

JANUARY '2012



BIOANALYTICAL METHODS



HIGHLIGHTS

- ◆ **SPACIOUS ANALYTICAL LAB SPREAD OVER 7168 sq. mts. AREA**
 - 5000 sq. mts. Area in India
 - 2018 sq. mts. Area in Canada
 - 150 sq. mts. Area in UK
- ◆ **43 LC/MS/MS INSTRUMENTS**
 - 30 LC-MC/MS in India
 - 10 LC-MS/MS in Canada
 - 3 LC-MS/MS in UK
- ◆ **03 FT-IR INSTRUMENTS IN INDIA**
- ◆ **OVER 579 VALIDATED METHODS**
- ◆ **ABOUT 19 DEVELOPED METHODS READY FOR VALIDATION**
- ◆ **ABOUT 19 METHODS UNDER DEVELOPMENT**

PART A

LIST OF VALIDATED METHODS

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	Acyclovir	HPLC-UV	Human Plasma	5 to 1280 ng / mL	Heparin	-
3	Acyclovir	HPLC - Fluorescence	Human Plasma	10 to 2560 ng / mL	Sodium heparin	-
4	Acyclovir	HPLC - Fluorescence	Human Plasma	20 to 2560 ng / mL	Sodium heparin	-
5	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	-
6	Amlodipine	LC-MS/MS (API 3000)	Human Plasma	0.1 to 13 ng / mL	K ₃ EDTA	10 mg
7	Alendronate	LC-MS/MS (API 3000)	Human Urine	1 to 256 ng / mL	Not applicable	-
8	Anastrozole	LC-MS/MS (API 3000)	Human Plasma	0.1 to 26 ng / mL	K ₂ EDTA	1 mg
9	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	-
10	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	-
11	Atazanavir	LC-MS/MS (Thermo)	Human Plasma	20 to 8000 ng/mL	K ₂ EDTA	300 mg
12	Azithromycin	LC-MS (API 150)	Human Plasma	5 to 1280 ng / mL	Sodium heparin	600 mg
Location : India						
13	Acelofenac	LC-MS/MS (API 2000)	Human Plasma	75 to 22000 ng / mL	Heparin	100 mg
14	Acetyl salicylic acid	HPLC-UV	Human Plasma	0.05 to 8 µg / mL	K ₂ EDTA / Heparin	650 mg
	Salicylic acid	HPLC-UV	Human Plasma	0.4 to 40 µg / mL	K ₂ EDTA / Heparin	-
15	Acetyl salicylic acid	LC-MS/MS (API 4000)	Human Plasma	2.5 to 500 ng/ mL	K ₂ EDTA	25 mg
	Salicylic acid	LC-MS/MS (API 4000)	Human Plasma	100 to 6000 ng / mL	K ₂ EDTA	-

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
16	Acetyl salicylic acid	LC-MS/MS (API 4000)	Human Plasma	4 to 3000 ng/ mL	K ₂ EDTA	100 mg
	Salicylic acid	LC-MS/MS (API 4000)	Human Plasma	150 to 12000 ng / mL	K ₂ EDTA	-
17	Allopurinol	LC-MS/MS (API 3200)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	300 mg
18	Amlodipine	LC-MS/MS (API 2000)	Human Plasma	0.2 to 10 ng / mL	Heparin	10 mg
19	*Amlodipine (R)	LC-MS/MS (API 4000)	Human Plasma	0.1 to 5 ng / mL	K ₂ EDTA	5 mg / 10 mg
	*Amlodipine (S)	LC-MS/MS (API 4000)	Human Plasma	0.1 to 7.5 ng / mL	K ₂ EDTA	5 mg / 10 mg
20	*Amlodipine (R)	LC-MS/MS (API 4000)	Human Plasma	0.1 to 5 ng / mL	K ₂ EDTA	5 mg / 10 mg
	*Amlodipine (S)	LC-MS/MS (API 4000)	Human Plasma	0.1 to 7.5 ng / mL	K ₂ EDTA	5 mg / 10 mg
21	Amiloride	LC-MS/MS (Waters)	Human Plasma	0.15 to 20 ng / mL	K ₂ EDTA	5 mg
22	Amiodarone	LC-MS/MS (Waters)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	200 mg
23	Amiodarone	LC-MS/MS (Waters)	Human Plasma	5 to 2000 ng / mL	K ₂ EDTA	200 mg
24	Amitriptyline	LC-MS/MS (Waters)	Human Plasma	0.1 to 30 ng / mL	K ₂ EDTA	25 mg
	Nortriptyline	LC-MS/MS (Waters)	Human Plasma	0.2 to 15 ng / mL	K ₂ EDTA	-
25	Amoxicillin	HPLC-UV	Human Plasma	0.5 to 15 µg / mL	K ₂ EDTA / Heparin	500 mg
26	Amphotericin B	HPLC-UV	Human Plasma	0.25 to 10 µg / mL	K ₂ EDTA	2 mg
27	*Alendronate	LC-MS/MS (API 4000)	Human Urine	2 to 600 ng / mL	NA	70 mg
28	*Alendronate	LC-MS/MS (API 4000)	Human Plasma	3 to 120 ng / mL	K ₂ EDTA	70 mg
29	*Alendronate	LC-MS/MS (Thermo)	Human Plasma	0.05 to 20 ng / mL	K ₂ EDTA	10 mg
30	Anastrozole	LC-MS/MS (API 3200)	Human Plasma	0.25 to 25 ng / mL	Heparin	1 mg
31	Apovincaminic acid	LC-MS/MS (Waters)	Human Plasma	0.25 to 50 ng / mL	K ₂ EDTA	5 mg
32	Apovincaminic acid	LC-MS/MS (Waters)	Human Plasma	0.5 to 180 ng / mL	K ₂ EDTA	15 mg
33	Aripiprazole	LC-MS/MS (Waters)	Human Plasma	0.1 to 50 ng / mL	K ₂ EDTA	5 mg
	Dehydro aripiprazole	LC-MS/MS (Waters)	Human Plasma	0.1 to 50 ng / mL	K ₂ EDTA	-

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
34	Aripiprazole	LC-MS/MS (Waters)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	10 mg
35	Aripiprazole	LC-MS/MS (Waters)	Human Plasma	0.5 to 50 ng / mL	K ₂ EDTA	5 mg
36	Atenolol	HPLC - Fluorescence	Human Plasma	10 to 800 ng / mL	K ₂ EDTA / Heparin	100 mg
37	Atenolol	LC-MS/MS (Waters)	Human Plasma	5 to 1000 ng / mL	K ₂ EDTA	50 mg
	Nifedipine	LC-MS/MS (Waters)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	20 mg
38	Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.5 to 100 ng / mL	Heparin	80 mg
	O-Hydroxy Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.5 to 100 ng / mL	Heparin	-
	P-Hydroxy Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.1 to 12 ng / mL	Heparin	-
39	*5-Azacytidine	LC-MS/MS (Waters)	Human Plasma	5 to 3000 ng / mL	Heparin	100 mg
40	Azithromycin	LC-MS/MS (API 2000)	Human Plasma	30 to 3000 ng / mL	Heparin	2 g / 60 mL
Location : UK						
41	*Anagrelide	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K ₃ EDTA	0.5 mg
B						
Location : Canada						
42	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	-
43	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	-

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
44	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	-
45	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	-
46	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	-
47	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	-
48	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	-
49	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	-

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
50	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	-
51	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	-
52	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	-
Location : India						
53	Benazepril	LC-MS/MS (Waters)	Human Plasma	2 to 2500 ng / mL	K ₂ EDTA	40 mg
	Benazeprilat	LC-MS/MS (Waters)	Human Plasma	3 to 1500 ng / mL	K ₂ EDTA	-
54	Bicalutamide	LC-MS/MS (API 2000)	Human Plasma	10 to to 1000 ng / mL	Heparin	25 mg
55	Bicalutamide	LC-MS/MS (API 2000)	Human Plasma	50 to 2000 ng / mL	K ₂ EDTA / Heparin	50 mg



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
56	Bicalutamide	LC-MS/MS (API 2000)	Human Plasma	100 to 5000 ng / mL	K ₂ EDTA	150 mg
57	*Bicalutamide (R & S)	LC-MS/MS (Waters)	Human Plasma	5 to 1000 ng / mL	K ₂ EDTA	50 mg
58	Bisoprolol	LC-MS/MS (API 3200)	Human Plasma	0.5 to 80 ng / mL	K ₂ EDTA	10 mg
59	Bupropion	LC-MS/MS (Waters)	Human Plasma	0.5 to 250 ng / mL	K ₂ EDTA	150 mg
	Hydroxybupropion	LC-MS/MS (Waters)	Human Plasma	2 to 1000 ng / mL	K ₂ EDTA	-
C						
Location : Canada						
60	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	-
61	Carvedilol	LC-MS/MS (Thermo)	Human Plasma	1 to 128 ng / mL	K ₂ EDTA	40 mg
	O-Desmethylocarvedilol	LC-MS/MS (Thermo)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	-
	4'-Hydroxyphenylcarvedilol	LC-MS/MS (Thermo)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	-
	5'-Hydroxyphenylcarvedilol	LC-MS/MS (Thermo)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	-
62	Cefaclor	HPLC-UV	Human Plasma	0.2 to 25 µg / mL	Lithium heparin	500 mg
63	Cefixime	HPLC-UV	Human Plasma	0.1 to 13 µg / mL	Sodium heparin	400 mg
64	Cefuroxime	HPLC-UV	Human Plasma	0.2 to 27 µg / mL	K ₂ EDTA	500 mg
65	Celecoxib	HPLC - Fluorescence	Human Plasma	20 to 2560 ng / mL	Sodium heparin	200 mg
66	Celecoxib	LC-MS/MS (API 3000)	Human Plasma	20 to 2560 ng / mL	K ₂ EDTA	200 mg
67	Cephalexin	HPLC-UV	Human Plasma	0.2 to 25 µg / mL	K ₃ EDTA	-
68	Cetirizine	LC-MS/MS (API 3000)	Human Plasma	2 to 512 ng / mL	K ₂ EDTA	10 mg
69	Chlorpheniramine	LC-MS/MS (API 3000)	Human Plasma	0.1 to 51 ng / mL	K ₂ EDTA	8 mg / 5 mL
70	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

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
71	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
72	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	25 to 6400 ng / mL	K ₃ EDTA	-
73	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	20 to 2561 ng / mL	K ₃ EDTA	-
74	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	-
	Formylciprofloxacin	HPLC-UV	Human Urine	0.5 to 5 µg / mL	Not applicable	-
75	Citalopram	HPLC - Fluorescence	Human Plasma	0.25 to 32 ng / mL	Heparin	-
76	Citalopram	HPLC - Fluorescence	Human Plasma	0.25 to 64 ng / mL	Sodium heparin	-
77	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	-
78	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	-
79	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	-
80	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	-



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
81	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	-
82	Clarithromycin	LC-MS/MS (API 300 or 3000)	Human Plasma	20 to 5120 ng / mL	Sodium heparin	-
83	Clavulanic Acid	LC-MS/MS (API 300 or 3000)	Human Plasma	25 to 1600 ng / mL	Sodium heparin	125 mg
84	Clonazepam	LC-MS/MS (API 300 or 3000)	Human Plasma	0.1 to 51 ng / mL	Sodium heparin	-
85	Clonidine	LC-MS/MS (Thermo)	Human Plasma	0.03 to 2 ng / mL	K ₂ EDTA	0.3 mg
86	Cyproterone Acetate	LC-MS/MS (API 3000)	Human Plasma	0.3 to 25 ng / mL	Lithium heparin	-
	Ethinyl Estradiol	LC-MS/MS (API 3000)	Human Plasma	15 to 1280 pg / mL	Lithium heparin	-
Location : India						
87	Candesartan	LC-MS/MS (Waters)	Human Plasma	5 to 750 ng / mL	K ₂ EDTA	32 mg
88	Candesartan	LC-MS/MS (Waters)	Human Plasma	1 to 350 ng / mL	K ₂ EDTA	16 mg
89	Candesartan	LC-MS/MS (Waters)	Human Plasma	0.4 to 160 ng / mL	K ₂ EDTA	8 mg
90	Capecitabine	LC-MS/MS (API 4000)	Human Plasma	10 to 12000 ng / mL	K ₂ EDTA	500 mg (multiple dosing)
91	*Capecitabine	LC-MS/MS (Thermo)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	500 mg (multiple dosing)
	*5-fluorouracil	LC-MS/MS (Thermo)	Human Plasma	5 to 740 ng / mL	K ₂ EDTA	-
92	Capecitabine	LC-MS/MS (API 4000)	Human Plasma	10 to 8000 ng / mL	K ₂ EDTA	500 mg (multiple dosing)
	5-Deoxy-5-Fluorocytidine	LC-MS/MS (API 4000)	Human Plasma	10 to 8000 ng / mL	K ₂ EDTA	-
93	Carbamazepine	LC-MS/MS (API 2000)	Human Plasma	50 to 7000 ng / mL	K ₂ EDTA	300 / 400 mg
94	Carbamazepine	LC-MS/MS (API 2000)	Human Plasma	0.5 to 20 µg / mL	K ₂ EDTA	400 mg (steady state)
95	Carbamazepine	LC-MS/MS (API 2000)	Human Plasma	100 to 7000 ng / mL	K ₂ EDTA	300 / 400 mg
	C 10, 11- Epoxide Metabolite	LC-MS/MS (API 2000)	Human Plasma	5 to 500 ng /mL	K ₂ EDTA	-

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
96	*Carprofen	LC-MS/MS (API 3200)	Beagle Dog Plasma	0.5 to 100 µg / mL	K ₂ EDTA	100 mg
97	Carvedilol	LC-MS/MS (Waters)	Human Plasma	0.1 to 100 ng / mL	K ₂ EDTA	12.5 mg
98	*Carvedilol	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng / mL	K ₂ EDTA	12.5 mg
	*4-Hydroxy Phenyl Carvedilol	LC-MS/MS (Thermo)	Human Plasma	0.05 to 5 ng / mL	K ₂ EDTA	-
99	*Carvedilol	LC-MS/MS (Waters)	Human Plasma	0.1 to 50 ng / mL	K ₂ EDTA	40 mg
	*4-Hydroxy Phenyl Carvedilol	LC-MS/MS (Waters)	Human Plasma	0.05 to 5 ng / mL	K ₂ EDTA	-
100	Cefaclor	HPLC-UV	Human Plasma	0.2 to 25 µg / mL	Heparin	500 mg
101	Cefadroxil	HPLC-UV	Human Plasma	0.5 to 50 µg / mL	Heparin	500 mg
102	Cefdinir	HPLC-UV	Human Plasma	0.035 to 5 ng / mL	Heparin	250 mg
103	Cefixime	HPLC-UV	Human Plasma	0.05 to 8 µg / mL	K ₂ EDTA / Heparin	400 mg
104	Ceftazidime	HPLC-UV	Human Plasma	0.3 to 60 µg / mL	Heparin	1 g injection
105	Cefuroxime	HPLC-UV	Human Plasma	0.3 to 35 µg / mL	Heparin	750 mg injection
106	Cefuroxime	HPLC-UV	Human Plasma	0.075 to 13 µg / mL	Heparin	500 mg
107	Celecoxib	LC-MS/MS (Waters)	Human Plasma	10 to 2000 ng / mL	Heparin	200 mg
108	Celecoxib	LC-MS/MS (Waters)	Human Plasma	10 to 4000 ng / mL	Heparin	400 mg
109	Cephalexin	HPLC-UV	Human Plasma	0.3 to 40 µg / mL	Heparin	500 mg
110	Cetirizine	LC-MS/MS (API 3200)	Human Plasma	5 to 500 ng / mL	Heparin	10 mg
111	Chlorthalidone	HPLC-UV	Human Plasma	10 to 500 ng / mL	CPD	25 mg
112	Chlorthalidone	HPLC-UV	Human Plasma	50 to 3000 ng / mL	CPD	200 mg
113	Cilostazol	LC-MS/MS (API 2000)	Human Plasma	10 to 2000 ng / mL	K ₂ EDTA	100 mg
114	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	0.05 to 4 µg / mL	K ₂ EDTA	750 mg
115	Cimetidine	LC-MS/MS (Waters)	Human Plasma	5 to 1000 ng / mL	Heparin	200 mg
116	Cimetidine	LC-MS/MS (Waters)	Human Plasma	15 to 6000 ng / mL	Heparin	800 mg



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
117	Citalopram	HPLC - Fluorescence	Human Plasma	2 to 80 ng / mL	Heparin	40 mg
118	*Citalopram (R & S)	LC-MS/MS (Waters)	Human Plasma	0.25 to 25 ng / mL	Heparin	20 mg
	*S- desmethyl citalopram	LC-MS/MS (Waters)	Human Plasma	0.25 to 15 ng / mL	Heparin	-
119	S-citalopram	LC-MS/MS (API 3200)	Human Plasma	0.25 to 50 ng / mL	K ₂ EDTA	10 mg / 20 mg
	S- desmethyl citalopram	LC-MS/MS (API 3200)	Human Plasma	0.125 to 8 ng / mL	K ₂ EDTA	-
120	S-citalopram	LC-MS/MS (API 3200)	Human Plasma	0.25 to 50 ng / mL	Heparin	20 mg
121	S- desmethyl citalopram	LC-MS/MS (API 3200)	Human Plasma	0.125 to 25 ng / mL	Heparin	-
122	Clavulanic acid	HPLC-UV	Human Plasma	0.05 to 4 µg / mL	K ₂ EDTA / Heparin	125 mg
123	Clindamycin	LC-MS/MS (API 2000)	Human Plasma	50 to 8000 ng / mL	K ₂ EDTA	300 mg
124	Clopidogrel	LC-MS/MS (API 4000)	Human Plasma	20 to 4000 pg / mL	Heparin	75 mg
125	Clopidogrel	LC-MS/MS (API 2000)	Human Plasma	0.1 to 20 ng / mL	Heparin	300 mg
126	Clopidogrel Carboxy acid	LC-MS/MS (API 2000)	Human Plasma	30 to 5000 ng / mL	Heparin	75 mg
127	Clozapine	LC-MS/MS (Waters)	Human Plasma	2 to 750 ng / mL	K ₂ EDTA	200 mg multiple dose
Location : UK						
128	Capecitabine	LC-MS/MS (Thermo)	Human Plasma	10 to 12000 ng / mL	K ₂ EDTA	500 mg / m2
129	Clobazam	LC-MS/MS (Waters)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	10 mg
130	Captopril	LC-MS/MS (Waters)	Human Plasma	2 to 500 ng / mL	K ₂ EDTA	25 mg
131	S-citalopram	LC-MS/MS (Waters)	Human Plasma	0.25 to 50 ng / mL	K ₂ EDTA	20 mg
D						
Location : Canada						
132	Darunavir	LC-MS/MS (API 3000)	Human Plasma	10 to 6400 ng / mL	K ₂ EDTA	600 mg
133	Dextroamphetamine	LC-MS/MS (API 3000)	Human Plasma	0.2 to 51 ng / mL	K ₂ EDTA	30 mg
134	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	-



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
135	Didanosine	LC-MS/MS (API 3000)	Human Plasma	10 to 1280 ng / mL	Sodium heparin	-
136	Dienogest	LC-MS/MS (Thermo)	Human Plasma	3 to 120 ng / mL	K ₂ EDTA	2 mg
137	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	-
138	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	-
139	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	-
140	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	-
141	Diphenhydramine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	Sodium heparin	25 to 38 mg
142	Donepezil	LC-MS/MS (Thermo)	Human Plasma	0.25 to 64 ng / mL	K ₂ EDTA	10 mg
143	Doxazosin	HPLC - Fluorescence	Human Plasma	0.5 to 128 ng / mL	Heparin	-
144	Doxycycline	HPLC-UV	Human Plasma	80 to 5120 ng / mL	Heparin	-
145	Duloxetine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	K ₂ EDTA	60 mg
146	Duloxetine	LC-MS/MS (Thermo)	Human Plasma	0.5 to 128 ng / mL	K ₂ EDTA	60 mg
147	Dutasteride	LC-MS/MS (Thermo)	Human Plasma	60 to 5120 pg / mL	K ₂ EDTA	0.5 mg
Location : India						
148	17-Desacetyl Norgestimate	LC-MS/MS (API 4000)	Human Plasma	0.05 to 7.5 ng / mL	K ₂ EDTA	0.5 mg
149	Dexketoprofen	LC-MS/MS (API 2000)	Human Plasma	10 to 10000 ng / mL	K ₂ EDTA	25 mg / 50 mg
150	Deferasirox	LC-MS/MS (Waters)	Human Plasma	100 to 25000 ng / mL	K ₂ EDTA	500 mg

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
151	Diclofenac	LC-MS/MS (API 2000)	Human Plasma	5 to 2000 ng / mL	Heparin	50 mg
152	Diclofenac	LC-MS/MS (API 2000)	Human Plasma	10 to 5000 ng / mL	Heparin	75 mg / 100 mg
153	Diltiazem	LC-MS/MS (Waters)	Human Plasma	1 to 250 ng / mL	K ₂ EDTA	240 mg
	N-Des Methyl Diltiazem	LC-MS/MS (Waters)	Human Plasma	0.25 to 64 ng / mL	K ₂ EDTA	-
	Des Acetyl Diltiazem	LC-MS/MS (Waters)	Human Plasma	0.15 to 40 ng / mL	K ₂ EDTA	-
154	Diltiazem	LC-MS/MS (Waters)	Human Plasma	2.5 to 750 ng / mL	K ₂ EDTA	360 mg
	N-Des Methyl Diltiazem	LC-MS/MS (Waters)	Human Plasma	2 to 150 ng / mL	K ₂ EDTA	-
	Des Acetyl Diltiazem	LC-MS/MS (Waters)	Human Plasma	0.2 to 35 ng / mL	K ₂ EDTA	-
155	Dipyridamole	LC-MS/MS (API 2000)	Human Plasma	20 to 5000 ng / mL	K ₂ EDTA	200 mg
156	Docetaxel	LC-MS/MS (Waters)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	20 mg / 0.5 mL injection
157	*Docetaxel	LC-MS/MS (Waters)	Beagle Dog Plasma	10 to 4000 ng / mL	K ₂ EDTA	80mg / 2mL
158	Donepezil	LC-MS/MS (API 3200)	Human Plasma	0.5 to 40 ng / mL	K ₂ EDTA	10 mg
159	Doxazosin	LC-MS/MS (Waters)	Human Plasma	0.1 to 16 ng / mL	K ₂ EDTA	1 mg
160	*Doxorubicin (free)	LC-MS/MS (Thermo)	Human Plasma	10 to 2500 ng / mL	K ₂ EDTA	50mg / m2
162	*Doxorubicin (encapsulated)	LC-MS/MS (Thermo)	Human Plasma	300 to 32000 ng / mL	K ₂ EDTA	50mg / m2
163	Dulocetin	LC-MS/MS (API 3200)	Human Plasma	0.5 to 100 ng / mL	Heparin	60 mg
164	Dutasteride	LC-MS/MS (API 4000)	Human Plasma	0.05 to 7.5 ng / mL	K ₂ EDTA	0.5 mg
Location : UK						
165	Dexamethasone	LC-MS/MS (Waters)	Human Plasma	0.5 to 60 ng / mL	K ₃ EDTA	2 mg
166	Dipyridamole	LC-MS/MS (Waters)	Human Plasma	10 to 3000 ng / mL	K ₂ EDTA	200 mg
167	Donepezil	LC-MS/MS (Waters)	Human Plasma	0.2 to 30 ng / mL	K ₂ EDTA	10 mg
168	Drotaverine	LC-MS/MS (Thermo)	Human Plasma	1 to 600 ng / mL	K ₂ EDTA	80 mg



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
E						
Location : Canada						
169	Efavirenz	LC-MS (API 150)	Human Plasma	0.02 to 5 µg / mL	Sodium heparin	-
170	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	-
171	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	-
172	Eprosartan	LC-MS/MS (Thermo)	Human Plasma	5 to 3840 ng / mL	K ₂ EDTA	-
173	Etodolac	HPLC-UV	Human Plasma	0.25 to 32 µg / mL	Heparin	-
174	Ethinyl Estradiol	LC-MS/MS (Thermo)	Human Plasma	3 to 128 pg / mL	K ₂ EDTA	0.03 mg
175	Exemestane	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	25 mg
176	Exemestane	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K ₂ EDTA	25 mg
Location : India						
177	Ebastine	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	20 mg
	Carebastine	LC-MS/MS (API 3200)	Human Plasma	0.1 to 10 ng / mL	K ₂ EDTA	-
178	*Ethinyl estradiol	LC-MS/MS (Thermo)	Human Plasma	2 to 300 pg / mL	K ₂ EDTA	0.035mg / 0.07 mg
179	Etoricoxib	LC-MS/MS (Waters)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	120 mg
180	Endoxifen	LC-MS/MS (Thermo)	Human Plasma	25 to 10000 ng /mL	K ₂ EDTA	0.5mg to 4.0 mg (Multiple dosing)
181	Enalapril	LC-MS/MS (Thermo)	Human Plasma	0.5 to 400 ng /mL	K ₂ EDTA	10 mg
	Enalaprilat	LC-MS/MS (Thermo)	Human Plasma	0.5 to 200 ng /mL	K ₂ EDTA	-
182	Entacapone	LC-MS/MS (API 3200)	Human Plasma	25 to 2500 ng / mL	Heparin	200 mg
183	Eplerenone	LC-MS/MS (Waters)	Human Plasma	5 to 1505 ng / mL	Heparin	50 mg
184	Eprosartan	LC-MS/MS (API 2000)	Human Plasma	10 to 5000 ng / mL	Heparin	300 mg



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
185	Esomeprazole	LC-MS/MS (Waters)	Human Plasma	5 to 4000 ng / mL	K ₂ EDTA	40 mg
186	Exemestane	LC-MS/MS (Waters)	Human Plasma	0.2 to 50 ng / mL	Heparin	25 mg
187	*Ezetimibe (Total)	LC-MS/MS (Waters)	Human Plasma	0.5 to 250 ng / mL	Heparin	10 mg
188	Ezetimibe (Unconjugated)	LC-MS/MS (API 4000)	Human Plasma	0.075 to 15 ng / mL	Heparin	10 mg
F						
Location : Canada						
189	Famotidine	HPLC-UV	Human Plasma	5 to 640 ng / mL	Heparin	-
190	Felodipine	LC-MS/MS (Thermo)	Human Plasma	0.05 to 13 ng / mL	K ₂ EDTA	10 mg
191	Fenofibric acid	LC-MS/MS (API 3000)	Human Plasma	50 to 19200 ng / mL	K ₂ EDTA	135 mg
192	Fenofibric acid	HPLC-UV	Human Plasma	50 to 12800 ng / mL	K ₂ EDTA	-
193	Fenofibric acid	HPLC-UV	Human Plasma	10 to 5120 ng / mL	Sodium heparin	-
194	Fenofibric acid	HPLC-UV	Human Plasma	50 to 12800 ng / mL	Sodium heparin	-
195	Fentanyl	LC-MS/MS (API 3000)	Human Plasma	0.02 to 20 ng / mL	Sodium heparin	-
196	Fexofenadine	HPLC - Fluorescence	Human Plasma	5 to 640 ng / mL	Sodium heparin	-
197	Fluconazole	HPLC-UV	Human Plasma	0.1 to 13 µg / mL	Sodium heparin	150 mg
198	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	-
199	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	-
200	Flupenthixol	LC-MS/MS (API 3000)	Human Plasma	0.1 to 13 ng / mL	K ₂ EDTA	10 mg
201	Fluticasone Propionate	LC-MS/MS (Thermo)	Human Plasma	1 to 32 pg / mL	K ₂ EDTA	-
202	Fluticasone Propionate	LC-MS/MS (Thermo)	Human Plasma	5 to 640 pg / mL	K ₂ EDTA	-
203	Fluvastatin	LC-MS/MS (Thermo)	Human Plasma	2 to 512 ng / mL	K ₂ EDTA	-
204	Fluvoxamine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 64 ng / mL	Sodium heparin	-



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
Location : India						
205	Fenofibric acid	LC-MS/MS (API 3200)	Human Plasma	0.1 to 20 µg / mL	K ₂ EDTA	135 mg
206	Fenspiride	LC-MS/MS (Waters)	Human Plasma	2 to 700 ng /mL	K ₂ EDTA	80 mg
207	Finasteride	LC-MS/MS (Waters)	Human Plasma	0.2 to 80 ng / mL	Heparin	5 mg
208	Finasteride	LC-MS/MS (Waters)	Human Plasma	0.2 to 30 ng / mL	Heparin	1 mg
209	Flucloxacilin	HPLC-UV	Human Plasma	0.3 to 20 µg / mL	NA	500 mg
210	Fluconazole	LC-MS/MS (API 2000)	Human Plasma	50 to 10000 ng / mL	K ₂ EDTA	150 mg
211	Fluoxetine	LC-MS/MS (API 4000)	Human Plasma	0.25 to 25 ng /mL	K ₂ EDTA	20 mg
	Norfluoxetine	LC-MS/MS (API 4000)	Human Plasma	0.25 to 25 ng / mL	K ₂ EDTA	-
212	Fluoxetine	LC-MS/MS (API 3200)	Human Plasma	2.5 to 50 ng /mL	K ₂ EDTA	40 mg
213	Fluoxetine	LC-MS/MS (API 3200)	Human Plasma	2.5 to 100 ng /mL	K ₂ EDTA	60 mg
214	Fluoxetine	LC-MS/MS (API 4000)	Human Plasma	0.5 to 10 ng /mL	K ₂ EDTA	10 mg
215	Fluvastatin	LC-MS/MS (API 4000)	Human Plasma	0.5 to 500 ng / mL	Heparin	40 mg / 80 mg
216	*Fluvastatin (R & S)	LC-MS/MS (API 4000)	Human Plasma	0.5 to 200 ng / mL	Heparin	40 mg
217	*Fluvastatin (R & S)	LC-MS/MS (API 4000)	Human Plasma	1 to 400 ng / mL	Heparin	80 mg
218	Fulvestrant	LC-MS/MS (Waters)	Human Plasma	0.2 to 20 ng /mL	K ₂ EDTA	250 mg
219	Furosemide	LC-MS/MS (API 3200)	Human Plasma	5 to 2000 ng / mL	K ₂ EDTA	40 mg
220	Furosemide	LC-MS/MS (API 3200)	Human Plasma	5 to 4000 ng / mL	K ₂ EDTA	80 mg
G						
Location : Canada						
221	Gabapentin	LC-MS/MS (API 3000)	Human Plasma	75 to 9600 ng / mL	K ₂ EDTA	600 mg
222	Galantamine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 63 ng / mL	K ₂ EDTA	8 mg
223	Ganciclovir	HPLC - Fluorescence	Human Plasma	30 to 1920 ng / mL	K ₃ EDTA	-
224	Gatifloxacin	HPLC - Fluorescence	Human Plasma	25 to 6400 ng / mL	K ₃ EDTA	-
225	Glimepiride	LC-MS/MS (API 300 or 3000)	Human Plasma	2 to 1024 ng / mL	K ₃ EDTA	4 mg

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
226	Glipizide	HPLC-UV	Human Plasma	10 to 640 ng / mL	K ₂ EDTA	-
227	Glipizide	LC-MS (API 150)	Human Plasma	10 to 640 ng / mL	K ₂ EDTA	-
228	Glipizide	LC-MS/MS (API 300 or 3000)	Human Plasma	10 to 1280 ng / mL	K ₂ EDTA	-
229	Glipizide	LC-MS/MS (API 3000)	Human Plasma	2.5 to 640 ng / mL	K ₂ EDTA	10 mg
230	Glyburide	LC-MS (API 150)	Human Plasma	2 to 128 ng / mL	K ₃ EDTA	-
231	Griseofulvin	LC-MS/MS (API 300 or 3000)	Human Plasma	15 to 3840 ng / mL	K ₃ EDTA	-
232	Granisetron	LC-MS/MS (Thermo)	Human Plasma	0.02 to 10 ng / mL	K ₂ EDTA	-
233	Guaifenesin	LC-MS	Human Plasma	10 to 1280 ng / mL	K ₂ EDTA	-
Location : India						
234	Gabapentin	LC-MS/MS (API 2000)	Human Plasma	50 to 7500 ng / mL	K ₂ EDTA	400 / 800 mg
235	Gabapentin	LC-MS/MS (API 2000)	Human Plasma	150 to 10000 ng / mL	K ₂ EDTA	1200 / 800 mg
236	Galantamine	LC-MS/MS (Waters)	Human Plasma	0.5 to 75 ng / mL	K ₂ EDTA	8 mg
237	Gemcitabine	LC-MS/MS (API 3200)	Human Plasma	0.1 to 35 µg / mL	K ₂ EDTA	1000 mg / m ²
238	Gliclazide	LC-MS/MS (API 3200)	Human Plasma	0.1 to 10 µg / mL	K ₂ EDTA	80 mg
239	Gliclazide	LC-MS/MS (API 3200)	Human Plasma	5 to 2000 ng / mL	K ₂ EDTA	30 mg
240	Glimepiride	LC-MS/MS (API 2000)	Human Plasma	3 to 600 ng / mL	Heparin	4 mg
H						
Location : Canada						
241	Hydrocodone	LC-MS/MS (Thermo)	Human Plasma	0.4 to 51 ng / mL	K ₂ EDTA	7.5 mg / 5 mL
242	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	-
243	Hydrochlorthiazide	LC-MS (API 150)	Human Plasma	5 to 1280 ng / mL	K ₂ EDTA	12.5 mg to 25 mg
244	Hydromorphone	LC-MS/MS (Thermo)	Human Plasma	0.05 to 6 ng / mL	K ₂ EDTA	16 mg

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
Location : India						
245	Hydrochlorothiazide	LC-MS/MS (API 4000)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	25 mg / 12.5 mg
246	Hydrochlorothiazide	LC-MS/MS (API 4000)	Human Plasma	2 to 400 ng / mL	K ₂ EDTA	50 mg
247	Hydrochlorothiazide	LC-MS/MS (API 3200)	Human Plasma	2 to 600 ng / mL	K ₂ EDTA	50 mg / 25 mg
248	*Hydrocortisone	LC-MS/MS (Waters)	Charcoal stripped Human plasma	2 to 500 ng / mL	K ₂ EDTA	20 mg
249	Hydroxychloroquine	LC-MS/MS (API 3200)	Human Blood	5 to 500 ng / mL	K ₂ EDTA	200 mg
I						
Location : Canada						
250	Ibuprofen	HPLC-UV	Human Plasma	0.4 to 512 µg / mL	Sodium heparin	200 mg
251	Indapamide	HPLC-UV	Human Whole Blood	10 to 1280 ng / mL	Heparin	-
252	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	-
253	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	-
Location : India						
254	*Ibandronate	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng / mL	Heparin	50 mg
255	*Ibandronate	LC-MS/MS (API 4000)	Human Plasma	0.75 to 300 ng / mL	Heparin	150 mg
256	*Ibuprofen (R & S)	LC-MS/MS (Waters)	Human Plasma	0.1 to 25 µg/ mL	Heparin	200 mg
257	Ibuprofen	HPLC-UV	Human Plasma	1 to 100 µg / mL	Heparin	800 mg
258	Ibuprofen	LC-MS/MS (API 3200)	Human Plasma	0.1 to 40 µg / mL	Heparin	200 mg
	Ibuprofen	LC-MS/MS (API 3200)	Human Plasma	0.1 to 90 µg / mL	K ₂ EDTA / Heparin	400 mg
259	Imatinib	LC-MS/MS (Waters)	Human Plasma	5 to 3500 ng / mL	K ₂ EDTA	400 mg
260	Imatinib	LC-MS/MS (Waters)	Human Plasma	5 to 3500 ng / mL	K ₂ EDTA	400 mg
	N-Desmethyl Imatinib	LC-MS/MS (Waters)	Human Plasma	2 to 500 ng / mL	K ₂ EDTA	-



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
261	Imatinib	LC-MS/MS (Waters)	Human Plasma	2 to 800 ng / mL	K ₂ EDTA	100 mg
	N-Desmethyl Imatinib	LC-MS/MS (Waters)	Human Plasma	0.5 to 125 ng / mL	K ₂ EDTA	-
262	Irbesartan	LC-MS/MS (API 2000)	Human Plasma	50 to 10000 ng / mL	Heparin	300 mg
263	Itraconazole	LC-MS/MS (Waters)	Human Plasma	1 to 250 ng / mL	Heparin	100 mg
	OH-Itraconazole	LC-MS/MS (Waters)	Human Plasma	1 to 250 ng / mL	Heparin	-
264	*Isotretinoin	LC-MS/MS (API 4000)	Human Plasma	10 to 1500 ng / mL	K ₂ EDTA	40 mg
Location : UK						
265	Imatinib	LC-MS/MS (Waters)	Human Plasma	5 to 3000 ng / mL	Lithium Heparin	400 mg
	N-Desmethyl Imatinib	LC-MS/MS (Waters)	Human Plasma	2 to 400 ng / mL	Lithium Heparin	-
K						
Location : India						
266	3-Ketodesogestrel	LC-MS/MS (Thermo)	Human Plasma	40 to 5000 pg / mL	K ₂ EDTA	0.3 mg
267	Ketoconazole	HPLC - Fluorescence	Human Plasma	0.05 to 5 µg / mL	CPD	200 mg
L						
Location : Canada						
268	Lamotrigine	LC-MS/MS (Thermo)	Human Plasma	10 to 1280 ng / mL	Sodium heparin	50 mg
269	Lansoprazole	LC-MS/MS (API 300 or 3000)	Human Plasma	2 to 4096 ng / mL	Sodium heparin	30 mg
270	Leuprolide	LC-MS/MS (Thermo)	Human Plasma	0.025 to 13 ng / mL	K ₂ EDTA	-
271	Letrozole	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	K ₂ EDTA	2.5 mg
272	Levetiracetam	LC-MS (API 150)	Human Plasma	0.5 to 24 µg / mL	K ₃ EDTA	-
273	Levetiracetam	LC-MS/MS (API 3000)	Human Plasma	0.375 to 48 µg / mL	K ₂ EDTA	1 gm
274	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	0.25 to 64 ng / mL	Lithium heparin	-
275	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	0.25 to 128 ng / mL	Heparin	-
276	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	1 to 256 ng / mL	Lithium heparin	-



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
277	Loperamide	LC-MS/MS (Thermo)	Human Plasma	0.05 to 6 ng / mL	K ₂ EDTA	2 mg
278	Loratadine	LC-MS/MS (API 3000)	Human Plasma	0.1 to 51 ng / mL	Heparin	-
	Descarboethoxy-loratadine	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	-
279	Loratadine	LC-MS/MS (API 300 or 3000)	Human Plasma	0.1 to 51 ng / mL	Heparin	-
	Descarboethoxy-loratadine	LC-MS/MS (API 300 or 3000)	Human Plasma	0.1 to 25 ng / mL	Heparin	-
280	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	-
281	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	-
Location : India						
282	Lamivudine	LC-MS/MS (API 2000)	Human Plasma	25 to 3000 ng / mL	Heparin	150 mg
283	Lacidipine	LC-MS/MS (API 4000)	Human Plasma	0.025 to 8 ng / mL	K ₂ EDTA	4 mg
284	Lansoprazole	LC-MS/MS (API 3200)	Human Plasma	10 to 2000 ng / mL	Heparin	30 mg
285	Lapatinib	LC-MS/MS (API 2000)	Human Plasma	15 to 6000 ng / mL	K ₂ EDTA	1250 mg
286	Lercanidipine	LC-MS/MS (API 3200)	Human Plasma	0.025 to 12 ng / mL	Heparin	20 mg
287	*Lercanidipine (R & S)	LC-MS/MS (Waters)	Human Plasma	0.5 to 12 ng / mL	Heparin	20 mg
288	Letrozole	LC-MS/MS (API 3200)	Human Plasma	1 to 80 ng / mL	Heparin	2.5 mg
289	Levetiracetam	LC-MS/MS (API 3200)	Human Plasma	0.25 to 40 µg / mL	Heparin	1000 mg
290	Levocetirizine	LC-MS/MS (Waters)	Human Plasma	0.5 to 500 ng / mL	K ₂ EDTA	5 mg
291	Levodopa	LC-MS/MS (Thermo)	Human Plasma	15 to 2000 ng / mL	K ₂ EDTA	200 mg
	Carbidopa	LC-MS/MS (Thermo)	Human Plasma	1.5 to 250 ng / mL	K ₂ EDTA	50 mg
292	Levodopa	LC-MS/MS (API 4000)	Human Plasma	15 to 2000 ng / mL	K ₂ EDTA	200 mg
	Carbidopa	LC-MS/MS (API 4000)	Human Plasma	1.5 to 250 ng / mL	K ₂ EDTA	50 mg

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
293	Levofloxacin	HPLC-UV	Human Plasma	0.1 to 12 µg / mL	Heparin	500 mg
294	Levonorgestrel	LC-MS/MS (API 4000)	Human Plasma	0.2 to 50 ng / mL	K ₂ EDTA	1.5 mg
295	Levonorgestrel	LC-MS/MS (API 4000)	Human Plasma	0.05 to 15 ng / mL	K ₂ EDTA	0.15 mg
296	Lisinopril	LC-MS/MS (Waters)	Human Plasma	2 to 400 ng / mL	K ₂ EDTA	40 mg
297	Lisinopril	LC-MS/MS (Thermo)	Human Plasma	5 to 100 ng / mL	K ₂ EDTA	10 mg
298	Lofepamine	LC-MS/MS (API 4000)	Human Plasma	0.1 to 40 ng / mL	Heparin	75 mg
	Desipramine	LC-MS/MS (API 4000)	Human Plasma	0.2 to 80 ng / mL	Heparin	-
299	Lornoxicam	LC-MS/MS (Waters)	Human Plasma	10 to 2500 ng / mL	K ₂ EDTA	8 mg
300	Losartan	LC-MS/MS (API 2000)	Human Plasma	5 to 1200 ng / mL	K ₂ EDTA / Heparin	-
	Losartan carboxylic acid	LC-MS/MS (API 2000)	Human Plasma	5 to 1200 ng / mL	K ₂ EDTA / Heparin	-
301	Losartan	LC-MS/MS (API 2000)	Human Plasma	10 to 1500 ng / mL	K ₂ EDTA	100 mg
	Losartan carboxylic acid	LC-MS/MS (API 2000)	Human Plasma	25 to 2000 ng / mL	K ₂ EDTA	-
302	Losartan	LC-MS/MS (API 3200)	Human Plasma	2 to 800 ng / mL	K ₂ EDTA	50 mg
Location : UK						
303	Loratidine	LC-MS/MS (Waters)	Human Plasma	0.1 to 15 ng / mL	K ₂ EDTA	10 mg
M						
Location : Canada						
304	Meclizine	LC-MS/MS (API 3000)	Human Plasma	1.01 to 256 ng / mL	K ₂ EDTA	25 mg
305	Mefanamic Acid	HPLC-UV	Human Plasma	50 to 6400 ng / mL	K ₂ EDTA	-
306	Mefanamic Acid	LC-MS/MS (API 3000)	Human Plasma	50 to 12800 ng / mL	K ₂ EDTA	250 mg
307	Medroxyprogesterone Acetate	LC-MS/MS (API 3000)	Human Plasma	0.02 to 10 ng / mL	Sodium heparin	-
308	Medroxyprogesterone Acetate	LC-MS/MS (Thermo)	Human Plasma	0.02 to 10 ng / mL	Sodium heparin	150 mg
309	Megestrol Acetate	LC-MS/MS (Thermo)	Human Plasma	0.3 to 153.6 ng/mL	K ₂ EDTA	40 mg / mL



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
310	Meloxicam	HPLC-UV	Human Plasma or Dog Plasma	0.03 to 1.92 µg / mL	K ₂ EDTA	-
311	Meloxicam	LC-MS/MS (API 3000)	Human Urine	1 to 128 ng / mL	Not applicable	-
312	Meloxicam	LC-MS/MS (API 3000)	Human Plasma	10 to 2560 ng / mL	K ₂ EDTA	15 mg
313	Metaxalone	HPLC-UV	Human Plasma	1 to 256 µg / mL	Heparin	-
314	Metaxalone	HPLC-UV	Human Plasma	1 to 256 µg / mL	K ₃ EDTA	-
315	Metaxalone	LC-MS (API 150)	Human Plasma	5 to 2560 ng / mL	K ₃ EDTA	-
316	Methylprednisolone	LC-MS/MS (API 3000)	Human Plasma	0.4 to 51 ng / mL	Sodium fluoride potassium oxalate	-
317	Metoprolol	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	Sodium heparin	200 mg
318	Metformin	LC-MS/MS (API 3000)	Human Plasma	10.01 to 2002 ng / mL	K ₂ EDTA	1000 mg
319	Metformin	LC-MS (API 150)	Human Urine	2 to 256 µg / mL	Not applicable	1000 mg
320	Minocycline	LC-MS/MS (Thermo)	Human Plasma	4 to 3500 ng / mL	K ₂ EDTA	45 mg to 135 mg
321	Mirtazapine	LC-MS/MS (API 300 or 3000)	Human Plasma	0.5 to 128 ng / mL	Sodium heparin	-
322	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	-
323	Mycophenolic Acid	HPLC-UV	Human Plasma	0.1 to 51 µg / mL	K ₂ EDTA	-
324	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	-
325	6-Methoxy-2-Naphthaleneacetic Acid	HPLC - Fluorescence	Human Plasma	0.5 to 32 µg / mL	Heparin	-

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
Location : India						
326	Meloxicam	LC-MS/MS (Waters)	Human Plasma	20 to 3000 ng / mL	K ₂ EDTA	15 mg
327	Memantine	LC-MS/MS (API 4000)	Human Plasma	0.5 to 50 ng / mL	K ₂ EDTA	10 mg
328	*6-Mercaptopurine	LC-MS/MS (Waters)	Human Plasma	0.75 to 500 ng / mL	K ₂ EDTA	100 mg
329	Mesalamine	LC-MS/MS (Waters)	Human Plasma	5 to 700 ng / mL	K ₂ EDTA	1000 mg
330	Metformin	LC-MS/MS (Waters)	Human Plasma	5 to 1600 ng / mL	Sodium heparin	500 mg
331	Methotrexate	LC-MS/MS (Waters)	Human Plasma	3 to 1500 ng / mL	K ₂ EDTA	2.5 mg multiple dose
332	Metoprolol	LC-MS/MS (API 4000)	Human Plasma	0.3 to 50 ng /mL	Heparin	23.75 mg
333	Metoprolol	LC-MS/MS (API 3200)	Human Plasma	0.2 to 100 ng /mL	Heparin	47.5 / 50 mg
334	Metoprolol	LC-MS/MS (API 3200)	Human Plasma	0.75 to 300 ng /mL	Heparin	100 / 200 mg
335	Mifepristone	LC-MS/MS (Thermo)	Human Plasma	25 to 5000 ng / mL	Heparin	200 mg
	N-desmethyl Mifepristone	LC-MS/MS (Thermo)	Human Plasma	50 to 5000 ng / mL	Heparin	-
	N, N-didesmethyl mifepristone	LC-MS/MS (Thermo)	Human Plasma	10 to 2000 ng / mL	Heparin	-
	Hydroxy mifepristone	LC-MS/MS (Thermo)	Human Plasma	10 to 1000 ng / mL	Heparin	-
336	Minocycline	LC-MS/MS (Waters)	Human Plasma	10 to 3000 ng / mL	Heparin	90 mg
337	Minocycline	LC-MS/MS (Waters)	Human Plasma	25 to 3500 ng /mL	K ₂ EDTA	135 mg
338	*Misoprostol Acid	LC-MS/MS (API 4000)	Human Plasma	0.015 to 1 ng / mL	K ₂ EDTA	0.2 mg
339	Moexipril	LC-MS/MS (API 4000)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	15 mg
340	Montelukast	LC-MS/MS (API 3200)	Human Plasma	5 to 1000 ng / mL	Heparin	10 mg
341	Montelukast	LC-MS/MS (API 3200)	Human Plasma	5 to 500 ng / mL	Heparin	5 mg
342	Moxifloxacin	LC-MS/MS (API 3200)	Human Plasma	30 to 6200 ng / mL	Heparin	400 mg
343	Mycophenolate mofetil	LC-MS/MS (Waters)	Human Plasma	0.1 to 10 ng / mL	K ₂ EDTA	250 mg
	Mycophenolic acid	LC-MS/MS (Waters)	Human Plasma	25 to 15000 ng / mL	K ₂ EDTA	-



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
344	Mycophenolate mofetil	LC-MS/MS (Waters)	Human Plasma	0.1 to 10 ng / mL	K ₂ EDTA	500 mg
	Mycophenolic acid	LC-MS/MS (Waters)	Human Plasma	75 to 25000 ng / mL	K ₂ EDTA	-
345	Mycophenolic acid	LC-MS/MS (Waters)	Human Plasma	25 to 7500 ng / mL	K ₂ EDTA	360 mg
Location : UK						
346	Memantine	LC-MS/MS (Waters)	Human Plasma	0.5 to 50 ng / mL	K ₂ EDTA	10mg/20mg
347	Montelukast	LC-MS/MS (Waters)	Human Plasma	2.5 to 1000 ng / mL	Heparin	10 mg
N						
Location : Canada						
348	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	-
349	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	-
350	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	-
351	Naproxen	HPLC - Fluorescence	Human Plasma	0.5 to 128 µg / mL	Heparin	-
352	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	-
353	Nifedipine	LC-MS (API 150)	Human Plasma	0.5 to 200 ng / mL	K ₃ EDTA	60 mg
354	Nifedipine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 200 ng / mL	K ₂ EDTA	60 mg
355	Nitrofurantoin	HPLC-UV	Human Plasma	20 to 2560 ng / mL	Sodium heparin	-



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
356	Nizatidine	HPLC-UV	Human Plasma	10 to 5120 ng / mL	Heparin	300 mg
	Desmethylnizatidine	HPLC-UV	Human Plasma	5 to 2560 ng / mL	Heparin	-
357	Norfloracin	HPLC - Fluorescence	Human Plasma	20 to 2560 ng / mL	K ₃ EDTA	-
358	Nortriptyline	HPLC-UV	Human Plasma	1 to 64 ng / mL	K ₃ EDTA	-
359	Norethindrone	LC-MS/MS (Thermo)	Human Plasma	0.05 to 15 ng / mL	K ₂ EDTA	0.35 mg
Location : India						
360	Naltrexone	LC-MS/MS (Waters)	Human Plasma	0.1 to 20 ng /mL	Heparin	50 mg
	6 beta Naltrexol	LC-MS/MS (Waters)	Human Plasma	0.5 to 200 ng / mL	Heparin	-
361	Naltrexone	LC-MS/MS (Waters)	Human Plasma	0.5 to 50 ng /mL	Heparin	100 mg
	6 beta Naltrexol	LC-MS/MS (Waters)	Human Plasma	5 to 500 ng / mL	Heparin	-
362	Naratriptan	LC-MS/MS (API 3200)	Human Plasma	0.1 to 20 ng / mL	Heparin	2.5 mg
363	Naproxen	LC-MS/MS (API 2000)	Human Plasma	500 to 50000 ng /mL	K ₂ EDTA	200 mg
364	Naproxen	LC-MS/MS (Waters)	Human Plasma	0.5 to 120 µg / mL	K ₂ EDTA	500 mg
365	Naproxen	LC-MS/MS (Waters)	Human Plasma	0.5 to 120 µg / mL	K ₂ EDTA	500 mg
	Esomeprazole	LC-MS/MS (Waters)	Human Plasma	1 to 1500 ng / mL	K ₂ EDTA	20 mg
366	Naproxen	LC-MS/MS (Waters)	Human Plasma	0.5 to 120 µg / mL	K ₂ EDTA	500 mg
	Esomeprazole	LC-MS/MS (Waters)	Human Plasma	1 to 350 ng / mL	K ₂ EDTA	20 mg
367	Nateglinide	LC-MS/MS (API 3200)	Human Plasma	0.1 to 10 µg / mL	K ₂ EDTA	120 mg
368	Nebivolol	LC-MS/MS (API 4000)	Human Plasma	0.075 to 20 ng / mL	Heparin	20 mg
369	Nevirapine	HPLC-UV	Human Plasma	100 to 4000 ng / mL	CPD	200 mg
370	Nicorandil	LC-MS/MS (API 2000)	Human Plasma	3 to 700 ng / mL	K ₂ EDTA	20 mg
371	*S-Nicotine	LC-MS/MS (Thermo)	Human Plasma	2 to 50 ng / mL	K ₂ EDTA	52.5 mg
372	Nifedipine	LC-MS/MS (API 2000)	Human Plasma	2.5 to 250 ng / mL	K ₂ EDTA	60 mg / 90 mg
373	Nizatidine	HPLC-UV	Human Plasma	20 to 4000 ng / mL	K ₂ EDTA / Heparin	300 mg



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	LAMBDA Dose
374	19-Norethindrone	LC-MS/MS (API 4000)	Human Plasma	0.25 to 50 ng / mL	K ₂ EDTA	5 mg
375	19-Norethindrone	LC-MS/MS (Thermo)	Human Plasma	0.075 to 15 ng / mL	K ₂ EDTA	1 mg
Location : UK						
376	Naproxen	LC-MS/MS (Waters)	Human Plasma	0.5 to 120 µg / mL	K ₂ EDTA	500 mg
O						
Location : Canada						
377	Olanzapine	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	10 mg
378	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
379	Omeprazole	LC-MS/MS (API 3000)	Human Plasma	1 to 1024 ng / mL	Sodium heparin	-
380	Ondansetron	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	Lithium heparin	8 mg
381	Oxcarbazepine	LC-MS/MS (Thermo)	Human Plasma	0.05 to 51.2 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	-
382	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	-
383	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	-
384	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	-
385	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	-

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
386	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	-
387	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
388	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
Location : India						
389	*Orlistate (Fat analysis)	FT-IR	Human Fecal / Human Food	0.25 to 10 g %	NA	60 mg / 120 mg
390	Oglimilast (GRC 3886)	LC-MS/MS (API 4000)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	200 mg
	Oglimilast N-Oxide (GRC 3886 N-Oxide)	LC-MS/MS (API 4000)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	-
391	Olanzapine	LC-MS/MS (Waters)	Human Plasma	0.25 to 25 ng / mL	Heparin	5 mg
392	Olmesartan	LC-MS/MS (API 3200)	Human Plasma	2.5 to 2250 ng / mL	K ₂ EDTA	40 mg
393	Olmesartan	LC-MS/MS (API 3200)	Human Plasma	2.5 to 1500 ng / mL	K ₂ EDTA	20 mg
394	Omeprazole	LC-MS/MS (Waters)	Human Plasma	5 to 1500 ng / mL	K ₂ EDTA	20 mg
395	Omeprazole	LC-MS/MS (Waters)	Human Plasma	20 to 3000 ng / mL	K ₂ EDTA	40 mg
396	Ondansetron	LC-MS/MS (Waters)	Human Plasma	0.5 to 50 ng / mL	Heparin	8 mg
397	O-Desmethyl Venlafaxine	LC-MS/MS (Waters)	Human Plasma	1 to 350 ng / mL	K ₂ EDTA	50 mg
398	O-Desmethyl Venlafaxine	LC-MS/MS (Waters)	Human Plasma	1 to 600 ng / mL	K ₂ EDTA	100 mg
399	Oxcarbazepine	LC-MS/MS (API 3200)	Human Plasma	20 to 4000 ng / mL	K ₂ EDTA	600 mg
	10,11-dihydro-10-hydroxycarbamazepine	LC-MS/MS (API 3200)	Human Plasma	50 to 16000 ng / mL	K ₂ EDTA	-
395	Oxybutynin	LC-MS/MS (Waters)	Human Plasma	0.07 to 15 ng / mL	K ₂ EDTA	5 mg
	N-Desethyl Oxybutynin	LC-MS/MS (Waters)	Human Plasma	0.38 to 75 ng / mL	K ₂ EDTA	-
396	Oxybutynin	LC-MS/MS (Waters)	Human Plasma	80 to 46000 pg / mL	K ₂ EDTA	15 mg
	N-Desethyl Oxybutynin	LC-MS/MS (Waters)	Human Plasma	0.38 to 220 ng / mL	K ₂ EDTA	-



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
P						
Location : Canada						
397	Pantoprazole	LC-MS/MS (API 3000)	Human Plasma	20 to 5120 ng / mL	K ₂ EDTA	40 mg
398	Paroxetine	HPLC—Fluorescence	Human Plasma	0.2 to 50 ng / mL	Sodium heparin	-
399	Paroxetine	HPLC - Fluorescence	Human Plasma	1.6 to 200 ng / mL	Sodium heparin	-
400	Pentoxifylline	HPLC-UV	Human Plasma	5 to 240 ng / mL	K ₃ EDTA	-
401	Pergolide	LC-MS/MS (API 3000)	Human Plasma	0.2 to 1.28 ng / mL	Heparin	-
402	Phenylephrine (Total)	LC-MS/MS (Thermo)	Human Plasma	4 to 512 ng / mL	K ₂ EDTA	10 mg
403	Phenytoin	HPLC-UV	Human Plasma	0.04 to 2.56 µg / mL	K ₃ EDTA	-
404	Pramipexole	LC-MS/MS (Thermo)	Human Plasma	50 to 3200 pg / mL	K ₂ EDTA	-
405	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	-
406	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	-
407	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	-
408	Primidone	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 µg / mL	K ₂ EDTA	-
	Phenobarbital	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 µg / mL	K ₂ EDTA	-
	Phenylethylmalonamide	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 µg / mL	K ₂ EDTA	-
Location : India						
409	Paclitaxel (Total)	LC-MS/MS (Waters)	Human Plasma	10 to 4500 ng / mL	Heparin	175 mg
410	Paclitaxel (Total)	LC-MS/MS (Waters)	Human Whole Blood	50 to 30000 ng / mL	Heparin	220 mg / m2 (IV)
411	*Free paclitaxel	LC-MS/MS (Waters)	Human Plasma	5 to 2000 ng / mL	Heparin	220 mg / m2 (IV)
412	Paliperidone	LC-MS/MS (API 3200)	Human Plasma	0.5 to 40 ng / mL	K ₂ EDTA	6 mg



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
413	Paracetamol	LC-MS/MS (API 2000)	Human Plasma	50 to 10000 ng / mL	K ₂ EDTA	300 mg
414	Pantoprazole	LC-MS/MS (API 3200)	Human Plasma	2 to 4000 ng /mL	Heparin	40 mg
415	Penicillin V	HPLC-UV	Human Plasma	0.1 to 4 µg / mL	Heparin	250 mg
416	Phenyl butyrate	LC-MS/MS (API 3200)	Human Plasma	0.1 to 50 µg / mL	K ₂ EDTA	500 mg
417	Pioglitazone	LC-MS/MS (API 2000)	Human Plasma	10 to 2500 ng / mL	Heparin	45 mg
418	Pioglitazone	LC-MS/MS (API 2000)	Human Plasma	15 to 2500 ng / mL	Heparin	45 mg
	Pioglitazone hydroxy metabolite	LC-MS/MS (API 2000)	Human Plasma	10 to 1500 ng / mL	Heparin	-
419	Metformin	LC-MS/MS (Waters)	Human Plasma	25 to 3000 ng / mL	Heparin	850 mg
	Pioglitazone	LC-MS/MS (Waters)	Human Plasma	5 to 1000 ng / mL	Heparin	20 mg
	Keto Pioglitazone	LC-MS/MS (Waters)	Human Plasma	1 to 200 ng / mL	Heparin	-
	Hydroxy Pioglitazone	LC-MS/MS (Waters)	Human Plasma	1 to 200 ng / mL	Heparin	-
420	Piroxicam	LC-MS/MS (Waters)	Human Plasma	20 to 4000 ng / mL	K ₂ EDTA	20 mg
421	Pramipexole	LC-MS/MS (Waters)	Human Plasma	25 to 1000 pg / mL	K ₂ EDTA	0.25 mg
422	Pravastatin	LC-MS/MS (Waters)	Human Plasma	2 to 600 ng / mL	K ₂ EDTA	80 mg
	Pravastatin metabolite	LC-MS/MS (Waters)	Human Plasma	2 to 400 ng / mL	K ₂ EDTA	-
423	Pravastatin	LC-MS/MS (Waters)	Human Plasma	2 to 600 ng / mL	K ₃ EDTA	80 mg
	Pravastatin metabolite	LC-MS/MS (Waters)	Human Plasma	2 to 400 ng / mL	K ₃ EDTA	-
424	Pregabalin	LC-MS/MS (Waters)	Human Plasma	50 to 15000 ng / mL	K ₂ EDTA	300 mg
425	Pregabalin	LC-MS/MS (Waters)	Human Plasma	20 to 2500 ng / mL	K ₂ EDTA	50 mg
426	Prochlorperazine	LC-MS/MS (API 4000)	Human Plasma	5 to 300 pg / mL	Heparin	5 mg
427	Propafenone	LC-MS/MS (Waters)	Human Plasma	0.5 to 500 ng / mL	K ₂ EDTA	300 mg
	5-Hydroxy Propafenone	LC-MS/MS (Waters)	Human Plasma	0.5 to 400 ng / mL	K ₂ EDTA	-
428	S-Propranolol (Total)	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng /mL	K ₂ EDTA	40 mg



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
429	Pseudoephedrine	LC-MS/MS (API 3200)	Human Plasma	2 to 400 ng / mL	Heparin	30 mg
430	2-Pyridylacetic acid	LC-MS/MS (Waters)	Human Plasma	5 to 800 ng / mL	K ₂ EDTA	16 mg
Location : UK						
431	Pioglitazone	LC-MS/MS (Waters)	Human Plasma	10 to 2500 ng / mL	Heparin	45 mg
Q						
Location : Canada						
432	Quetiapine	LC-MS/MS (Thermo)	Human Plasma	1 to 1024 ng / mL	K ₂ EDTA	200 mg
Location : India						
433	Quetiapine	LC-MS/MS (Waters)	Human Plasma	0.5 to 200 ng / mL	Heparin	25 mg
	N-desalkyl Quetiapine	LC-MS/MS (Waters)	Human Plasma	0.08 to 20 ng / mL	Heparin	-
434	Quetiapine	LC-MS/MS (API 2000)	Human Plasma	2 to 400 ng / mL	K ₂ EDTA	50 mg
	N-desalkyl Quetiapine	LC-MS/MS (API 2000)	Human Plasma	0.25 to 50 ng / mL	K ₂ EDTA	-
435	Quetiapine	LC-MS/MS (API 2000)	Human Plasma	2 to 400 ng / mL	Heparin	50 mg
436	Quetiapine	LC-MS/MS (API 2000)	Human Plasma	2 to 400 ng / mL	K ₂ EDTA	50 mg
437	Quetiapine	LC-MS/MS (API 2000)	Human Plasma	2 to 1500 ng / mL	Heparin	200 mg
	N-Des Alkylated Quetiapine	LC-MS/MS (API 2000)	Human Plasma	0.5 to 150 ng / mL	Heparin	-
438	Quetiapine	LC-MS/MS (API 2000)	Human Plasma	2 to 1200 ng / mL	Heparin	200 mg
439	Quetiapine	LC-MS/MS (API 2000)	Human Plasma	20 to 2000 ng / mL	K ₂ EDTA	300 /400 mg
	N-Des Alkylated Quetiapine	LC-MS/MS (API 2000)	Human Plasma	2 to 500 ng / mL	K ₂ EDTA	-
440	Quinine	LC-MS/MS (Waters)	Human Plasma	25 to 5000 ng /mL	K ₂ EDTA	300 mg
Location : UK						
441	Quinapril	LC-MS/MS (Waters)	Human Plasma	1 to 500 ng / mL	K ₃ EDTA	10 mg
R						
Location : Canada						
442	Rabeprazole	LC-MS/MS (API 3000)	Human Plasma	2 to 1024 ng / mL	K ₂ EDTA	20 mg
443	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	-



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
444	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	-
445	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	-
446	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	-
447	Ranitidine	LC-MS/MS (Thermo)	Human Plasma	15 to 1920 ng / mL	K ₂ EDTA	300 mg
448	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	-
449	Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	35 mg
450	Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.2 to 128 ng / mL	K ₂ EDTA	75 mg
451	Rosiglitazone	LC-MS/MS (API 3000)	Human Plasma	2 to 1024 ng / mL	Sodium heparin	8 mg
452	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.1 to 25 ng / mL	K ₂ EDTA	20 mg
Location : India						
453	Rabeprazole	LC-MS/MS (API 3200)	Human Plasma	5 to 1000 ng / mL	K ₃ EDTA/ Heparin	20 mg
454	Rabeprazole	LC-MS/MS (API 4000)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	10 / 20 mg
455	Rabeprazole	LC-MS/MS (API 3200)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	10 / 20 mg
456	*Raloxifene	LC-MS/MS (Thermo)	Human Plasma	20 to 1000 pg / mL	K ₂ EDTA	60 mg
	*Raloxifene 4-glucuronide	LC-MS/MS (Thermo)	Human Plasma	0.6 to 400 ng / mL	K ₂ EDTA	-
	*Raloxifene 6-glucuronide	LC-MS/MS (Thermo)	Human Plasma	0.35 to 100 ng / mL	K ₂ EDTA	-
457	*Ramipril	LC-MS/MS (API 4000)	Human Plasma	0.2 to 50 ng / mL	Heparin	10 mg
	*Ramiprilat	LC-MS/MS (API 4000)	Human Plasma	0.5 to 50 ng / mL	Heparin	-



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
458	Ranolazine	LC-MS/MS (Waters)	Human Plasma	5 to 2500 ng / mL	K ₂ EDTA	1000 mg
459	Ranitidine	LC-MS/MS (API 2000)	Human Plasma	10 to 2000 ng / mL	Heparin	150 / 300 mg
460	Ranitidine	HPLC-UV	Human Plasma	25 to 1500 ng / mL	K ₂ EDTA / Heparin	300 mg
461	Ranitidine	LC-MS/MS (API 2000)	Human Plasma	5 to 600 ng / mL	K ₂ EDTA / Heparin	75 mg
462	Rasagiline	LC-MS/MS (Waters)	Human Plasma	40 to 20000 pg / mL	K ₂ EDTA	1 mg
463	Repaglinide	LC-MS/MS (API 3200)	Human Plasma	0.25 to 30 ng / mL	K ₂ EDTA	2 mg
464	*Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.1 to 80 ng / mL	Heparin	35 mg
465	*Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.5 to 250 ng / mL	Heparin	150 mg
466	Risperidone	LC-MS/MS (API 4000)	Human Plasma	0.1 to 15 ng / mL	Heparin	1 mg
	9- hydroxy Risperidone	LC-MS/MS (API 4000)	Human Plasma	0.1 to 15 ng / mL	Heparin	-
467	Ropinirole	LC-MS/MS (API 3200)	Human Plasma	0.05 to 10 ng / mL	K ₂ EDTA	2 mg
468	Ropinirole	LC-MS/MS (API 4000)	Human Plasma	10 to 3000 pg / mL	K ₂ EDTA	0.25 mg
469	Rosiglitazone	LC-MS/MS (API 2000)	Human Plasma	15 to 900 ng / mL	K ₂ EDTA	8 mg
470	Rosiglitazone	LC-MS/MS (API 2000)	Human Plasma	5 to 500 ng / mL	K ₂ EDTA	4 mg
471	Rosuvastatin	LC-MS/MS (Waters)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	10 mg
472	Rosuvastatin	LC-MS/MS (Waters)	Human Plasma	0.5 to 80 ng / mL	K ₂ EDTA	40 mg
Location : UK						
473	Rosuvastatin	LC-MS/MS (Waters)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	40 mg
S						
Location : Canada						
474	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	-
475	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	-

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
476	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	-
477	Sirolimus	LC-MS/MS (API 3000)	Human Whole Blood	0.4 to 51 ng / mL	K ₂ EDTA	2 mg
478	Sitagliptin	LC-MS/MS (Thermo)	Human Plasma	1 to 512 ng / mL	K ₂ EDTA	100 mg
479	Sotalol	HPLC - Fluorescence	Human Plasma	10 to 2560 ng / mL	heparin	-
480	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
481	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	-
482	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
483	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	-
484	Sumatriptan	LC-MS/MS (API 300 or 3000)	Human Plasma or Pig Plasma	0.5 to 128 ng / mL	K ₃ EDTA	-
Location : India						
487	Secnidazole	LC-MS/MS (API 3200)	Human Plasma	0.2 to 40 µg / mL	K ₂ EDTA	1 gm
488	Sertraline	LC-MS/MS (API 2000)	Human Plasma	1 to 100 ng / mL	Heparin	100 mg
489	Sertaraline	LC-MS/MS (Waters)	Human Plasma	0.5 to 40 ng / mL	Heparin	50 mg

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
490	Sibutramine	LC-MS/MS (Waters)	Human Plasma	100 to 20000 pg / mL	Heparin / K ₂ EDTA	15 mg
	Desmethyl Sibutramine	LC-MS/MS (Waters)	Human Plasma	50 to 10000 pg / mL	Heparin / K ₂ EDTA	-
	Didesmethyl Sibutramine	LC-MS/MS (Waters)	Human Plasma	75 to 15000 pg / mL	Heparin / K ₂ EDTA	-
491	Sildenafil	LC-MS/MS (API 3200)	Human Plasma	4 to 2000 ng / mL	K ₂ EDTA	100 mg
	Desmethyl Sildenafil	LC-MS/MS (API 3200)	Human Plasma	2 to 700 ng / mL	K ₂ EDTA	-
492	Simvastatin	LC-MS/MS (API 4000)	Human Plasma	0.3 to 75 ng / mL	Heparin	80 mg
	Simvastatin acid	LC-MS/MS (API 4000)	Human Plasma	0.3 to 50 ng / mL	Heparin	-
493	Simvastatin	LC-MS/MS (API 4000)	Human Plasma	0.1 to 75 ng / mL	Heparin	40 mg
	Simvastatin acid	LC-MS/MS (API 4000)	Human Plasma	0.1 to 50 ng / mL	Heparin	-
494	Solifenacin	LC-MS/MS (API 3200)	Human Plasma	0.5 to 25 ng / mL	K ₂ EDTA	10 mg
495	Spiroinolactone	LC-MS/MS (API 3200)	Human Plasma	0.5 to 300 ng / mL	K ₂ EDTA	100 mg
	Canrenone	LC-MS/MS (API 3200)	Human Plasma	1 to 200 ng / mL	K ₂ EDTA	-
496	Spiroinolactone	LC-MS/MS (API 4000)	Human Plasma	0.1 to 75 ng / mL	K ₂ EDTA	25 mg
497	Sumatriptan	LC-MS/MS (API 2000)	Human Plasma	1 to 100 ng / mL	Heparin	100 mg
Location : UK						
498	Simvastatin	LC-MS/MS (Waters)	Human Plasma	0.2 to 75 ng / mL	Heparin	80 mg
T						
Location : Canada						
499	Tacrolimus	LC-MS/MS (Thermo)	Human Whole Blood	0.2 to 25 ng / mL	K ₂ EDTA	0.5 to 4 mg
500	Tamoxifen	LC-MS/MS (API 3000)	Human Plasma	0.25 to 64 ng / mL	K ₂ EDTA	20 mg



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
501	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	-
502	Tamsulosin	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K ₂ EDTA	-
503	Temazepam	LC-MS/MS (API 3000)	Human Plasma	4 to 1024 ng / mL	K ₂ EDTA	30 mg
504	Terazosin	HPLC - Fluorescence	Human Plasma	0.5 to 64 ng / mL	Heparin	-
505	Terbinafine	HPLC-UV	Human Plasma	0.01 to 2.5 µg / mL	K ₃ EDTA	250 mg
506	Tetrabenazine	LC-MS/MS (Thermo)	Human Plasma	0.015 to 3.84 ng / mL	K ₂ EDTA	50 mg
	α-Dihydrotetraabenazine	LC-MS/MS (Thermo)	Human Plasma	0.625 to 160 ng / mL	K ₂ EDTA	-
	β-Dihydrotetraabenazine	LC-MS/MS (Thermo)	Human Plasma	0.469 to 120 ng / mL	K ₂ EDTA	-
507	Theophylline	HPLC-UV	Human Plasma	0.15 to 19 µg / mL	K ₃ EDTA	-
508	Ticlopidine	HPLC-UV	Human Plasma	10 to 1280 ng / mL	K ₃ EDTA	-
509	Topiramate	LC-MS/MS (API 3000)	Human Plasma or Dog Plasma	5 to 2560 ng / mL	Sodium heparin	50 mg
510	Topiramate	LC-MS/MS (API 3000)	Human Plasma	50 to 12800 ng / mL	Sodium heparin	200 mg
511	Torsemide	LC-MS/MS (API 300 or 3000)	Human Plasma	10 to 10240 ng / mL	K ₃ EDTA	-
512	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	-
513	Tramadol	LC-MS/MS (API 3000)	Human Plasma or Mouse Plasma	2 to 1024 ng / mL	K ₂ EDTA	89 mg
	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	-



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
514	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	-
515	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	-
516	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	-
517	Trazodone	HPLC - Fluorescence	Human Plasma	10 to 2560 ng / mL	Heparin	-
518	Triamcinolone acetonide	LC-MS/MS (Thermo)	Human Plasma	0.05 to 6.4 ng / mL	K ₂ EDTA	-
519	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	-
Location : India						
520	Tacrolimus	LC-MS/MS (Thermo)	Human Whole Blood	40 to 12000 pg / mL	K ₂ EDTA	0.5 mg
521	Tacrolimus	LC-MS/MS (Waters)	Human Whole Blood	0.25 to 50 ng / mL	K ₂ EDTA	5 mg
522	Tadalafil	LC-MS/MS (Waters)	Human Plasma	4 to 600 ng / mL	K ₂ EDTA	20 mg
523	Tamsulosin	LC-MS/MS (Waters)	Human Plasma	0.1 to 50 ng / mL	K ₂ EDTA	0.4 mg
524	Tamoxifen	LC-MS/MS (API 3200)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	20 mg
	Endoxifen	LC-MS/MS (API 3200)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	20 mg
525	Telmisartan	LC-MS/MS (Waters)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	80 mg
526	*Teicoplanin components (A2-1, A2-2, A2-3, A2-4, and A2-5)	LC-MS/MS (Waters)	Human Plasma	2 to 250 µg/ mL	K ₂ EDTA	400 mg injection
527	*Teicoplanin component (A 3)	LC-MS/MS (Waters)	Human Plasma	2 to 250 µg/ mL	K ₂ EDTA	400 mg injection



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
528	*Temozolomide	LC-MS/MS (Waters)	Human Plasma	100 to 20000 ng / mL	Heparin	250 mg
529	*Temozolomide Metabolite (MTIC)	LC-MS/MS (Waters)	Human Plasma	3 to 600 ng / mL	Heparin	250 mg
530	Tenoxicam	HPLC-UV	Human Plasma	0.05 to 5 µg / mL	K ₂ EDTA / Heparin	20 mg
531	Terbinafine	LC-MS/MS (API 2000)	Human Plasma	5 to 3000 ng / mL	K ₂ EDTA	250 mg
532	Thalidomide (R & S)	LC-MS/MS (Waters)	Human Plasma	2 to 600 ng / mL	K ₂ EDTA	50 mg
533	Tolterodine	LC-MS/MS (Waters)	Human Plasma	50 to 13000 pg / mL	Heparin	4 mg
	5-Hydroxymethyl tolterodine	LC-MS/MS (Waters)	Human Plasma	20 to 10000 pg / mL	Heparin	-
534	Tolterodine	LC-MS/MS (Waters)	Human Plasma	20 to 5000 pg / mL	Heparin	2 mg
	5-hydroxymethyl Tolterodine	LC-MS/MS (Waters)	Human Plasma	10 to 5000 pg / mL	Heparin	-
535	Topiramate	LC-MS/MS (API 3200)	Human Plasma	50 to 4000 ng / mL	Heparin	50 / 100 mg
536	Topiramate	LC-MS/MS (API 3200)	Human Plasma	10 to 600 ng / mL	Heparin	25 mg
537	Topiramate	LC-MS/MS (API 2000)	Human Plasma	100 to 7000 ng / mL	Heparin	200 mg
538	Tramadol	LC-MS/MS (Waters)	Human Plasma	2.5 to 500 ng / mL	Heparin	50 mg
	O-desmethyl Tramadol	LC-MS/MS (Waters)	Human Plasma	1 to 100 ng / mL	Heparin	-
539	Trandolapril	LC-MS/MS (Waters)	Human Plasma	0.1 to 30 ng / mL	Heparin	-
	Trandolaprilat	LC-MS/MS (Waters)	Human Plasma	0.2 to 31 ng / mL	Heparin	-
540	Trifluoperazine	LC-MS/MS (API 2000)	Human Plasma	0.05 to 10 ng / mL	CPD	-
541	Trimebutine	LC-MS/MS (API 3200)	Human Plasma	0.1 to 30 ng / mL	K ₂ EDTA	96 mg
	N-Desmethyl Trimebutine	LC-MS/MS (API 3200)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	-
542	Trimetazidine	LC-MS/MS (Waters)	Human Plasma	0.4 to 150 ng / mL	Heparin	35 mg
543	Trimethoprim	HPLC-UV	Human Plasma	0.025 to 2.5 µg / mL	CPD	50 mg

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
U						
Location : Canada						
544	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	-
Location : India						
545	Ulipristal acetate	LC-MS/MS (API 4000)	Human Plasma	0.1 to 250 ng / mL	K ₂ EDTA	30 mg
	11-demethylated Ulipristal acetate	LC-MS/MS (API 4000)	Human Plasma	0.1 to 100 ng / mL	K ₂ EDTA	-
546	*Ulipristal acetate	LC-MS/MS (API 4000)	Human Milk	0.02 to 10 ng / mL	NA	30 mg
	* 11-demethylated Ulipristal acetate	LC-MS/MS (API 4000)	Human Milk	0.02 to 10 ng / mL	NA	-
V						
Location : Canada						
547	Valsartan	LC-MS/MS (API 3000)	Human Plasma	20 to 10240 ng / mL	K ₂ EDTA	160 mg
548	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	-
549	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	-
550	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	-
	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	-



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
551	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	-
552	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	-
553	Vigabatrin	LC-MS (API 150)	Human Plasma	0.2 to 25 µg / mL	K ₂ EDTA	-
Location : India						
554	Valacyclovir	LC-MS/MS (API 2000)	Human Plasma	3 to 300 ng / mL	Heparin	500 mg
	Acyclovir	LC-MS/MS (API 2000)	Human Plasma	40 to 4000 ng / mL	Heparin	-
555	Valacyclovir	LC-MS/MS (API 2000)	Human Plasma	3 to 600 ng / mL	Heparin	1000 mg
	Acyclovir	LC-MS/MS (API 2000)	Human Plasma	40 to 8000 ng / mL	Heparin	-
556	Valganciclovir	LC-MS/MS (API 2000)	Human Plasma	4 to 500 ng / mL	K ₂ EDTA	450 mg
	Ganciclovir	LC-MS/MS (API 2000)	Human Plasma	50 to 10000 ng / mL	K ₂ EDTA	-
557	Valproic acid	HPLC-UV	Human Plasma	1 to 110 µg / mL	Heparin	500 mg
558	Valproic acid	LC-MS/MS (Waters)	Human Plasma	1 to 80 µg / mL	Heparin	500 mg
559	Valsartan	LC-MS/MS (API 3200)	Human Plasma	20 to 2000 ng / mL	Heparin	40 mg
560	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 8000 ng / mL	Heparin	160 mg
561	Valsartan	LC-MS/MS (API 3200)	Human Plasma	100 to 20000 ng / mL	Heparin	320 mg
562	Venlafaxine	LC-MS/MS (Waters)	Human Plasma	0.5 to 300 ng / mL	Heparin	150 mg
	ODM-Venlafaxine	LC-MS/MS (Waters)	Human Plasma	1 to 300 ng / mL	Heparin	-
563	Venlafaxine	LC-MS/MS (Thermo)	Human Plasma	0.5 to 200 ng / mL	Heparin	75 mg
	O-Desmethylvenlafaxine	LC-MS/MS (Thermo)	Human Plasma	1 to 250 ng / mL	Heparin	-
564	Verapamil	HPLC - Fluorescence	Human Plasma	2 to 250 ng / mL	Heparin	-
	Norverapamil	HPLC - Fluorescence	Human Plasma	2 to 250 ng / mL	Heparin	-



Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose
565	Verapamil	LC-MS/MS (Waters)	Human Plasma	4 to 300 ng / mL	Heparin	240 mg
	Norverapamil	LC-MS/MS (Waters)	Human Plasma	2 to 177 ng / mL	Heparin	-
566	Verapamil	LC-MS/MS (Waters)	Human Plasma	4 to 300 ng / mL	Heparin	240 mg
	Norverapamil	LC-MS/MS (Waters)	Human Plasma	2 to 177 ng / mL	Heparin	-
	Trandolapril	LC-MS/MS (Waters)	Human Plasma	0.05 to 15 ng / mL	Heparin	4 mg
	Trandolaprilat	LC-MS/MS (Waters)	Human Plasma	0.4 to 31 ng / mL	Heparin	-
567	Vardenafil	LC-MS/MS (Waters)	Human Plasma	0.2 to 40 ng / mL	Heparin	20 mg
568	*Vitamin D3	LC-MS/MS (Thermo)	Human Plasma	0.25 to 25 ng / mL	K ₂ EDTA	5600 IU / 2600 IU
569	Voriconazole	LC-MS/MS (API 2000)	Human Plasma	5 to 3000 ng / mL	K ₂ EDTA	200 mg
W						
Location : Canada						
570	Warfarin (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	-
Location : India						
571	Warfarin	HPLC - Fluorescence	Human Plasma	10 to 750 ng / mL	Heparin	5 mg
572	Warfarin	HPLC - Fluorescence	Human Plasma	20 to 2500 ng / mL	Heparin	10 mg
Z						
Location : Canada						
573	Ziprasidone	LC-MS/MS (API 3000)	Human Plasma	0.125 to 64 ng / mL	K ₂ EDTA	5 mg
574	Ziprasidone	LC-MS/MS (API 3000)	Human Plasma	0.5 to 256 ng / mL	K ₂ EDTA	40 mg
575	Zolpidem	HPLC - Fluorescence	Human Plasma	1 to 512 ng / mL	K ₃ EDTA	10 mg
Location : India						
576	Ziprasidone	HPLC - Fluorescence	Human Plasma	1.5 to 200 ng / mL	NA	40 mg
577	Zolmitriptan	LC-MS/MS (Waters)	Human Plasma	0.2 to 30 ng / mL	Heparin	5 mg
	N-desmethyl zolmitriptan	LC-MS/MS (Waters)	Human Plasma	0.2 to 20 ng / mL	Heparin	-
578	Zolpidem	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	10 mg
579	Zonisamide	HPLC-UV	Human Serum	25 to 3000 ng / mL	NA	100 mg

*: Premium method



NEW CHEMICAL ENTITIES

(FULL NAME WITHHELD DUE TO CONFIDENTIALITY)					
Sr. No.	Drug Name	Instrument	Matrix	LLOQ	Anticoagulant
Location : Canada					
1	New Chemical Entity - 1a	LC-MS/MS (Thermo)	Rat Plasma or Dog Plasma	0.5 ng / mL	Lithium heparin
	New Chemical Entity - 1b	LC-MS/MS (Thermo)	Rat Plasma or Dog Plasma	0.8 ng / mL	Lithium heparin
2	New Chemical Entity - 2	LC-MS/MS (Thermo)	Human Plasma	0.8 ng / mL	Lithium heparin
3	New Chemical Entity - 3a	LC-MS/MS (Thermo)	Dog cerebrospinal fluid	0.5 ng / mL	Lithium heparin
	New Chemical Entity - 3b	LC-MS/MS (Thermo)	Dog cerebrospinal fluid	0.8 ng / mL	Not applicable
4	New Chemical Entity - 4 (±)	HPLC - Fluorescence	Human Plasma	5 ng / mL	K ₂ EDTA
	New Chemical Entity - 4a (±)	HPLC - Fluorescence	Human Plasma	5 ng / mL	K ₂ EDTA
	New Chemical Entity - 4b (±)	HPLC - Fluorescence	Human Plasma	5 ng / mL	K ₂ EDTA
5	New Chemical Entity - 5	LC-MS/MS (Thermo)	Human Plasma	2.94 ng/mL	K ₂ EDTA
6	New Chemical Entity - 6	LC-MS/MS (Thermo)	Human Urine	1.96 ng/mL	Not applicable

NEW CHEMICAL ENTITIES

Location : India					
7	New Chemical Entity-01	LC-MS/MS (API 4000)	Human Plasma	5 ng / mL	K ₂ EDTA
8	New Chemical Entity-02	LC-MS/MS (API 4000)	Human Plasma	0.5 ng / mL	K ₂ EDTA
	N-Oxide of New Chemical Entity-02	LC-MS/MS (API 4000)	Human Plasma	0.5 ng / mL	K ₂ EDTA
9	New Chemical Entity-03	LC-MS/MS (API 4000)	Human Plasma	5 ng / mL	K ₂ EDTA
10	New Chemical Entity-04	LC-MS/MS (API 4000)	Human Plasma	10 ng / mL	K ₂ EDTA
11	New Chemical Entity-05	LC-MS/MS (API 4000)	Human Plasma	1 ng / mL	K ₂ EDTA & K ₃ EDTA
12	New Chemical Entity-06	LC-MS/MS (Waters)	Monkey Plasma	50 ng / mL	K ₂ EDTA
13	New Chemical Entity-07a	LC-MS/MS (API 4000)	Human Plasma	1 ng / mL	K ₂ EDTA
	New Chemical Entity-07b	LC-MS/MS (API 4000)	Human Plasma	10 ng / mL	K ₂ EDTA



PART B

**LIST OF
DEVELOPED METHODS
READY FOR VALIDATION**



DEVELOPED METHOD READY FOR VALIDATION

Sr. No.	Drug Name
Location: Canada	
1	6-Methoxy-2-Naphthaleneacetic Acid
2	Almotriptan
3	Beclomethasone Dipropionate & Beclomethasone 17-Monopropionate Dipropionate
4	Carbergolide
5	Cefpodoxime
6	Dronedarone
7	Fentanyl
8	Griseofulvin
9	hydralazine and hydralazine pyruvic acid hydrazone (HPH)
10	Ibuprofen & methocarbamol
11	Methylphenidate
12	Mycophenolic Acid & Mycophenolic Acid D-Glucuronide
13	Solifenacin
Location: India	
14	Candesartan + HCTZ
15	Salmeterol
16	Tacrolimus
17	Hydrocortisone
18	Tolterodine
Location: UK	
19	Montelukast



PART C
LIST OF METHODS
UNDER DEVELOPMENT



METHODS UNDER DEVELOPMENT

Sr. No.	Drug Name	Strength
Location: Canada		
1	Buprenorphine	NA
2	Codeine	NA
3	Levofloxacin	NA
4	Mesalamine	NA
5	Nebivolol	NA
6	Urapidil	NA
7	Vardenafil	NA
Location: India		
8	Fluticasone Propionate	500µg
9	Nicotine	4mg
10	Fesoterodine & 5-hydroxy methyl tolterodine	8mg
11	Pilocarpine/Pilocarpic acid	5mg
12	Vitamin D3/Calcitriol	50000 IU
13	Risedronate	75mg
14	Hydralazine	50mg
15	Naltrexone	50mg
16	R & S Oxybutynin	5mg
17	Rifaximin	200mg/550 mg
18	Bosentan	125mg
Location: UK		
19	Triamcinolone acetonide	40mg/mL



NEW MODALITY OF TESTING

IMMUNOGENICITY TESTING CAPABILITIES	
1	First Laboratory in India to provide Immunogenicity testing services for biosimilars.
2	Method development, Method Validation and Patient sample testing for Human recombinant Erythropoietin.
3	Screening Antibody assays (ELISA based)
4	Neutralizing Antibody Assay (Cell based assay)

**NEW METHODS VALIDATED AT
CLINICAL LABORATORY
(FOR PHARMACOKINETIC ANALYSIS)**

Sr. No.	Drug Name	Strength
1	Potassium Chloride	10 & 20 mEq (750 mg & 1500 mg)
2	Enoxaparin	100 mg / mL
3	Bivaluridin	250 mg / vial
4	Peg G-CSF	NA
5	EPO	NA
6	Interferon alpha 2b	NA

METHODS VALIDATED FOR PD MARKERS

Sr. No	PD Markers
1	CD 34
2	3 Beta-D- Glucan
3	ACTH (Adrenocorticotropic hormone)
4	Apolipoprotein B
5	BAP (Bone specific Alkalinephosphatase) by ELISA
6	Basophil Activation Test
7	Beta 2 Microglobulin.
8	C-peptide
9	Erythropoetin
10	Factor Xa & Factor IIa
11	Free T3 & Free T4
12	Fructosamine
13	Fructosamine
14	glucagon
15	Granulocyte Colony-Stimulating Factor (G-CSF)
16	hs-CRP
17	Human Serum Adiponectin-HMW
18	Human Serum Adiponectin-Total
19	Human Serum/Plasma Glucagon
20	IL-6 (Interleukin-6)
21	Insulin
22	Lipoprotein (a)
23	NEFA/FFA (Non Esterified Fatty Acids/Free Fatty Acid)
24	Reticulocyte Count
25	Sputum Eosinophil & Neutrophil
26	TNF- α
27	TRAP(Tartrate Resistant Alkaline phosphatase)
28	Urine Alpha-GST (ELISA)



METHODS UNDER DEVELOPMENT: PK MAKERS

Sr. No	Analytes
1	Pentosan polysulphate
2	Iron sucrose



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