

Supplementary data on method for analysis of Indole-3-carboxaldehyde(IAlD)

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

Material:

Indole-3- carboxaldehyde (purity >98%) was obtained from Sigma-Aldrich Merck KGaA, Darmstadt, Germany .

Indole 3-carboxaldehyde –¹³C₈ from LGC Standards GmbH
Mercatorstrasse 51,46485 Wesel,Germany

Instrumentation: Same as in PMID 19337982

Chromatography and detection:

LC-MS/MS; positive-ion multiple reaction monitoring(MRM);
retention time = 5.05 min.

IAlD precursor ion = 146.2 m/z; product ion = 118.2 m/z;

IAlD-¹³C₈ precursor ion = 154.2 m/z; product ion = 126.2 m/z.

Method performance:

Linear range: 2 – 1000 nmol/L.

Linearity, r²: 0.99

LOD (S/N >5): 4 nmol/L.

Within-day CV: 5 –8 %

Between day CV: 5 – 9 %