

Supplementary data on method for analysis of Citrulline (Cit)

Method based on article

Midttun et al (2013), PMID 23232958.

Material

Citrulline (purity > 98%) was obtained from Sigma-Aldrich, St. Louis, USA. Citrulline-d7 (98.5%) 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 = 2.0 min.

Cit precursor ion = 175.9 m/z; product ion = 112 m/z. Cit-d7 precursor
ion = 182.5 m/z; product ion = 119 m/z.

Method performance

LOD (S/N >5): 0.5 μ mol/L.

Within-day CV: 7-8 %.

Between-day CV: 6-9 %.