

# METHODS LIBRARY

Analyte(s)	Therapeutic Class	Method of Analysis	Calibration Curve Range	Biological Matrix
7-alpha thiomethyl spironolactone	Diuretic	LC/MS/MS	10 - 800 ng/mL	Plasma
Abacavir & Lamivudine	Antiretroviral	LC/MS/MS	80-12000 ng/mL & 50-7000 ng/mL	Plasma
Abacavir, Lamivudine & Zidovudine	Antiretroviral	LC/MS/MS	80-8000 ng/mL, 50-5000 ng/mL & 50-5000ng/mL	Plasma
Abiraterone	Prostate cancer treatment	LC/MS/MS	0.1-2000 ng/mL	Plasma
Acamprosate	Anti alcohol dependence	LC/MS/MS	2-400 ng/mL	Plasma
Aceclofenac	Anti inflammatory	LC/MS/MS	200-20000 ng/mL	Plasma
Acetaminophen & Diphenhydramine	Antipyretic & Antihistamine	LC/MS/MS	100-20000 ng/mL & 0.5-200 ng/mL	Plasma
Acetazolamide	Diuretic	LC/MS/MS	0.8-60 µg/mL	Plasma
Acitretin & 13 Cis Acitretin	Psoriasis treatment	LC/MS/MS	5-1000 ng/mL & 4-150 ng/mL	Plasma
Acyclovir	Antiviral	LC/MS/MS	10-2000 ng/mL	Plasma
Acyclovir & Valacyclovir	Antiviral	LC/MS/MS	10-1000 ng/mL & 100-12000 ng/mL	Plasma
Albuterol	Bronchodilator	LC/MS/MS	100-30000 pg/mL & 20-2000 pg/mL	Plasma
Alendronate	Osteoporosis treatment	LC/MS/MS	1-100 ng/mL	Plasma
Allopurinol	Gout treatment	LC/MS/MS	50-4000 ng/mL & 50-5000 ng/mL	Plasma
Alosetron	Irritable Bowel Syndrome treatment	LC/MS/MS	25-20000 pg/mL	Plasma

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Analyte(s)	Therapeutic Class	Method of Analysis	Calibration Curve Range	Biological Matrix
Alprazolam	Antianxiety	LC/MS/MS	0.1-50 ng/mL	Plasma
Ambrisentan	Antihypertensive (pulmonary)	LC/MS/MS	20-5000 ng/mL	Plasma
Amiloride	Antihypertensive	LC/MS/MS	0.1-20 ng/mL	Plasma
Amiodarone	Antiarrhythmic	LC/MS/MS	3- 1500 ng/mL	Plasma
Amlodipine	Antihypertensive	LC/MS/MS	100-15000 pg/mL	Plasma
Amphetamine & Methamphetamine	CNS stimulant	LC/MS/MS	50-5000 pg/mL & 100-12000 pg/mL	Plasma
Anastrozole	Antineoplastic	LC/MS/MS	0.2-30 ng/mL	Plasma
Apixaban	Anticoagulant	LC/MS/MS	1-500 ng/mL	Plasma
Apremilast	Psoriasis treatment	LC/MS/MS	5-1000 ng/mL	Plasma
Aprepitant	Antiemetic	LC/MS/MS	10-5000 ng/mL	Plasma
Armodafinil	CNS stimulant	LC/MS/MS	200-15000 ng/mL	Plasma
Artemether (Lumefantrine)	Antimalarial	LC/MS/MS	2 – 250 ng/mL	Plasma
Asenapine & N-desmethyl asenapine	Antipsychotic	LC/MS/MS	50-20000 pg/mL & 52-4000 pg/mL	Plasma
Aspirin (Salicylic acid & Dipyridamole)	Analgesic	LC/MS/MS	10-2000 ng/mL	Plasma
Atazanavir	Antiretroviral	LC/MS/MS	20-7000 ng/mL	Plasma
Atomoxetine	ADHD treatment	LC/MS/MS	5-1500 ng/mL	Plasma
Atorvastatin, o-OH Atorvastatin & p-OH Atorvastatin	Dyslipidemia treatment	LC/MS/MS	0.5-250 ng/mL, 0.2-250 ng/mL & 0.2-20 ng/mL	Plasma
Atovaquone	Antiparasitic	LC/MS/MS	50-8000 ng/mL	Plasma
Axitinib	Antineoplastic	LC/MS/MS	0.2-60 ng/mL & 0.2-150 ng/mL	Plasma
Azithromycin	Antibiotic	LC/MS/MS	2-1000 ng/mL	Plasma
Bexarotene	Antineoplastic	LC/MS/MS	1-200 ng/mL & 1-600 ng/mL	Plasma
Bezafibrate	Antihyperlipidemia	LC/MS/MS	0.1-20 µg/mL	Plasma
Bicalutamide	Anticancer	LC/MS/MS	20-3000 ng/mL	Plasma
Bismuth	Antacid	ICPMS	0.3-120 ng/mL	Plasma
Bosentan	Endothelin receptor antagonist	LC/MS/MS	10-4000 ng/mL	Plasma
Budesonide	Asthma treatment	LC/MS/MS	10-4000 pg/mL	Plasma
Bumetanide	Diuretic	LC/MS/MS	0.2-200 ng/mL	Plasma
Calcium	Electrolyte	ICPMS	100-10000 µg/gm	Bone/skin

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Canagliflozin	Antidiabetic	LC/MS/MS	25-6000 ng/mL	Plasma
Candesartan	Antihypertensive	LC/MS/MS	2-500 ng/mL	Plasma
Carisoprodol	Skeletal muscle relaxant	LC/MS/MS	20-5000 ng/mL	Plasma
Celecoxib	NSAID	LC/MS/MS	20-4000 ng/mL	Plasma
Cetirizine	Antihistaminic	LC/MS/MS	4-600 ng/mL	Plasma
Chlorpheniramine & Pseudoephedrine (Ibuprofen)	Antihistaminic & Decongestant	LC/MS/MS	0.3-40 ng/mL & 3-400 ng/mL	Plasma
Chlorpromazine & 7 Hydroxy chlorpromazine	Antipsychotic	LC/MS/MS	0.1-200 ng/mL	Plasma
Chlorthalidone	Diuretic	LC/MS/MS	10-6000 ng/mL	Plasma
Cinacalcet	Calcimimetic	LC/MS/MS	0.220-110 ng/mL	Plasma
Cinnarizine	Antihistaminic	LC/MS/MS	0.5-150 ng/mL	Plasma
Ciprofloxacin	Antibiotic	LC/MS/MS	50-8000 ng/mL	Plasma
Clarithromycin	Antibiotic	LC/MS/MS	10-5000 ng/mL	Plasma
Clopidogrel	Antithrombotic	LC/MS/MS	50-14000 pg/mL	Plasma
Colchicine	Antigout	LC/MS/MS	50-8000 pg/mL	Plasma
Cyclobenzaprine	Skeletal muscle relaxant	LC/MS/MS	0.25-50 ng/mL	Plasma
Cycloserine	Antibacterial (Tuberculostatic)	LC/MS/MS	250-20000 ng/mL	Plasma
Dabigatran (free)	Anticoagulant	LC/MS/MS	0.5-400 ng/mL	Plasma
Dabigatran (total)	Anticoagulant	LC/MS/MS	0.5-400 ng/mL	Plasma
Daclatasvir	Hepatitis C treatment	LC/MS/MS	10-3000 ng/mL	Plasma
Danazol	Androgenic	LC/MS/MS	0.5-400 ng/mL	Plasma
Dapsone	Antibacterial (Leprosy)	LC/MS/MS	20-4500 ng/mL	Plasma
Darifenacin	Urinary incontinence	LC/MS/MS	40-20000 pg/mL	Plasma
Darunavir & Ritonavir	Antiretroviral	LC/MS/MS	100-14000 ng/mL & 12-3000 ng/mL	Plasma
Dasatinib	Anticancer	LC/MS/MS	1-300 ng/mL	Plasma
Deferasirox	Oral iron chelator	LC/MS/MS	0.101-60.800 µg/mL	Plasma
Demeclocycline	Antibiotic	LC/MS/MS	30-6000 ng/mL	Plasma
Dexamphetamine	CNS stimulant	LC/MS/MS	0.4-80 ng/mL	Plasma

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Dexibuprofen	NSAID	LC/MS/MS	300-60000 ng/mL	Plasma
Dexlansoprazole	Antiulcer (PPI)	LC/MS/MS	20-3000 ng/mL	Plasma
Diflunisal	Antiinflammatory	LC/MS/MS	1-100 µg/mL	Plasma
Diltiazem and its metabolites N-Des methyl Diltiazem and Des acetyl Diltiazem	Nondihydropyridine Calcium channel blocker	LC/MS/MS	2-360 ng/mL, 0.8 to 100 ng/mL & 0.4 to 40 ng/mL	Plasma
Dipyridamole (Aspirin & Salicylic acid)	Antithrombotic	LC/MS/MS	15-6000 ng/mL	Plasma
Docetaxel	Anticancer	LC/MS/MS	10-6000 ng/mL	Plasma
Domperidone	Antiemetic	LC/MS/MS	0.1-30 ng/mL	Plasma
Donepezil	Alzheimer's disease treatment	LC/MS/MS	0.1-30 ng/mL	Plasma
Doxazosin	Antihypertensive	LC/MS/MS	0.04-16 ng/mL	Plasma
Doxepin & Nor Doxepin	Antidepressant	LC/MS/MS	50-40000 & 100-25000 pg/mL; 0.3-200ng/mL & 0.3-40 ng/mL	Plasma
Dronedaron & Desbutyl dronedarone	Anti arrhythmic	LC/MS/MS	0.5-250 ng/mL	Plasma
Eletriptan	Migraine treatment	LC/MS/MS	0.5-400 ng/mL	Plasma
Eltrombopag	Low platelet counts treatment	LC/MS/MS	100-20000 ng/mL	Plasma
Empagliflozin	Antidiabetic	LC/MS/MS	5-1000 ng/mL	Plasma
Eperisone & Diclofenac	Antispasmodic; Anti-inflammatory	LC/MS/MS	0.02-10 ng/mL & 28.125-3375 ng/mL	Plasma
Erythromycin	Antibiotic	LC/MS/MS	20-6000 ng/mL	Plasma
Escitalopram	Antidepressant	LC/MS/MS	0.2-40 ng/mL	Plasma
Esomeprazole	Antiulcer (PPI)	LC/MS/MS	5-3500 ng/mL	Plasma
Eszopiclone	Hypnotic	LC/MS/MS	1-200 ng/mL	Plasma
Ethacrynic acid	Diuretic	LC/MS/MS	1-1500 ng/mL	Plasma
Ethambutol	Antibacterial (Tuberculostatic)	LC/MS/MS	30-2000 ng/mL	Plasma
Etodolac	NSAID	LC/MS/MS	500-80000 ng/mL	Plasma
Etoricoxib	NSAID	LC/MS/MS	30-6000 ng/mL	Plasma
Etravirine	Antiretroviral	LC/MS/MS	10-1600 ng/mL	Plasma
Everolimus	Immunosuppressant	LC/MS/MS	50-25000 pg/mL	Whole blood
Ezetimibe (Total)	Dyslipidemia treatment	LC/MS/MS	0.5-200 ng/mL	Plasma
Famotidine	Gastroesophageal Reflux Disease treatment	LC/MS/MS	1-300 ng/mL	Plasma
Febuxostat	Antigout	LC/MS/MS	10-8000 ng/mL	Plasma
Felbamate	Anticonvulsant	LC/MS/MS	300-60000 ng/mL	Plasma
Felodipine	Antihypertensive	LC/MS/MS	0.1 – 20 ng/mL	Plasma
Fenofibric acid	Antihyperlipidemic	LC/MS/MS	0.2-20 µg/mL	Plasma

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Fingolimod & Fingolimod Phosphate	Immunosuppressant	LC/MS/MS	50-5000 pg/mL & 50-5000 pg/mL	Whole blood
Fluconazole	Antifungal	LC/MS/MS	80-8000 ng/mL	Plasma
Fluoxetine and Norfluoxetine	Antidepressant	LC/MS/MS	0.4-100 ng/mL & 0.4-100 ng/mL	Plasma
Fluticasone Propionate	Corticosteroid	LC/MS/MS	1-200 pg/mL	Plasma
Folic acid	Folate deficiency Treatment	LC/MS/MS	2-700 ng/mL	Serum
Frovatriptan	Migraine treatment	LC/MS/MS	40-15000 pg/mL	Plasma
Gabapentin	Anticonvulsant	LC/MS/MS	80-8000 ng/mL	Plasma
Gadolinium	MRI Contrast Agent	ICPMS	0.05-40.0 µg/gm	Skin
Gadolinium	MRI Contrast Agent	ICPMS	0.05-20 µg/gm	Bone
Glimepiride	Antidiabetic	LC/MS/MS	1-200 ng/mL & 2-600 ng/mL	Plasma
Glipizide	Antidiabetic	LC/MS/MS	2-2000 ng/mL	Plasma
Granisetron & 7-hydroxy granisetron	Antiemetic	LC/MS/MS	100-15000 ng/mL & 10-2000 ng/mL	Plasma
Griseofulvin	Antifungal	LC/MS/MS	10-2400 ng/mL	Plasma
Guaifenesin & Dextromethorphan	Expectorant	LC/MS/MS	30-5000 ng/mL & 0.1-40 ng/mL	Plasma
Hydrochlorothiazide	Antihypertensive	LC/MS/MS	3-300 ng/mL	Plasma
Ibuprofen	NSAID	LC/MS/MS	250-40000 ng/mL	Plasma
Ibuprofen (Pseudoephedrine, Chlorpheniramine & Methocarbamol)	NSAID	LC/MS/MS	495-60000 ng/mL	Plasma
Imatinib	Antineoplastic	LC/MS/MS	60-6000 ng/mL	Plasma
Imatinib & N-Desmethyl Imatinib	Antineoplastic	LC/MS/MS	60-6000 ng/mL & 8-600 ng/mL	Plasma
Indomethacin	NSAID	LC/MS/MS	75-6000 ng/mL	Plasma
Insulin	Antidiabetic	LC/MS/MS	0.2-20 ng/mL	Plasma
Insulin & C-Peptide	Antidiabetic	ECLIA	0.16-7.214 ng/mL and 0.188-7.050 ng/mL	Plasma
Insulin Glargine and M1, M2 metabolites	Antidiabetic	LC/MS/MS	0.2-12 ng/mL, 0.2-12 ng/mL 0.2-12 ng/mL	Plasma
Irbesartan	Antihypertensive	LC/MS/MS	60-8000 ng/mL	Plasma
Iron	Electrolyte	ICPMS	6-600 µg/gm	Bone/Skin
Isoniazid, Ethambutol & Pyrazinamide(Rifampicin)	Antitubercular	LC/MS/MS	112-12000 ng/mL, 75-4000 ng/mL & 750-40000 ng/mL	Plasma
Itraconazole and its metabolite OH itraconazole	Antifungal	LC/MS/MS	0.5-500 ng/mL & 0.5-500 ng/mL	Plasma
Ketoconazole	Antifungal	LC/MS/MS	20.1-8000 ng/mL	Plasma
Ketorolac	NSAID	LC/MS/MS	5-2000 ng/mL	Plasma

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Analyte(s)	Therapeutic Class	Method of Analysis	Calibration Curve Range	Biological Matrix
Labetalol	Antihypertensive	LC/MS/MS	2-400 ng/mL	Plasma
Lacidipine	Calcium channel blocker	LC/MS/MS	50-20000 pg/mL	Plasma
Lamivudine	Antiretroviral	LC/MS/MS	50-7000 ng/mL	Plasma
Lamivudine & Zidovudine	Antiretroviral	LC/MS/MS	20-3200 ng/mL & 40-5000 ng/mL	Plasma
Lamivudine (Tenofovir)	Antiretroviral	LC/MS/MS	50-5000 ng/mL	Plasma
Lamivudine, Stavudine & Nevirapine	Antiretroviral	LC/MS/MS	30-3000 ng/mL, 20-2000 ng/mL & 50-3200 ng/mL	Plasma
Lamotrigine	Anticonvulsant	LC/MS/MS	10-5000 ng/mL	Plasma
Lansoprazole	Antiulcer (PPI)	LC/MS/MS	20-2000 ng/mL	Plasma
Lanthanum	Hyperphosphatemia treatment	ICPMS	100-3000 pg/mL	Plasma
Ledipasvir	Hepatitis C treatment	LC/MS/MS	3-1200 ng/mL	Plasma
Leflunomide A771726	Antirheumatic	LC/MS/MS	40-3000 ng/mL	Plasma
Letrozole	Antineoplastic	LC/MS/MS	1-80 ng/mL	Plasma
Leucovorin & 5-methyl tetrahydrofolic acid	Chemo protectant	LC/MS/MS	5-1000 ng/mL & 5-1000 ng/mL	Plasma
Levetiracetam	Anticonvulsant	LC/MS/MS	0.5-50 µg/mL	Plasma
Levocetirizine	Antiallergic	LC/MS/MS	4-600 ng/mL	Plasma
Levodopa & Carbidopa	Parkinsonism treatment	LC/MS/MS	10-3000 ng/mL & 2-200 ng/mL	Plasma
Liothyronine	Hypothyroidism treatment	LC/MS/MS	0.2-20 ng/mL	Plasma
Lisinopril	Antihypertensive	LC/MS/MS	1-100 ng/mL	Plasma
Lisinopril	Antihypertensive	LC/MS/MS	1-600 ng/mL	Plasma
Losartan & Losartan carboxylic acid	Antihypertensive	LC/MS/MS	10-2000 ng/mL & 10-2000 ng/mL	Plasma
Lumefantrine (Artemether)	Antimalarial	LC/MS/MS	100-20000 ng/mL	Plasma
Lurasidone	Antipsychotic	LC/MS/MS	0.4-400 ng/mL	Plasma
Macitentan	Endothelin receptor antagonist	LC/MS/MS	2-2000 ng/mL	Plasma
Megestrol acetate	Appetite stimulant/antineoplastic	LC/MS/MS	2-2400 ng/mL	Plasma
Memantine + Donepezil	Alzheimer's disease treatment	LC/MS/MS	0.1-50 ng/mL & 0.4-80 ng/mL	Plasma
Metaxalone	Muscle relaxant	LC/MS/MS	25-8000 ng/mL	Plasma
Metformin	Antidiabetic	LC/MS/MS	5-2000 ng/mL & 20-2000 ng/mL	Plasma

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Analyte(s)	Therapeutic Class	Method of Analysis	Calibration Curve Range	Biological Matrix
Metformin & Glimepiride	Antidiabetic	LC/MS/MS	10-3000 ng/mL & 2-300 ng/mL	Plasma
Methimazole	Antithyroid	LC/MS/MS	5-800 ng/mL	Plasma
Methocarbamol (Ibuprofen, Pseudoephedrine & Chlorpheniramine)	Muscle relaxant	LC/MS/MS	200-20000 ng/mL	Plasma
Methotrexate	Antineoplastic & Antirheumatic	LC/MS/MS	2-400 ng/mL	Plasma
Metoprolol	Antihypertensive	LC/MS/MS	2-1600 ng/mL	Plasma
Metronidazole and Tetracycline	Antibiotic & Antiprotozoal	LC/MS/MS	100-20000 ng/mL & 20-4000 ng/mL	Plasma
Midazolam	Anticonvulsant; Sedative	LC/MS/MS	1-140 ng/mL	Plasma
Mifepristone	Abortifacient	LC-MS/MS	20-4000 ng/mL	Plasma
Mirabegron	Over reactive bladder treatment	LC/MS/MS	0.2-100 ng/mL	Plasma
Montelukast	Asthma treatment	LC/MS/MS	3-800 ng/mL	Plasma
Moxifloxacin	Antibacterial	LC/MS/MS	0.02-6 µg/mL	Plasma
Nepafenac & Amfenac	NSAID	LC/MS/MS	3-600 ng/mL & 1-200 ng/mL	Aqueous surrogate matrix
Nevirapine	Antiretroviral	LC/MS/MS	25-5000 ng/mL	Plasma
Niacin & Nicotinuric acid	Antihyperlipidemic	LC/MS/MS	50-20000 ng/mL & 10-7000 ng/mL	Plasma
Nicorandil	Vasodilator	LC/MS/MS	5-1200 ng/mL	Plasma
Nifedipine	Antihypertensive	LC/MS/MS	1-100 ng/mL, 1-300 ng/mL & 1-400 ng/mL	Plasma
Nilotinib	Antineoplastic	LC/MS/MS	3-900 ng/mL	Plasma
Nisoldipine	Antihypertensive	LC/MS/MS	40-16000 pg/mL	Plasma
Octreotide	Somatostatic agent	LC/MS/MS	15-8000 pg/mL	Plasma
Olanzapine	Antipsychotic	LC/MS/MS	0.2-40 ng/mL	Plasma
Olmesartan	Antihypertensive	LC/MS/MS	10-4000 ng/mL	Plasma
Omeprazole	Antiulcer (PPI)	LC/MS/MS	10-3200 ng/mL	Plasma
Oseltamivir & Oseltamivir Carboxylate	Influenza A and B treatment	LC/MS/MS	0.5-200 ng/mL & 2-800 mg/mL	Plasma
Oxybutynin & Desethyl Oxybutynin	Urinary incontinence	LC/MS/MS	0.1-30 ng/mL & 0.2-120 ng/mL	Plasma
Paliperidone	Antipsychotic	LC/MS/MS	0.2-30 ng/mL	Plasma
Pantoprazole	Antiulcer (PPI)	LC/MS/MS	50-5000 ng/mL	Plasma

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Analyte(s)	Therapeutic Class	Method of Analysis	Calibration Curve Range	Biological Matrix
Paracetamol	Antipyretic, analgesic	LC/MS/MS	100-20000 ng/mL	Plasma
Paroxetine	Antidepressant	LC/MS/MS	0.2-40 ng/mL	Plasma
Phenytoin	Antiepileptic	LC/MS/MS	20-10000 ng/mL	Plasma
Phosphorus	Electrolyte	ICPMS	200-10000 µg/gm	Bone/skin
Phosphorus	Electrolyte	ICPMS	10-1000 µg/mL	Urine
Pomalidomide	Immunomodulator	LC/MS/MS	0.5-150 ng/mL	Plasma
Potassium	Electrolyte	ICPMS	50-2000 µg/mL	Urine
Potassium	Electrolyte	ICPMS	200-10000 µg/gm	Bone/skin
Pramipexole	Antiparkinsonian	LC/MS/MS	50-2000 pg/mL	Plasma
Praziquantel	Anthelmintic	LC/MS/MS	10-5000 ng/mL	Plasma
Pregabalin	Anticonvulsant	LC/MS/MS	100-15000 ng/mL	Plasma
Progesterone	Hormone	LC/MS/MS	300-800000 pg/mL	Plasma
Proguanil & Cycloguanil	Antiparasitic	LC/MS/MS	1-300 ng/mL & 1-300 ng/mL	Plasma
Propafenone & 5 hydroxy propafenone	Anti-arrhythmic	LC/MS/MS	0.1-400 ng/mL & 0.1-400 ng/mL	Plasma
Propofol	General anesthesia	LC/MS/MS	50-5000 ng/mL	Plasma
Prothionamide	Antibacterial (Tuberculostatic)	LC/MS/MS	30-2800 ng/mL	Plasma
Protryptiline	Antidepressant	LC/MS/MS	0.2-30 ng/mL	Plasma
Quetiapine	Antipsychotic	LC/MS/MS	4 -1000 ng/ml	Plasma
Rabeprazole	Antiulcer (PPI)	LC/MS/MS	5-2000 ng/mL	Plasma
Raloxifene	Antiosteoporotic	LC/MS/MS	30-900 pg/mL	Plasma
Ramipril & Ramiprilat	Antihypertensive	LC/MS/MS	0.2-50 ng/mL & 0.2-50 ng/mL	Plasma
Ranitidine	Antiulcer (H2 blocker)	LC/MS/MS	10-2000 ng/mL	Plasma
Ranolazine	Angina treatment	LC/MS/MS	8-4000 ng/mL	Plasma
Rifampicin & Desacetylrifampicin (Isoniazid, Ethambutol & Pyrazinamide)	Antitubercular	LC/MS/MS	100-20000 ng/mL & 100-12000 ng/mL	Plasma
Risperidone	Antipsychotic	LC/MS/MS	0.100-14.000 ng/mL	Plasma
Rivaroxaban	Anticoagulant	LC/MS/MS	2-1000 ng/mL	Plasma
Rizatriptan	Migraine treatment	LC/MS/MS	0.2-80 ng/mL	Plasma

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Rosuvastatin	Dyslipidemia treatment	LC/MS/MS	0.3-100 ng/mL	Plasma
Salicylic Acid (Aspirin & Dipyridamole)	Anti-inflammatory & Keratolytic	LC/MS/MS	250-16000 ng/mL	Plasma
Sarpogrelate and its M1metabolite	Antagonist to 5HT receptors	LC/MS/MS	5-1800 ng/mL & 2-200 ng/mL	Plasma
Selegiline & N-Desmethyl Selegiline	Antidepressant	LC/MS/MS	10-16000 pg/mL & 50-30000 pg/mL	Plasma
Sertraline	Antidepressant	LC/MS/MS	0.25-50 ng/mL	Plasma
Sildenafil & N-desmethyl sildenafil	Erectile dysfunction treatment	LC/MS/MS	4.5-2200 ng/mL & 4-2000 ng/mL; 1-800 ng/mL & 0.4-400 ng/mL	Plasma
Simvastatin & $\beta$ Hydroxy simvastatin	Dyslipidemia treatment	LC/MS/MS	0.1-40 ng/mL	Plasma
Simvastatin, $\beta$ Hydroxy simvastatin & Ezetimibe (free)	Dyslipidemia treatment	LC/MS/MS	0.1-40 ng/mL, 0.1-40 ng/mL & 0.1-10 ng/mL	Plasma
Sodium	Electrolyte	ICPMS	200-10000 $\mu$ g/gm	Bone/Skin
Sofosbuvir	Hepatitis C treatment	LC/MS/MS	2-4000 ng/mL	Plasma
Sofosbuvir and GS-331007	Hepatitis C treatment	LC/MS/MS	10-1200 ng/mL & 14-2800 ng/mL; 2-6000 ng/mL & 14-2800 ng/mL	Plasma
Solifenacin	Antimuscarinic	LC/MS/MS	0.5-150 ng/mL	Plasma
Sorafenib	Anticancer	LC/MS/MS	30-8000 ng/mL	Plasma
Spirolactone & Canrenone	Diuretic	LC/MS/MS	5-400 ng/mL & 5-400 ng/mL	Plasma
Tadalafil	Erectile dysfunction	LC/MS/MS	5-1000 ng/mL	Plasma
Tamoxifen and its metabolite N-desmethyl tamoxifen	Anticancer	LC/MS/MS	0.5-80 ng/mL & 0.2-40 ng/mL	Plasma
Telmisartan	Antihypertensive	LC/MS/MS	5-1200 ng/mL	Plasma
Tenofovir	Antiretroviral	LC/MS/MS	5-1000 ng/mL	Plasma
Tenofovir (Lamivudine)	Antiretroviral	LC/MS/MS	5-1000 ng/mL	Plasma
Teriflunomide	Antirheumatic (DMARD)	LC/MS/MS	40-4000 ng/mL & 20-4000 ng/mL	Plasma
Thalidomide	Immunomodulator	LC/MS/MS	25-5000 ng/mL	Plasma
Theophylline	Bronchodilator (Bronchial smooth muscle relaxant)	LC/MS/MS	0.4-40 $\mu$ g/mL	Plasma
Tibolone and its metabolites $\Delta$ 4 isomer, 3 $\alpha$ OH tibolone & 3 $\beta$ OH tibolone	Hormone replacement therapy	LC/MS/MS	50-4000 pg/mL, 40-2000 pg/mL, 48-32000 pg/mL & 48-8000 pg/mL	Plasma
Tofacitinib	Arthritis treatment	LC/MS/MS	0.5-100 ng/mL & 0.5-300 ng/mL	Plasma

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Tramadol, O-Desmethyl Tramadol & N-O-Didesmethyl Tramadol	Analgesic	LC/MS/MS	2-400 ng/mL, 0.6-120 ng/mL & 0.4-80 ng/mL	Plasma
Trandolapril and Trandolaprilat	Antihypertensive	LC/MS/MS	0.1-40 ng/mL & 0.2-400 ng/mL	Plasma
Triamterene	Diuretic	LC/MS/MS	1-400 ng/mL	Plasma
Trimetazidine	Antianginal	LC/MS/MS	2-150 ng/mL	Plasma
Trimethobenzamide	Antiemetic	LC/MS/MS	50 -10000 ng/mL	Plasma
Trimethoprim+Sulfamethoxazole	Antibiotic	LC/MS/MS	0.05-7 µg/mL & 0.5-100 µg/mL	Plasma
Trospium	Urinary incontinence treatment	LC/MS/MS	20-12000 pg/mL	Plasma
Ursodeoxycholic acid, Glycoursodeoxycholicacid & Tauroursodeoxycholicacid	Cholagogues/Cholelitholytics	LC/MS/MS	100-10000 ng/mL, 90-15000 ng/mL & 9-3000 ng/mL	Plasma
Valproic Acid	Anticonvulsant	LC/MS/MS	2-120 µg/mL	Plasma
Valsartan	Antihypertensive	LC/MS/MS	100-20000 ng/mL	Plasma
Vardenafil	Erectile dysfunction treatment	LC/MS/MS	0.5-60 ng/mL	Plasma
Velpatasvir	Hepatitis C treatment	LC/MS/MS	8-1600 ng/mL	Plasma
Venlafaxine & O-Desmethyl Venlafaxine	Antianxiety	LC/MS/MS	1.5-300 ng/mL & 2.5-500 ng/mL	Plasma
Verapamil & Norverapamil	Antihypertensive	LC/MS/MS	4-400 ng/mL & 4-400 ng/mL; 4-1500 ng/mL & 4-1200 ng/mL	Plasma
Vilazodone	Antidepressant	LC/MS/MS	0.3-300 ng/mL	Plasma
Voriconazole	Antifungal	LC/MS/MS	10-6000 ng/mL	Plasma
Vortioxetine	Antidepressant	LC/MS/MS	0.5-80 ng/mL	Plasma
Zileuton	Antiasthmatic	LC/MS/MS	25-10000 ng/mL	Plasma
Zinc	Electrolyte	ICPMS	2-320 µg/gm	Bone/Skin
Ziprasidone	Antipsychotic	LC/MS/MS	0.2-200 ng/mL	Plasma
Zolmitriptan & N-Desmethyl Zolmitriptan	Migraine treatment	LC/MS/MS	160-16000 pg/mL & 160-16000 pg/mL	Plasma
Zopiclone	Hypnotic	LC/MS/MS	1-200 ng/mL	Plasma

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For more information

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