

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
A						
Location : Canada						
1	Acetaminophen	LC-MS/MS (API 300 or 3000)	Human Plasma	0.1 to 13 µg / mL	K ₂ EDTA	-
2	Acetaminophen	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 13 µg / mL	K ₂ EDTA	320 mg
3	Acyclovir	HPLC-UV	Human Plasma	5 to 1280 ng / mL	Heparin	-
4	Acyclovir	HPLC - Fluorescence	Human Plasma	10 to 2560 ng / mL	Sodium heparin	-
5	Acyclovir	HPLC - Fluorescence	Human Plasma	20 to 2560 ng / mL	Sodium heparin	-
6	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
8	Allopurinol	LC-MS/MS (Thermo)	Human Plasma	10 to 5000 ng/mL	K ₂ EDTA	200 mg
9	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
11	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 ₃ EDTA	10 mg
13	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
15	Alectinib	LC-MS/MS (Thermo)	Human Plasma	1 to 600 ng/mL	K ₂ EDTA	50mg
16	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	-

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18	Anastrozole	LC-MS/MS (API 3000)	Human Plasma	0.1 to 26 ng / mL	K ₂ EDTA	1 mg
19	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-Desmethyatomoxetine	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	-
25	Atorvastatin	LC-MS/MS (Thermo)	Dog Plasma	10 to 2500 ng / mL	K ₂ EDTA	5 mg to 80 mg
	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	-

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25	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

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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	-
36	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	-
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	-

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40	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	-

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SMALL MOLECULES

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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	-
46	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	-
47	Buspirone	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	Buspirone	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-Hydroxybuspirone	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	-

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50	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 ₃ 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 ₃ EDTA	1 mg
	Cilazaprilat	LC-MS/MS (API 3000)	Human Plasma	0.25 to 64 ng / mL	K ₃ EDTA	1 mg
64	Cilazapril	LC-MS/MS (API 3000)	Human Plasma	4 to 1024 ng / mL	K ₃ EDTA	2.5 mg
	Cilazaprilat	LC-MS/MS (API 3000)	Human Plasma	1 to 256 ng / mL	K ₃ EDTA	2.5 mg
65	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	25 to 6400 ng / mL	K ₃ EDTA	-
66	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	20 to 2561 ng / mL	K ₃ EDTA	-

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SMALL MOLECULES

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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	-
	Oxociprofloxacin	HPLC-UV	Human Urine	0.5 to 5 µg / mL	Not applicable	-
67	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

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SMALL MOLECULES

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74	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	-
86	Ethinyl Estradiol	LC-MS/MS (API 3000)	Human Plasma	15 to 1280 pg / mL	Lithium heparin	-

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SMALL MOLECULES

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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
91	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
	Dextrophan	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	-

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

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98	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
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

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SMALL MOLECULES

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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	-
	Hydrochlorthiazide	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	-

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
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	-
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	-

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
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
140	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

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
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	-
153	Glimepiride	LC-MS/MS (API 300 or 3000)	Human Plasma	2 to 1024 ng / mL	K ₃ 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 ₃ 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 ₃ 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						

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
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	Hydrochlorthiazide	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	-

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
176	Itraconazole	LC-MS/MS (API 300 or 3000)	Human Plasma	1 to 320 ng / mL	Heparin	-
	Hydroxy Itraconazole	LC-MS/MS (API 300 or 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	-

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
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
194	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	-
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	-

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
198	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 ₃ EDTA	-
211	Metaxalone	LC-MS (API 150)	Human Plasma	5 to 2560 ng / mL	K ₃ 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

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
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	-
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

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
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

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
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	-
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	-
246	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
	Nicotinuric 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

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
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
255	Desmethylnizatidine	HPLC-UV	Human Plasma	5 to 2560 ng / mL	Heparin	-
256	Norfloxacin	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
260	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
	Hydrochlorthiazide	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	-

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
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
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	-
274	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	-

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
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
287	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
289	Pomalidomide	LC-MS/MS (API 6500)	Human Plasma	0.2 to 125 ng/mL	Sodium fluoride and Potassium oxalate	4 mg

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
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	-
296	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

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
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-Desacetyl rifabutin	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
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

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
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-Desmethylsertraline	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	-

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
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						
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

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
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	Torsemide	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

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
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	-
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	-
351	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

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
358	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	-
365	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	-

NOVUM PHARMACEUTICAL RESEARCH SERVICES INC

SMALL MOLECULES

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