UARSN

Performing 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

Inactivate Test With Replacement			
Effective Date	6/17/2024		
Inactivated Test			
Name	Heavy Metal Scrn 24hr Urine		
Code	UHMT		
Legacy Code	UHVYMT		
Interface Order Code	3700645		
Replacement Test			
Name	Heavy Metals Panel, 24 Hour Urine		
Code	URHMT		
CPT Code(s)	82175, 83655, 83825		
Notes	New York DOH Approval Status: No		
Specimen Requirements			
Specimen Required	<p><i>Patient Preparation:</i> Avoid seafood consumption for 48 hours prior to collection. Avoid worksite collection.</p> <p><i>Collect:</i> 24 hour urine</p> <p><i>Specimen Preparation:</i> Mix well and send 7.0 mL urine refrigerated in acid washed screw capped plastic container. Record total volume on specimen container and test requisition. Call lab for collection container. A complete heavy metal form must accompany sample. Tests performed on a specimen submitted in a non-trace element tube or non acid washed/non metal free container may not accurately reflect the patients level. If a non-trace element tube/container is received, it will be accepted for testing. However, elevated results shall be reported with a message that a re-submission with a trace element tube/container is recommended.</p> <p><i>Minimum Volume:</i> 3.0 mL</p> <p><i>Transport Temperature:</i> Refrigerated</p>		
Stability	Room temperature: 48 hours Refrigerated: 5 days Frozen: 14 days		
Performing Information			
Methodology	Inductively Coupled Plasma/Mass Spectrometry		
Reference Range	Arsenic: <80 mcg/L Lead: <80 mcg/L Mercury: <20 mcg/L		
Performed Days	Tuesday, Thursday, Saturday		
Turnaround Time	3 - 6 days		
Performing Laboratory	Quest SJC		
Interface Information			
Legacy Code	URHMT		
Interface Order Code	3400949		
Result Code	Name	LOINC Code	AOE/Prompt
3400951	Total Volume		Yes
3400953	Arsenic, 24 Hour Urine		No
3400954	Lead, 24 Hour Urine		No
3400956	Mercury, 24 Hour Urine		No



LABORATORY REPORT

Example Client, XYZ123
1234 Warde Road
Ann Arbor MI 48108

EXAMPLE, REPORT W
WX0000003827 M 07/08/1978 45 Y

Referral Testing

Collected: 05/15/2024 15:42 Received: 05/15/2024 15:42

Table with 6 columns: Test Name, Result, Flag, Ref-Ranges, Units, Site. Row 1: Heavy Metals Panel, 24 Hour Urine. Row 2: Total Volume 1700. Row 3: Arsenic, 24 Hour Urine 12 <81 mcg/mL QCRL

Test Performed at:
MedFusion
2501 South State Highway 121, Suite 1100

Table with 6 columns: Test Name, Result, Flag, Ref-Ranges, Units, Site. Row 1: Lead, 24 Hour Urine 16 <80 mcg/L QCRL

Test Performed at:
MedFusion
2501 South State Highway 121, Suite 1100

Table with 6 columns: Test Name, Result, Flag, Ref-Ranges, Units, Site. Row 1: Mercury, 24 Hour Urine 17 <21 mcg/L QCRL

Reference Range: < or = 20 mcg/L
Toxic: > or = 150 mcg/L

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MDF
med fusion
2501 South State Highway 121, Suite 1100
Lewisville TX 75067
972-966-7300
Ithiel James L. Frame, MD, PhD
Test Performed at:
MedFusion
2501 South State Highway 121, Suite 1100

Reported Date: 05/15/2024 15:42 URHMT

Performing 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

G11500012 Ordered By: KAJAL SITWALA, MD, PHD
WX0000003827 WX00000000002365
Printed D&T: 05/15/24 15:43

Kajal V. Sitwala, MD, PhD - Medical Director
Form: MM RL1
PAGE 1 OF 1

Inactivate Test Without Replacement	
Effective Date	6/25/2024
Name	Metro Air Panel
Code	MHAIR
Legacy Code	MHAIR
Interface Code	3069140
Notes	Test discontinued.

Inactivate Test Without Replacement	
Effective Date	6/25/2024
Name	Metro Grass/Weed Panel
Code	MHWG
Legacy Code	MHWG
Interface Code	3069170
Notes	Test discontinued.

Inactivate Test Without Replacement	
Effective Date	6/25/2024
Name	Metro Panel
Code	MHPAN
Legacy Code	MHPAN
Interface Code	3069180
Notes	Test discontinued.

Inactivate Test Without Replacement	
Effective Date	6/25/2024
Name	Metro Tree Panel
Code	MHTRE
Legacy Code	MHTREE
Interface Code	3069150
Notes	Test discontinued.

Inactivate Test Without Replacement	
Effective Date	6/25/2024
Name	Pediatric Food Panel AEL
Code	PFPA
Legacy Code	PFPAEL
Interface Code	3064210
Notes	Test discontinued.

Inactivate Test Without Replacement	
Effective Date	6/25/2024
Name	Food Panel PHH
Code	PHFDE
Legacy Code	PHFDE
Interface Code	3062700
Notes	Test discontinued.

Inactivate Test Without Replacement	
Effective Date	6/25/2024
Name	Standard Panel Part 1 PHH
Code	PHST1
Legacy Code	PHSTAND1
Interface Code	3062690
Notes	Test discontinued.

Inactivate Test Without Replacement	
Effective Date	6/25/2024
Name	Standard Panel Part 2 PHH
Code	PHST2
Legacy Code	PHST2
Interface Code	3062770
Notes	Test discontinued.

Inactivate Test Without Replacement	
Effective Date	6/25/2024
Name	Full Panel (Foote) Part 2
Code	RPF32
Legacy Code	RPFT3II
Interface Code	3064045
Notes	Test discontinued.

Inactivate Test Without Replacement	
Effective Date	6/25/2024
Name	Pediatric Panel (Foote)
Code	RPFT1
Legacy Code	RPFT1
Interface Code	3064000
Notes	Test discontinued.

Inactivate Test Without Replacement	
Effective Date	6/25/2024
Name	Full Panel (Foote) Part1
Code	RPFT3
Legacy Code	RPFT3I
Interface Code	3064040
Notes	Test discontinued.

Inactivate Test Without Replacement	
Effective Date	6/24/2024
Name	T Cell Rec Gamma Gene Rear PCR
Code	TCRGQ
Legacy Code	TCRGQ
Interface Code	3427200
Notes	Test discontinued.