

Supplementary data on method for analysis of Decanoylcarnitine (C10)

Method based on article

Middtun et al (2013), PMID 23232958.

Material

Decanoylcarnitine was obtained from Sigma-Aldrich, St. Louis, USA.
Decanoylcarnitine-d3 (99.9 %) was obtained from C/D/N Isotopes,
Quebec, Canada.

Instrumentation

Same as in PMID 23232958.

Chromatography and detection

LC-MS/MS; positive-ion multiple reaction monitoring (MRM);
retention time = 5.4 min.

C10 precursor ion = 316.2 m/z; product ion = 256.7 m/z. C10-d3
precursor ion = 319.2 m/z; product ion = 256.7 m/z.

Method performance

LOD (S/N >5): 0.02 $\mu\text{mol/L}$.

Within-day CV: %.

Between-day CV: %.