



Laboratory Services Important Test Announcement

Updated reference ranges in Plasma Amino Acids by LC-MS/MS

Test Code: MSAAP

Live Date: 3/11/2024

Effective, March 11, 2024, the reference ranges for 3-Methylhistidine, Glutamine, and Hydroxyproline, which are included in the Plasma Amino Acids by LC-MS/MS (MSAAP), will be updated to the new ranges highlighted in yellow below. These updates are based on recent internal studies to better reflect our patient population and the LC-MS/MS methodology in use.

| Test Code | Test name | Old Reference Range | | | New Reference Range | | |
|-----------|----------------------------|---------------------|-----------------|------------|---------------------|-----------------|------------|
| | | Age | Reference range | Units | Age | Reference range | Units |
| MS3MHP | 3-Methylhistidine (Plasma) | 0D - 30D | 0-3 | μmol/ L | 0D - 30D | <8 | μmol/ L |
| | | 31D - 365D | 0-4 | | 31D - 365D | <6 | |
| | | ≥366D | 0-5 | | >365 D | <8 | |
| MSG LNP | Glutamine (Plasma) | 0D - 30D | 295-900 | μmol/ L | 0D - 30D | 295-900 | μmol/ L |
| | | 31D - 365D | 400-850 | | 31D - 365D | 400-850 | |
| | | ≥366D | 380-680 | | >365 D | 387-841 | |
| MSHYPP | Hydroxyproline (Plasma) | 0D - 30D | 15-90 | μmol/ L | 0D - 30D | 22-122 | μmol/ L |
| | | 31D - 365D | 10-70 | | 31D - 365D | 10-70 | |
| | | ≥366D | 5-40 | | >365 D | 5-40 | |

If you have any additional questions about testing, please refer to the Laboratory Test Directory or call Client Services at 614-722-5477