

Ordered Items: **Amino Acid Profile, Qn, Plasma**

Date Collected:	Date Received:	Date Reported: 01/11/2023	Fasting:
-----------------	----------------	----------------------------------	----------

Amino Acid Profile, Qn, Plasma

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Taurine ^{A, 01}	68.3		umol/L	29.2-132.3
Aspartate ^{A, 01}	2.2		umol/L	0.0-7.4
Hydroxyproline ^{A, 01}	14.5		umol/L	4.7-35.2
Threonine ^{A, 01}	168.9		umol/L	67.8-211.6
Serine ^{A, 01}	84.0		umol/L	48.7-145.2
Asparagine ^{A, 01}	72.7		umol/L	29.5-84.5
Glutamate ^{A, 01}	29.3		umol/L	18.1-155.9
Glutamine ^{A, 01}	419.2		umol/L	372.8-701.4
Sarcosine ^{A, 01}	<0.5		umol/L	0.0-4.0
Alpha-aminoadipate ^{A, 01}	0.7		umol/L	0.0-1.9
Proline ^{A, 01}	178.0		umol/L	84.8-352.5
Glycine ^{A, 01}	271.1		umol/L	144.0-411.0
Alanine ^{A, 01}	397.4		umol/L	209.2-515.5
Citrulline ^{A, 01}	26.3		umol/L	15.6-46.9
Alpha-aminobutyrate ^{A, 01}	16.3		umol/L	5.4-34.5
Valine ^{A, 01}	223.6		umol/L	133.0-317.1
Cystine ^{A, 01}	24.1		umol/L	15.8-47.3
Methionine ^{A, 01}	22.8		umol/L	14.7-35.2
Homocitrulline ^{A, 01}	<0.5		umol/L	0.0-1.7
Cystathionine ^{A, 01}	<0.5		umol/L	0.0-0.7
Alloisoleucine ^{A, 01}	2.2		umol/L	0.0-3.2
Isoleucine ^{A, 01}	58.0		umol/L	32.8-88.3
Leucine ^{A, 01}	105.3		umol/L	66.7-165.7
Tyrosine ^{A, 01}	44.5		umol/L	27.8-83.3
Phenylalanine ^{A, 01}	42.5		umol/L	35.8-76.9
Argininosuccinate ^{A, 01}	<0.1		umol/L	0.0-3.0
Beta-alanine ^{A, 01}	2.2		umol/L	1.1-9.0
Beta-aminoisobutyrate ^{A, 01}	0.8		umol/L	0.0-4.3
Homocystine ^{A, 01}	<0.3		umol/L	0.0-0.2
Gamma-aminobutyrate ^{A, 01}	<0.5		umol/L	0.0-0.6
Tryptophan ^{A, 01}	56.4		umol/L	23.5-93.0
Hydroxylysine ^{A, 01}	0.3		umol/L	0.1-0.8
Ornithine ^{A, 01}	57.4		umol/L	30.1-101.3
Lysine ^{A, 01}	157.9		umol/L	94.0-278.0
Histidine ^{A, 01}	69.6		umol/L	47.2-98.5
Arginine ^{A, 01}	60.9		umol/L	36.3-119.2

Interpretation⁰²

Amino Acid Profile, Qn, Plasma (Cont.)

No evidence of aminoacidopathy by quantitative plasma amino acid analysis.

Director Review⁰²

Methodology⁰¹

Amino acid concentrations were obtained by LC-MS/MS analysis.

Walk-In Lab