



| Procedure | Result | Units | Ref Interval | Accession | Collected | Received | Reported/Verified |
|------------------------------------|----------|--------|--------------|---------------|--------------------|--------------------|--------------------|
| Amino Acids, Plasma Interpretation | See Note | | | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Alpha-amino butyric acid, Plasma | 41 H | umol/L | [<=40] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Alanine, Plasma | 481 H | umol/L | [140-480] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Allo-isoleucine, Plasma | 6 H | umol/L | [<=5] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Alpha-aminoadipic acid, Plasma | 5 H | umol/L | [<=4] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Anserine, Plasma | 6 H | umol/L | [<=5] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Arginine, Plasma | 141 H | umol/L | [16-140] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Argininosuccinic Acid, Plasma | 3 H | umol/L | [<=2] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Asparagine, Plasma | 81 H | umol/L | [20-80] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Aspartic Acid, Plasma | 46 H | umol/L | [<=45] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Beta-amino isobutyric acid, Plasma | 16 H | umol/L | [<=15] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Beta-alanine, Plasma | 26 H | umol/L | [<=25] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Citrulline, Plasma | 41 H | umol/L | [7-40] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Cystathionine, Plasma | 6 H | umol/L | [<=5] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Cystine, Plasma | 61 H | umol/L | [10-60] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Ethanolamine, Plasma | 101 H | umol/L | [<=100] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Gamma-amino butyric acid, Plasma | 6 H | umol/L | [<=5] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Glutamic Acid, Plasma | 241 H | umol/L | [30-240] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Glutamine, Plasma | 901 H | umol/L | [295-900] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Glycine, Plasma | 471 H | umol/L | [160-470] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Histidine, Plasma | 131 H | umol/L | [50-130] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Homocitrulline, Plasma | 6 H | umol/L | [<=5] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Homocystine, Plasma | 3 H | umol/L | [<=2] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Hydroxylysine, Plasma | 6 H | umol/L | [<=5] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Hydroxyproline, Plasma | 91 H | umol/L | [15-90] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Isoleucine, Plasma | 111 H | umol/L | [20-110] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Leucine, Plasma | 181 H | umol/L | [50-180] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Lysine, Plasma | 271 H | umol/L | [70-270] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Methionine, Plasma | 56 H | umol/L | [15-55] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Ornithine, Plasma | 181 H | umol/L | [30-180] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Phenylalanine, Plasma | 96 H | umol/L | [30-95] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Proline, Plasma | 341 H | umol/L | [110-340] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Sarcosine, Plasma | 6 H | umol/L | [<=5] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Serine, Plasma | 341 H | umol/L | [90-340] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Taurine, Plasma | 251 H | umol/L | [30-250] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Threonine, Plasma | 401 H | umol/L | [60-400] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Tryptophan, Plasma | 76 H | umol/L | [15-75] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Tyrosine, Plasma | 141 H | umol/L | [30-140] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |
| Valine, Plasma | 271 H | umol/L | [80-270] | 19-263-900073 | 20-Sep-19 09:40:00 | 20-Sep-19 10:44:00 | 23-Sep-19 14:14:30 |

20-Sep-19 09:40:00 Amino Acids, Plasma Interpretation:

* Abnormal, # = Corrected, C = Critical, f = Footnote, H = High, L = Low, t = Interpretive Text, @ = Reference Lab

REFERENCE INTERVAL: Amino Acids, Plasma Interpretation

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS