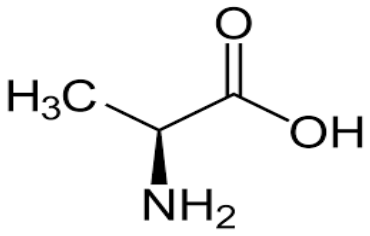
Amino Acid

Amino Acids

Amino acids can be found in biological fluids and have key roles in many biological processes, such as protein synthesis, neurotransmission, and the regulation of metabolic pathways.

Our HILIC-MS/MS method covers all major amino acid providing unsurpassed sensitivity, specificity, wide dynamic range, robustness, and reproducibility. The method has been applied in a number of studies and matrices (CSF, blood, various other biological fluids and extracts).



Application

- Metabolic Disorders (diabetes, liver disease, kidney disease, different types of cancers)
- Rheumatoid arthritis
- Human and animal nutrition

Analysis Method and Instrumentation

Acquity UPLC Xevo TQD MS/MS (Waters)

Sample type and required amounts

Sample Type	Sample Requirment
Urine	50 µL
Others on request	

Amino Acid Panel	LOQ (µM/L) Urine
Alanine	0.10
Arginine	0.49
Asparagine	1.63
Aspartic acid	0.30
Cysteine	2.83
Glutamic acid	1.43
Glutamine	0.94
Glycine	30.89
Histidine	8.63
Isoleucine	3.82
Leucine	0.20
Lysine	1.36
Methionine	0.13
Phenylalanine	0.13
Proline	11.6
Serine	1.45
Threonine	16.8
Tryptophan	0.51
Tyrosine	3.73
Valine	2.91

Contact us to get started

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