

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 8/12/2016
Gender: Female
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Amino Acids Quantitative by LC-MS/MS, Plasma

ARUP test code 2009389

Amino Acids, Plasma Interpretation

See Note

Mildly elevated plasma methionine and low concentration of several other amino acids could reflect impaired hepatocellular function and low protein intake. Clinical correlation is necessary for further interpretation of this result.

REFERENCE INTERVAL: Amino Acids, Plasma 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, Plasma	12 umol/L		(Ref Interval: <=40)
Alanine, Plasma	133 umol/L	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	10 umol/L	H	(Ref Interval: <=5)
Arginine, Plasma	90 umol/L		(Ref Interval: 35-125)
Argininosuccinic Acid, Plasma	<2 umol/L		(Ref Interval: <=2)
Asparagine, Plasma	61 umol/L		(Ref Interval: 20-80)

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

Aspartic Acid, Plasma	<5 umol/L	(Ref Interval: <=15)
Beta-amino isobutyric acid, Plasma	<5 umol/L	(Ref Interval: <=10)
Beta-alanine, Plasma	<25 umol/L	(Ref Interval: <=25)
Citrulline, Plasma	29 umol/L	(Ref Interval: 10-45)
Cystathionine, Plasma	<5 umol/L	(Ref Interval: <=5)
Cystine, Plasma	36 umol/L	(Ref Interval: 10-65)
Ethanolamine, Plasma	<5 umol/L	(Ref Interval: <=15)
Gamma-amino butyric acid, Plasma	<5 umol/L	(Ref Interval: <=5)
Glutamic Acid, Plasma	36 umol/L	(Ref Interval: 15-130)
Glutamine, Plasma	418 umol/L	(Ref Interval: 380-680)
Glycine, Plasma	220 umol/L	(Ref Interval: 140-420)
Histidine, Plasma	88 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	8 umol/L	(Ref Interval: 5-40)

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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: 23-023-101047
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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Isoleucine, Plasma	60 umol/L		(Ref Interval: 30-120)
Leucine, Plasma	51 umol/L	L	(Ref Interval: 60-180)
Lysine, Plasma	137 umol/L		(Ref Interval: 85-230)
Methionine, Plasma	48 umol/L	H	(Ref Interval: 15-40)
Ornithine, Plasma	55 umol/L		(Ref Interval: 25-110)
Phenylalanine, Plasma	34 umol/L		(Ref Interval: 30-82)
Proline, Plasma	142 umol/L		(Ref Interval: 90-350)
Sarcosine, Plasma	<5 umol/L		(Ref Interval: <=5)
Serine, Plasma	178 umol/L	H	(Ref Interval: 60-170)
Taurine, Plasma	46 umol/L		(Ref Interval: 30-130)
Threonine, Plasma	151 umol/L		(Ref Interval: 60-190)
Tryptophan, Plasma	14 umol/L	L	(Ref Interval: 25-80)
Tyrosine, Plasma	36 umol/L		(Ref Interval: 35-110)
Valine, Plasma	104 umol/L	L	(Ref Interval: 120-320)

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VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Amino Acids, Plasma Interpretation	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Alpha-amino butyric acid, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Alanine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Allo-isoleucine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Alpha-aminoadipic acid, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Anserine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arginine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Argininosuccinic Acid, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Asparagine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Aspartic Acid, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Beta-amino isobutyric acid, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Beta-alanine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Citrulline, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cystathionine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cystine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Ethanolamine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Gamma-amino butyric acid, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Glutamic Acid, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Glutamine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Glycine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Histidine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Homocitrulline, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Homocystine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Hydroxylysine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Hydroxyproline, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Isoleucine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Leucine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Lysine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Methionine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Ornithine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Phenylalanine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Proline, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Sarcosine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Serine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Taurine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Threonine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Tryptophan, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Tyrosine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Valine, Plasma	23-023-101047	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

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END OF CHART

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