

## Supplementary data on method for analysis of Acetate (Ace)

### Method based on article

-

### Material

Acetic acid (purity  $\geq 99\%$ ) and Acetic acid-d4 (purity  $\geq 99.9\%$ ) was obtained from Sigma-Aldrich, St.Louis, MO 63103 USA or 89555 Steinheim Germany.

### Instrumentation

Agilent 7010B GC/TQ and Agilent 8890 GC System

### Chromatography and detection

GC-MS/MS; positive-ion multiple reaction monitoring (MRM);  
retention time = 4.48 min.

Acetate precursor ion = 150 m/z; product ion = 108 m/z. Acetate-d4  
precursor ion = 153 m/z; product ion = 109 m/z.

### Method performance

Linear range: 5.0 - 1000  $\mu\text{mol/L}$ .

Linearity:  $r^2$ : 0.99.

LOD (S/N >5): 5.0  $\mu\text{mol/L}$ .

Within-day CV: 3-5 %.

Between-day CV: 3-7 %.