

Ordered By

Physician Name: Physician, Test

Reason for Referral: hyperammonemia

Patient Name: Test, PAA

Accession #: R5002

Specimen #: X5002

Specimen: Plasma

Birthdate: 08/06/2019

Age: 0

Gender: Male

MRN #: 118911981

Collected: 08/04/2020

Ethnicity: Caucasian

Received: 08/05/2020

Plasma Amino Acid Analysis - Quantitative
RESULTS

ANALYTE	REFERENCE RANGE*	RESULT*	FLAG
Alanine	126-487	1	L
Alloisoleucine	0-2	2	
Alpha-aminoadipate	0-3	3	
Alpha-amino-n-butyrate	5-30	4	L
Arginine	27-137	5	L
Argininosuccinate	0-3	6	H
Asparagine	28-96	7	L
Aspartate	2-17	8	
Citrulline	10-43	9	L
Creatine	10-110	10	
Creatinine	17-54	11.0	L
Glutamate	29-199	12	L
Glutamine	298-900	13	L
Glycine	116-396	14	L
Guanidinoacetate	0.4-3.6	15.0	H
Histidine	27-111	16	L
Homocitrulline	0-3	17	H

ANALYTE	REFERENCE RANGE*	RESULT*	FLAG
Homocystine	0-0.4	18.0	H
Hydroxyproline	9-66	19	
Isoleucine	28-116	20	L
Leucine	50-196	21	L
Lysine	60-242	22	L
Methionine	11-44	23	
Ornithine	23-131	24	
Phenylalanine	29-92	25	L
Pipecolate	0-9	26.0	H
Proline	82-331	27	L
Sarcosine	0-5	28	H
Serine	67-238	29	L
Taurine	34-158	30	L
Threonine	50-250	31	L
Tryptophan	20-85	32	
Tyrosine	26-128	33	
Valine	84-323	34	L

*Values in micromols/L

INTERPRETATION

Mock Report

ASSAY INFORMATION

Method

Liquid chromatography tandem mass spectrometry (LC-MS/MS)

Limitations/Disclaimer

False negative results can occur in rare situations when diet and/or clinical condition masks or normalizes disease relevant analyte perturbations. In addition, false negatives may occur when disease presentation is intermittent or the result of a mild defect. Results should always be viewed in the context of clinical presentation and concurrent laboratory studies.

This test was developed and its performance characteristics determined by Indiana University Biochemical Genetics Laboratory. It has not been cleared or approved by the U.S. Food and Drug Administration. This test is used for clinical purposes. It should not be regarded as investigational or for research. The laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA '88) as qualified to perform high complexity clinical laboratory testing. CLIA# 15D0647198 • CAP# 1678930

ELECTRONICALLY SIGNED BY

Marcus J. Miller, Director of the Biochemical Genetics Laboratory, 08/05/2020

Handwritten signature of Marcus J. Miller in black ink.

IU Genetic Testing Laboratories

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