

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB: 4/16/2018
Gender: Unknown
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Autism and Intellectual Disability Comprehensive Panel

ARUP test code 2014314

Creatinine, Urine 7 mg/dL

This urine specimen contains less than 10 mg/dL creatinine and may be too dilute for accurate testing. Repeat analysis on a more concentrated urine specimen is recommended if clinically indicated.

Alpha-amino butyric acid, Plasma	13 umol/L	(Ref Interval: <=40)
Alanine, Plasma	324 umol/L	(Ref Interval: 160-530)
Allo-isoleucine, Plasma	<2 umol/L	(Ref Interval: <=5)
Alpha-aminoadipic acid, Plasma	<2 umol/L	(Ref Interval: <=4)
Anserine, Plasma	<5 umol/L	(Ref Interval: <=5)
Arginine, Plasma	107 umol/L	(Ref Interval: 35-125)
Argininosuccinic Acid, Plasma	<2 umol/L	(Ref Interval: <=2)
Asparagine, Plasma	64 umol/L	(Ref Interval: 20-80)
Aspartic Acid, Plasma	<5 umol/L	(Ref Interval: <=15)

H=High, L=Low, *=Abnormal, C=Critical

Beta-amino isobutyric acid, Plasma	<5 umol/L	(Ref Interval: <=10)
Beta-alanine, Plasma	<25 umol/L	(Ref Interval: <=25)
Citrulline, Plasma	41 umol/L	(Ref Interval: 10-45)
Cystathionine, Plasma	<5 umol/L	(Ref Interval: <=5)
Cystine, Plasma	12 umol/L	(Ref Interval: 10-65)
Ethanolamine, Plasma	9 umol/L	(Ref Interval: <=15)
Gamma-amino butyric acid, Plasma	<5 umol/L	(Ref Interval: <=5)
Glutamic Acid, Plasma	55 umol/L	(Ref Interval: 15-130)
Glutamine, Plasma	564 umol/L	(Ref Interval: 380-680)
Glycine, Plasma	252 umol/L	(Ref Interval: 140-420)
Histidine, Plasma	93 umol/L	(Ref Interval: 50-130)
Homocitrulline, Plasma	<5 umol/L	(Ref Interval: <=5)
Homocystine, Plasma	<2 umol/L	(Ref Interval: <=2)
Hydroxylysine, Plasma	<5 umol/L	(Ref Interval: <=5)
Hydroxyproline, Plasma	16 umol/L	(Ref Interval: 5-40)
Isoleucine, Plasma	58 umol/L	(Ref Interval: 30-120)

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Leucine, Plasma	105 umol/L	(Ref Interval: 60-180)
Lysine, Plasma	150 umol/L	(Ref Interval: 85-230)
Methionine, Plasma	21 umol/L	(Ref Interval: 15-40)
Ornithine, Plasma	58 umol/L	(Ref Interval: 25-110)
Phenylalanine, Plasma	72 umol/L	(Ref Interval: 30-82)
Proline, Plasma	177 umol/L	(Ref Interval: 90-350)
Sarcosine, Plasma	<5 umol/L	(Ref Interval: <=5)
Serine, Plasma	144 umol/L	(Ref Interval: 60-170)
Taurine, Plasma	53 umol/L	(Ref Interval: 30-130)
Threonine, Plasma	130 umol/L	(Ref Interval: 60-190)
Tryptophan, Plasma	62 umol/L	(Ref Interval: 25-80)
Tyrosine, Plasma	104 umol/L	(Ref Interval: 35-110)
Valine, Plasma	216 umol/L	(Ref Interval: 120-320)
C2, Acetyl	3.76 umol/L	(Ref Interval: 3.69-24.71)
C3, Propionyl	0.42 umol/L	(Ref Interval: 0.00-0.97)
C4, Iso-/Butyryl	0.23 umol/L	(Ref Interval: 0.00-0.50)

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C5, Isovaleryl/2Mebutyryl	0.11 umol/L	(Ref Interval: 0.00-0.28)
C5-DC, Glutaryl	0.03 umol/L	(Ref Interval: 0.00-0.07)
C5-OH, 3-OH Isovaleryl	0.00 umol/L	(Ref Interval: 0.00-0.07)
C6, Hexanoyl	0.00 umol/L	(Ref Interval: 0.00-0.12)
C8, Octanoyl	0.07 umol/L	(Ref Interval: 0.00-0.23)
C8:1, Octenoyl	0.32 umol/L	(Ref Interval: 0.00-0.63)
C10, Decanoyl	0.07 umol/L	(Ref Interval: 0.00-0.35)
C10:1, Decenoyl	0.05 umol/L	(Ref Interval: 0.00-0.41)
C12, Dodecanoyl	0.03 umol/L	(Ref Interval: 0.00-0.12)
C12:1, Dodecenoyl	0.04 umol/L	(Ref Interval: 0.00-0.16)
C12-OH, 3-OH-Dodecanoyl	0.00 umol/L	(Ref Interval: 0.00-0.02)
C14, Tetradecanoyl	0.03 umol/L	(Ref Interval: 0.00-0.07)
C14:1, Tetradecenoyl	0.04 umol/L	(Ref Interval: 0.00-0.23)
C14:2, Tetradecadienoyl	0.02 umol/L	(Ref Interval: 0.00-0.12)
C14-OH, 3-OH-Tetradecanoyl	0.00 umol/L	(Ref Interval: 0.00-0.02)
C14:1-OH, 3-OH-Tetradecenoyl	0.00 umol/L	(Ref Interval: 0.00-0.03)

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C16, Palmitoyl	0.05 umol/L	(Ref Interval: 0.00-0.10)
C16:1, Palmitoleyl	0.00 umol/L	(Ref Interval: 0.00-0.05)
C16-OH, 3-OH-Palmitoyl	0.00 umol/L	(Ref Interval: 0.00-0.01)
C16:1-OH, 3-OH-Palmitoleyl	0.00 umol/L	(Ref Interval: 0.00-0.01)
C18, Stearoyl	0.00 umol/L	(Ref Interval: 0.00-0.05)
C18:1, Oleyl	0.08 umol/L	(Ref Interval: 0.00-0.16)
C18:2, Linoleyl	0.02 umol/L	(Ref Interval: 0.00-0.08)
C18-OH, 3-OH-Stearoyl	0.00 umol/L	(Ref Interval: 0.00-0.01)
C18:1-OH, 3-OH-Oleyl	0.01 umol/L	(Ref Interval: 0.00-0.01)
C18:2-OH, 3-OH-Linoleyl	0.00 umol/L	(Ref Interval: 0.00-0.01)
Mucopolysaccharides mg/mmol CRT	11.2	(Ref Interval: 5.4-30.8)
<p>This urine specimen contains less than 10 mg/dL creatinine and may be too dilute for accurate testing. Repeat analysis on a more concentrated urine specimen is recommended if clinically indicated.</p> <p>REFERENCE INTERVAL: Mucopolysaccharides mg/mmol CRT</p> <p>Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).</p> <p>Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS</p>		
Lactic Acid, Urine	44	(Ref Interval: 0-150)
Pyruvic Acid, Urine	30	(Ref Interval: 0-30)

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Succinic Acid, Urine	9	(Ref Interval: 0-80)
Fumaric Acid, Urine	1	(Ref Interval: 0-10)
2-Ketoglutaric Acid, Urine	33	(Ref Interval: 0-120)
Methylmalonic Acid, Urine	4	(Ref Interval: 0-5)
3-OH-Butyric Acid, Urine	3	(Ref Interval: 0-4)
Acetoacetic Acid, Urine	1	(Ref Interval: 0-4)
2-Keto-3-methylvaleric Acid, Urine	2	(Ref Interval: 0-10)
2-Ketoisocaproic Acid, Urine	1	(Ref Interval: 0-4)
2-Ketoisovaleric Acid, Urine	1	(Ref Interval: 0-4)
Ethylmalonic Acid, Urine	3	(Ref Interval: 0-15)
Adipic Acid, Urine	3	(Ref Interval: 0-35)
Suberic Acid, Urine	5	(Ref Interval: 0-10)
Sebacic Acid, Urine	Not Detected	(Ref Interval: 0-3)
4-OH-phenylacetic Acid, Urine	29	(Ref Interval: 0-100)
4-OH-phenyllactic Acid, Urine	2	(Ref Interval: 0-4)
4-OH-phenylpyruvic Acid, Urine	2	(Ref Interval: 0-2)

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Succinylacetone, Urine	Not Detected	(Ref Interval: 0-0)
Creatine, Urine	427 mmol/mol CRT	(Ref Interval: 23-1500)
	Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS	
Guanidinoacetic acid, Urine	95 mmol/mol CRT	(Ref Interval: 45-250)
Creatinine, Urine	644.9 umol/L	
Creatine, Serum/Plasma	56.7 umol/L	(Ref Interval: 37.0-117.0)
Guanidinoacetic acid, Serum/Plasma	1.55 umol/L	(Ref Interval: 0.50-1.80)
FRAG X Specimen	whole blood	
Fragile X Allele 1	29 CGG repeats	
Fragile X Allele 2	23 CGG repeats	
Fragile X Methylation Pattern	Not Applicable	
Fragile X Interpretation	See Note	
	<p>This individual has two FMR1 alleles with CGG sizes in the normal range; therefore, she is predicted to be neither affected with, nor a carrier of, fragile X syndrome (FXS). This test does not detect rare FMR1 variants causing less than 1% of FXS.</p> <p>This result has been reviewed and approved by Sherin Shaaban, M.D., Ph.D.</p>	

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BACKGROUND INFORMATION: Fragile X (FMR1) with Reflex to Methylation Analysis

CHARACTERISTICS OF FRAGILE X SYNDROME (FXS): Affected males have moderate intellectual disability, hyperactivity, perseverative speech, social anxiety, poor eye contact, hand flapping or biting, autism spectrum disorders and connective tissue anomalies in males. Females are usually less severely affected than males. FXS is caused by FMR1 full mutations.

CHARACTERISTICS OF FRAGILE X TREMOR ATAXIA SYNDROME (FXTAS): Onset of progressive ataxia and intention tremor typically after the fourth decade of life. Females also have a 21 percent risk for primary ovarian insufficiency. FXTAS is caused by FMR1 premutations.

Incidence of FXS: 1 in 4,000 Caucasian males and 1 in 8,000 Caucasian females.

INHERITANCE: X-linked.

PENETRANCE OF FXS: Complete in males; 50 percent in females.

PENETRANCE OF FXTAS: 47 percent in males and 17 percent in females >50 years of age.

CAUSE: Expansion of the FMR1 gene CGG triplet repeat.

- Full mutation: typically >200 CGG repeats (methylated).
- Premutation: 55 to approx 200 CGG repeats (unmethylated).
- Intermediate: 45-54 CGG repeats (unmethylated).
- Normal: 5-44 CGG repeats (unmethylated).

CLINICAL SENSITIVITY: 99 percent.

METHODOLOGY: Triplet repeat-primed polymerase chain reaction (PCR) followed by size analysis using capillary electrophoresis. Methylation-specific PCR analysis is performed for CGG repeat lengths of >100 to distinguish between premutation and full mutation alleles.

ANALYTICAL SENSITIVITY AND SPECIFICITY: 99 percent; estimated precision of sizing for intermediate and premutation alleles is within 2-3 CGG repeats.

LIMITATIONS: Diagnostic errors can occur due to rare sequence variations. Rare FMR1 variants unrelated to trinucleotide expansion will not be detected. A specific CGG repeat size estimate is not provided for full mutation alleles. AGG trinucleotide interruptions within the FMR1 CGG repeat tract are not assessed.

PHENOTYPE	NUMBER OF CGG REPEATS
Unaffected	<45
Intermediate	45-54
Premutation	55-200
Affected	>200

See Compliance Statement C: www.aruplab.com/CS

Cytogenomic SNP Microarray

Normal (Ref Interval: Normal)

INTERPRETIVE INFORMATION: CYTOGENOMIC SNP MICROARRAY

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement C: aruplab.com/CS

EER Cytogenomic SNP Microarray

EERUnavailable

Autism/Intellectual Interp

See Note

No metabolic abnormalities identifiable by this panel were detected. Genetic evaluation is recommended to assess the need for additional testing to exclude other rare metabolic disorders associated with autism and/or intellectual disability.

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INTERPRETIVE INFORMATION: Autism and Intellectual Disability Comprehensive Panel
 MPS Screen, Urine: Mucopolysaccharides (Glycosaminoglycans) include: Keratan Sulfate, Heparan Sulfate, Dermatan Sulfate, and Chondroitin Sulfates 4 and 6. The excretion of Heparan Sulfate is variable. A normal mucopolysaccharides screen does not exclude Sanfilippo Syndrome (Mucopolysaccharidosis Type III).

Organic Acids, Urine: Results are reported in mmol/mol creatinine.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Creatinine, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Alpha-amino butyric acid, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Alanine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Allo-isoleucine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Alpha-aminoadipic acid, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Anserine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arginine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Argininosuccinic Acid, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Asparagine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Aspartic Acid, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Beta-amino isobutyric acid, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Beta-alanine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Citrulline, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cystathionine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cystine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Ethanolamine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Gamma-amino butyric acid, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Glutamic Acid, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Glutamine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Glycine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Histidine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Homocitrulline, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Homocystine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Hydroxylysine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Hydroxyproline, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Isoleucine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Leucine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

H=High, L=Low, *=Abnormal, C=Critical

Lysine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Methionine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Ornithine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Phenylalanine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Proline, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Sarcosine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Serine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Taurine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Threonine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Tryptophan, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Tyrosine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Valine, Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C2, Acetyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C3, Propionyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C4, Iso-/Butyryl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C5, Isovaleryl/2Mebutyryl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C5-DC, Glutaryl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C5-OH, 3-OH Isovaleryl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C6, Hexanoyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C8, Octanoyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C8:1, Octenoyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C10, Decanoyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C10:1, Decenoyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C12, Dodecanoyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C12:1, Dodecenoyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C12-OH, 3-OH-Dodecanoyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C14, Tetradecanoyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C14:1, Tetradecenoyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C14:2, Tetradecadienoyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C14-OH, 3-OH-Tetradecanoyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C14:1-OH, 3-OH-Tetradecenoyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C16, Palmitoyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C16:1, Palmitoleyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C16-OH, 3-OH-Palmitoyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C16:1-OH, 3-OH-Palmitoleyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C18, Stearoyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C18:1, Oleyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C18:2, Linoleyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C18-OH, 3-OH-Stearoyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C18:1-OH, 3-OH-Oleyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C18:2-OH, 3-OH-Linoleyl	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Mucopolysaccharides mg/mmol CRT	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

H=High, L=Low, *=Abnormal, C=Critical

Lactic Acid, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Pyruvic Acid, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Succinic Acid, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Fumaric Acid, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
2-Ketoglutaric Acid, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Methylmalonic Acid, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
3-OH-Butyric Acid, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Acetoacetic Acid, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
2-Keto-3-methylvaleric Acid, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
2-Ketoisocaproic Acid, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
2-Ketoisovaleric Acid, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Ethylmalonic Acid, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Adipic Acid, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Suberic Acid, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Sebacic Acid, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
4-OH-phenylacetic Acid, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
4-OH-phenyllactic Acid, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
4-OH-phenylpyruvic Acid, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Succinylacetone, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Creatine, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Guanidinoacetic acid, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Creatinine, Urine	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Creatine, Serum/Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Guanidinoacetic acid, Serum/Plasma	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
FRAG X Specimen	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Fragile X Allele 1	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Fragile X Allele 2	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Fragile X Methylation Pattern	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Fragile X Interpretation	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cytogenomic SNP Microarray	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
EER Cytogenomic SNP Microarray	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Autism/Intellectual Interp	20-106-110901	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical