
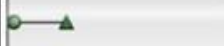

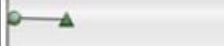

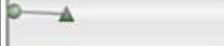

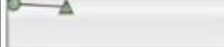

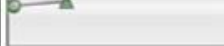

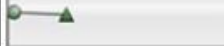

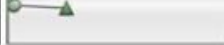

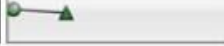



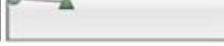

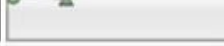



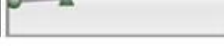


Glenville Nutrition Clinic Dublin	Name			
10 Orwell Road, Rathgar	D.o.B.	Gender	W	Request No.
IRL Dublin D06 T265	Address			Received
Fax				Reported
Client No.	Patient No.	Sampl. Time	20.02.2023 10:06:00	

Height cm Weight kg Body Mass Index

Amino acid status

With an adequate protein supply, deficiencies can still occur depending on the protein composition and individual needs. An imbalanced amino acid balance can be the cause of a variety of health disorders. Amino acids are classified into three different categories. The essential amino acids histidine, valine, isoleucine, leucine, lysine, methionine, phenylalanine, threonine and tryptophan must be taken in through the diet. Consistently low levels of these amino acids may indicate impaired intestinal function. The body can synthesise the remaining amino acids itself. However, there are certain (semi-essential) amino acids that cannot be synthesised by the body in sufficient quantities under certain circumstances such as illness, stress and chemical stress and must be supplied through food. These include cysteine, which has an antioxidant and anti-inflammatory effect, arginine, which serves as a supplier of the important messenger substance nitric oxide and contributes to ammonia detoxification in the urea cycle. Taurine and glycine are needed by the body to detoxify foreign substances.

alpha-aminobutyric acid	22.0		< 37	µmol/l	09.06.2023 22.0	
Simple neutral amino acids						
Glycine	360.0		282 - 538	µmol/l	09.06.2023 378.0	
Alanine	535.0		379 - 705	µmol/l	09.06.2023 581.0	
Serine	207.0		136 - 232	µmol/l	09.06.2023 224.0	
Threonine	176.0		98 - 183	µmol/l	09.06.2023 156.0	
Branched chain amino acids						
Valine	217.0		193 - 338	µmol/l	09.06.2023 237.0	
Leucine	147.0		110 - 200	µmol/l	09.06.2023 161.0	
Isoleucine	62.0		48 - 107	µmol/l	09.06.2023 71.0	
Sulphur containing amino acids						
Methionine	35.0		24 - 43	µmol/l	09.06.2023 31.0	
Taurine	231.0		94 - 294	µmol/l	09.06.2023 262.0	
Aromatic amino acids						
Phenylalanine	113.0		70 - 130	µmol/l	09.06.2023 118.0	
Tyrosine	62.0		51 - 99	µmol/l	09.06.2023 55.0	
Tryptophan	54.0		42 - 70	µmol/l	09.06.2023 49.0	

Heterocyclic amino acids

Histidine	110.0		68 - 116	μmol/l	09.06.2023 114.0	
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Acidic amino acids and their amides

Aspartic Acid	75.0		33 - 81	μmol/l	09.06.2023 73.0	
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Asparagine	84.0		48 - 88	μmol/l	09.06.2023 83.0	
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Glutamic Acid	212.0		102 - 323	μmol/l	09.06.2023 279.0	
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Glutamine	412.0		397 - 642	μmol/l	09.06.2023 341.0	
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Basic amino acids

Arginine	55.0		55 - 132	μmol/l	09.06.2023 38.0	
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Lysine	257.0		166 - 300	μmol/l	09.06.2023 265.0	
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Ornithine	164.0		79 - 239	μmol/l	09.06.2023 195.0	
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Citrulline	↓ 21.0		25 - 70	μmol/l	09.06.2023 26.0	
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