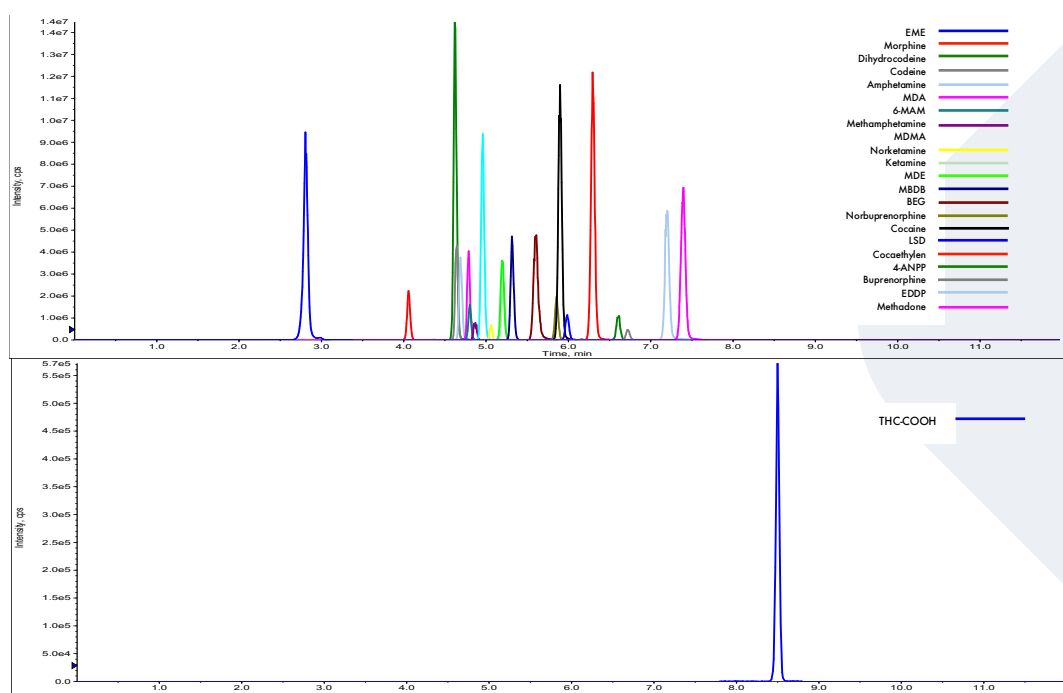


FLOMASS® DRUGS OF ABUSE IN URINE

Our panel of drug of abuse in urine includes Amphetamine, Methamphetamine, MDA, MDE, MDMA, MBDB, Cocaine, Benzoyllecgonine, Ecgoninmethylester, Coca ethylene, Morphine, Codeine, Dihydrocodeine, 6-MAM, THC-COOH, Methadone, EDDP, Buprenorphine, Norbuprenorphine, Ketamine, Norketamine, 4-ANPP, LSD.



HPLC-MS/MS system conditions

Ionization: ESI positive mode, except THC-COOH analyzed in negative mode

MS/MS: specific MRM

Injection volume: 15 µL (variable according to instrumental sensitivity)

Running time: 12 min

Column heater: 40°C

Sample preparation

- Prepare a mix composed of 50 µL of Buffer Sol+ 10 µL of Internal Standard Mix per sample
- Pipette 250 µL of urine. Add 60 µL of the mix prepared at previous step of the procedure and 15 µL of Buffer Sol (or Hydrolysis Solution if you use enzymatic hydrolysis protocol)
- Vortex for 10 sec
Incubate in thermoblock at 65°C for 4 hours (ONLY if you use hydrolysis protocol)
- Add 300 µL of Precipitant Sol, vortex for 10 sec and centrifuge at 12000 rpm for 5 min
- Transfer the supernatant into another plastic vial and dilute it with Diluent sol with 1:2 ratio
Transfer into an autosampler vial and analyze with HPLC-MS/MS technique

Performance

ANALYTE	LINEARITY (ng/mL)	LLOD (ng/mL)	LLOQ (ng/mL)
Amphetamine	18.4 - 3552	5.52	18.4
Methamphetamine	12.2 - 3412	3.66	12.2
MDA	19.1 - 3360	5.73	19.1
MDE	10.0 - 1630	3.00	10.0
MDMA	5.65 - 1746	1.70	5.65
MBDB	8.26 - 759	2.48	8.26
Cocaine	21.4 - 3012	6.42	21.4
BEG	3.99 - 1506	1.20	3.99
EME	2.79 - 2220	0.837	2.79
Cocaethylene	5.72 - 2332	1.72	5.72
Morphine	3.87 - 3952	1.16	3.87
Codeine	4.22 - 851	1.27	4.22

ANALYTE	LINEARITY (ng/mL)	LLOD (ng/mL)	LLOQ (ng/mL)
Dihydrocodeine	2.40 - 782	0.720	2.40
6-MAM	2.07 - 278	0.621	2.07
Methadone	8.73 - 759	2.62	8.73
EDDP	6.84 - 814	2.05	6.84
Buprenorphine	0.460 - 355	0.138	0.460
Norbuprenorphine	20.9 - 327	6.27	20.9
Ketamine	3.60 - 825	1.08	3.60
Norketamine	12.6 - 1868	3.78	12.6
4-ANPP	0.152 - 33.0	0.046	0.152
LSD	0.067 - 33.3	0.020	0.067
THC-COOH	0.842 - 864	0.253	0.842

Ordering guide

EUM02100	FloMass® Drugs of Abuse in Urine	100 assays
EUM2042	6-Levels Calibrators, lyophil.	3 x 6 x 0.6 mL
EUM02055	2-Levels Controls, lyophil	3 x 2 x 0.6 mL
EUM00C02	Chromatographic Column	1 pc
EUM00A04	Precolumn	4 pcs

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