

Supplementary data on method for analysis of IsoCitrate (iCit).

## Method based on article

Midttun et al (2016), PMID 27715010.

## Material

IsoCitrate (purity ≥95%) was obtained from Cayman Chemical, 1180 East Ellsworth Road Ann Arbor, Michigan 48108 USA. IsoCitrate-13C4 (purity 98%) was obtained from Cambridge Isotope Laobratories, Inc., 50 Frontage Road, Andover, MA 01810-5413 USA.

#### Instrumentation

Agilent 7010B GC/TQ and Agilent 8890 GC System.

# **Chromatography and detection**

GC-MS/MS; positive-ion multiple reaction monitoring (MRM); retention time = 4.15 min.

IsoCitrate precursor ion = 157.0 m/z; product ion = 101.0 m/z. IsoCitrat-13C4 precursor ion = 161.0 m/z; product ion = 104.0 m/z.

# **Method performance**

Linear range: 0.3 - 500 µmol/L.

Linearity: r2: 0.998.

LOD (S/N >5): 0.3 µmol/L. Within-day CV: 3-5 %. Between-day CV: 4-6 %.