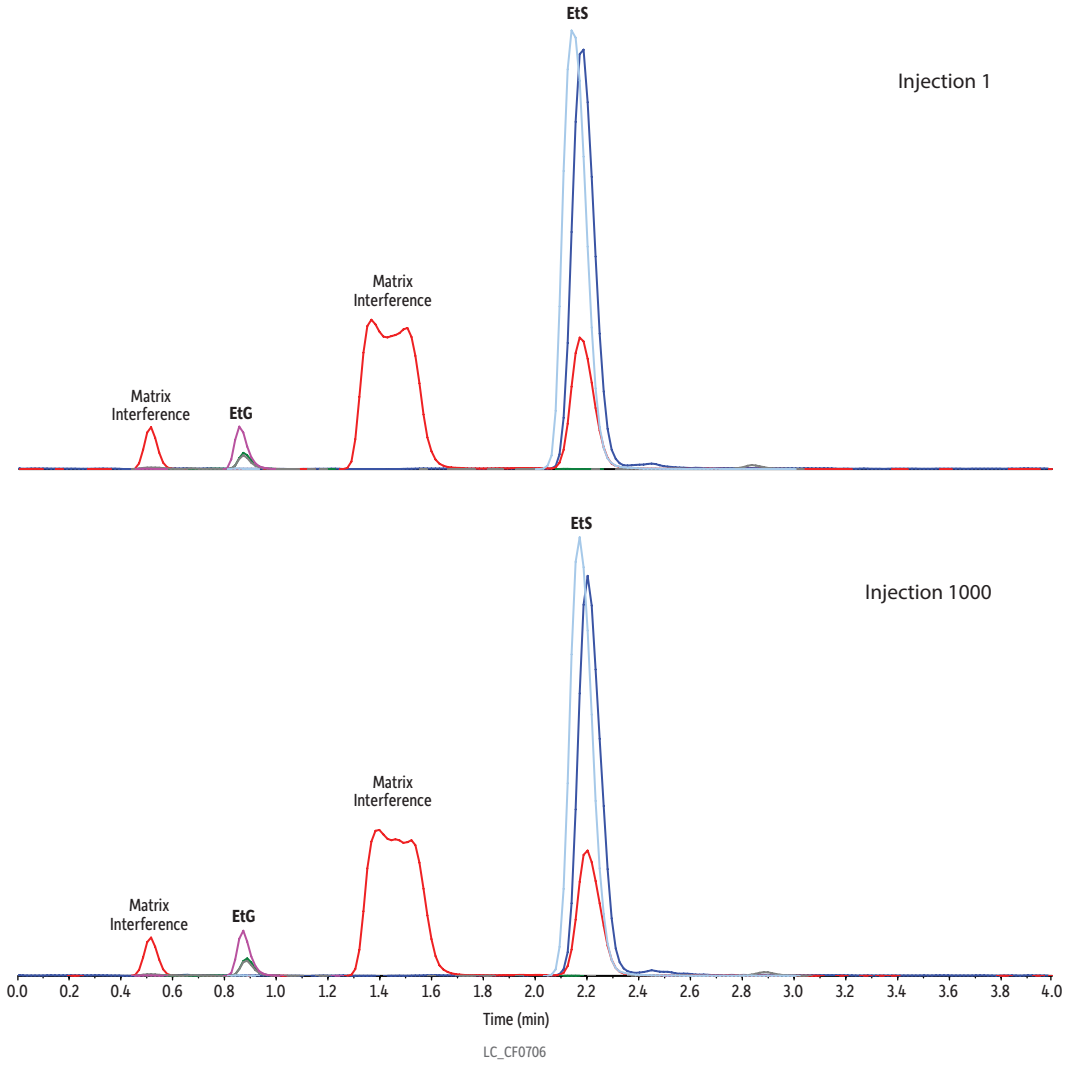
1,000 Injection Lifetime: EtG and EtS in Urine on Raptor EtG/EtS



LC_CF0706

Peaks	Precursor Ion	Product Ion	Product Ion
1. Ethyl-β-D-glucuronide-d5	225.9	84.9	-
2. Ethyl-β-D-glucuronide	220.8	84.9	74.8
3. Ethyl sulfate-d5	129.7	97.7	-
4. Ethyl sulfate	124.7	96.8	79.7

Column Raptor EtG/EtS (cat.# 9325A12)
Dimensions: 100 mm x 2.1 mm ID
Particle Size: 2.7 µm
Pore Size: 90 Å
Guard Column: UltraShield UHPLC precolumn filter, 0.2 µm frit (cat.# 25809)
Temp.: 35 °C

Sample
Diluent: 0.1% Formic acid in water
Conc.: A 500 ng/mL QC sample was prepared in urine. 50 µL of the sample was diluted with 950 µL of a working internal standard (25 ng/mL EtS-d5/100 ng/mL EtG-d5 in 0.1% formic acid in water). The sample was vortexed at 3500 rpm for 10 seconds to mix. The sample was then centrifuged at 3000 rpm for 5 minutes at 10 °C. The autosampler needle was adjusted to inject from the supernatant.
Inj. Vol.: 10 µL

Mobile Phase
A: 0.1% Formic acid in water
B: 0.1% Formic acid in acetonitrile

Time (min)	Flow (mL/min)	%A	%B
0.00	0.5	95	5
2.50	0.5	65	35
2.51	0.5	95	5
4.00	0.5	95	5

Detector MS/MS
Ion Mode: ESI-
Mode: MRM
Instrument HPLC
Notes
Reference Standards
Ethyl-β-D-glucuronide (cat.# 34101)
Ethyl-β-D-glucuronide-d5 (cat.# 34102)
Ethyl sulfate sodium salt (cat.# 34103)
Ethyl sulfate-d5 sodium salt (cat.# 34104)

RESTEK