

Bioanalytical Solutions

Non proprietary LC-MS/MS assays

Analyte(s)	LLOQ	ULOQ	Unit	Matrix	Methodology
11-Deoxycorticosterone	10	5000	pmol/L	Plasma	LC-MS/MS
11-Deoxycortisol	25	12500	pmol/L	Plasma	LC-MS/MS
4b-Hydroxycholesterol	2	250	ng/mL	Plasma	LC-MS/MS
5-Acetylsalicylic acid	10	7500	ng/mL	Plasma	LC-MS/MS
Acetylsalicylic acid, Salicylic acid	0.05 / 0.2	10 / 40	µg/mL	Plasma	LC-MS/MS
AEA (N-Arachidonylethanolamide)	0.1	20	ng/mL	Plasma	LC-MS/MS
Aldosterone	25	2500	pg/mL	Plasma	LC-MS/MS
Aldosterone	20	10000	pmol/L	Plasma	LC-MS/MS
Alendronate	1	1000	ng/mL	Urine	LC-MS/MS
Alendronate	0.5	500	ng/mL	Plasma	LC-MS/MS
Amlodipine	50	10000	pg/mL	Plasma	LC-MS/MS
Angiotensin I, Angiotensin II	10 / 2	1000 / 200	pg/mL	Plasma	LC-MS/MS
Angiotensin II, Angiotensin 1-7	2 / 1	500 / 250	pg/mL	Plasma	LC-MS/MS
Apremilast	1	800	ng/mL	Plasma	LC-MS/MS
Aprepitant	3	3000	ng/mL	Plasma	LC-MS/MS
Aprepitant	10	10000	pg/mL	Plasma	LC-MS/MS
Atomoxetine	2	4000	ng/mL	Plasma	LC-MS/MS
Atorvastatin	0.5	250	ng/mL	Plasma	LC-MS/MS
Atorvastatin/O-hydroxy/P-hydroxy atorvastatin	200 / 100 / 20	80000 / 40000 / 8000	pg/mL	Plasma	LC-MS/MS
Azathioprine/6-Mercaptopurine	1 / 1	200 / 200	ng/mL	Plasma	LC-MS/MS
Betahistine	5	200	pg/mL	Plasma	LC-MS/MS

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Bicalutamide	2.5	2500	ng/mL	Plasma	LC-MS/MS
Bisoprolol	0.2	100	ng/mL	Plasma	LC-MS/MS
Bromocriptine	2	500	pg/mL	Plasma	LC-MS/MS
Budesonide	50	2000	pg/mL	Plasma	LC-MS/MS
Budesonide/6-OH Budesonide/ 16-OH Prednisolone	0.1 / 0.1 / 0.5	10 / 10 / 50	ng/mL	Plasma	LC-MS/MS
Budesonide/6-OH Budesonide/ 16-OH Prednisolone	0.5 / 0.5 / 2	50 / 50 / 200	ng/mL	Urine	LC-MS/MS
Buprenorphine	5	2000	pg/mL	Plasma	LC-MS/MS
Buprenorphine / Norbuprenorphine	25 / 25	10000 / 10000	pg/mL	Plasma	LC-MS/MS
Caffeine	20	5000	ng/mL	Plasma	LC-MS/MS
Caffeine (cocktail)	20	10000	ng/mL	Plasma	LC-MS/MS
Carbamazepine + Carbamazepine epoxide	100 / 20	10000 / 2000	ng/mL	Plasma	LC-MS/MS
Carvedilol	0.1	50	ng/mL	Plasma	LC-MS/MS
Celecoxib	10	10000	nmol/L	Plasma	LC-MS/MS
Citalopram	1	200	ng/mL	Plasma	LC-MS/MS
Clarithromycin	100	5000	ng/mL	Plasma	LC-MS/MS
Clindamycin	100	10000	ng/mL	Plasma	LC-MS/MS
Clozapine	5	1000	ng/mL	Plasma	LC-MS/MS
Clozapine	20	200	ng/mL	Plasma	LC-MS/MS
Codeine	1	150	ng/mL	Plasma	LC-MS/MS
COMT activity / Metanephrine	1	150	ng/mL	erythrocytes	LC-MS/MS
Coproporphyrine I / Coproporphyrine III	0.05 / 0.05	50 / 50	nmol/L	Plasma	LC-MS/MS

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Coproporphyrine I / Coproporphyrine III	0.05 / 0.02	50 / 20	nmol/L	Plasma	LC-MS/MS
Corticosterone	125	62500	pmol/L	Plasma	LC-MS/MS
Cortisol	1	500	ng/mL	Plasma	LC-MS/MS
Cortisol	1	500	ng/mL	Urine	LC-MS/MS
Cortisol	2	1000	nmol/L	Plasma	LC-MS/MS
Cotinine	1	500	ng/mL	Plasma	LC-MS/MS
Cyclosporin A	10	2500	ng/mL	Whole Blood	LC-MS/MS
Dabigatran free	0.2	200	ng/mL	Plasma	LC-MS/MS
Dabigatran total	1	1000	ng/mL	Plasma	LC-MS/MS
Desmopressin	0.5	100	pg/mL	Plasma	LC-MS/MS
Dexamethasone	1	1000	ng/mL	Plasma	LC-MS/MS
Dextromethorphan / Dextrorphan (cocktail)	0.2 / 0.5	200 / 500	ng/mL	Plasma	LC-MS/MS
Dextrorphan / Dextrometorphan (cocktail)	0.025 / 0.05	12.5 / 25	ng/mL	Plasma	LC-MS/MS
Diclofenac	10	30000	ng/mL	Plasma	LC-MS/MS
Diclofenac	0.1	50	ng/mL	Plasma	LC-MS/MS
Digoxin	0.1	100	ng/mL	Urine	LC-MS/MS
Digoxin	1	1000	ng/mL	DBS	LC-MS/MS
Digoxin	0.1	100	ng/mL	Plasma	LC-MS/MS
Digoxin	0.5	500	ng/mL	Urine	LC-MS/MS
Digoxin (cocktail)	0.02	10	ng/mL	Plasma	LC-MS/MS
Docetaxel	2.5	1000	ng/mL	Plasma	LC-MS/MS

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Dolutegravir	10	10000	ng/mL	Plasma	LC-MS/MS
Doxorubicin	50	50000	ng/mL	Plasma	LC-MS/MS
Drospirenone	0.1	100	ng/mL	Serum	LC-MS/MS
Drospirenone	0.1	100	ng/mL	Plasma	LC-MS/MS
Dydrogesterone, Dihydrodydrogesterone	0.05 / 0.5	20 / 200	pg/mL	Plasma	LC-MS/MS
Efavirenz	2	4000	ng/mL	Plasma	LC-MS/MS
Empagliflozin	2.5	400	ng/mL	Plasma	LC-MS/MS
Eprosartan	1	3000	ng/mL	Plasma	LC-MS/MS
Ergotamine	10	300	pg/mL	Plasma	LC-MS/MS
Ergotamine	25	2500	pg/mL	Plasma	LC-MS/MS
Estradiol (E2)	5	500	pg/mL	Plasma	LC-MS/MS
Estradiol / Estrone	1 / 2	250 / 500	pg/mL	Plasma	LC-MS/MS
Estriol	2.5	250	pg/mL	Plasma	LC-MS/MS
Estrone Sulfate	50	5000	pg/mL	Plasma	LC-MS/MS
Estrone Sulfate	50	5000	pg/mL	Serum	LC-MS/MS
Ethinylestradiol	1	500	pg/mL	Plasma	LC-MS/MS
Ethinylestradiol / Levonorgestrel	2.5 / 25	250 / 25000	pg/mL	Plasma	LC-MS/MS
Etonogestrel	25	25000	pg/mL	Plasma	LC-MS/MS
Etoposide	1	1000	ng/mL	Plasma	LC-MS/MS
Exemestane	50	20000	pg/mL	Plasma	LC-MS/MS
Felodipine	50	10000	pg/mL	Plasma	LC-MS/MS

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Fenofibric Acid	10	5000	ng/mL	Plasma	LC-MS/MS
Fentanyl	25	5000	pg/mL	Serum	LC-MS/MS
Fexofenadine	1	600	ng/mL	Plasma	LC-MS/MS
Finasteride	0.5	100	ng/mL	Plasma	LC-MS/MS
Fluconazole	15	15000	ng/mL	Plasma	LC-MS/MS
Fluvoxamine	0.2	100	ng/mL	Plasma	LC-MS/MS
Gabapentin	50	10000	ng/mL	Plasma	LC-MS/MS
Gliclazide	5	2500	ng/mL	Plasma	LC-MS/MS
Goserelin	0.2	25	ng/mL	Plasma	LC-MS/MS
Granisetron	0.1	10	ng/mL	Plasma	LC-MS/MS
Hydrochlorothiazide (HCTZ)	1	150	ng/mL	Plasma	LC-MS/MS
Ibuprofen	200	50000	ng/mL	Plasma	LC-MS/MS
Ibuprofen chiral	0.25	30	µg/mL	Plasma	LC-MS/MS
Iloprost	10	400	pg/mL	Plasma	LC-MS/MS
Indapamide/Perindopril/ Perindoprilat	0.5 / 0.25 / 0.25	100 / 50 / 50	ng/mL	Plasma	LC-MS/MS
Indomethacin	20	2000	ng/mL	Plasma	LC-MS/MS
Irbesartan	5	7500	ng/mL	Plasma	LC-MS/MS
Itraconazole	0.5	500	ng/mL	Plasma	LC-MS/MS
Ketamine	1	1000	nmol/L	Plasma	LC-MS/MS
Ketoconazole	5	5000	ng/mL	Serum	LC-MS/MS
Lamotrigine	10	800	ng/mL	Plasma	LC-MS/MS

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Lamotrigine	10	10000	nmol/L	Plasma	LC-MS/MS
LEA (N-Linoleoylethanolamide)	0.5	100	ng/mL	Plasma	LC-MS/MS
Lercanidipine chiral	20	10000	pg/mL	Plasma	LC-MS/MS
Letrozole	10	300	ng/mL	Plasma	LC-MS/MS
Levonorgestrel	25	25000	pg/mL	Plasma	LC-MS/MS
Lisinopril	1	500	ng/mL	Plasma	LC-MS/MS
Losartan / Losartan Carboxylic Acid (E-3174) (cocktail)	0.5 / 0.5	500 / 500	ng/mL	Plasma	LC-MS/MS
Meloxicam	10	2000	ng/mL	Plasma	LC-MS/MS
Memantine	20	20000	ng/mL	Urine	LC-MS/MS
Memantine	0.5	500	ng/mL	Plasma	LC-MS/MS
Metformin	10	5000	ng/mL	Plasma	LC-MS/MS
Metformin	1	2500	ng/mL	Plasma	LC-MS/MS
Metformin	10	10000	ng/mL	Urine	LC-MS/MS
Metformin	0.1	250	ng/mL	Plasma	LC-MS/MS
Methocarbamol	0.4	40	µg/mL	Plasma	LC-MS/MS
Methyl-Nicotinamide	1	1000	ng/mL	Plasma	LC-MS/MS
Methyl-Nicotinamide	70	70000	ng/mL	Urine	LC-MS/MS
Methylphenidate	0.1	100	ng/mL	Plasma	LC-MS/MS
Methylprednisolone	0.5	50	ng/mL	Plasma	LC-MS/MS
Metoprolol/Hydroxymetoprolol	0.25 / 0.1	250 / 100	ng/mL	Plasma	LC-MS/MS
Midazolam / 1-OH-Midazolam (cocktail)	0.15 / 0.05	75 / 25	ng/mL	Plasma	LC-MS/MS

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Midazolam / 1-OH-Midazolam (cocktail)	0.1 / 0.2	100 / 200	ng/mL	Plasma	LC-MS/MS
Midazolam / 1-OH-Midazolam	0.05	50	ng/mL	Plasma	LC-MS/MS
Midazolam / 1-OH-Midazolam	3	3000	pg/mL	Plasma	LC-MS/MS
Moexipril	1	250	ng/mL	Plasma	LC-MS/MS
Molindone	0.5	192	ng/mL	Plasma	LC-MS/MS
Morphine / Morphine-3-glucuronide / Morphine-6-glucuronide	0.5	200	ng/mL	Plasma	LC-MS/MS
Moxifloxacin	10	5000	ng/mL	Plasma	LC-MS/MS
N-Acetyl-5-Acetylsalicylic acid	20	10000	ng/mL	Plasma	LC-MS/MS
Niacin (Nicotinic Acid) / Nicotinic acid	50	750	ng/mL	Plasma	LC-MS/MS
Nicotinamide	10	50000	ng/mL	Plasma	LC-MS/MS
Nicotine	0.2	100	ng/mL	Plasma	LC-MS/MS
Nintedanib	0.25	250	ng/mL	Plasma	LC-MS/MS
Norethindrone	25	25000	pg/mL	Serum	LC-MS/MS
Norethindrone / Ethinylestradiol	25 / 2.5	25000 / 250	pg/mL	Plasma	LC-MS/MS
Octreotide	15	30000	pg/mL	Plasma	LC-MS/MS
OEA (N-Oleylethanolamide)	0.5	100	ng/mL	Plasma	LC-MS/MS
Omeprazole	1	1500	ng/mL	Plasma	LC-MS/MS
Omeprazole / 5-OH-Omeprazole	1 / 1	1500 / 1500	ng/mL	Plasma	LC-MS/MS
Omeprazole / 5-OH-Omeprazole (cocktail)	1 / 0.5	500 / 250	ng/mL	Plasma	LC-MS/MS
Omeprazole / 5-OH-Omeprazole (cocktail)	0.4 / 0.4	400 / 400	ng/mL	Plasma	LC-MS/MS
Ondansetron	0.1	50	ng/mL	Plasma	LC-MS/MS

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Oxybutynin / N-Desethyloxybutynin	0.1	75	ng/mL	Plasma	LC-MS/MS
Paclitaxel	5	5000	ng/mL	Plasma	LC-MS/MS
Paracetamol (Acetaminophen)	0.05	50	µg/mL	Plasma	LC-MS/MS
Paraxanthine	20	5000	ng/mL	Plasma	LC-MS/MS
PEA (N-Palmitoylethanolamide)	0.5	100	ng/mL	Plasma	LC-MS/MS
PEMA (phenylethylmalonamide)	0.1	50	ng/mL	Plasma	LC-MS/MS
Phenobarbital	0.2	100	ng/mL	Plasma	LC-MS/MS
Pirfenidone	100	50000	ng/mL	Plasma	LC-MS/MS
Plasma Renin Activity (Angiotensin I)	10	1000	pg/mL	Plasma	LC-MS/MS
Pravastatin / 3-Hydroxypravastatin	0.5	250	ng/mL	Plasma	LC-MS/MS
Pravastatin / 3-Hydroxypravastatin	0.05 / 0.05	100 / 100	ng/mL	Plasma	LC-MS/MS
Primidone	1	500	ng/mL	Plasma	LC-MS/MS
Progesterone	0.1	100	ng/mL	Plasma	LC-MS/MS
Progesterone	0.05	20	pg/mL	Plasma	LC-MS/MS
Promethazine	200	50000	pg/mL	Plasma	LC-MS/MS
Propafenone and N-despropyl- & 5-Hydroxypropafenone	0.25 / 0.25 / 0.25	50 / 25 / 25	ng/mL	Plasma	LC-MS/MS
Propoxyphene / Norpropoxyphene	1	750	ng/mL	Plasma	LC-MS/MS
Pseudoephedrine	2	500	ng/mL	Plasma	LC-MS/MS
Repaglinide	200	75000	pg/mL	Serum	LC-MS/MS
Repaglinide + metabolites M1 / M4	0.02 / 0.02 / 0.02	20 / 20 / 20	nmol/L	Plasma	LC-MS/MS
Ribavirin	10	1000	ng/mL	Plasma	LC-MS/MS

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Rifampin	50	25000	ng/mL	Plasma	LC-MS/MS
Risperidone	0.1	200	ng/mL	Plasma	LC-MS/MS
Rivastigmine	0.1	20	ng/mL	Plasma	LC-MS/MS
Rosuvastatin	0.1	50	ng/mL	Plasma	LC-MS/MS
Sertraline	0.25	100	ng/mL	Plasma	LC-MS/MS
Sildenafil + N-Desmethylsildenafil	1 / 0.5	1000 / 500	ng/mL	Plasma	LC-MS/MS
Simvastatin / Simvastatin Hydroxyacid	0.1 / 0.1	50 / 50	ng/mL	Plasma	LC-MS/MS
Simvastatin / Simvastatin Hydroxyacid	0.01	50	ng/mL	Plasma	LC-MS/MS
Sitagliptin	100	25000	pg/mL	Plasma	LC-MS/MS
Tacrolimus	0.1	60	ng/mL	Whole Blood	LC-MS/MS
Temazepam	20	1500	ng/mL	Plasma	LC-MS/MS
Testosterone	100	10000	pg/mL	Plasma	LC-MS/MS
Tolbutamide (cocktail)	50	25000	ng/mL	Plasma	LC-MS/MS
Topiramate	10	1000	ng/mL	Plasma	LC-MS/MS
Trazodone	10	2000	ng/mL	Plasma	LC-MS/MS
Tropium	20	20000	pg/mL	Plasma	LC-MS/MS
Tryptophan, kynurenic acid, kynurenine, and quinolinic acid	2000 / 5 / 100 / 50	200000 / 500 / 10000 / 5000	nmol/L	Plasma	LC-MS/MS
Warfarin chiral	10	3000	ng/mL	Plasma	LC-MS/MS