

Supplementary data on method for analysis of
Indole-3-acetamide(IAM)

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

Material: Indole-3-acetamide (purity >98%) was obtained from
Sigma-Aldrich, St.Louis, MO 63178 USA.

Indole-d5-3-acetamide from Toronto Research chemicals,
20 Martin Ross Ave, North York, ON M3J 2K8, Canada

Instrumentation: Same as in PMID 19337982

Chromatography and detection:

LC-MS/MS; positive-ion multiple reaction monitoring(MRM);
retention time = 4.7 min.

IAM precursor ion = 175.2 m/z; product ion = 130.2 m/z;

IAM-d5 precursor ion = 180.2 m/z; product ion = 133.2 m/z.

Method performance:

Linear range: 1 – 30 nmol/L.

Linearity, r²: 0.99

LOD (S/N >5):1 nmol/L.

Within-day CV: 8 –9 %

Between day CV: 8 – 10 %