Product No: JSM-CL-4000

JASEM

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Extended Clinical Toxicology LC-MS/MS Analysis Kit

Jasem Clinical Toxicology method introduces a procedure for detecting drugs of abuse such as opioids, amphetamine, methamphetamine, cocaine and metabolites, THC and metabolites, benzodiazepines, antidepressants, atypical antipsychotics, over-the-counter cold medicines as well as routinely used prescription drugs by follow up patients samples by LC/MS-MS. Liquid chromatography tandem mass spectrometry (LC-MS/MS) is analytical technique of choice available for screening and/or quantification of drugs.

Highlights of the Analysis Kit

- Simple sample preparation—protein precipitation for whole blood and dilute-and-shoot for urine, without SPE or evaporation
- Quantitative determination of 203 drugs in a single injection
- Simultaneous analysis of different drug groups-total run time is 12 min.
- Long lifetime HPLC column
- Method allows to extend the drug list

Parameters

11-OH-THC
2-Chloromethcathinone
2-Methylmethcathinone
3,4-MDPV
3-Chloromethcathinone
3-Methylmethcathinone
4-Chloromethcathinone
4-Hydroxyamphetamine
4-Methoxyamphetamine (PMA)
5-Fluoro AB-PINACA
5-Fluoro AKB48
5-Fluoro AKB48 N-(4-hydroxypentyl)
5-Fluoro PB-22
6-MAM
7-Aminoclonazepam
AB-FUBINACA
AB-PINACA
AB-PINACA (4-hydroxypentyl)
AB-PINACA (5-hydroxypentyl)
AB-PINACA N-pentanoic acid
Acetaminophen (Paracetamol)
ADB-4en-PINACA
ADB-BUTINACA
AKB48
AKB48 N-(5-hydroxypentyl)
AKB48 N-pentanoic acid
Alprazolam
AM2201
AM2201 (5-hydroxyindole)
Amilsulpride
Amitriptyline
Amobarbital
Amphetamine
Atenolol
Atropine
BDB
Benzoylecgonine
Biperiden
bk-MDEA
Bromazepam
Buprenorphine
Bupropion
Carbamazepine
Cathinone
Cetrizine
Chlordiazepoxide
Chlorpheniramine
Chlorpromazine
Citalopram
Clomipramine
Clonazepam
Clozapine
Cocaethylene
Cocaine
Codeine
Cotinine
Desmethylclopramine
Desmethylclozapine
Desmethylolanzapine
Dextromethorphan
Diazepam
Dihydrocodeine
Diltiazem
Diphenhydramine
Doxepin
Doxylamine
EDDP
EDMB-PINACA
Ephedrine
Escitalopram
Ethylmorphine
Etodolac
Famotidine
Fentanyl
Fluconazole
Flunitrazepam
Fluoxetine
Flurazepam
Fluvoxamine
Gabapentin
Glibenclamide
Haloperidol
Heroin
Hydrocodone
Hydroxyzine
Imipramine
JWH 018
JWH 018 N-(2-hydroxypentyl)
JWH 018 N-(3-hydroxypentyl)
JWH 018 N-(4-hydroxypentyl)
JWH 018 N-(5-hydroxypentyl)
JWH 018 N-pentanoic acid
JWH 019
JWH 019 N-(5-hydroxyhexyl)
JWH 073
JWH 073 (2-hydroxyindole)
JWH 073 (4-hydroxyindole)
JWH 073 (5-hydroxyindole)
JWH 073 (6-hydroxyindole)
JWH 073 (7-hydroxyindole)
JWH 073 N-(3-hydroxybutyl)
JWH 073 N-(4-hydroxybutyl)
JWH 073 N-(4-hydroxybutyl) ß-D-Glucuronide
JWH 073 N-butanoic acid
JWH 081
JWH 081 4-hydroxynaphthyl
JWH 122
JWH 122 (5-methylnaphthyl)
JWH 200
JWH 200 (5-hydroxyindole)
JWH 250
JWH 250 (5-hydroxyindole)
Ketamine
Levetiracetam
Lidocaine
Loperamide
Lorazepam
LSD
MBDB
MDA
MDEA
MDMA
MDMB-4en-PINACA
Medazepam
Memantine
Metformine
Methadone
Methamphetamine
Methaqualone
Methcathinone
Methylecgonine
Methylone
Metoclopramide
Metoprolol
Metronidazole
Mianserin
Midazolam
Mirtazepine
Moclobemide
Morphine
Naloxone
Naltrexone
Naproxen
Nicotine
Nifedipine
Nitrazepam
Norbuprenorphine
Norcocaine
Norcodeine
Nordiazepam
Norketamine
Norpseudoephedrine (Cathine)
Nortriptyline
Olanzapine
Ondansetron
Opipramol
Ornidazole
Oxazepam
Oxcarbazepine
Oxycodone
Paliperidone
Paroxetine
PB-22
PB-22 N-(5hydroxypentyl)
Pentobarbital
Pentoxifylline
Pethidine
Phencyclidine
Pheniramine
Phenobarbital
Phenytoin
Pregabalin
Prilocaine
Promethazine
Propafenone
Propranolol
Propyphenazone
Pseudoephedrine
Pyrrolidinopentiophenone (a-PVP)
Quetiapine
Ranitidine
RCS-4
RCS-4 M10 metabolite
Risperidone
Ritalinic Acid
Sertraline
THC
THC-COOH
Thebaine
Thioridazine
Tramadol
Trimipramine
UR-144
UR-144 N-(5-hydroxypentyl)
UR-144 N-pentanoic acid
Venlafaxine
XLR11
XLR11 N-(4fluoropentyl)
XLR11 N-(4-hydroxypentyl)
Xylazine
Zaleplon
Zolpidem
Zopiclone

Sample Type

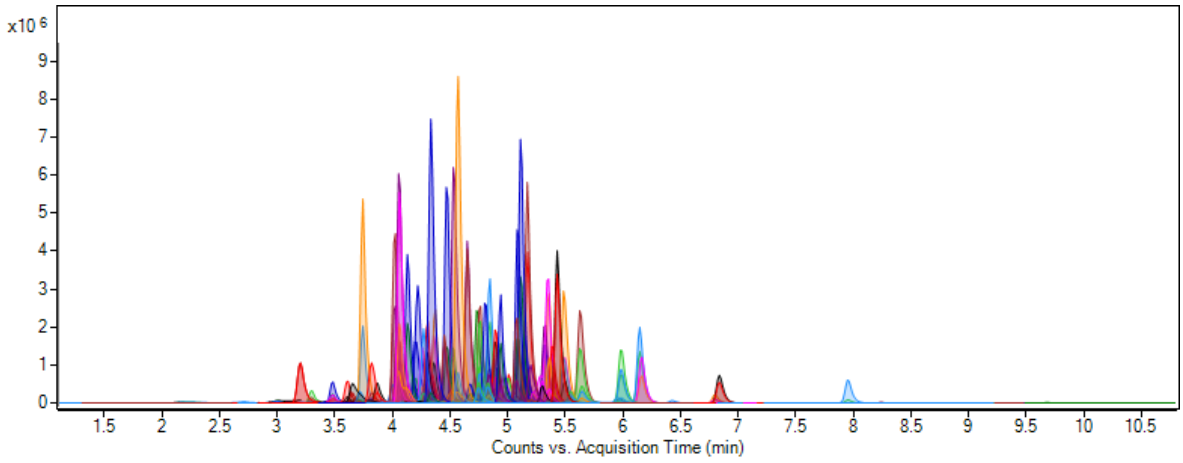
Whole blood, urine

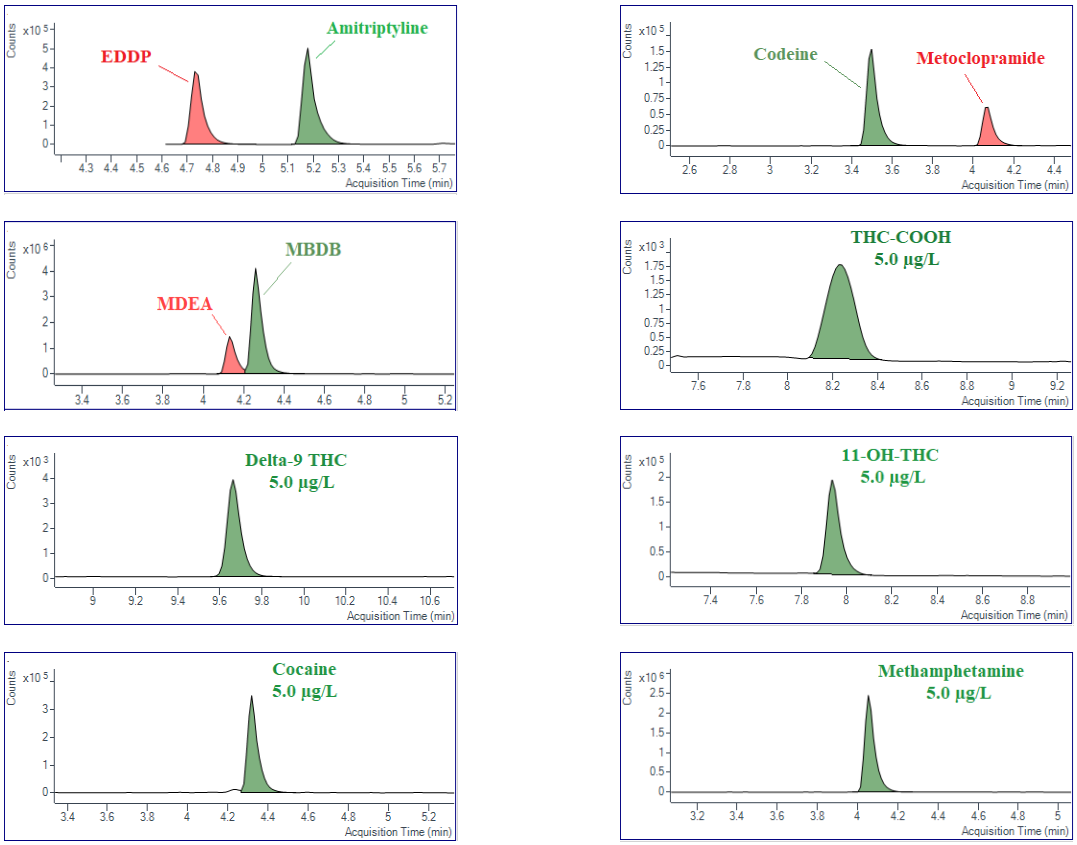
Whole Blood Sample Preparation

1	Pipette 50 µL of whole blood sample into a microcentrifuge tube
2	Add 25 µL of internal standard mixture, vortex for 5 sec.
3	Add 175 µL of Reagent-1, vortex for 10 sec. Then, centrifuge at 5000 rpm for 5 min.
4	Transfer the supernatant into an HPLC vial

Urine Sample Preparation

1	Pipette 50 µL of urine sample into glass vial
2	Add 25 µL of internal standard mixture, vortex for 5 sec.
3	Add 175 µL of Reagent-1, vortex for 10 sec.
4	Inject to the LC-MS/MS system





Total and extracted ion chromatogram

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