

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 12/24/1957
Gender: Female
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Amino Acids Quantitative by LC-MS/MS, Urine

ARUP test code 2009419

Creatinine, Urine 118 mg/dL

Amino Acids, Urine Interpretation

See Note

Generalized aminoaciduria could reflect impaired renal tubular function. Would repeat this study and evaluate plasma amino acids. Clinical correlation is necessary for further interpretation of this result.

REFERENCE INTERVAL: Amino Acids, Urine Interpretation

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

Alpha-amino butyric acid, Urine <10 umol/g CRT (Ref Interval: <=25)

Alpha-aminoadipic acid, Urine 27 umol/g CRT (Ref Interval: <=100)

Alanine, Urine **511 umol/g CRT H** (Ref Interval: 60-500)

Anserine, Urine <25 umol/g CRT (Ref Interval: <=250)

Arginine, Urine 29 umol/g CRT (Ref Interval: <=100)

Argininosuccinic Acid, Urine <10 umol/g CRT (Ref Interval: <=40)

Asparagine, Urine 121 umol/g CRT (Ref Interval: 25-180)

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

Unless otherwise indicated, testing performed at:

Aspartic Acid, Urine	500 umol/g CRT	H	(Ref Interval: <=25)
Beta-amino isobutyric acid, Urine	116 umol/g CRT		(Ref Interval: <=1200)
Beta-alanine Urine	<125 umol/g CRT		(Ref Interval: <=125)
Citrulline, Urine	11 umol/g CRT		(Ref Interval: <=15)
Cystathionine, Urine	<25 umol/g CRT		(Ref Interval: <=60)
Cystine, Urine	30 umol/g CRT		(Ref Interval: <=150)
Ethanolamine, Urine	325 umol/g CRT		(Ref Interval: 100-510)
Gamma-amino butyric acid, Urine	<25 umol/g CRT		(Ref Interval: <=25)
Glutamic Acid, Urine	103 umol/g CRT	H	(Ref Interval: <=52)
Glutamine, Urine	180 umol/g CRT		(Ref Interval: 100-665)
Glycine, Urine	1361 umol/g CRT		(Ref Interval: 230-3510)
Histidine, Urine	390 umol/g CRT		(Ref Interval: 80-1130)
Homocitrulline, Urine	<25 umol/g CRT		(Ref Interval: <=40)
Hydroxylysine, Urine	<25 umol/g CRT		(Ref Interval: <=30)
Hydroxyproline, Urine	<10 umol/g CRT		(Ref Interval: <=30)
Isoleucine, Urine	35 umol/g CRT		(Ref Interval: <=45)

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

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 23-018-138391
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Page 2 of 5 | Printed: 1/25/2023 2:08:43 PM
4848

Leucine, Urine	280 umol/g CRT	H	(Ref Interval: <=45)
Lysine, Urine	223 umol/g CRT		(Ref Interval: <=355)
Methionine, Urine	49 umol/g CRT	H	(Ref Interval: <=20)
Ornithine, Urine	777 umol/g CRT	H	(Ref Interval: <=30)
Phenylalanine, Urine	231 umol/g CRT	H	(Ref Interval: 15-85)
Proline, Urine	145 umol/g CRT	H	(Ref Interval: <=35)
Sarcosine, Urine	<25 umol/g CRT		(Ref Interval: <=25)
Serine, Urine	1627 umol/g CRT	H	(Ref Interval: 90-470)
Taurine, Urine	93 umol/g CRT		(Ref Interval: <=3200)
Threonine, Urine	382 umol/g CRT	H	(Ref Interval: 25-250)
Tryptophan, Urine	93 umol/g CRT		(Ref Interval: 15-95)
Tyrosine, Urine	352 umol/g CRT	H	(Ref Interval: 15-150)
Valine, Urine	391 umol/g CRT	H	(Ref Interval: <=55)

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

Unless otherwise indicated, testing performed at:

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Creatinine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Amino Acids, Urine Interpretation	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Alpha-amino butyric acid, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Alpha-aminoadipic acid, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Alanine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Anserine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arginine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Argininosuccinic Acid, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Asparagine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Aspartic Acid, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Beta-amino isobutyric acid, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Beta-alanine Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Citrulline, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cystathionine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cystine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Ethanolamine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Gamma-amino butyric acid, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Glutamic Acid, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Glutamine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Glycine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Histidine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Homocitrulline, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Hydroxylysine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Hydroxyproline, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Isoleucine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Leucine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Lysine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Methionine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Ornithine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Phenylalanine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Proline, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Sarcosine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Serine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Taurine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Threonine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Tryptophan, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Tyrosine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Valine, Urine	23-018-138391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

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

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 23-018-138391
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Page 4 of 5 | Printed: 1/25/2023 2:08:43 PM
4848

END OF CHART

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

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 23-018-138391
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Page 5 of 5 | Printed: 1/25/2023 2:08:43 PM
4848