



Butyl Esters Data Chart

| Neutral and Acidic Amino Acids (NSK-A) | | | |
|--|-----------------------|-------------|--------------------------------------|
| m/z | Compound | Abbr. | Comments (NL 102) |
| 132 | Glycine | Gly | |
| 134 | *Glycine | *Gly | ¹³C¹⁵N |
| 146 | Alanine | Ala | |
| 150 | *Alanine | *Ala | D₄ |
| 162 | Serine | Ser | |
| 172 | Proline | Pro | |
| 174 | Valine | Val | |
| 176 | Threonine | Thr | |
| 182 | *Valine | *Val | D₈ |
| 186 | Glutamine | Gln | (Glu - NH ₃) |
| 188 | Leucine+ | Leu+ | Isoleucine, HydroxyProline, Allo-Ile |
| 191 | *Leucine | *Leu | D₃ |
| 206 | Methionine | Met | |
| 209 | *Methionine | *Met | D₃ |
| 212 | Histidine | His | |
| 222 | Phenylalanine | Phe | |
| 228 | *Phenylalanine | *Phe | ¹³C₆ |
| 238 | Tyrosine | Tyr | |
| 244 | *Tyrosine | *Tyr | ¹³C₆ |
| 246 | Aspartic Acid | Asp | |
| 249 | *Aspartic Acid | *Asp | D₃ |
| 260 | Glutamic Acid | Glu | |
| 263 | *Glutamic Acid | *Glu | D₃ |

| Basic Amino Acids (NSK-A) | | | |
|---------------------------|--------------------|-------------|------------------------------------|
| m/z | Compound | Abbr. | Comments |
| 189 | Ornithine | Orn | NL 119 |
| 191 | *Ornithine | *Orn | D₂ |
| 232 | Citrulline | Cit | NL 119 |
| 234 | *Citrulline | *Cit | D₂ |
| 231 | Arginine | Arg | NL 161 |
| 236 | *Arginine | *Arg | D₄¹³C |

NL = Neutral Loss

Legend: NSK-A = blue, NSK-B = green, NSK-B-G = red
For Research Use Only. Not for diagnostic procedures.

Note: Customers can request a laminated copy of this chart.

| Free Carnitine (NSK-B) | | | |
|---------------------------------|----------------------------|--------------|--|
| m/z | Compound | Abbr. | Comments (Pre 85) |
| 218 | Free Carnitine | C0, FC | Pre 85 and Pre 103 |
| 221 | *Hydro-Free Carnitine | *Hydro-FC | Hydrolyzed D ₃ AC STDS |
| 227 | *Free Carnitine | *FC | D₉ |
| Acylcarnitines (NSK-B, NSK-B-G) | | | |
| m/z | Compound | Abbr. | Comments |
| 260 | Acetyl- | C2 | (+ glutamic acid) |
| 263 | *Acetyl- | *C2 | D₃ (+ D₃-Glu) |
| 274 | Propionyl- | C3 | |
| 277 | *Propionyl- | *C3 | D₃ |
| 288 | Butyryl- | C4 | |
| 291 | *Butyryl- | *C4 | D₃ |
| 300 | Tiglyl- | C5:1 | |
| 302 | Isovaleryl- | C5 | Methylbutyryl- |
| 304 | Hydroxybutyryl- | C4OH | |
| 311 | *Isovaleryl- | *C5 | D₉ |
| 316 | Hexanoyl- | C6 | |
| 318 | Hydroxyisovaleryl- | C5OH | |
| 321 | *Hydroxyisovaleryl- | *C5OH | D₃ |
| 344 | Octanoyl- | C8 | |
| 347 | *Octanoyl- | *C8 | D₃ |
| 360 | Malonyl- | C3DC | |
| 368 | Decadienoyl- | C10:2 | |
| 370 | Decenoyl- | C10:1 | |
| 372 | Decanoyl- | C10 | |
| 374 | Methylmalonyl- | C4DC | |
| 388 | Glutaryl- | C5DC | |
| 391 | *Glutaryl- | *C5DC | D₃ |
| 400 | Dodecanoyl- | C12 | |
| 409 | *Dodecanoyl- | *C12 | D₉ |
| 426 | Tetradecenoyl- | C14:1 | |
| 428 | Tetradecanoyl- | C14 | |
| 437 | *Tetradecanoyl- | *C14 | D₉ |
| 456 | Palmitoyl- | C16 | |
| 459 | *Palmitoyl- | *C16 | D₃ |
| 472 | Hydroxypalmitoyl- | C16OH | |
| 482 | Octadecenoyl- | C18:1 | |
| 484 | Octadecanoyl- | C18 | |
| 487 | *Octadecanoyl- | *C18 | D₃ |
| 498 | Hydroxyoctadecenoyl- | C18:1 OH | |
| 500 | Hydroxyoctadecanoyl- | C18OH | |