

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

LARGE MOLECULES / THERAPEUTIC PROTEINS / BIOSIMILARS

Sr. No.	Drug Name	Instrument/Method of Analysis	Matrix	Range	Anticoagulant	Dose
AVAILABLE METHODS						
1	Bevacizumab	Sandwich ELISA	Human Serum	150 to 6000 ng / mL	NA	NA
2	*Bevacizumab	LC-MS/MS (6500 QTRAP)	Human Serum	5 to 500 µg / mL	NA	NA
3	Darbepoetin	Sandwich ELISA	Human Serum	0.075 to 2.6 ng / mL	NA	0.45µg/kg
4	Denosumab	Sandwich ELISA	Human Serum	160 to 10000 ng / mL	NA	60 mg
5	Erythropoietin	Sandwich ELISA	Human Serum	5.005 to 200 mIU / mL	NA	50IU/kg
6	Etanercept	Sandwich ELISA	Human Serum	39.063 to 5000 ng / mL	NA	50mg
7	Glucagon	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	0.2 to 10 ng / mL	K ₂ EDTA	1 mg/vial
8	PEG G-CSF	Sandwich ELISA	Human Serum	0.150 to 10 ng / mL	NA	6mg /0.6 mL SC
9	rHu-FSH	Electrochemiluminescence Immunoassay	Human Serum	0.156 to 20 mIU/mL	NA	300 IU
10	Rituximab	Competitive ELISA	Human Plasma	50 to 1502 ng / mL	K ₂ EDTA	100mg/10mL
11	*Romiplostim	Sandwich ELISA	Human Serum	0.040 to 5.000 ng/mL	NA	250 µg/0.5 mL
12	*Teriparatide	LC-MS/MS (6500 QTRAP)	Human Serum	5 to 500 pg / mL	NA	NA
13	Teriparatide	Sandwich ELISA	Human Serum	10 to 400 pg / mL	NA	NA
14	Trastuzumab	LC-MS/MS (6500 QTRAP)	Human Serum	5 to 500 µg / mL	NA	8 mg / Kg
15	*Trastuzumab	Competitive ELISA	Human Serum	9.7 to 625 ng / mL	NA	NA

*: Developed method available

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A						
1	Acetaminophen	LC-MS/MS (API 300 or 3000)	Human Plasma	0.1 to 13 µg / mL	K ₂ EDTA	-
	Acetaminophen	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 13 µg / mL	K ₂ EDTA	320 mg
	Acyclovir	HPLC-UV	Human Plasma	5 to 1280 ng / mL	Heparin	-
4	Acyclovir	HPLC - Fluorescence	Human Plasma	10 to 2560 ng / mL	Sodium heparin	-
	Acyclovir	HPLC - Fluorescence	Human Plasma	20 to 2560 ng / mL	Sodium heparin	-
	Acyclovir	LC-MS/MS (Thermo)	Human Plasma	5 to 1600 ng / mL	K ₂ EDTA	200 mg
7	Alverine	LC-MS/MS (Thermo)	Human Plasma	0.05 to 10 ng / mL	K ₂ EDTA	120 mg
	Allopurinol	LC-MS/MS (Thermo)	Human Plasma	10 to 5000 ng/mL	K ₂ EDTA	200 mg
	Amantadine	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1500 ng / mL	K ₂ EDTA	300mg
10	Amantadine	LC-MS/MS (Thermo)	Human Urine	20 to 3000 ng / mL	Not applicable	160 mg
	Amitriptyline	LC-MS/MS (API 3000)	Human Plasma	0.4 to 51 ng / mL	K ₂ EDTA	-
	Nortriptyline	LC-MS/MS (API 3000)	Human Plasma	0.4 to 51 ng / mL	K ₂ EDTA	-
12	Amlodipine	LC-MS/MS (API 3000)	Human Plasma	0.1 to 13 ng / mL	K ₂ EDTA	10 mg
	D-Amphetamine	LC-MS/MS (API 6500)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	30 mg
	L-Amphetamine	LC-MS/MS (API 6500)	Human Plasma	0.15 to 30 ng/mL	K ₂ EDTA	
14	Amphotericin B	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 5000 ng / mL	K ₂ EDTA	200 to 400 mg
	Alectinib	LC-MS/MS (Thermo)	Human Plasma	1 to 600 ng/mL	K ₂ EDTA	50mg
	Alectinib	LC-MS/MS (Thermo)	Human Plasma	1 to 600 ng/mL	K ₂ EDTA	150 mg
17	Alendronate	LC-MS/MS (API 3000)	Human Urine	1 to 256 ng / mL	Not applicable	-
	Anastrozole	LC-MS/MS (API 3000)	Human Plasma	0.1 to 26 ng / mL	K ₂ EDTA	1 mg
	Atomoxetine	LC-MS/MS (Thermo)	Human Plasma	0.500 to 500 ng/mL	K ₂ EDTA	10 mg
20	Atomoxetine	LC-MS/MS (Thermo)	Human Plasma	2.5 to 2500 ng/mL	K ₂ EDTA	60 mg
21	Atomoxetine	LC-MS/MS (Thermo)	Human Plasma	2 to 512 ng / mL	K ₂ EDTA	40 mg
	4-Hydroxyatomoxetine	LC-MS/MS (Thermo)	Human Plasma	2 to 512 ng / mL	K ₂ EDTA	-
	N-Desmethyلاتomoxetine	LC-MS/MS (Thermo)	Human Plasma	2 to 512 ng / mL	K ₂ EDTA	-
22	Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.3 to 300 ng/mL	Sodium heparin	80 mg
23	Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.4 to 102 ng / mL	K ₂ EDTA	80 mg
	o-hydroxyatorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.4 to 102.5 ng / mL	K ₂ EDTA	-
	p-hydroxyatorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.04 to 10 ng / mL	K ₂ EDTA	-
24	Atorvastatin	LC-MS/MS (Thermo)	Dog Plasma	0.25 to 2500 ng / mL	K ₂ EDTA	5 mg to 80 mg
	o-hydroxyatorvastatin	LC-MS/MS (Thermo)	Dog Plasma	0.25 to 500 ng / mL	K ₂ EDTA	-
	p-hydroxyatorvastatin	LC-MS/MS (Thermo)	Dog Plasma	0.25 to 500 ng / mL	K ₂ EDTA	-
	Atorvastatin Lactone	LC-MS/MS (Thermo)	Dog Plasma	0.5 to 2500 ng / mL	K ₂ EDTA	-
	o-Hydroxy Atorvastatin Lactone	LC-MS/MS (Thermo)	Dog Plasma	0.5 to 250 ng / mL	K ₂ EDTA	-
	p-Hydroxy Atorvastatin Lactone	LC-MS/MS (Thermo)	Dog Plasma	0.5 to 250 ng / mL	K ₂ EDTA	-
	Atorvastatin	LC-MS/MS (Thermo)	Dog Plasma	10 to 2500 ng / mL	K ₂ EDTA	5 mg to 80 mg

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25	o-hydroxyatorvastatin	LC-MS/MS (Thermo)	Dog Plasma	1 to 250 ng / mL	K ₂ EDTA	-
	p-hydroxyatorvastatin	LC-MS/MS (Thermo)	Dog Plasma	1 to 250 ng / mL	K ₂ EDTA	-
	Atorvastatin Lactone	LC-MS/MS (Thermo)	Dog Plasma	10 to 2500 ng / mL	K ₂ EDTA	-
	o-Hydroxy Atorvastatin Lactone	LC-MS/MS (Thermo)	Dog Plasma	1 to 250 ng / mL	K ₂ EDTA	-
	p-Hydroxy Atorvastatin Lactone	LC-MS/MS (Thermo)	Dog Plasma	1 to 250 ng / mL	K ₂ EDTA	-
26	Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	10 to 15000 pg / mL	K ₂ EDTA	10 mg
	o-Hydroxy Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	10 to 10000 pg / mL	K ₂ EDTA	-
	p-Hydroxy Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	10 to 5000 pg / mL	K ₂ EDTA	-
27	Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.1 to 40 ng / mL	K ₂ EDTA	20 mg
	o-Hydroxy Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.1 to 40 ng / mL	K ₂ EDTA	-
	p-Hydroxy Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.05 to 20 ng / mL	K ₂ EDTA	-
	Glimepiride	LC-MS/MS (Thermo)	Human Plasma	0.5 to 200 ng / mL	K ₂ EDTA	-
28	Atazanavir	LC-MS/MS (Thermo)	Human Plasma	20 to 8000 ng/mL	K ₂ EDTA	300 mg
29	Axitinib	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng/mL	K ₂ EDTA	5 mg
30	Azithromycin	LC-MS (API 150)	Human Plasma	5 to 1280 ng / mL	Sodium heparin	600 mg
B						
31	Barnidipine	LC-MS/MS (Thermo)	Human Plasma	50 to 10000 ng/mL	K ₂ EDTA	20 mg
32	Barnidipine	LC-MS/MS (Thermo)	Human Plasma	15 to 7000 pg/mL	K ₂ EDTA	20mg
33	R-Baclofen	LC-MS/MS (Thermo)	Human Plasma	1 to 500 ng / mL	K ₂ EDTA	10 mg
34	R-Baclofen	LC-MS/MS (Thermo)	Human Plasma	1 to 500 ng / mL	K ₂ EDTA	20 mg
	S-Baclofen	LC-MS/MS (Thermo)	Human Plasma	1 to 500 ng / mL	K ₂ EDTA	20 mg
35	R-Baclofen	LC-MS/MS (Thermo)	Human Urine	2 to 2000 ng / mL	Not applicable	20 mg
	S-Baclofen	LC-MS/MS (Thermo)	Human Urine	2 to 2000 ng / mL	Not applicable	20 mg
36	Betamethasone	LC-MS/MS (Thermo)	Human Plasma	0.5 to 128 ng / mL	K ₂ EDTA	-
	Betamethasone Acetate	LC-MS/MS (Thermo)	Human Plasma	0.5 to 128 ng / mL	K ₂ EDTA	-
	Betamethasone Phosphate	LC-MS/MS (Thermo)	Human Plasma	2 to 512 ng / mL	K ₂ EDTA	-
37	Budesonide	LC-MS/MS (API 6500)	Human Plasma	20 to 10000 pg/mL	Sodium heparin	3 x 3 mg
38	Bupropion	LC-MS/MS (API 3000)	Human or Rat Plasma	1 to 1023 ng / mL	Sodium heparin	348 mg
	Bupropion Erythroamino Alcohol	LC-MS/MS (API 3000)	Human or Rat Plasma	1 to 1024 ng / mL	Sodium heparin	-
	Bupropion Threoamino Alcohol	LC-MS/MS (API 3000)	Human or Rat Plasma	1 to 1024 ng / mL	Sodium heparin	-
	Hydroxybupropion	LC-MS/MS (API 3000)	Human or Rat Plasma	3 to 4000 ng / mL	Sodium heparin	-

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39	Bupropion	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	Sodium heparin	174 mg
	Bupropion Erythroamino Alcohol	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	Sodium heparin	-
	Bupropion Threoamino Alcohol	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	Sodium heparin	-
	Hydroxybupropion	LC-MS/MS (API 3000)	Human Plasma	4 to 2000 ng / mL	Sodium heparin	-
40	Bupropion	LC-MS/MS (API 3000)	Human Urine	16 to 1024 ng / mL	Not applicable	174 mg
	Bupropion Erythroamino Alcohol	LC-MS/MS (API 3000)	Human Urine	16 to 1024 ng / mL	Not applicable	-
	Bupropion Threoamino Alcohol	LC-MS/MS (API 3000)	Human Urine	16 to 1024 ng / mL	Not applicable	-
	Hydroxybupropion	LC-MS/MS (API 3000)	Human Urine	62.5 to 4000 ng / mL	Not applicable	-
41	Bupropion	LC-MS/MS (Thermo)	Rat Plasma	5 to 5120 ng / mL	Sodium heparin	-
	Bupropion Erythroamino Alcohol	LC-MS/MS (Thermo)	Rat Plasma	1 to 1024 ng / mL	Sodium heparin	-
	Bupropion Threoamino Alcohol	LC-MS/MS (Thermo)	Rat Plasma	1 to 1024 ng / mL	Sodium heparin	-
	Hydroxybupropion	LC-MS/MS (Thermo)	Rat Plasma	2 to 2048 ng / mL	Sodium heparin	-
42	Buprenorphine	LC-MS/MS (API 3000)	Human Plasma or Dog Plasma	0.1 to 25 ng / mL	Sodium heparin	-
	Norbuprenorphine	LC-MS/MS (API 3000)	Human Plasma or Dog Plasma	0.1 to 25 ng / mL	Sodium heparin	-
43	Buprenorphine	LC-MS/MS (API 6500)	Human Plasma	25 to 10000 pg / mL	Sodium heparin	8 mg
	Norbuprenorphine	LC-MS/MS (API 6500)	Human Plasma	50 to 10000 pg / mL	Sodium heparin	-
44	Buspirone	LC-MS/MS (API 300 or 3000)	Human Plasma	0.02 to 10 ng / mL	Sodium heparin	-
	1-(2-Pyrimidyl)Piperazine	LC-MS/MS (API 300 or 3000)	Human Plasma	0.2 to 25 ng / mL	Sodium heparin	-
45	Buspirone	LC-MS/MS (API 3000)	Human Plasma or Mouse Plasma	0.4 to 77 ng / mL	K ₃ EDTA	-
	1-(2-Pyrimidyl)Piperazine	LC-MS/MS (API 3000)	Human Plasma or Mouse Plasma	1.6 to 307.2 ng / mL	K ₃ EDTA	-
46	Buspirone	LC-MS/MS (API 3000)	Human Plasma or Mouse Plasma or Rat Plasma or Dog Plasma	0.05 to 10 ng / mL	Sodium heparin	-
	1-(2-Pyrimidyl)Piperazine	LC-MS/MS (API 3000)	Human Plasma or Mouse Plasma or Rat Plasma or Dog Plasma	0.2 to 38 ng / mL	Sodium heparin	-

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47	Bupirone	LC-MS/MS (API 300 or 3000)	Human Plasma or Rat Plasma or Dog Plasma	0.4 to 50 ng / mL	Heparin	-
	1-(2-Pyrimidyl) Piperazine	LC-MS/MS (API 300 or 3000)	Human Plasma or Rat Plasma or Dog Plasma	0.4 to 50 ng / mL	Heparin	-
48	Bupirone	LC-MS/MS (API 3000)	Human Plasma	0.04 to 10 ng / mL	Sodium heparin	-
	1-(2-Pyrimidyl)Piperazine	LC-MS/MS (API 3000)	Human Plasma	0.15 to 40 ng / mL	Sodium heparin	-
	6-Hydroxybupirone	LC-MS/MS (API 3000)	Human Plasma	0.625 to 160 ng / mL	Sodium heparin	-
C						
49	Carbamazepine	HPLC-UV	Human Plasma	48 to 25000 ng / mL	Sodium heparin	400 mg
	Carbamazepine-10,11-epoxide	HPLC-UV	Human Plasma	10 to 5000 ng / mL	Sodium heparin	-
50	Carvedilol	LC-MS/MS (Thermo)	Human Plasma	1 to 128 ng / mL	K ₂ EDTA	40 mg
	O-Desmethylcarvedilol	LC-MS/MS (Thermo)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	-
	4'-Hydroxyphenyl carvedilol	LC-MS/MS (Thermo)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	-
	5'-Hydroxyphenyl carvedilol	LC-MS/MS (Thermo)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	-
51	Cefaclor	HPLC-UV	Human Plasma	0.2 to 25 µg / mL	Lithium heparin	500 mg
52	Cefixime	HPLC-UV	Human Plasma	0.1 to 13 µg / mL	Sodium heparin	400 mg
53	Cefuroxime	HPLC-UV	Human Plasma	0.2 to 27 µg / mL	K ₂ EDTA	500 mg
54	Cefuroxime	LC-MS/MS (Thermo)	Human Plasma	100 to 20135 ng / mL	K ₂ EDTA	500 mg
55	Celecoxib	HPLC - Fluorescence	Human Plasma	20 to 2560 ng / mL	Sodium heparin	200 mg
56	Celecoxib	LC-MS/MS (API 3000)	Human Plasma	20 to 2560 ng / mL	K ₂ EDTA	200 mg
57	Cephalexin	HPLC-UV	Human Plasma	0.2 to 25 µg / mL	K ₂ EDTA	-
58	Cetirizine	LC-MS/MS (API 3000)	Human Plasma	2 to 512 ng / mL	K ₂ EDTA	10 mg
59	Cetirizine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 250 ng / mL	K ₂ EDTA	5 mg
	Pseudoephedrine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1500 ng / mL	K ₂ EDTA	120 mg
60	Chlorpheniramine	LC-MS/MS (API 3000)	Human Plasma	0.1 to 51 ng / mL	K ₂ EDTA	8 mg / 5 mL
61	Chlorthalidone	LC-MS/MS (Thermo)	Human Plasma	2 to 1000 ng/mL	K ₂ EDTA	50 mg
62	Chlorzoxazone	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 µg/mL	K ₂ EDTA	750mg
63	Cilazapril	LC-MS/MS (API 3000)	Human Plasma	1 to 256 ng / mL	K ₂ EDTA	1 mg
	Cilazaprilat	LC-MS/MS (API 3000)	Human Plasma	0.25 to 64 ng / mL	K ₂ EDTA	1 mg
64	Cilazapril	LC-MS/MS (API 3000)	Human Plasma	4 to 1024 ng / mL	K ₂ EDTA	2.5 mg
	Cilazaprilat	LC-MS/MS (API 3000)	Human Plasma	1 to 256 ng / mL	K ₂ EDTA	2.5 mg
65	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	25 to 6400 ng / mL	K ₂ EDTA	-
66	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	20 to 2561 ng / mL	K ₂ EDTA	-
67	Ciprofloxacin	HPLC-UV	Human Urine	1.5 to 15 µg / mL	Not applicable	-
	Desethyleneciprofloxacin	HPLC-UV	Human Urine	0.5 to 5 µg / mL	Not applicable	-
	Sulfociprofloxacin	HPLC-UV	Human Urine	0.5 to 5 µg / mL	Not applicable	-

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	Oxociprofloxacin	HPLC-UV	Human Urine	0.5 to 5 µg / mL	Not applicable	-
	Formylciprofloxacin	HPLC-UV	Human Urine	0.5 to 5 µg / mL	Not applicable	-
68	Citalopram	HPLC - Fluorescence	Human Plasma	0.25 to 32 ng / mL	Heparin	-
69	Citalopram	HPLC - Fluorescence	Human Plasma	0.25 to 64 ng / mL	Sodium heparin	-
70	Citalopram	LC-MS/MS (API 3000)	Human Plasma	0.25 to 32 ng / mL	Sodium heparin	20 mg
	Demethylcitalopram	LC-MS/MS (API 3000)	Human Plasma	0.05 to 6 ng / mL	Sodium heparin	-
	Didemethylcitalopram	LC-MS/MS (API 3000)	Human Plasma	0.05 to 6 ng / mL	Sodium heparin	-
71	Citalopram	LC-MS/MS (API 3000)	Human Plasma	0.25 to 64 ng / mL	Sodium heparin	40 mg
	Demethylcitalopram	LC-MS/MS (API 3000)	Human Plasma	0.05 to 12 ng / mL	Sodium heparin	-
	Didemethylcitalopram	LC-MS/MS (API 3000)	Human Plasma	0.05 to 13 ng / mL	Sodium heparin	-
72	S-Citalopram	LC-MS/MS (API 3000)	Human Plasma	0.25 to 64 ng / mL	Sodium heparin	40 mg
	S-Demethylcitalopram	LC-MS/MS (API 3000)	Human Plasma	0.05 to 13 ng / mL	Sodium heparin	-
73	Citalopram	LC-MS/MS (Thermo)	Human Plasma	0.251 to 128 ng / mL	Sodium heparin	40 mg
	Demethylcitalopram	LC-MS/MS (Thermo)	Human Plasma	0.126 to 64 ng / mL	Sodium heparin	-
	Didemethylcitalopram	LC-MS/MS (Thermo)	Human Plasma	0.025 to 13 ng / mL	Sodium heparin	-
74	Citalopram Chiral (R and S)	LC-MS/MS (API 3000)	Human Plasma	0.25 to 64 ng / mL	Sodium heparin	40 mg
	Demethylcitalopram (R and S)	LC-MS/MS (API 3000)	Human Plasma	0.2 to 51 ng / mL	Sodium heparin	-
	Didemethylcitalopram (S)	LC-MS/MS (API 3000)	Human Plasma	0.2 to 51 ng / mL	Sodium heparin	-
75	Clarithromycin	LC-MS/MS (API 300 or 3000)	Human Plasma	20 to 5120 ng / mL	Sodium heparin	-
76	Clavulanic Acid	LC-MS/MS (API 300 or 3000)	Human Plasma	25 to 1600 ng / mL	Sodium heparin	125 mg
77	Clobazam	LC-MS/MS (Thermo)	Human Plasma	5 to 600 ng/mL	K ₂ EDTA	20mg
	N-Desmethyl Clobazam	LC-MS/MS (Thermo)	Human Plasma	5 to 500 ng/mL	K ₂ EDTA	20mg
78	Clobazam	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	2 mg / mL
79	Clonazepam	LC-MS/MS (API 300 or 3000)	Human Plasma	0.1 to 51 ng / mL	Sodium heparin	-
80	Clonidine	LC-MS/MS (Thermo)	Human Plasma	0.03 to 2 ng / mL	K ₂ EDTA	0.3 mg
81	Clopidogrel	LC-MS/MS (Thermo)	Human Plasma	0.05 to 51 ng / mL	Sodium heparin	300 mg
82	Clopidogrel Carboxylic Acid	LC-MS/MS (Thermo)	Human Plasma	0.049 to 25 µg / mL	K ₂ EDTA	300 mg of Clopidogrel
83	Clopidogrel Thiol	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng / mL	K ₂ EDTA	300 mg of Clopidogrel
84	Codeine	LC-MS/MS (Thermo)	Human Plasma	0.7 to 400 ng / mL	K ₂ EDTA	30 mg
85	Crisaborole	LC-MS/MS (Thermo)	Human Plasma	0.05 to 100 ng/ mL	K ₂ EDTA	2% Ointment(50 mg & 100 mg)
86	Cyproterone Acetate	LC-MS/MS (API 3000)	Human Plasma	0.3 to 25 ng / mL	Lithium heparin	-

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	Ethinyl Estradiol	LC-MS/MS (API 3000)	Human Plasma	15 to 1280 pg / mL	Lithium heparin	-
D						
87	Darunavir	LC-MS/MS (API 3000)	Human Plasma	10 to 6400 ng / mL	K ₂ EDTA	600 mg
88	Dexamethasone	LC-MS/MS (Thermo)	Human Plasma	0.2 to 60 ng / mL	K ₂ EDTA	0.5 mg
89	Dexmethylphenidate	LC-MS/MS (Thermo)	Human plasma	0.2 to 40 ng/mL	NaF & KOx	40 mg
90	Dextroamphetamine	LC-MS/MS (API 3000)	Human Plasma	0.2 to 51 ng / mL	K ₂ EDTA	30 mg
91	Dextromethorphan	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng/mL	K ₂ EDTA	60 mg
	Detrorphan	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng/mL	K ₂ EDTA	NA
92	Dextromethorphan	LC-MS/MS (API 3000)	Human Plasma	0.1 to 51 ng / mL	Sodium heparin	30 mg
	Dextrorphan	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	Sodium heparin	-
	Pseudoephedrine	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	Sodium heparin	-
93	Dextromethorphan	LC-MS/MS (Thermo)	Human Plasma	0.05 to 12 ng / mL	K ₂ EDTA	10mg
	Pseudoephedrine	LC-MS/MS (Thermo)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	30mg
	Brompheniramine	LC-MS/MS (Thermo)	Human Plasma	0.05 to 12 ng / mL	K ₂ EDTA	2mg
94	Diclofenac	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K ₂ EDTA	1 % gel
95	Didanosine	LC-MS/MS (API 3000)	Human Plasma	10 to 1280 ng / mL	Sodium heparin	-
96	Dienogest	LC-MS/MS (Thermo)	Human Plasma	3 to 120 ng / mL	K ₂ EDTA	2 mg
97	Diltiazem	HPLC-UV	Human Plasma	3 to 385 ng / mL	K ₃ EDTA	-
	Desacetyldiltiazem	HPLC-UV	Human Plasma	1 to 128 ng / mL	K ₃ EDTA	-
	N-Desmethyldiltiazem	HPLC-UV	Human Plasma	3 to 385 ng / mL	K ₃ EDTA	-
98	Diltiazem	HPLC-UV	Human Plasma	3 to 770 ng / mL	K ₃ EDTA	-
	Desacetyldiltiazem	HPLC-UV	Human Plasma	1 to 255 ng / mL	K ₃ EDTA	-
	N-Desmethyldiltiazem	HPLC-UV	Human Plasma	3 to 780 ng / mL	K ₃ EDTA	-
99	Diltiazem	LC-MS/MS (API 3000)	Human Plasma	1 to 256 ng / mL	K ₃ EDTA	-
	Desacetyldiltiazem	LC-MS/MS (API 3000)	Human Plasma	0.125 to 32 ng / mL	K ₃ EDTA	-
	N-Desmethyldiltiazem	LC-MS/MS (API 3000)	Human Plasma	0.25 to 64 ng / mL	K ₃ EDTA	-
100	Diltiazem	LC-MS/MS (Thermo)	Human Plasma	0.8 to 800 ng / mL	K ₂ EDTA	-
	Desacetyldiltiazem	LC-MS/MS (Thermo)	Human Plasma	0.2 to 200 ng / mL	K ₂ EDTA	-
	N-Desmethyldiltiazem	LC-MS/MS (Thermo)	Human Plasma	0.4 to 400 ng / mL	K ₂ EDTA	-
101	Diltiazem	LC-MS/MS (Thermo)	Human Plasma	2.5 to 750 ng / mL	K ₂ EDTA	420 mg
	Desacetyldiltiazem	LC-MS/MS (Thermo)	Human Plasma	0.2 to 75 ng / mL	K ₂ EDTA	-
	N-Desmethyldiltiazem	LC-MS/MS (Thermo)	Human Plasma	2 to 150 ng / mL	K ₂ EDTA	-
102	Diphenhydramine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	Sodium heparin	25 to 38 mg

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103	Donepezil	LC-MS/MS (Thermo)	Human Plasma	0.25 to 64 ng / mL	K ₂ EDTA	10 mg
104	Doxazosin	HPLC - Fluorescence	Human Plasma	0.5 to 128 ng / mL	Heparin	-
105	Doxepine	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng/mL	K ₂ EDTA	100 mg
	Nordoxepine	LC-MS/MS (Thermo)	Human Plasma	0.101 to 50.476 ng/mL	K ₂ EDTA	-
106	Doxycycline	HPLC-UV	Human Plasma	80 to 5120 ng / mL	Heparin	-
107	Duloxetine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	K ₂ EDTA	60 mg
108	Duloxetine	LC-MS/MS (Thermo)	Human Plasma	0.5 to 128 ng / mL	K ₂ EDTA	60 mg
109	Duloxetine	LC-MS/MS (Thermo)	Human Plasma	0.5 to 400 ng/mL	Sodium heparin	120 mg
110	Dutasteride	LC-MS/MS (Thermo)	Human Plasma	60 to 5120 pg / mL	K ₂ EDTA	0.5 mg
E						
111	Efavirenz	LC-MS (API 150)	Human Plasma	0.02 to 5 µg / mL	Sodium heparin	-
112	Eliglustat	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng/mL	K ₂ EDTA	84mg
113	Enalapril	LC-MS/MS (API 3000)	Human Plasma	0.25 to 80 ng / mL	Heparin	-
	Enalaprilat	LC-MS/MS (API 3000)	Human Plasma	0.25 to 80 ng / mL	Heparin	-
	Hydrochlorothiazide	LC-MS/MS (API 3000)	Human Plasma	2.5 to 800 ng / mL	Heparin	-
114	Enalapril	LC-MS/MS (API 3000)	Human Plasma	0.25 to 256 ng / mL	K ₂ EDTA	-
	Enalaprilat	LC-MS/MS (API 3000)	Human Plasma	0.25 to 256 ng / mL	K ₂ EDTA	-
115	Endoxifen	LC-MS/MS (Thermo)	Mice plasma Extract	0.1 to 100 ng/mL	K ₂ EDTA	0.2 mg/mL
116	Enrofloxacin	LC-MS/MS (Thermo)	Beagle Dog plasma	10 to 5000 ng/mL	K ₂ EDTA	150 mg
117	Eprosartan	LC-MS/MS (Thermo)	Human Plasma	5 to 3840 ng / mL	K ₂ EDTA	-
118	Esomeprazole	LC-MS/MS (Thermo)	Human Plasma	1 to 2000 ng / mL	K ₂ EDTA	20 mg
119	17 β-Estradiol	LC-MS/MS (API 6500)	Human Plasma	1 to 100 pg/mL	K ₂ EDTA	0.1 % Gel
120	Etodolac	HPLC-UV	Human Plasma	0.25 to 32 µg / mL	Heparin	-
121	Ethinyl Estradiol	LC-MS/MS (Thermo)	Human Plasma	3 to 128 pg / mL	K ₂ EDTA	0.03 mg
122	Ethinyl Estradiol	LC-MS/MS (API 6500)	Human Plasma	0.5 to 125 pg / mL	K ₂ EDTA	20 mcg
123	Exemestane	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	25 mg
124	Exemestane	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K ₂ EDTA	25 mg
125	Ezetimibe	LC-MS/MS (API 6500)	Human Plasma	0.05 to 15 ng/mL	Sodium heparin	10 mg
	Ezetimibe Phenoxy Glucuronide	LC-MS/MS (API 6500)	Human Plasma	0.5 to 300 ng/mL	Sodium heparin	10 mg
F						
126	Famotidine	HPLC-UV	Human Plasma	5 to 640 ng / mL	Heparin	-

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
127	Felodipine	LC-MS/MS (Thermo)	Human Plasma	0.05 to 13 ng / mL	K ₂ EDTA	10 mg
128	Fenofibric acid	LC-MS/MS (API 3000)	Human Plasma	50 to 19200 ng / mL	K ₂ EDTA	135 mg
129	Fenofibric acid	HPLC-UV	Human Plasma	50 to 12800 ng / mL	K ₂ EDTA/Sodium heparin	-
130	Fenofibric acid	HPLC-UV	Human Plasma	10 to 5120 ng / mL	Sodium heparin	-
131	Fenofibric acid	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 µg / mL	K ₂ EDTA	215 mg
132	Fentanyl	LC-MS/MS (API 3000)	Human Plasma	0.02 to 20 ng / mL	Sodium heparin	-
133	Fesoterodine	LC-MS/MS (API 6500)	Human plasma (Bufferized)	0.45 to 100 pg/mL	K ₂ EDTA	3.1 mg
	5-Hydroxy Tolterodine	LC-MS/MS (API 6500)	Human plasma (Bufferized)	30 to 11000 pg/mL	K ₂ EDTA	6.2 mg
134	Fexofenadine	HPLC - Fluorescence	Human Plasma	5 to 640 ng / mL	Sodium heparin	-
135	Fexofenadine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	180 mg
136	Fexofenadine	LC-MS/MS (Thermo)	Human Plasma	3 to 3500 ng/mL	K ₂ EDTA	180mg
137	Fingolimod	LC-MS/MS (Thermo)	Human Blood	25 to 500 pg / mL	K ₂ EDTA	3 X 0.5 mg
138	Fingolimod Phosphate	LC-MS/MS (Waters QPXE)	Human Blood	75 to 4000 pg / mL	K ₂ EDTA	3 X 0.5 mg of fingolimod
139	Fluconazole	HPLC-UV	Human Plasma	0.1 to 13 µg / mL	Sodium heparin	150 mg
140	Fluoxetine	LC-MS (API 150)	Human Plasma	0.15 to 37.5 ng / mL	Heparin	20 mg
	Norfluoxetine	LC-MS (API 150)	Human Plasma	0.15 to 37.5 ng / mL	Heparin	-
141	Fluoxetine	LC-MS (API 150)	Human Plasma	0.5 to 64 ng / mL	Sodium heparin	-
	Norfluoxetine	LC-MS (API 150)	Human Plasma	0.5 to 64 ng / mL	Sodium heparin	-
142	Flupenthixol	LC-MS/MS (API 3000)	Human Plasma	0.1 to 13 ng / mL	K ₂ EDTA	10 mg
143	Fluticasone Propionate	LC-MS/MS (Thermo)	Human Plasma	1 to 32 pg / mL	K ₂ EDTA	-
144	Fluticasone Propionate	LC-MS/MS (Thermo)	Human Plasma	5 to 640 pg / mL	K ₂ EDTA	-
145	Fluvastatin	LC-MS/MS (Thermo)	Human Plasma	2 to 512 ng / mL	K ₂ EDTA	-
146	Fluvoxamine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 64 ng / mL	Sodium heparin	-
147	Fulvestrant	LC-MS/MS (Thermo)	Dog Plasma	0.5 to 40 ng / mL	Sodium heparin	50 mg
148	Fulvestrant	LC-MS/MS (Thermo)	Human Plasma	0.05 to 40 ng / mL	K ₂ EDTA	50 mg
G						
149	Gabapentin	LC-MS/MS (API 3000)	Human Plasma	75 to 9600 ng / mL	K ₂ EDTA	600 mg
150	Galantamine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 63 ng / mL	K ₂ EDTA	8 mg
151	Ganciclovir	HPLC - Fluorescence	Human Plasma	30 to 1920 ng / mL	K ₃ EDTA	-
152	Gatifloxacin	HPLC - Fluorescence	Human Plasma	25 to 6400 ng / mL	K ₃ EDTA	-

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
153	Glimepiride	LC-MS/MS (API 300 or 3000)	Human Plasma	2 to 1024 ng / mL	K ₂ EDTA	4 mg
154	Glipizide	HPLC-UV	Human Plasma	10 to 640 ng / mL	K ₂ EDTA	-
155	Glipizide	LC-MS (API 150)	Human Plasma	10 to 640 ng / mL	K ₂ EDTA	-
156	Glipizide	LC-MS/MS (API 300 or 3000)	Human Plasma	10 to 1280 ng / mL	K ₂ EDTA	-
157	Glipizide	LC-MS/MS (API 3000)	Human Plasma	2.5 to 640 ng / mL	K ₂ EDTA	10 mg
158	Glyburide	LC-MS (API 150)	Human Plasma	2 to 128 ng / mL	K ₂ EDTA	-
159	Glycopyrrolate	LC-MS/MS (Thermo)	Human plasma	1 to 400 pg/mL	K ₂ EDTA	44 µg
160	Griseofulvin	LC-MS/MS (API 300 or 3000)	Human Plasma	15 to 3840 ng / mL	K ₂ EDTA	-
161	Granisetron	LC-MS/MS (Thermo)	Human Plasma	0.02 to 10 ng / mL	K ₂ EDTA	-
162	Guaifenesin	LC-MS/MS (Thermo)	Human Plasma	10 to 1280 ng / mL	K ₂ EDTA	-
163	Guaifenesin	LC-MS/MS (Thermo)	Human Plasma	10 to 5000 ng/mL	K ₂ EDTA	1200 mg
H						
164	Hydrocodone	LC-MS/MS (Thermo)	Human Plasma	0.4 to 51 ng / mL	K ₂ EDTA	7.5 mg / 5 mL
165	Hydrocodone	LC-MS/MS (API 3000)	Human Plasma	1 to 128 ng / mL	Sodium heparin	-
	Hydromorphone	LC-MS/MS (API 3000)	Human Plasma	1 to 128 ng / mL	Sodium heparin	-
	Ibuprofen	LC-MS/MS (API 3000)	Human Plasma	100 to 12800 ng / mL	Sodium heparin	-
166	Hydralazine	LC-MS/MS (Thermo)	Human Plasma	0.25 to 128 ng/mL	K ₂ EDTA	50 mg
	hydralazine pyruvic acid hydrazone (HPH)	LC-MS/MS (Thermo)	Human Plasma	1.2 to 1250 ng/mL	K ₂ EDTA	-
167	Hydrochlorothiazide	LC-MS (API 150)	Human Plasma	5 to 1280 ng / mL	K ₂ EDTA	12.5 mg to 25 mg
168	Hydromorphone	LC-MS/MS (Thermo)	Human Plasma	50 to 15000 pg / mL	K ₂ EDTA	32 mg
169	Hydromorphone	LC-MS/MS (Thermo)	Human Plasma	0.05 to 6 ng / mL	K ₂ EDTA	16 mg
I						
170	Ibuprofen	HPLC-UV	Human Plasma	0.4 to 512 µg / mL	Sodium heparin	200 mg
171	Ibuprofen	LC-MS/MS (API 6500)	Human Plasma	0.1 to 40 µg/mL	Sodium Heparin	200mg
172	Ibuprofen	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 50 µg / mL	K ₂ EDTA	600 mg
173	Ibuprofen	LC-MS/MS (Thermo)	Human Plasma	0.2 to 51 µg/mL	K ₂ EDTA	200 mg
	Methocarbamol	LC-MS/MS (Thermo)	Human Plasma	0.06 to 15 µg/mL	K ₂ EDTA	500 mg
174	Imatinib	LC-MS/MS (Thermo)	Human Plasma	5 to 3500 ng / mL	K ₂ EDTA	400 mg
175	Indapamide	HPLC-UV	Human Whole Blood	10 to 1280 ng / mL	Heparin	-
176	Itraconazole	LC-MS/MS (API 300 or 3000)	Human Plasma	1 to 320 ng / mL	Heparin	-

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
176	Hydroxy Itraconazole	LC-MS/MS (API 300or 3000)	Human Plasma	1 to 320 ng / mL	Heparin	-
177	Itraconazole	LC-MS/MS (API 3000)	Human Plasma	2 to 512 ng / mL	K ₂ EDTA	100 mg
	Hydroxy Itraconazole	LC-MS/MS (API 3000)	Human Plasma	2 to 512 ng / mL	K ₂ EDTA	-
178	Ivabradine	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 20000 ng / mL	K ₂ EDTA	15mg
	N-desmethyl Ivabradine	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 2480 ng / mL	K ₂ EDTA	15 mg of Ivabradine
179	Ivermectin	LC-MS/MS (API 6500)	Human plasma	0.25 to 50 ng/mL	K ₂ EDTA	3 mg
L						
180	Labetalol	LC-MS/MS (Thermo)	Human Plasma	5 to 1500 ng/mL	K ₂ EDTA	200 mg
181	Lamotrigine	LC-MS/MS (Thermo)	Human Plasma	10 to 1280 ng / mL	Sodium heparin	50 mg
182	Lansoprazole	LC-MS/MS (API 300 or 3000)	Human Plasma	2 to 4096 ng / mL	Sodium heparin	30 mg
183	Leuprolide	LC-MS/MS (Thermo)	Human Plasma	0.025 to 13 ng / mL	K ₂ EDTA	-
184	Letrozole	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	K ₂ EDTA	2.5 mg
185	Levetiracetam	LC-MS (API 150)	Human Plasma	0.5 to 24 µg / mL	K ₃ EDTA	-
186	Levetiracetam	LC-MS/MS (API 3000)	Human Plasma	0.375 to 48 µg / mL	K ₂ EDTA	1 gm
187	Levorphanol	LC-MS/MS (Thermo)	Human plasma	20 to 10000 pg/mL	K ₂ EDTA	2 mg
188	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	0.25 to 64 ng / mL	Lithium heparin	-
189	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	0.25 to 128 ng / mL	Heparin	-
190	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	1 to 256 ng / mL	Lithium heparin	-
191	Loperamide	LC-MS/MS (Thermo)	Human Plasma	0.05 to 6 ng / mL	K ₂ EDTA	2 mg
192	Loratadine	LC-MS/MS (API 3000)	Human Plasma	0.1 to 51 ng / mL	Heparin	-
	Descarboethoxyloratadine	LC-MS/MS (API 3000)	Human Plasma	0.1 to 51 ng / mL	Heparin	-
	Pseudoephedrine	LC-MS/MS (API 3000)	Human Plasma	2.5 to 1280 ng / mL	Heparin	-
193	Loratadine	LC-MS/MS (API 300 or 3000)	Human Plasma	0.1 to 51 ng / mL	Heparin	-
	Descarboethoxyloratadine	LC-MS/MS (API 300 or 3000)	Human Plasma	0.1 to 25 ng / mL	Heparin	-
194	Loratadine	LC-MS/MS (API 6500)	Human Plasma	5 to 5000 pg / mL	K ₂ EDTA	5mg
	Descarboethoxyloratadine	LC-MS/MS (API 6500)	Human Plasma	10 to 10000 pg / mL	K ₂ EDTA	-
	Pseudoephedrine	LC-MS/MS (API 6500)	Human Plasma	2.5 to 1250 ng / mL	K ₂ EDTA	120 mg
195	Loratadine	LC-MS/MS (API 6500)	Human Plasma	40 to 12000 pg/mL	K ₂ EDTA	10 mg
	Desloratadine	LC-MS/MS (API 6500)	Human Plasma	40 to 12000 pg/mL	K ₂ EDTA	N/AP
	Pseudoephedrine	LC-MS/MS (API 6500)	Human Plasma	5 to 1600 ng/mL	K ₂ EDTA	240 mg
196	Lormetazepam	LC-MS/MS (Thermo)	Human Plasma	0.06 to 8 ng / mL	K ₂ EDTA	-

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
197	Losartan	LC-MS/MS (API 3000)	Human Plasma	4 to 1027 ng / mL	K ₂ EDTA	100 mg
	Losartan Hydroxy Acid	LC-MS/MS (API 3000)	Human Plasma	4 to 1024 ng / mL	K ₂ EDTA	-
198	Lovastatin	LC-MS/MS (API 300 or 3000)	Human Plasma	0.1 to 25 ng / mL	Heparin	-
	Lovastatin Hydroxy Acid	LC-MS/MS (API 300 or 3000)	Human Plasma	0.2 to 51 ng / mL	Heparin	-
M						
199	Meclizine	LC-MS/MS (API 3000)	Human Plasma	1.01 to 256 ng / mL	K ₂ EDTA	25 mg
200	Mefanamic Acid	HPLC-UV	Human Plasma	50 to 6400 ng / mL	K ₂ EDTA	-
201	Mefanamic Acid	LC-MS/MS (API 3000)	Human Plasma	50 to 12800 ng / mL	K ₂ EDTA	250 mg
202	Medroxyprogesterone Acetate	LC-MS/MS (API 3000)	Human Plasma	0.02 to 10 ng / mL	Sodium heparin	-
203	Medroxyprogesterone Acetate	LC-MS/MS (Thermo)	Human Plasma	50 to 10000 pg/mL	Sodium heparin	150 mg
204	Megestrol Acetate	LC-MS/MS (Thermo)	Human Plasma	0.3 to 153.6 ng/mL	K ₂ EDTA	40 mg / mL
205	Meloxicam	HPLC-UV	Human Plasma or Dog Plasma	0.03 to 1.92 µg / mL	K ₂ EDTA	-
206	Meloxicam	LC-MS/MS (API 3000)	Human Urine	1 to 128 ng / mL	Not applicable	-
207	Meloxicam	LC-MS/MS (API 3000)	Human Plasma	10 to 2560 ng / mL	K ₂ EDTA	15 mg
208	Mesalamine	LC-MS/MS (API 6500)	Human Plasma	5 to 3000 ng/mL	K ₂ EDTA	500 mg
209	Metaxalone	HPLC-UV	Human Plasma	1 to 256 µg / mL	Heparin	-
210	Metaxalone	HPLC-UV	Human Plasma	1 to 256 µg / mL	K ₂ EDTA	-
211	Metaxalone	LC-MS (API 150)	Human Plasma	5 to 2560 ng / mL	K ₂ EDTA	-
212	Metaxalone	LC-MS/MS (API 6500)	Human Plasma	20 to 6000 ng / mL	K ₂ EDTA	400 mg
213	Methylphenidate	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng / mL	K ₂ EDTA	-
214	Methylphenidate	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng/mL	Sodium Fluoride & Potassium Oxalate	54mg
215	Methylphenidate	LC-MS/MS (Thermo)	Human Plasma	0.026 to 15 ng/mL	K ₂ EDTA	20 mg
216	L-Threo-Methylphenidate	LC-MS/MS (API 6500)	Human Plasma	1 to 195 pg/mL	K ₂ EDTA	18 mg
	D-Threo-Methylphenidate	LC-MS/MS (API 6500)	Human Plasma	25 to 9800 pg/mL	K ₂ EDTA	NA
217	Methylphenidate Achiral	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng/mL	K ₂ EDTA	54 mg
218	Methylphenidate Chiral(L&D)	LC-MS/MS (API 6500)	Human Plasma	100 to 30000 pg/mL(D)	K ₂ EDTA	54 mg
	Methylphenidate Chiral(L&D)	LC-MS/MS (API 6500)	Human Plasma	50 to 4000 pg/mL(L)	K ₂ EDTA	54 mg
219	Methylphenidate Chiral(L&D)	LC-MS/MS (Thermo)	Human Plasma	15 to 3000 pg/mL (L)	Sodium fluoride & Potassium oxalate	60 mg
	Methylphenidate Chiral(L&D)	LC-MS/MS (Thermo)	Human Plasma	200 to 40000 pg/mL (D)	Sodium fluoride & Potassium oxalate	60 mg
220	Methylprednisolone	LC-MS/MS (API 3000)	Human Plasma	0.4 to 51 ng / mL	Sodium fluoride potassium oxalate	-

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
221	Methylprednisolone	LC-MS/MS (API 6500)	Human Plasma	0.4 to 75 ng/mL	Sodium Fluoride & Potassium Oxalate	80mg/mL Injectable suspension
222	Metoprolol	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	Sodium heparin	200 mg
223	Metformin	LC-MS/MS (API 3000)	Human Plasma	10.01 to 2002 ng / mL	K ₂ EDTA	1000 mg
224	Metformin	LC-MS (API 150)	Human Urine	2 to 256 µg / mL	Not applicable	1000 mg
225	Methazolamide	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 10000 ng / mL	K ₂ EDTA	150 mg
226	Methazolamide	LC-MS/MS (Waters QPXE)	Human Whole Blood	100 to 50000 ng / mL	K ₂ EDTA	150 mg
227	Methazolamide	LC-MS/MS (Thermo)	Human Plasma	5 to 9800 ng/mL	K ₂ EDTA	150 mg
228	Midazolam	LC-MS/MS (Thermo)	Human Plasma	1 to 200 ng/mL	K ₂ EDTA	5mg/0.1 mL Nasal Spray
	α-Hydroxy Midazolam	LC-MS/MS (Thermo)	Human Plasma	0.1 to 20 ng/mL	K ₂ EDTA	-
229	Minocycline	LC-MS/MS (Thermo)	Human Plasma	4 to 3500 ng / mL	K ₂ EDTA	45 mg to 135 mg
230	Mirtazapine	LC-MS/MS (API 300 or 3000)	Human Plasma	0.5 to 128 ng / mL	Sodium heparin	-
231	Misoprostol Acid	LC-MS/MS (Thermo)	Human Plasma	10 to 1280 pg / mL	Lithium heparin	-
	Diclofenac	LC-MS/MS (Thermo)	Human Plasma	20 to 2560 ng / mL	Lithium heparin	-
232	Mometasone furoate	LC-MS/MS (Thermo)	Human Plasma	0.5 to 100 pg/mL	K ₂ EDTA	50 µg Nasal spray
233	Monomethyl fumarate	LC-MS/MS (API 6500)	Human Plasma	10 to 6000 ng/mL	K ₂ EDTA	120 mg
234	Monomethyl fumarate	LC-MS/MS (Thermo)	Human Plasma	20 to 5000 ng / mL	K ₂ EDTA	240 mg DMF
	Monoethyl fumarate	LC-MS/MS (Thermo)	Human Plasma	20 to 5000 ng / mL	K ₂ EDTA	
235	Mycophenolic Acid	HPLC-UV	Human Plasma	0.1 to 51 µg / mL	K ₂ EDTA	-
236	Mycophenolate Mofetil	LC-MS/MS (Thermo)	Human Plasma	0.04 to 20 ng / mL	K ₂ EDTA	250 mg
	Mycophenolic Acid	LC-MS/MS (Thermo)	Human Plasma	0.1 to 51 µg / mL	K ₂ EDTA	-
237	6-Methoxy-2-Naphthaleneacetic Acid	HPLC - Fluorescence	Human Plasma	0.5 to 32 µg / mL	Heparin	-
N						
238	Nadolol	LC-MS/MS (API 3000)	Human Plasma	2 to 256 ng / mL	K ₂ EDTA	-
	Bendroflumethiazide	LC-MS/MS (API 3000)	Human Plasma	1 to 128 ng / mL	K ₂ EDTA	-
239	Naloxone	LC-MS/MS (API 6500)	Human Plasma	1 to 500 pg/mL	K ₂ EDTA	20 mg
240	Naloxone	LC-MS/MS (Thermo)	Human plasma	0.02 to 20 ng/mL	K ₂ EDTA	0.4 mg/mL
241	Naloxone-3-β-D-Glucuronide	LC-MS/MS (API 6500)	Human Plasma	1 to 300 ng/mL	K ₂ EDTA	20 mg
	Oxycodone	LC-MS/MS (API 6500)	Human Plasma	0.5 to 150 ng/mL	K ₂ EDTA	40 mg
242	Naltrexone	LC-MS/MS (API 3000)	Human or Dog Plasma	0.1 to 205 ng / mL	Sodium heparin for human plasma; K ₃ EDTA for dog plasma	50 mg
	6-β-Naltrexol	LC-MS/MS (API 3000)	Human or Dog Plasma	0.1 to 205 ng / mL	Sodium heparin for human plasma; K ₃ EDTA for dog plasma	-

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
243	Naltrexone	LC-MS/MS (API 3000)	Human Urine	1 to 512 ng / mL	Not applicable	-
	6-β-Naltrexol	LC-MS/MS (API 3000)	Human Urine	9.947 to 5092 ng / mL	Not applicable	-
244	Naproxen	HPLC - Fluorescence	Human Plasma	0.5 to 128 µg / mL	Heparin	-
245	Nebivolol	LC-MS/MS (API 6500)	Human Plasma	15 to 5000 pg/mL	K ₂ EDTA	5 mg
246	Nefazodone	LC-MS (API 150)	Human Plasma	6.25 to 800 ng / mL	Heparin	-
	2-Hydroxynefazodone	LC-MS (API 150)	Human Plasma	1.88 to 240 ng / mL	Heparin	-
	m-Chlorophenylpiperazine	LC-MS (API 150)	Human Plasma	1.25 to 160 ng / mL	Heparin	-
247	Niacin	LC-MS/MS (Thermo)	Human Plasma	20 to 2000 ng / mL	K ₂ EDTA	1000 mg
	Nicotinic acid	LC-MS/MS (Thermo)	Human Plasma	20 to 2000 ng / mL	K ₂ EDTA	-
248	Nifedipine	LC-MS (API 150)	Human Plasma	0.5 to 200 ng / mL	K ₃ EDTA	60 mg
249	Nifedipine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 200 ng / mL	K ₂ EDTA	60 mg
250	Nintedanib	LC-MS/MS (Thermo)	Human Plasma	0.050- 20 ng/mL	K ₂ EDTA	150mg
251	Nitisinone	LC-MS/MS (Thermo)	Human plasma	10 to 2500 ng/mL	K ₂ EDTA	10 mg
252	Nitrofurantoin	HPLC-UV	Human Plasma	20 to 2560 ng / mL	Sodium heparin	-
253	Nitrofurantoin	LC-MS/MS (Thermo)	Human Plasma	5 to 1000 ng/mL	K ₂ EDTA	25mg/5mL suspension
254	Nitroglycerin	LC-MS/MS (API 6500)	Human Plasma	20 to 4000 pg/mL	K ₂ EDTA	1.5mg
	1,3-Dinitroglycerin	LC-MS/MS (API 6500)	Human Plasma	40 to 4000 pg/mL	K ₂ EDTA	
	1,2-Dinitroglycerin	LC-MS/MS (API 6500)	Human Plasma	40 to 8000 pg/mL	K ₂ EDTA	
255	Nizatidine	HPLC-UV	Human Plasma	10 to 5120 ng / mL	Heparin	300 mg
	Desmethylnizatidine	HPLC-UV	Human Plasma	5 to 2560 ng / mL	Heparin	-
256	Norflaxacin	HPLC - Fluorescence	Human Plasma	20 to 2560 ng / mL	K ₃ EDTA	-
257	Nortriptyline	HPLC-UV	Human Plasma	1 to 64 ng / mL	K ₃ EDTA	-
258	Norethindrone	LC-MS/MS (Thermo)	Human Plasma	50 to 15000 pg / mL	K ₂ EDTA	0.35 mg / 1 mg
259	RS-Norketotifen	LC-MS/MS (Thermo)	Human Plasma	0.2 to 70 ng/mL	K ₂ EDTA	8 mg
260	S-Norketotifen	LC-MS/MS (Thermo)	Human Plasma	1 - 1000 ng/mL	K ₂ EDTA	4 mg/8mg/16mg
	R- Norketotifen	LC-MS/MS (Thermo)	Human Plasma	1 - 1000 ng/mL	K ₂ EDTA	NA
O						
261	Olanzapine	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	10 mg
262	Olmesartan	LC-MS/MS (API 3000)	Human Plasma	6 to 1536 ng / mL	K ₂ EDTA	40 mg
	Hydrochlorothiazide	LC-MS/MS (API 3000)	Human Plasma	2.01 to 512.46 ng / mL	K ₂ EDTA	25 mg
263	Omeprazole	LC-MS/MS (API 3000)	Human Plasma	1 to 1024 ng / mL	Sodium heparin	-
264	Omeprazole	LC-MS/MS (Thermo)	Human Plasma	5 to 3450 ng / mL	K ₂ EDTA	40 mg
265	Omeprazole	LC-MS/MS (Thermo)	Human Plasma	5 to 3400 ng/mL	K ₂ EDTA	20 mg
266	Ondansetron	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	Lithium heparin	8 mg

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
267	Oxcarbazepine	LC-MS/MS (API 3000)	Human Plasma	0.01 to 10 µg / mL	K ₂ EDTA	300 mg/ 5 mL
268	10,11-dihydro-10-Hydroxycarbamazepine	LC-MS/MS (API 3000)	Human Plasma	0.05 to 51.2 µg / mL	K ₂ EDTA	-
269	Oxcarbazepine	LC-MS/MS (Thermo)	Human Plasma	0.01 to 5.12 µg / mL	K ₂ EDTA	300 mg/ 5 mL
	10,11-dihydro-10-Hydroxycarbamazepine	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25.6 µg / mL	K ₂ EDTA	-
270	Oxycodone	LC-MS/MS (Thermo)	Human Plasma	0.1 to 60 ng / mL	K ₂ EDTA	5 mg
271	Oxycodone	LC-MS/MS (Thermo)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	80 mg
272	Oxycodone	LC-MS/MS (API 3000)	Human Plasma	0.1 to 101 ng / mL	Heparin	-
	Oxymorphone	LC-MS/MS (API 3000)	Human Plasma	0.1 to 100 ng / mL	Heparin	-
273	Oxycodone	LC-MS/MS (Thermo)	Human Plasma	0.234 to 60 ng / mL	K ₂ EDTA	20 mg
	Oxymorphone	LC-MS/MS (Thermo)	Human Plasma	0.234 to 60 ng / mL	K ₂ EDTA	-
274	Oxycodone	LC-MS/MS (API 3000)	Human Plasma	0.5 to 255 ng / mL	K ₃ EDTA	-
	Noroxycodone	LC-MS/MS (API 3000)	Human Plasma	0.5 to 256 ng / mL	K ₃ EDTA	-
	Oxymorphone	LC-MS/MS (API 3000)	Human Plasma	0.1 to 51.2 ng / mL	K ₃ EDTA	-
275	Oxybutynin	LC-MS/MS (API 300 or 3000)	Human Plasma	0.16 to 20 ng / mL	Heparin	-
	Desethyloxybutynin	LC-MS/MS (API 300 or 3000)	Human Plasma	0.3 to 40 ng / mL	Heparin	-
276	Oxymorphone	LC-MS/MS (Thermo)	Human Plasma	40 to 1280 pg / mL	K ₂ EDTA	-
	Hydroxy Oxymorphone	LC-MS/MS (Thermo)	Human Plasma	25 to 800 pg / mL	K ₂ EDTA	-
277	Oxymorphone	LC-MS/MS (Thermo)	Human Plasma	40 to 3200 pg / mL	K ₂ EDTA	10 mg
	Hydroxy Oxymorphone	LC-MS/MS (Thermo)	Human Plasma	25 to 2000 pg / mL	K ₂ EDTA	10 mg
278	Oxymorphone	LC-MS/MS (Thermo)	Human Plasma	0.025 to 8.000 ng/mL	K ₂ EDTA	20 mg
	Hydroxy Oxymorphone	LC-MS/MS (Thermo)	Human Plasma	0.025 to 8.000 ng/mL	K ₂ EDTA	20 mg
P						
279	Pantoprazole	LC-MS/MS (API 3000)	Human Plasma	20 to 5120 ng / mL	K ₂ EDTA	40 mg
280	Paroxetine	HPLC - Fluorescence	Human Plasma	0.2 to 50 ng / mL	Sodium heparin	-
281	Paroxetine	HPLC - Fluorescence	Human Plasma	1.6 to 200 ng / mL	Sodium heparin	-
282	Pentoxifylline	HPLC-UV	Human Plasma	5 to 240 ng / mL	K ₃ EDTA	-
283	Pergolide	LC-MS/MS (API 3000)	Human Plasma	0.2 to 1.28 ng / mL	Heparin	-
284	Phenobarbital	LC-MS/MS (Thermo)	Human Plasma	20 to 2000 ng/mL	K ₂ EDTA	50 mg/mL Oral solution
285	Phenylephrine (Total)	LC-MS/MS (Thermo)	Human Plasma	4 to 512 ng / mL	K ₂ EDTA	10 mg
286	Phenytoin	HPLC-UV	Human Plasma	0.04 to 2.56 µg / mL	K ₃ EDTA	-
287	Phytonadione- Trans	LC-MS/MS (API 6500)	Human Plasma	0.3 to 100 ng/mL	K ₂ EDTA	5 mg
	Phytonadione- Cis	LC-MS/MS (API 6500)	Human Plasma	0.3 to 100 ng/mL	K ₂ EDTA	5 mg
288	Phytonadione- Trans	LC-MS/MS (API 6500)	Human Plasma	1 to 500 ng/mL	K ₂ EDTA	5 mg
	Phytonadione- Cis	LC-MS/MS (API 6500)	Human Plasma	1 to 500 ng/mL	K ₂ EDTA	5 mg

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
289	Pomalidomide	LC-MS/MS (API 6500)	Human Plasma	0.2 to 125 ng/mL	Sodium fluoride and Potassium oxalate	4 mg
290	Pramipexole	LC-MS/MS (Thermo)	Human Plasma	50 to 3200 pg / mL	K ₂ EDTA	-
291	*Prasugrel active metabolite (R-138727)	LC-MS/MS (Thermo)	Human Plasma	0.2 to 150 ng / mL	K ₂ EDTA	10 mg of Prasugrel
292	*Prasugrel inactive metabolite (R-95913)	LC-MS/MS (Thermo)	Human Plasma	0.25 to 127 ng / mL	K ₂ EDTA	10 mg of Prasugrel
293	Pravastatin	LC-MS/MS (API 3000)	Human Plasma	0.25 to 128 ng / mL	Sodium heparin	-
	3- α -Hydroxy Pravastatin	LC-MS/MS (API 3000)	Human Plasma	0.25 to 128 ng / mL	Sodium heparin	-
294	Pravastatin	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	Sodium heparin	80 mg
	3- α -Hydroxy Pravastatin	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	Sodium heparin	-
295	Pravastatin	LC-MS/MS (Thermo)	Human Plasma	1 to 512 ng / mL	Sodium heparin	80 mg
	3- α -Hydroxy Pravastatin	LC-MS/MS (Thermo)	Human Plasma	1 to 512 ng / mL	Sodium heparin	-
296	Primidone	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 μ g / mL	K ₂ EDTA	-
	Phenobarbital	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 μ g / mL	K ₂ EDTA	-
	Phenylethylmalonamide	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 μ g / mL	K ₂ EDTA	-
297	Progesterone	LC-MS/MS (API 6500)	Human Plasma	0.04 to 40 ng/mL	K ₂ EDTA	200 mg
298	Pseudoephedrine	LC-MS/MS (API 6500)	Human Plasma	1 to 400 ng/mL	Sodium Heparin	30mg / 120 mg
Q						
299	Quetiapine	LC-MS/MS (Thermo)	Human Plasma	1 to 1024 ng / mL	K ₂ EDTA	200 mg
300	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	20 mg
R						
301	Rabeprazole	LC-MS/MS (API 3000)	Human Plasma	2 to 1024 ng / mL	K ₂ EDTA	20 mg
302	Ramipril	LC-MS/MS (API 3000)	Human Plasma	0.05 to 6 ng / mL	K ₃ EDTA	2.5 mg
	Ramiprilat	LC-MS/MS (API 3000)	Human Plasma	0.05 to 6 ng / mL	K ₃ EDTA	-
303	Ramipril	LC-MS/MS (Thermo)	Human Plasma	0.05 to 6 ng / mL	K ₂ EDTA	2.5 mg
	Ramiprilat	LC-MS/MS (Thermo)	Human Plasma	0.05 to 6 ng / mL	K ₂ EDTA	-
304	Ramipril	LC-MS/MS (API 3000)	Human Plasma	0.05 to 51 ng / mL	K ₃ EDTA	10 mg
	Ramiprilat	LC-MS/MS (API 3000)	Human Plasma	0.05 to 51 ng / mL	K ₃ EDTA	-
305	Ramipril	LC-MS/MS (Thermo)	Human Plasma	0.05 to 51 ng / mL	K ₂ EDTA	10 mg
	Ramiprilat	LC-MS/MS (Thermo)	Human Plasma	0.05 to 51 ng / mL	K ₂ EDTA	-
306	Ranitidine	LC-MS/MS (Thermo)	Human Plasma	15 to 1920 ng / mL	K ₂ EDTA	300 mg
307	Rifabutin	LC-MS (API 150)	Human Plasma	10 to 1280 ng / mL	K ₂ EDTA	-
	25-O-DesacetylRifabutin	LC-MS (API 150)	Human Plasma	2.5 to 320 ng / mL	K ₂ EDTA	-
	Clofazimine	LC-MS (API 150)	Human Plasma	5 to 640 ng / mL	K ₂ EDTA	-
308	Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	35 mg

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
309	Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.2 to 128 ng / mL	K ₂ EDTA	75 mg
310	Rivastigmine	LC-MS/MS (Thermo)	Human Plasma	0.3 to 63 ng / mL	K ₂ EDTA	Transdermal Patch 9.5 mg
311	Rivastigmine	LC-MS/MS (API 6500)	Human Plasma	0.3 to 63 ng / mL	K ₂ EDTA	9.5 mg
312	Rosiglitazone	LC-MS/MS (API 3000)	Human Plasma	2 to 1024 ng / mL	Sodium heparin	8 mg
313	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.1 to 25 ng / mL	K ₂ EDTA	20 mg
314	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	40 mg
S						
315	Scopolamine	LC-MS/MS (API 6500)	Human Plasma	1 to 400 pg/mL	K ₂ EDTA	1 mg Patch
316	Sertraline	LC-MS/MS (API 3000)	Human Plasma	0.25 to 250 ng / mL	Sodium heparin	100 mg
	N-Desmethylertraline	LC-MS/MS (API 3000)	Human Plasma	0.25 to 250 ng / mL	Sodium heparin	-
317	Sildenafil	LC-MS/MS (API 6500)	Human Plasma	1 to 500 ng/mL	K ₂ EDTA	10 mg/mL
	N-Desmethyl Sildenafil	LC-MS/MS (API 6500)	Human Plasma	0.5 to 75 ng/mL	K ₂ EDTA	-
318	Simvastatin	LC-MS/MS (API 300 or 3000)	Human Plasma	0.1 to 25 ng / mL	Sodium heparin	-
	Simvastatin Hydroxy Acid	LC-MS/MS (API 300 or 3000)	Human Plasma	0.1 to 25 ng / mL	Sodium heparin	-
319	Simvastatin	LC-MS/MS (Thermo)	Human Plasma	0.1 to 51.2 ng / mL	K ₂ EDTA	80 mg
	Simvastatin Hydroxy Acid	LC-MS/MS (Thermo)	Human Plasma	0.1 to 25.6 ng / mL	K ₂ EDTA	-
320	Sirolimus	LC-MS/MS (API 3000)	Human Whole Blood	0.4 to 51 ng / mL	K ₂ EDTA	2 mg
321	Sitagliptin	LC-MS/MS (Thermo)	Human Plasma	1 to 512 ng / mL	K ₂ EDTA	100 mg
322	Sotalol	HPLC - Fluorescence	Human Plasma	10 to 2560 ng / mL	heparin	-
323	Sulfamethoxazole	HPLC-UV	Human Plasma	0.2 to 102 µg / mL	K ₃ EDTA	-
	Trimethoprim	HPLC-UV	Human Plasma	0.02 to 2.56 µg / mL	K ₃ EDTA	50 mg
324	Sufentanil	LC-MS/MS (Thermo)	Human Plasma	0.01 to 1.28 ng / mL	K ₂ EDTA	-
	Triazolam	LC-MS/MS (Thermo)	Human Plasma	0.1 to 12.8 ng / mL	K ₂ EDTA	-
325	Sufentanil	LC-MS/MS (Thermo)	Human Plasma	2 to 256 pg / mL	K ₂ EDTA	10 mcg
	Triazolam	LC-MS/MS (Thermo)	Human Plasma	0.05 to 6.4 ng / mL	K ₂ EDTA	200 mcg
326	Sulfasalazine	LC-MS (API 150)	Human Plasma	20 to 2560 ng / mL	K ₃ EDTA	-
	Sulfapyridine	LC-MS (API 150)	Human Plasma	200 to 25600 ng / mL	K ₃ EDTA	-
	5-Aminosalicylic Acid	LC-MS (API 150)	Human Plasma	20 to 2560 ng / mL	K ₃ EDTA	-
	Acetyl-5-Aminosalicylic Acid	LC-MS (API 150)	Human Plasma	10 to 1280 ng / mL	K ₃ EDTA	-
327	Sumatriptan	LC-MS/MS (Thermo)	Human Plasma	0.1 to 40 ng/mL	K ₂ EDTA	20 mg
328	Sumatriptan	LC-MS/MS (API 300 or 3000)	Human Plasma or Pig Plasma	0.5 to 128 ng / mL	K ₃ EDTA	-
T						

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
329	Tacrolimus	LC-MS/MS (Thermo)	Human Whole Blood	0.2 to 25 ng / mL	K ₂ EDTA	0.5 to 4 mg
330	Tamoxifen	LC-MS/MS (API 3000)	Human Plasma	0.25 to 64 ng / mL	K ₂ EDTA	20 mg
331	Tamoxifen	LC-MS (API 150)	Human Plasma	0.25 to 64 ng / mL	Heparin	-
	N-Desmethyltamoxifen	LC-MS (API 150)	Human Plasma	0.25 to 64 ng / mL	Heparin	-
332	Tamsulosin	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K ₂ EDTA	-
333	Temazepam	LC-MS/MS (API 3000)	Human Plasma	4 to 1024 ng / mL	K ₂ EDTA	30 mg
334	Terazosin	HPLC - Fluorescence	Human Plasma	0.5 to 64 ng / mL	Heparin	-
335	Terbinafine	HPLC-UV	Human Plasma	0.01 to 2.5 µg / mL	K ₃ EDTA	250 mg
336	Testosterone	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 ng / mL	K ₂ EDTA	1% gel
337	Testosterone	LC-MS/MS (Thermo)	Human Serum	0.1 to 25 ng/mL	N/AP	1.62 % Gel
338	Tetrabenazine	LC-MS/MS (Thermo)	Human Plasma	0.015 to 3.84 ng / mL	K ₂ EDTA	50 mg
	α-Dihydrotetrabenazine	LC-MS/MS (Thermo)	Human Plasma	0.625 to 160 ng / mL	K ₂ EDTA	-
	β-Dihydrotetrabenazine	LC-MS/MS (Thermo)	Human Plasma	0.469 to 120 ng / mL	K ₂ EDTA	-
339	Tetracycline	LC-MS/MS (Thermo)	Human Plasma	200 to 20000 ng / mL	K ₂ EDTA	500 mg
340	Theophylline	HPLC-UV	Human Plasma	0.15 to 19 µg / mL	K ₃ EDTA	-
341	Ticagrelor	LC-MS/MS (Thermo)	Human Plasma	2.5 to 1500 ng/mL	K ₂ EDTA	90mg
	Deshydroxyethoxy Ticagrelor	LC-MS/MS (Thermo)	Human Plasma	1 to 300 ng/mL	K ₂ EDTA	90mg
342	Ticlopidine	HPLC-UV	Human Plasma	10 to 1280 ng / mL	K ₃ EDTA	-
343	Tofacitinib	LC-MS/MS (Thermo)	Human Plasma	0.2 to 100 ng/mL	K ₂ EDTA	11 mg and 5 mg
344	Topiramate	LC-MS/MS (API 3000)	Human Plasma or Dog Plasma	5 to 2560 ng / mL	Sodium heparin	50 mg
345	Topiramate	LC-MS/MS (API 3000)	Human Plasma	50 to 12800 ng / mL	Sodium heparin	200 mg
346	Topiramate	LC-MS/MS (Thermo)	Human Plasma	2 to 1000 ng/mL	K ₂ EDTA	25 mg/mL oral solution
347	Torseimide	LC-MS/MS (API 300 or 3000)	Human Plasma	10 to 10240 ng / mL	K ₃ EDTA	-
348	Tramadol	HPLC - Fluorescence	Human Plasma	2.5 to 320 ng / mL	K ₃ EDTA	-
	O-Desmethyltramadol	HPLC - Fluorescence	Human Plasma	2.5 to 320 ng / mL	K ₃ EDTA	-
349	Tramadol	LC-MS/MS (API 3000)	Human Plasma or Mouse Plasma	2 to 1024 ng / mL	K ₂ EDTA	89 mg
350	O-Desmethyltramadol	LC-MS/MS (API 3000)	Human Plasma or Mouse Plasma	1 to 512 ng / mL	K ₂ EDTA	-
	O,N-di-Desmethyltramadol	LC-MS/MS (API 3000)	Human Plasma or Mouse Plasma	1 to 512 ng / mL	K ₂ EDTA	-

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
351	Tramadol	LC-MS/MS (API 3000)	Human Urine	0.2 to 50 µg / mL	Not applicable	-
	O-Desmethyltramadol	LC-MS/MS (API 3000)	Human Urine	0.05 to 12.5 µg / mL	Not applicable	-
	O,N-di-Desmethyltramadol	LC-MS/MS (API 3000)	Human Urine	0.05 to 12.5 µg / mL	Not applicable	-
352	Tramadol	LC-MS/MS (API 3000)	Dog Plasma	2 to 1024 ng / mL	K ₂ EDTA	89 mg
	O-Desmethyltramadol	LC-MS/MS (API 3000)	Dog Plasma	1 to 512 ng / mL	K ₂ EDTA	-
353	Tramadol	LC-MS/MS (Thermo)	Human Plasma	2 to 1024 ng / mL	K ₂ EDTA	89 mg
	O-Desmethyltramadol	LC-MS/MS (Thermo)	Human Plasma	1 to 512 ng / mL	K ₂ EDTA	-
	O,N-di-Desmethyltramadol	LC-MS/MS (Thermo)	Human Plasma	1 to 512 ng / mL	K ₂ EDTA	-
	Meloxicam	LC-MS/MS (Thermo)	Human Plasma	3.75 to 1920 ng / mL	K ₂ EDTA	-
354	Tramadol	LC-MS/MS (Thermo)	Human Plasma	2 to 500 ng/mL	K ₂ EDTA	100 mg
355	Tramadol	LC-MS/MS (Thermo)	Human Plasma	2 to 800 ng/mL	K ₂ EDTA	200 mg
356	Trazodone	HPLC - Fluorescence	Human Plasma	10 to 2560 ng / mL	Heparin	-
357	Triamcinolone acetonide	LC-MS/MS (Thermo)	Human Plasma	0.025 to 6.4 ng/mL	K ₂ EDTA	10 mg/mL
358	Trimebutine	LC-MS/MS (Thermo)	Human Plasma	1 to 256 ng / mL	K ₂ EDTA	96 mg
	N-Desmethyltrimbutine	LC-MS/MS (Thermo)	Human Plasma	10 to 2560 ng / mL	K ₂ EDTA	-
U						
359	Ursodiol	LC-MS (API 150)	Human Plasma	100 to 12800 ng / mL	K ₃ EDTA	-
	Glycoursodeoxycholic Acid	LC-MS (API 150)	Human Plasma	150 to 19200 ng / mL	K ₃ EDTA	-
	Tauroursodeoxycholic Acid	LC-MS (API 150)	Human Plasma	100 to 12800 ng / mL	K ₃ EDTA	-
V						
360	Valsartan	LC-MS/MS (API 3000)	Human Plasma	20 to 10240 ng / mL	K ₂ EDTA	160 mg
361	Valsartan	LC-MS/MS (Waters)	Human Plasma	10 to 5000 ng/mL	K ₂ EDTA	80 mg
362	Venlafaxine	LC-MS/MS (API 3000)	Human Plasma	2 to 192 ng / mL	Sodium heparin	150 mg
	O-Desmethylvenlafaxine	LC-MS/MS (API 3000)	Human Plasma	4 to 384 ng / mL	Sodium heparin	-
363	Venlafaxine	LC-MS/MS (Thermo)	Human Plasma	1 to 600 ng/mL	Sodium heparin	300 mg
	Orthodesmethyl Venlafaxine	LC-MS/MS (Thermo)	Human Plasma	2 to 800 ng/mL	Sodium heparin	-
364	Venlafaxine	LC-MS/MS (API 3000)	Human Plasma	1 to 256 ng / mL	Sodium heparin	75 mg
	O-Desmethylvenlafaxine	LC-MS/MS (API 3000)	Human Plasma	2 to 512 ng / mL	Sodium heparin	-
	N-Desmethylvenlafaxine	LC-MS/MS (API 3000)	Human Plasma	1 to 256 ng / mL	Sodium heparin	-
	N,O-Didesmethylvenlafaxine	LC-MS/MS (API 3000)	Human Plasma	1 to 256 ng / mL	Sodium heparin	-
	N,N,O-Tridesmethylvenlafaxine	LC-MS/MS (API 3000)	Human Plasma	1 to 256 ng / mL	Sodium heparin	-
	Venlafaxine	LC-MS/MS (API 300 or 3000)	Human Urine	0.1 to 13 µg / mL	Not applicable	-
	O-Desmethylvenlafaxine	LC-MS/MS (API 300 or 3000)	Human Urine	0.2 to 25 µg / mL	Not applicable	-

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
365	N-Desmethylvenlafaxine	LC-MS/MS (API 300 or 3000)	Human Urine	0.1 to 13 µg / mL	Not applicable	-
	N,O-Didesmethylvenlafaxine	LC-MS/MS (API 300 or 3000)	Human Urine	0.2 to 25 µg / mL	Not applicable	-
	N,N,O-Tridesmethylvenlafaxine	LC-MS/MS (API 300 or 3000)	Human Urine	0.1 to 13 µg / mL	Not applicable	-
366	Verapamil	HPLC - Fluorescence	Human Plasma	2 to 256 ng / mL	K ₃ EDTA	-
	Norverapamil	HPLC - Fluorescence	Human Plasma	2 to 256 ng / mL	K ₃ EDTA	-
367	Verapamil	LC-MS/MS (Thermo)	Human Plasma	2 to 300 ng / mL	Sodium heparin	240 mg
	Norverapamil	LC-MS/MS (Thermo)	Human Plasma	2 to 175 ng / mL	Sodium heparin	-
368	Verapamil (chiral)	HPLC - Fluorescence	Human Plasma	1.6 to 102 ng / mL	Heparin	-
	Norverapamil (chiral)	HPLC - Fluorescence	Human Plasma	1.61 to 102 ng / mL	Heparin	-
369	Vigabatrin	LC-MS (API 150)	Human Plasma	0.2 to 25 µg / mL	K ₂ EDTA	-
W						
370	R-Warfarin	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	K ₃ EDTA	-
	S-Warfarin	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	K ₃ EDTA	-
Z						
371	Ziprasidone	LC-MS/MS (API 3000)	Human Plasma	0.125 to 64 ng / mL	K ₂ EDTA	5 mg
372	Ziprasidone	LC-MS/MS (API 3000)	Human Plasma	0.5 to 256 ng / mL	K ₂ EDTA	40 mg
373	Zolmitriptan	LC-MS/MS (Thermo)	Human Plasma	0.2 to 20 ng/mL	K ₂ EDTA	5mg Nasal spray
	N-desmethyl Zolmitriptan	LC-MS/MS (Thermo)	Human Plasma	0.1 to 10 ng/mL	K ₂ EDTA	5mg Nasal spray
374	Zolpidem	HPLC - Fluorescence	Human Plasma	1 to 512 ng / mL	K ₃ EDTA	10 mg

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IMMUNOGENICITY ASSESMENT

Sr. No.	Molecules
1	Screening, Confirmatory assays for Antibodies against Darbepoetin (Bridging ELISA)
3	Screening, Confirmatory assays for Antibodies against Erythropoietin (Bridging ELISA)
5	Screening, Confirmatory assays for Antibodies against Ranibizumab by (Bridging ELISA)
6	Screening, Confirmatory assays for Antibodies against Rituximab (Affinity Capture and Elution based ELISA)
7	Screening, Confirmatory assays for Antibodies against Trastuzumab (Bridging ELISA)
8	Screening, Confirmatory assays for Antibodies against Denosumab (Bridging ELISA)
9	Screening, Confirmatory assays for Antibodies against Teriperatide (ELISA)
14	Screening, Confirmatory assays for Antibodies against Romiplostim (ELISA)
16	Screening, Confirmatory assays for Antibodies against FSH (ELISA)
18	*Elisa based method for determination and characterization of neutralizing antibodies against Bevacizumab in normal human serum samples
19	Elisa based method for Immunogenicity assessment of Bevacizumab in normal human serum samples

*: Developed method available