

Supplementary data on method for analysis of
3-Indoxyl sulfate (3IS)

Method based on article: Midttun et al (2009), PMID 19337982.

Material:

Indoxyl 3 sulfat potassium salt (purity >97%) was obtained from Sigma-Aldrich Merck KGaA, Darmstadt, Germany .

Indoxyl 3-13C6-sulfat potassium salt from Sigma-Aldrich Merck KGaA, Darmstadt, Germany .

Instrumentation: Same as in PMID 19337982

Chromatography and detection:

LC-MS/MS; negative-ion multiple reaction monitoring(MRM);
retention time = 2.55 min.

3IS precursor ion = 212 m/z; product ion =80 m/z;

3IS-13C6 precursor ion = 218 m/z; product ion =80 m/z.

Method performance:

Linear range: 0.1 – 100 µmol/L.

Linearity, r²: 0.99

LOD (S/N >5): 0.2 µmol/L.

Within-day CV: 4 –5 %

Between day CV: 4 – 6 %