|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sum or Ratio | LMW | OBMW | OBMUW | OBDM |
| ABU/LEU | 0.1 (0.1, 0.2) | 0.1 (0.1, 0.2) | 0.1 (0.1, 0.1) | 0.1 (0.1, 0.2) |
| ALA/LYS | 1.9 (1.6, 2.2) | 2.1 (1.9, 2.3) | 2.1 (1.8, 2.5) | 2.0 (1.8, 2.3) |
| ALA / (TYR+PHE) | 2.9 (2.6, 3.3) | 2.8 (2.5, 3.2) | 3.0 (2.7, 3.5) | 3.2 (2.8, 3.5) |
| ARG/(ORN+CIT) | 1.1 (0.9, 1.3) | 1.1 (0.9, 1.2) | 1.0 (0.8, 1.5) | 1.3 (0.8, 1.8) |
| **GLU+GLN** | **574.5 (552.8, 617.5)** | **608.1 (567.9, 665.4)** | **617.9 (591.7, 644.8)** | **551.0 (510.4, 583.1)** |
| Both (Gluco+ketogenic-see legend) | 400.3 (363.5, 434.7) | 425.8 (408.7, 484.8) | 455.5 (411.0, 493.6) | 445.3 (409.4, 489.1) |
| Glucogenic AAs (see legend) | 2111.1 (1909.3, 2441.2) | 2228.4 (2046.1, 2460.9) | 2343.4 (2136.8, 2490.0) | 2285.3 (2146.7, 2482.7) |
| **Ketogenic AAs (LEU+LYS)** | **331.7 (307.0, 373.2)** | **362.4 (331.3, 397.3)** | **406.1 (373.0, 447.6)** | **428.0 (391.5, 462.5)** |
| ORN/ARG | 0.6 (0.5, 0.7) | 0.6 (0.5, 0.8) | 0.7 (0.5, 0.9) | 0.6 (0.4, 0.9) |
| ORN/CIT | 2.3 (1.7, 2.5) | 2.3 (1.9, 2.9) | 2.5 (2.0, 3.2) | 2.7 (2.0, 3.1) |
| $$\frac{(TAU+CIT+LYS)}{(ASP+ILE)}+\frac{(THR+TYR+HIS)}{GLU}$$ | **6.4 (5.5, 7.0)** | **5.7 (5.3, 6.1)** | **5.7 (5.2, 6.0)** | **5.0 (4.6, 5.6)** |
| $$\frac{TRP}{(TYR+PHE+LEU+ILE+VAL)}$$ | **0.1 (0.1, 0.1)** | **0.1 (0.1, 0.1)** | **0.1 (0.1, 0.1)** | **0.1 (0.1, 0.1)** |
| $$\frac{(VAL+ILE+LEU)}{(TYR+PHE)}$$ | **3.3 (3.2, 3.7)** | **3.3 (2.9, 3.3)** | **3.5 (3.1, 3.7)** | **3.8 (3.7, 4.2)** |
| $$\frac{(C3+C5)}{Total carnitine}$$ | **10.6 (8.5, 11.7)** | **13.0 (11.2, 15.9)** | **13.1 (10.6, 15.3)** | **15.4 (13.6, 17.8)** |
| C2/Free CN | 0.34 (0.25, 0.39) | 0.24 (0.18, 0.29) | 0.26 (0.19, 0.32) | 0.27 (0.22, 0.33) |
| Free CN/C16 | 0.33 (0.25, 0.44) | 0.33 (0.29, 0.43) | 0.28 (0.24, 0.38) | 0.26 (0.19, 0.35) |
| C16-OH/C16 | 0.04 (0.04, 0.05) | 0.04 (0.04, 0.05) | 0.04 (0.3, 0.05) | 0.04 (0.04, 0.05) |
| C8/C16 | 1.4 (0.9, 1.7) | 1.0 (0.8, 1.5) | 0.9 (0.7, 1.3) | 1.0 (0.8, 1.3) |
| C4/C3 | 0.3 (0.3, 0.5) | 0.3 (0.2, 0.3) | 0.3 (0.2, 0.4) | 0.3 (0.2, 0.5) |
| (C6+C8+C10+C10:1)/Total | 11.3 (5.7, 16.3) | 8.3 (7.4, 11.5) | 9.3 (6.4, 12.8) | 9.7 (7.8, 13.0) |
| C16+/Total | 7.1 (5.3, 9.0) | 6.6 (5.6, 9.2) | 7.1 (5.8, 8.6) | 7.5 (6.0, 9.9) |