

Disposable microfluidic device with ultraviolet detection for highly resolved screening of illicit drugs

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Table S1 Results of three interference experiments

Calmative drugs			Abstinence drugs			Opiate drugs		
analyte/interference ^a	<i>t</i> _M (s)	<i>R</i> _s	analyte/interference	<i>t</i> _M (s)	<i>R</i> _s	analyte/interference	<i>t</i> _M (s)	<i>R</i> _s
amobarbital	77.2		caffeine	62.2		MOR	86.5	
amobarbital/MOR	83.7 ^b	1.21	caffeine/diphenoxylate	69.4	1.15	MOR/6-AM	110.3	4.58
MOR/barbital	102.1	1.69	diphenoxylate/MOR	85.9	5.29	6-AM/codeine	121.6	2.16
barbital/6-AM	109.2	1.48	MOR/6-AM	110.3	4.61	codeine/acetylcodeine	127.4	1.21
6-AM/ketamine	135.2	4.73	6-AM/ketamine	137.6	4.86	acetylcodeine/ketamine	137.5	2.08
ketamine/amprazolam	144.7	2.03	ketamine/heroin	151.4	1.87	ketamine/heroin	150.9	1.81
amprazolam/heroin	150.4	1.25	heroin/ephedrine	161.5	1.59	heroin/narcotine	157.1	1.10
heroin/ephedrine	160.3	1.96	ephedrine/MDA	182.2	4.42	narcotine/ephedrine	162.4	2.8
ephedrine/estazolam	166.2	1.32	MDA/MDMA	187.3	1.27	ephedrine/pholcodine	167.3	1.10
estazolam/nitrazepam	171.6	1.13	MDMA/pethidine	201.7	3.84	pholcodine/MDA	184.6	3.87
nitrazepam/diazepam	177.3	1.23	pethidine/lofexidine	207.6	1.39	MDA/MDMA	189.7	1.25
diazepam/MDA	185.2	1.30	lofexidine/ Δ^9 -THC	222.7	3.99	MDMA/ Δ^9 -THC	218.9	6.24
MDA/MDMA	190.6	1.25						
MDMA/ Δ^9 -THC	220.1	6.20						

^a between two adjacent analytes, interferences or analyte and interference. ^b the value of *t*_M for the second drug