

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 11/23/2022
Gender: Male
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	Normal	
	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	9 umol/L	(Ref Interval: <=40)
Alanine, Plasma	440 umol/L	(Ref Interval: 150-520)
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	87 umol/L	(Ref Interval: 35-140)
Argininosuccinic Acid, Plasma	<2 umol/L	(Ref Interval: <=2)
Asparagine, Plasma	54 umol/L	(Ref Interval: 20-80)
Aspartic Acid, Plasma	<5 umol/L	(Ref Interval: <=30)

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

Unless otherwise indicated, testing performed at:

Beta-amino isobutyric acid, Plasma	<5 umol/L	(Ref Interval: <=15)
Beta-alanine, Plasma	<25 umol/L	(Ref Interval: <=25)
Citrulline, Plasma	12 umol/L	(Ref Interval: 7-40)
Cystathionine, Plasma	<5 umol/L	(Ref Interval: <=5)
Cystine, Plasma	23 umol/L	(Ref Interval: 10-50)
Ethanolamine, Plasma	9 umol/L	(Ref Interval: <=25)
Gamma-amino butyric acid, Plasma	<5 umol/L	(Ref Interval: <=5)
Glutamic Acid, Plasma	70 umol/L	(Ref Interval: 30-210)
Glutamine, Plasma	808 umol/L	(Ref Interval: 400-850)
Glycine, Plasma	172 umol/L	(Ref Interval: 120-375)
Histidine, Plasma	61 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	47 umol/L	(Ref Interval: 10-70)
Isoleucine, Plasma	58 umol/L	(Ref Interval: 30-120)

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Leucine, Plasma	96 umol/L	(Ref Interval: 50-180)
Lysine, Plasma	114 umol/L	(Ref Interval: 80-260)
Methionine, Plasma	36 umol/L	(Ref Interval: 15-55)
Ornithine, Plasma	86 umol/L	(Ref Interval: 30-140)
Phenylalanine, Plasma	46 umol/L	(Ref Interval: 30-90)
Proline, Plasma	229 umol/L	(Ref Interval: 100-320)
Sarcosine, Plasma	<5 umol/L	(Ref Interval: <=5)
Serine, Plasma	180 umol/L	(Ref Interval: 90-275)
Taurine, Plasma	50 umol/L	(Ref Interval: 30-170)
Threonine, Plasma	137 umol/L	(Ref Interval: 60-310)
Tryptophan, Plasma	81 umol/L	(Ref Interval: 20-85)
Tyrosine, Plasma	108 umol/L	(Ref Interval: 30-130)
Valine, Plasma	140 umol/L	(Ref Interval: 90-310)

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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: 23-021-108171
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Page 3 of 5 | Printed: 1/31/2023 2:44:32 PM
4848

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Amino Acids, Plasma Interpretation	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Alpha-amino butyric acid, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Alanine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Allo-isoleucine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Alpha-aminoadipic acid, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Anserine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arginine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Argininosuccinic Acid, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Asparagine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Aspartic Acid, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Beta-amino isobutyric acid, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Beta-alanine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Citrulline, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cystathionine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cystine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Ethanolamine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Gamma-amino butyric acid, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Glutamic Acid, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Glutamine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Glycine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Histidine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Homocitrulline, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Homocystine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Hydroxylysine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Hydroxyproline, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Isoleucine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Leucine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Lysine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Methionine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Ornithine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Phenylalanine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Proline, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Sarcosine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Serine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Taurine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Threonine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Tryptophan, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Tyrosine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Valine, Plasma	23-021-108171	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

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Page 4 of 5 | Printed: 1/31/2023 2:44:32 PM
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END OF CHART

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