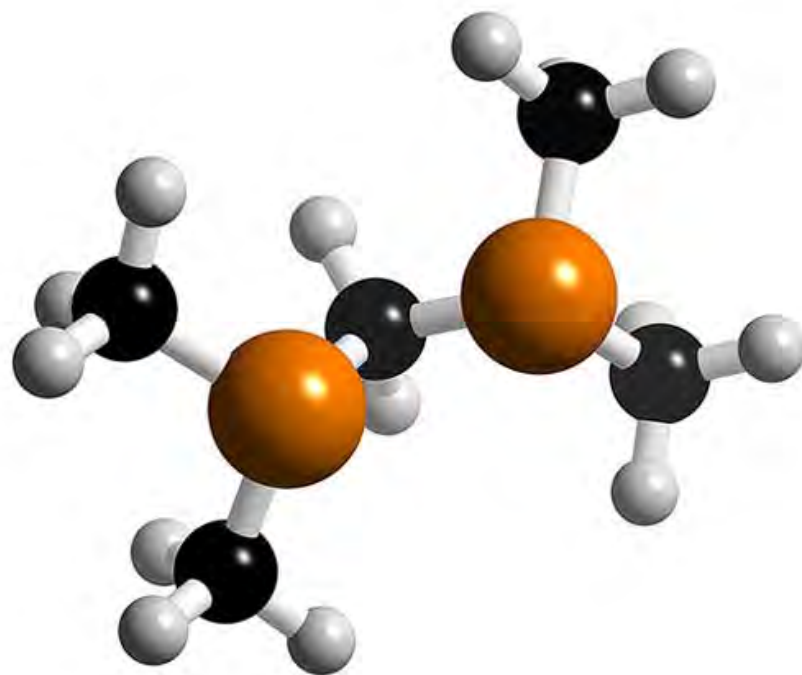




HANDBOOK OF BIOANALYTICAL METHODS at LAMBDA THERAPEUTIC RESEARCH



Edition: January 2018

Bio-analytical

Lambda is one of the most experienced Bioanalytical service providers in India. We provide these services from two different strategic locations - India and Canada. Our highly qualified and experienced scientists work 24x7 and have an accumulated global catalogue of more than **1000** validated methods. Our vast expertise and in-depth understanding of the stringent regulatory demands ensures each project is accomplished in rapid turn-around times.

- ✚ qualified (Ph. D, M. Pharm, M.Sc, B.Pharm) and experience team comprising of **150+** research professionals
- ✚ GLP certified Bioanalytical labs in **India** and **Canada**
- ✚ Capabilities of analyzing **90,000+** samples per month on **50+** LC-MS/MS
- ✚ **7-8** new methods in development/month with expertise in handling different matrices such as plasma, serum, urine, whole blood, milk, food, bone, stool and animal tissues

Infrastructure

- ✚ Separate well equipped extraction labs and chromatography labs.
- ✚ Separate lab for photosensitive drug and environment sensitive molecules like Nicotine.
- ✚ Separate room for storage of standards / balance room.
- ✚ Low temperature storage (-22 ± 5 °C, -65 ± 10 °C)
- ✚ Biolyte (Chromatographic Data review and data printing software)
- ✚ Different types of **50+** LC-MS/MS systems (including API 6500 and Waters Xevo TQ-S)

Regulatory Track Record

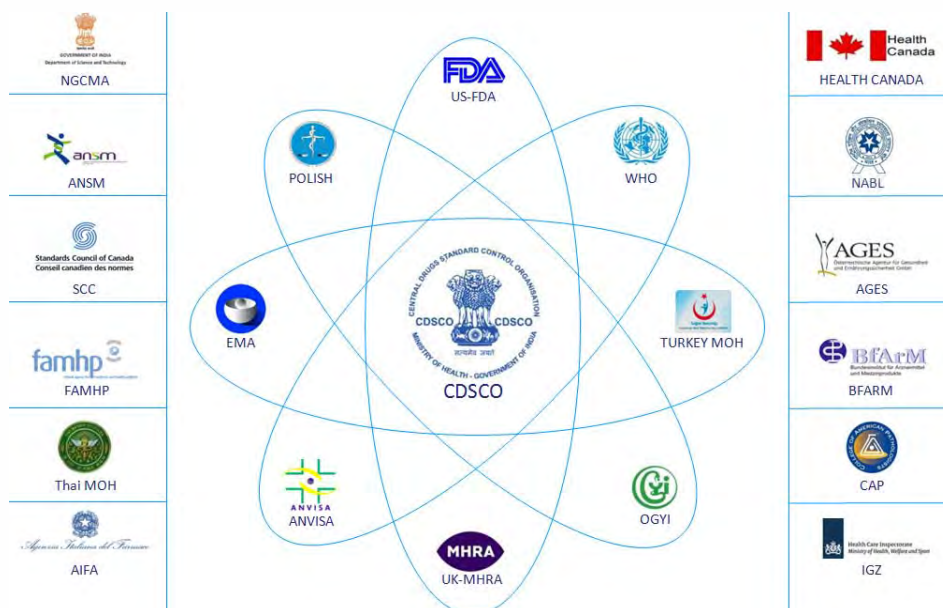


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Lambda Therapeutic Research

LARGE MOLECULES / THERAPEUTIC PROTEINS / BIOSIMILARS

Sr. No.	Drug Name	Instrument/Method of Analysis	Matrix	Range	Anticoagulant	Dose
Location : India						
1	Bevacizumab	Sandwich ELISA	Human Serum	1.042 to 130 µg / mL	NA	7.5 mg / kg I.V
2	Darbepoetin	Sandwich ELISA	Human Serum	0.075 to 2.6 ng / mL	NA	0.45µg/kg
3	Erythropoietin	Sandwich ELISA	Human Serum	5.005 to 200 mIU / mL	NA	50IU/kg
4	Etanercept	Sandwich ELISA	Human Serum	39.063 to 5000 ng / mL	NA	50mg
5	Glucagon	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	0.2 to 10 ng / mL	K ₂ EDTA	1 mg/vial
6	Rituximab	Competitive ELISA	Human Plasma	50 to 1502 ng / mL	K ₂ EDTA	100mg/10mL
7	rHu-FSH	Electrochemiluminescence Immunoassay	Human Serum	0.156 to 20 mIU/mL	NA	300 IU
8	*Teriparatide	LC-MS/MS (6500 QTRAP)	Human Serum	5 to 500 pg / mL	NA	NA
9	*Teriparatide	Sandwich ELISA	Human Serum	6.25 to 400 pg / mL	NA	NA
10	Trastuzumab	LC-MS/MS (6500 QTRAP)	Human Serum	5 to 500 µg / mL	NA	8 mg / Kg
11	*Trastuzumab	Competitive ELISA	Human Serum	9.7 to 625 ng / mL	NA	NA
12	*Bevacizumab	LC-MS/MS (6500 QTRAP)	Human Serum	5 to 500 ug / mL	NA	NA
13	*PEG G-CSF	Sandwich ELISA	Human Serum	0.150 to 10 ng / mL	NA	6mg /0.6 mL SC
14	Denosumab	Sandwich ELISA	Human Serum	160 to 10000 ng / mL	NA	60 mg

*: Developed method available

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
A							
Location : Canada							
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	Amphotericin B	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 5000 ng / mL	K ₂ EDTA	200 to 400 mg
	14	Alendronate	LC-MS/MS (API 3000)	Human Urine	1 to 256 ng / mL	Not applicable	-
	15	Anastrozole	LC-MS/MS (API 3000)	Human Plasma	0.1 to 26 ng / mL	K ₂ EDTA	1 mg
	16	Atomoxetine	LC-MS/MS (Thermo)	Human Plasma	0.500 to 500 ng/mL	K ₂ EDTA	10 mg
	17	Atomoxetine	LC-MS/MS (Thermo)	Human Plasma	2.5 to 2500 ng/mL	K ₂ EDTA	60 mg
	18	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	-	
19	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	-	

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method		
CANADA	20	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	-		
	21	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	-		
		o-Hydroxy Atorvastatin Lactone	LC-MS/MS (Thermo)		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	-		
	22	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	-		
	23	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	-		
	24	Atazanavir	LC-MS/MS (Thermo)	Human Plasma	20 to 8000 ng/mL	K ₂ EDTA	300 mg		
	25	Azithromycin	LC-MS (API 150)	Human Plasma	5 to 1280 ng / mL	Sodium heparin	600 mg		
	INDIA	Location : India							
		26	Abacavir	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 6000 ng / mL	K ₂ EDTA	300 mg	
		27	Abacavir	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 12000 ng / mL	K ₂ EDTA	600 mg	
Lamivudine	LC-MS/MS (Waters QPXE)		Human Plasma	25 to 6000 ng / mL	K ₂ EDTA	300 mg			

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
28	Abacavir	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 10000 ng / mL	K ₂ EDTA	300mg	Yes
	Lamivudine	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 5000 ng / mL	K ₂ EDTA	150mg	Yes
29	Acamprosate	LC-MS/MS (Thermo)	Human Plasma	0.5 to 400 ng / mL	K ₂ EDTA	2 X 333 mg i.e. 666mg dose	
30	Acetazolamide	LC-MS/MS (API 3200)	Human Plasma	0.025 to 20 µg / mL	K ₂ EDTA	500 mg	
31	Aceclofenac	LC-MS/MS (API 2000)	Human Plasma	75 to 22000 ng / mL	Sodium heparin	100 mg	
32	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	-	
33	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	-	
34	Acetyl salicylic acid	LC-MS/MS (API 4000)	Human Plasma	2.5 to 750 ng / mL	K ₂ EDTA	25 mg	
35	Acetyl salicylic acid	LC-MS/MS (API 4000)	Human Plasma	2.5 to 1500 ng / mL	K ₂ EDTA	100 mg	
	Salicylic acid	LC-MS/MS (API 4000)	Human Plasma	150 to 10000 ng / mL	K ₂ EDTA	-	
36	Acitretin	LC-MS/MS (Shimadzu 8060)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	25 mg	
	13-Cis - Acitretinin	LC-MS/MS (Shimadzu 8060)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	-	
37	Acrivastine	LC-MS/MS (API 4000)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	8mg	
38	Allopurinol	LC-MS/MS (API 3200)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	300 mg	
39	Allopurinol	LC-MS/MS (Waters QPXE)	Human Plasma	15 to 5000 ng / mL	K ₂ EDTA	300 mg	
	Oxypurinol	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 10000 ng / mL	K ₂ EDTA	-	
40	Amantadine	LC-MS/MS (Thermo)	Human Plasma	2 to 600 ng / mL	K ₂ EDTA	100 mg	
41	Ambrisentan	LC-MS/MS (Thermo)	Human Plasma	5 to 1500 ng/mL	K ₂ EDTA	10 mg	
42	Amlodipine	LC-MS/MS (API 4000)	Human Plasma	0.2 to 10 ng / mL	Sodium heparin	5 mg / 10 mg	
43	*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	
44	*Amlodipine (R)	LC-MS/MS (API 4000)	Human Plasma	0.1 to 5 ng / mL	Sodium heparin	5 mg / 10 mg	
	*Amlodipine (S)	LC-MS/MS (API 4000)	Human Plasma	0.1 to 7.5 ng / mL	Sodium heparin	5 mg / 10 mg	

INDIA

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	45	Amlodipine	LC-MS/MS (API 4000)	Human Plasma	0.2 to 10 ng / mL	K ₂ EDTA	10 mg	
		Olmesartan	LC-MS/MS (API 4000)	Human Plasma	2.5 to 2200 ng / mL	K ₂ EDTA	40 mg	
	46	Amlodipine	LC-MS/MS (API 4000)	Human Plasma	0.1 to 7 ng / mL	K ₂ EDTA	10 mg	
		Valsartan	LC-MS/MS (API 4000)	Human Plasma	50 to 8000 ng / mL	K ₂ EDTA	160 mg	
	47	Amlodipine	LC-MS/MS (API 4000)	Human Plasma	0.1 to 15 ng / mL	K ₂ EDTA	10 mg	
		Valsartan	LC-MS/MS (API 4000)	Human Plasma	50 to 20000 ng / mL	K ₂ EDTA	320 mg	
	48	Amlodipine	LC-MS/MS (Waters QPXE)	Human Plasma	0.15 to 10 ng / mL	K ₂ EDTA	10 mg	
		Telmisartan	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1000 ng / mL	K ₂ EDTA	80 mg	
	49	Amiloride	LC-MS/MS (Waters QPXE)	Human Plasma	0.15 to 20 ng / mL	K ₂ EDTA	5 mg	
	50	Amiodarone	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 1500 ng / mL	K ₂ EDTA	200 mg	
	51	Amiodarone	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	200 mg	
		N-Desethyl Amiodarone	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 100ng / mL	K ₂ EDTA	-	
	52	Amitriptyline	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 30 ng / mL	K ₂ EDTA	25 mg	
		Nortriptyline	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 15 ng / mL	K ₂ EDTA	-	
	53	Amodiaquine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	150 mg	
		N-desethyl Amodiaquine	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K ₂ EDTA	-	
	54	Amoxicillin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 35 µg / mL	K ₂ EDTA	1 gm	
	55	Amoxicillin	HPLC-UV	Human Plasma	0.5 to 15 µg / mL	K ₂ EDTA / Heparin	500 mg	
	56	Amoxicillin	LC-MS/MS (Waters QPXE)	Human Plasma	0.05 to 12 µg / mL	K ₂ EDTA	250 mg	
	57	Amoxicillin	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	75 to 35000 ng / mL	Sodium heparin	500 mg	
58	Amoxicillin	LC-MS/MS (API 4000)	Human Plasma	100 to 15000 ng / mL	Sodium heparin	400 mg		
	Clavulanic acid	LC-MS/MS (API 4000)	Human Plasma	5 to 2000 ng / mL	Sodium heparin	57 mg		
59	Amoxyxillin	LC-MS/MS (Waters QPXE)	Human Plasma	75 to 35000 ng / mL	Sodium Heparin	600 mg		
	Clavulanic acid	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 3450 ng / mL	Sodium Heparin	42.9 mg		
60	Amphotericin B	HPLC-UV	Human Plasma	0.25 to 10 µg / mL	K ₂ EDTA	2 mg		
61	Amphotericin-B	LC-MS/MS (API 4000)	Human Plasma	5 to 5000 ng / mL	K ₂ EDTA	0.6 mg/kg to 1.5 mg/kg		
62	Amphotericin B	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	100 to 2000 pg / mL	K ₂ EDTA	NA		

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
63	*Amphotericin B (free) (Liposomal)	LC-MS/MS (API 4000)	Human Plasma	10 to 3000 ng / mL	K ₂ EDTA	50mg/vial	
64	Albendazole	LC-MS/MS (Waters QPXE)	Human Plasma	0.3 to 150 ng / mL	K ₂ EDTA	400mg	Yes
	Albendazole Sulfoxide	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2500 ng / mL	K ₂ EDTA	NA	Yes
65	*Alendronate	LC-MS/MS (API 4000)	Human Urine	2 to 600 ng / mL	NA	70 mg	
66	*Alendronate	LC-MS/MS (API 4000)	Human Plasma	0.3 to 150 ng / mL	K ₂ EDTA	70 mg	
67	*Alendronate	LC-MS/MS (Thermo)	Human Plasma	0.05 to 20 ng / mL	K ₂ EDTA	10 mg	
68	Alogliptin	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	25 mg	
69	Alogliptin	LC-MS/MS (API 4000)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	12.5 mg	
70	Anastrozole	LC-MS/MS (API 3200)	Human Plasma	0.25 to 25 ng / mL	Sodium heparin	1 mg	
71	*Anagrelide	LC-MS/MS (Thermo)	Human Plasma	0.05 to 10 ng / mL	K ₃ EDTA	0.5 mg	
72	Apixaban	LC-MS/MS (Thermo)	Human Plasma	0.25 to 300 ng / mL	K ₂ EDTA	50 mg	
73	Apovincaminic acid	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 50 ng / mL	K ₂ EDTA	5 mg of Vinpocetine	
74	Apovincaminic acid	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 180 ng / mL	K ₂ EDTA	15 mg of Vinpocetine	
75	Apremilast	LC-MS/MS (API 4000)	Human Plasma	1 to 600 ng / mL	K ₂ EDTA	30 mg	
76	Aripiprazole	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 ng / mL	K ₂ EDTA	5 mg	
	Dehydro aripiprazole	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 ng / mL	K ₂ EDTA	-	
77	Aripiprazole	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	10 mg	
78	Aripiprazole	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 50 ng / mL	K ₂ EDTA	5 mg	
79	Artemether	LC-MS/MS (API 4000)	Human Plasma	2 to 200 ng / mL	K ₂ EDTA	80 mg	
	Dihydroartemisinin	LC-MS/MS (API 4000)	Human Plasma	2 to 250ng / mL	K ₂ EDTA	80 mg	
80	Atazanavir	LC-MS/MS (Thermo)	Human Plasma	10 to 5000 ng/mL	K ₂ EDTA	300 mg	
81	Atazanavir	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	300 mg	
82	Atenolol	HPLC - Fluorescence	Human Plasma	10 to 800 ng / mL	K ₂ EDTA / Heparin	100 mg	
83	Atenolol	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1000 ng / mL	K ₂ EDTA	50 mg	
84	Nifedipine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	20 mg	
85	Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.1 to 100 ng / mL	K ₂ EDTA	80 mg	
	O-Hydroxy Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.25 to 100 ng / mL	K ₂ EDTA	-	
	P-Hydroxy Atorvastatin	LC-MS/MS (API 4000)	Human Plasma	0.1 to 15 ng / mL	K ₂ EDTA	-	

INDIA

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	86	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	-	
	87	Atorvastatin	LC-MS/MS (API 3200)	Human Plasma	0.1 to 40 ng / mL	K ₂ EDTA	20 mg	
	88	Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.1 to 60 ng / mL	K ₂ EDTA	40 mg	
	89	Atorvastatin	LC-MS/MS (API 3200)	Human Plasma	0.1 to 150 ng / mL	K ₂ EDTA	80 mg	
	90	Atovaquone	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	250 mg	
	91	*5-Azacytidine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3000 ng / mL	Sodium heparin	100 mg	
	92	*Azelastine	LC-MS/MS (Thermo)	Human Plasma	5 to 1000 pg / mL	K ₂ EDTA	0.56 mg	
		*N-desmethyl Azelastine	LC-MS/MS (Thermo)	Human Plasma	7 to 500 pg / mL	K ₂ EDTA	-	
93	Azithromycin	LC-MS/MS (API 3200)	Human Plasma	5 to 1000 ng / mL	K ₂ EDTA	600 mg		
94	Azithromycin	LC-MS/MS (API 3200)	Human Plasma	1 to 250 ng / mL	K ₂ EDTA	200 mg		
B								
Location : Canada								
CANADA	95	R-Baclofen	LC-MS/MS (Thermo)	Human Plasma	1 to 500 ng / mL	K ₂ EDTA	10 mg	
	96	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	
	97	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	
	98	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	-	
99	Budesonide	LC-MS/MS (API 6500)	Human Plasma	20 to 10000 pg/mL	Sodium heparin	3 x 3 mg		

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
100	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	-	
101	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	-	
102	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	-	
103	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	-	
104	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	-	

CANADA

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
105	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	-	
106	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	-	
107	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	-	
108	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	-	
109	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	-	
110	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	-	

CANADA

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
Location : India								
INDIA	111	Benazepril	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 2500 ng / mL	K ₂ EDTA	40 mg	
		Benazeprilat	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 1500 ng / mL	K ₂ EDTA	-	
	112	Benazepril	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 250 ng / mL	K ₂ EDTA	10 mg	
		Benazeprilat	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 500 ng / mL	K ₂ EDTA	-	
	113	Bendroflumethiazide	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 250 ng/mL	K ₂ EDTA	5mg	
	114	Bexarotene	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng / mL	K ₂ EDTA	75 mg	
	115	Bezafibrate	LC-MS/MS (API 4000)	Human Plasma	80 to 22000 ng/mL	K ₂ EDTA	200mg/400mg	
	116	Bicalutamide	LC-MS/MS (API 2000)	Human Plasma	10 to to 1000 ng / mL	Heparin	25 mg	
	117	Bicalutamide	LC-MS/MS (API 2000)	Human Plasma	50 to 2000 ng / mL	K ₂ EDTA / Heparin	50 mg	
	118	Bicalutamide	LC-MS/MS (API 2000)	Human Plasma	100 to 5000 ng / mL	K ₂ EDTA	150 mg	
	119	*Bicalutamide (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1000 ng / mL	K ₂ EDTA	50 mg	
	120	Bisoprolol	LC-MS/MS (API 3200)	Human Plasma	0.5 to 80 ng / mL	K ₂ EDTA	10 mg	
	121	Bosentan	LC-MS/MS (API 3200)	Human Plasma	5 to 6000 ng / mL	K ₂ EDTA	125 mg	
	122	*Bortezomib	LC-MS/MS (Thermo)	Rat Plasma	0.5 to 500 ng / mL	Sodium heparin	62.5 µg/kg to 250 µg/kg (Subcutaneous)	
	123	*Bortezomib	LC-MS/MS (Waters QPXE)	Rat Plasma	2 to 8000 ng / mL	Sodium heparin	62.5 µg/kg to 250 µg/kg (IV)	
	124	*Budesonide	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	5 to 4000 pg / mL	K ₂ EDTA	3 mg	
125	Budesonide	LC-MS/MS (Thermo)	Human Plasma	20 to 10000 pg / mL	Sodium Heparin	3 X 3 mg		
126	Budesonide	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	20 to 10000 pg / mL	Sodium heparin	3X3 mg		

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	127	Buspirone	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 30000 pg / mL	K ₂ EDTA	15 mg	
	128	Bupropion	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	300 mg/150mg	
	129	Bupropion	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 250 ng / mL	K ₂ EDTA	150 mg	
		Hydroxybupropion	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1000 ng / mL	K ₂ EDTA	-	
	130	*Bupropion	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	150 mg	
		*Hydroxy Bupropion	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 800 ng / mL	K ₂ EDTA	-	
		*Erythro hydro Bupropion	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	-	
		* Threo hydro Bupropion	LC-MS/MS (Waters QPXE)	Human Plasma	1.5 to 600 ng / mL	K ₂ EDTA	-	
	131	Bupropion	LC-MS/MS (API 6500)	Human Plasma	1 to 500 ng/mL	K ₂ EDTA	300 mg	
		Hydroxy Bupropion	LC-MS/MS (API 6500)	Human Plasma	2 to 1500 ng/mL,	K ₂ EDTA	-	
		Erythro Hydro Bupropion	LC-MS/MS (API 6500)	Human Plasma	0.5 to 176 ng/mL	K ₂ EDTA	-	
		Threo Hydro Bupropion	LC-MS/MS (API 6500)	Human Plasma	1.5 to 1000 ng/mL	K ₂ EDTA	-	
	132	*Bupropion	LC-MS/MS (Thermo)	Human Plasma	1 to 500 ng / mL	K ₂ EDTA	300 mg	
		*Hydroxy Bupropion	LC-MS/MS (Thermo)	Human Plasma	2 to 1500 ng / mL	K ₂ EDTA	-	
		*Erythro hydro Bupropion	LC-MS/MS (Thermo)	Human Plasma	0.5 to 175 ng / mL	K ₂ EDTA	-	
		* Threo hydro Bupropion	LC-MS/MS (Thermo)	Human Plasma	1.5 to 1000 ng / mL	K ₂ EDTA	-	
C								
Location : Canada								
CANADA	133	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	-	
	134	Carvedilol	LC-MS/MS (Thermo)	Human Plasma	1 to 128 ng / mL	K ₂ EDTA	40 mg	
		O-Desmethylcarvedilol	LC-MS/MS (Thermo)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	-	
		4'-Hydroxyphenyl carvedilol	LC-MS/MS (Thermo)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	-	
	5'-Hydroxyphenyl carvedilol	LC-MS/MS (Thermo)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	-		

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	135	Cefaclor	HPLC-UV	Human Plasma	0.2 to 25 µg / mL	Lithium heparin	500 mg	
	136	Cefixime	HPLC-UV	Human Plasma	0.1 to 13 µg / mL	Sodium heparin	400 mg	
	137	Cefuroxime	HPLC-UV	Human Plasma	0.2 to 27 µg / mL	K ₂ EDTA	500 mg	
	138	Cefuroxime	LC-MS/MS (Thermo)	Human Plasma	100 to 20135 ng / mL	K ₂ EDTA	500 mg	
	139	Celecoxib	HPLC - Fluorescence	Human Plasma	20 to 2560 ng / mL	Sodium heparin	200 mg	
	140	Celecoxib	LC-MS/MS (API 3000)	Human Plasma	20 to 2560 ng / mL	K ₂ EDTA	200 mg	
	141	Cephalexin	HPLC-UV	Human Plasma	0.2 to 25 µg / mL	K ₃ EDTA	-	
	142	Cetirizine	LC-MS/MS (API 3000)	Human Plasma	2 to 512 ng / mL	K ₂ EDTA	10 mg	
	143	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	
	144	Chlorpheniramine	LC-MS/MS (API 3000)	Human Plasma	0.1 to 51 ng / mL	K ₂ EDTA	8 mg / 5 mL	
	145	Chlorthalidone	LC-MS/MS (Thermo)	Human Plasma	2 to 1000 ng/mL	K ₂ EDTA	50 mg	
	146	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	
	147	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	
	148	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	25 to 6400 ng / mL	K ₃ EDTA	-	
	149	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	20 to 2561 ng / mL	K ₃ EDTA	-	
	150	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	-		
151	Citalopram	HPLC - Fluorescence	Human Plasma	0.25 to 32 ng / mL	Heparin	-		
152	Citalopram	HPLC - Fluorescence	Human Plasma	0.25 to 64 ng / mL	Sodium heparin	-		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
153	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	-	
154	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	-	
155	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	-	
156	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	-	
157	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	-	
158	Clarithromycin	LC-MS/MS (API 300 or 3000)	Human Plasma	20 to 5120 ng / mL	Sodium heparin	-	
159	Clavulanic Acid	LC-MS/MS (API 300 or 3000)	Human Plasma	25 to 1600 ng / mL	Sodium heparin	125 mg	
160	Clobazam	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	2 mg / mL	
161	Clonazepam	LC-MS/MS (API 300 or 3000)	Human Plasma	0.1 to 51 ng / mL	Sodium heparin	-	
162	Clonidine	LC-MS/MS (Thermo)	Human Plasma	0.03 to 2 ng / mL	K ₂ EDTA	0.3 mg	
163	Clopidogrel	LC-MS/MS (Thermo)	Human Plasma	0.05 to 51 ng / mL	Sodium heparin	300 mg	
164	Clopidogrel Carboxylic Acid	LC-MS/MS (Thermo)	Human Plasma	0.049 to 25 µg / mL	K ₂ EDTA	300 mg of Clopidogrel	
165	Clopidogrel Thiol	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng / mL	K ₂ EDTA	300 mg of Clopidogrel	
166	Codeine	LC-MS/MS (Thermo)	Human Plasma	0.7 to 400 ng / mL	K ₂ EDTA	30 mg	

CANADA

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
CANADA	167	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							
INDIA	168	Cabazitaxel (Total)	LC-MS/MS (Waters QPXE)	Human / Dog Plasma	0.5 to 250 ng / mL	K ₂ EDTA	Multiple dosage (0.25 mg/kg to 0.75 mg/kg)
	169	Cabazitaxel (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	0.75 to 500 ng / mL	K ₂ EDTA	15 to 25 mg / m2
	170	Cabazitaxel (Free)	LC-MS/MS (Thermo)	Human Plasma	0.05 to 40 ng / mL	K ₂ EDTA	Multiple dose
	171	*Cabergoline	LC-MS/MS (API 6500)	Human Plasma	0.5 to 80 pg / mL	K ₃ EDTA	2 X 0.5 mg
	172	Candesartan	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 750 ng / mL	K ₂ EDTA	32 mg
	173	Candesartan	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 350 ng / mL	K ₂ EDTA	16 mg
	174	Candesartan	LC-MS/MS (Waters QPXE)	Human Plasma	0.4 to 160 ng / mL	K ₂ EDTA	8 mg
	175	Capecitabine	LC-MS/MS (API 4000)	Human Plasma	10 to 12000 ng / mL	K ₂ EDTA	500 mg (multiple dosing)
	176	*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 760 ng / mL	K ₂ EDTA	-
	177	*Capecitabine	LC-MS/MS (Thermo)	Human Plasma	10 to 10000 ng / mL	K ₂ EDTA	2X 1250 mg / M ²
		*5-Fluorouracil	LC-MS/MS (Thermo)	Human Plasma	5 to 1000 ng / mL	K ₂ EDTA	2X 1250 mg / M ² of Capecitabine
	178	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	-
	179	Carbamazepine	LC-MS/MS (API 3200)	Human Plasma	50 to 7000 ng / mL	K ₂ EDTA	300 / 400 mg
180	Carbamazepine	LC-MS/MS (API 2000)	Human Plasma	0.5 to 20 µg / mL	K ₂ EDTA	400 mg (steady state)	
181	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	-	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
182	*Carprofen	LC-MS/MS (API 3200)	Beagle Dog Plasma	0.5 to 100 µg / mL	K ₂ EDTA	100 mg	
183	Captopril	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K ₂ EDTA	25 mg	
184	Carbidopa	LC-MS/MS (Thermo)	Human Plasma	0.7 to 230 ng / mL	K ₂ EDTA	25 mg	
185	Carvedilol	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 100 ng / mL	K ₂ EDTA	12.5 mg	
186	*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	-	
187	*Carvedilol	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 ng / mL	K ₂ EDTA	40 mg	
	*4-Hydroxy Phenyl Carvedilol	LC-MS/MS (Waters QPXE)	Human Plasma	0.05 to 5 ng / mL	K ₂ EDTA	-	
188	Cefaclor	HPLC-UV	Human Plasma	0.2 to 25 µg / mL	Heparin	500 mg	
189	Cefadroxil	HPLC-UV	Human Plasma	0.5 to 50 µg / mL	Heparin	500 mg	
190	Cefdinir	HPLC-UV	Human Plasma	0.035 to 5 ng / mL	Heparin	250 mg	
191	Cefixime	HPLC-UV	Human Plasma	0.05 to 8 µg / mL	K ₂ EDTA / Heparin	400 mg	
192	Ceftazidime	HPLC-UV	Human Plasma	0.3 to 60 µg / mL	Heparin	1 g injection	
193	Cefuroxime	HPLC-UV	Human Plasma	0.3 to 35 µg / mL	Heparin	750 mg injection	
194	Cefuroxime	HPLC-UV	Human Plasma	0.075 to 13 µg / mL	Heparin	500 mg	
195	Cefuroxime	LC-MS/MS (Waters QPXE)	Human Plasma	0.025 to 7.5 µg / mL	K ₂ EDTA	250 mg	
196	Celecoxib	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 4000 ng / mL	Heparin	200 mg / 400 mg	
197	Cephalexin	HPLC-UV	Human Plasma	0.3 to 40 µg / mL	Heparin	500 mg	
198	Cetirizine	LC-MS/MS (API 3200)	Human Plasma	5 to 500 ng / mL	Heparin	10 mg	
199	Chlorthalidone	HPLC-UV	Human Plasma	10 to 500 ng / mL	CPD	25 mg	
200	Chlorthalidone	HPLC-UV	Human Plasma	50 to 3000 ng / mL	CPD	200 mg	
201	Cilostazol	LC-MS/MS (API 2000)	Human Plasma	10 to 2000 ng / mL	K ₂ EDTA	100 mg	
202	Cinacalcet	LC-MS/MS (API 3200)	Human Plasma	0.25 to 150 ng / mL	K ₂ EDTA	90 mg	

INDIA

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
203	Cinacalcet	LC-MS/MS (API 3200)	Human Plasma	0.25 to 100 ng / mL	K ₂ EDTA	90 mg	
204	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	0.05 to 4 µg / mL	K ₂ EDTA	750 mg	
205	Cimetidine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1000 ng / mL	Heparin	200 mg	
206	Cimetidine	LC-MS/MS (Waters QPXE)	Human Plasma	15 to 6000 ng / mL	Heparin	800 mg	
207	Citalopram	HPLC - Fluorescence	Human Plasma	2 to 80 ng / mL	Heparin	40 mg	
208	Citalopram	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 100 ng / mL	K ₂ EDTA	40 mg	
209	*Citalopram (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 25 ng / mL	Heparin	20 mg	
	*S- desmethyl citalopram	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 15 ng / mL	Heparin	-	
210	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	-	
211	S-citalopram	LC-MS/MS (API 3200)	Human Plasma	0.25 to 50 ng / mL	Heparin	20 mg	
	S- desmethyl citalopram	LC-MS/MS (API 3200)	Human Plasma	0.125 to 25 ng / mL	Heparin	-	
212	S-citalopram	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 50 ng / mL	K ₂ EDTA	10 mg / 20 mg	
213	S-citalopram	LC-MS/MS (Shimadzu 8040)	Human Plasma	0.25 to 50 ng / mL	K ₂ EDTA	10 mg / 20 mg	
214	Citric acid	LC-MS/MS (Waters QPXE)	Human Urine	5 to 1500 µg / mL	Not applicable	60 mEq(4 X 15 mEq)	
215	Clarithromycin	LC-MS/MS (API 2000)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	250 mg / 500 mg	
216	Clarithromycin	LC-MS/MS (API 3200)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	500 mg	
	14- hydroxy Clarithromycin	LC-MS/MS (API 3200)	Human Plasma	10 to 2000 ng / mL	K ₂ EDTA	-	
217	Clavulanic acid	LC-MS/MS (Waters QPXE)	Human Plasma	15 to 5000 ng/mL	Sodium heparin	125 mg	
218	Clavulanic acid	HPLC-UV	Human Plasma	0.05 to 4 µg / mL	K ₂ EDTA / Heparin	125 mg	
219	Clindamycin	LC-MS/MS (API 2000)	Human Plasma	50 to 8000 ng / mL	K ₂ EDTA	300 mg	
220	Clobazam	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	10 mg	
221	Clobazam	LC-MS/MS (Thermo)	Human Plasma	5 to 600 ng / mL	K ₂ EDTA	2.5 mg/mL (total 20 mg)	
	N-desmethyl clobazam	LC-MS/MS (Thermo)	Human Plasma	5 to 500 ng / mL	K ₂ EDTA	-	
222	*Clonidine	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	5 to 600 pg / mL	K ₂ EDTA	0.1 mg	

INDIA

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	223	Clopidogrel	LC-MS/MS (API 4000)	Human Plasma	20 to 4000 pg / mL	Heparin	75 mg	
	224	Clopidogrel	LC-MS/MS (API 4000)	Human Plasma	20 to 8000 pg / mL	Sodium heparin	300 mg (fasting study)	
	225	Clopidogrel	LC-MS/MS (API 4000)	Human Plasma	0.1 to 40 ng / mL	Sodium heparin	300 mg (Fed study)	
	226	*Clopidogrel	LC-MS/MS (Shimadzu 8060)	Human Plasma	5 to 4000 pg / mL	Sodium heparin	75 mg (Fasting)	
	227	Clopidogrel	LC-MS/MS (API 6500)	Human Plasma	5 to 4000 pg/mL	Sodium heparin	75 mg	
	228	Clopidogrel Carboxy acid	LC-MS/MS (API 2000)	Human Plasma	30 to 5000 ng / mL	Heparin	75 mg of clopidogrel	
	229	Clozapine	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	200 mg multiple dose	
	230	Clozapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 80 ng / mL	K ₂ EDTA	12.5 mg	
	231	Colchicine	LC-MS/MS (API 4000)	Human Plasma	25 to 6000 pg / mL	K ₂ EDTA	500 mcg	
	232	Cyclophosphamide	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 2500 ng / mL	K ₂ EDTA	Multiple dose	
233	Cycloserine	LC-MS/MS (Thermo)	Human Plasma	0.1 to 20 µg / mL	K ₂ EDTA	250mg		
D								
Location : Canada								
CANADA	234	Darunavir	LC-MS/MS (API 3000)	Human Plasma	10 to 6400 ng / mL	K ₂ EDTA	600 mg	
	235	Dexamethasone	LC-MS/MS (Thermo)	Human Plasma	0.2 to 60 ng / mL	K ₂ EDTA	0.5 mg	
	236	Dextroamphetamine	LC-MS/MS (API 3000)	Human Plasma	0.2 to 51 ng / mL	K ₂ EDTA	30 mg	
	237	Dextromethorphan	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng/mL	K ₂ EDTA	60 mg	Yes
		Detrorphan	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng/mL	K ₂ EDTA	NA	Yes
	238	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	-	
	239	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		
240	Diclofenac	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K ₂ EDTA	1 % gel		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	241	Didanosine	LC-MS/MS (API 3000)	Human Plasma	10 to 1280 ng / mL	Sodium heparin	-	
	242	Dienogest	LC-MS/MS (Thermo)	Human Plasma	3 to 120 ng / mL	K ₂ EDTA	2 mg	
	243	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	-	
	244	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	-	
	245	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	-	
	246	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	-	
	247	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	-	
	248	Diphenhydramine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	Sodium heparin	25 to 38 mg	
	249	Donepezil	LC-MS/MS (Thermo)	Human Plasma	0.25 to 64 ng / mL	K ₂ EDTA	10 mg	
	250	Doxazosin	HPLC - Fluorescence	Human Plasma	0.5 to 128 ng / mL	Heparin	-	
	251	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	-	
	252	Doxycycline	HPLC-UV	Human Plasma	80 to 5120 ng / mL	Heparin	-	
	253	Duloxetine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	K ₂ EDTA	60 mg	
	254	Duloxetine	LC-MS/MS (Thermo)	Human Plasma	0.5 to 128 ng / mL	K ₂ EDTA	60 mg	
255	Dutasteride	LC-MS/MS (Thermo)	Human Plasma	60 to 5120 pg / mL	K ₂ EDTA	0.5 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
Location : India							
256	*Dabigatran [Total- (Conjugated + Unconjugated)]	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng / mL	Sodium Citrate	150 mg	
257	*Dabigatran (Unconjugated)	LC-MS/MS (API 4000)	Human Plasma	1 to 300 ng / mL	Sodium Citrate	150 mg	
258	*Dabigatran (Unconjugated)	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	Sodium Citrate	150 mg	
259	*Dabigatran (Unconjugated)	LC-MS/MS (API 3200)	Sprague Dawley Rat plasma	5 to 10000 ng / mL	Sodium Citrate	Multiple dose	
260	Daclatasvir	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 3000 ng/mL	K ₂ EDTA	60 mg	
261	*11-dehydro Thromboxane B2	LC-MS/MS (Shimadzu 8040)	Human Urine	0.1 to 20 ng / mL	NA	NA	
262	Dalfampridine/Fampridine	LC-MS/MS (API 3200)	Human Plasma	0.2 to 40 ng / mL	K ₂ EDTA	10 mg	
263	Darunavir	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 10000 ng / mL	K ₂ EDTA	600 mg / 800 mg	
264	Dasatinib	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	100mg	
265	Deferasirox (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 µg / mL	K ₂ EDTA	250 mg / 500 mg	
266	3 De-Methylthiocholchicine 3-O-β -D-Glucuronide	LC-MS/MS (API 4000)	Human Plasma	0.25 to 100 ng / mL	K ₂ EDTA	8 mg	
267	17-Desacetyl Norgestimate	LC-MS/MS (API 4000)	Human Plasma	0.05 to 7.5 ng / mL	K ₂ EDTA	0.5 mg of norgestimate	
268	Dexibuprofen	LC-MS/MS (API 3200)	Human Plasma	0.2 to 50 µg / mL	K ₂ EDTA	400 mg	
269	Dexketoprofen	LC-MS/MS (API 2000)	Human Plasma	10 to 10000 ng / mL	K ₂ EDTA	25 mg / 50 mg	
270	Dexamethasone	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 60 ng / mL	K ₃ EDTA	2 mg	
271	Deferasirox	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 µg / mL	K ₂ EDTA	250 mg /360 mg / 500 mg	
272	*Diazepam	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1000 ng / mL	K ₂ EDTA	10 mg	
273	Diclofenac	LC-MS/MS (API 2000)	Human Plasma	5 to 2000 ng / mL	Heparin	50 mg	
274	Diclofenac	LC-MS/MS (API 2000)	Human Plasma	10 to 5000 ng / mL	Heparin	75 mg / 100 mg	
275	Diclofenac	LC-MS/MS (API 4000)	Human Plasma	5 to 5000 ng / mL	K ₂ EDTA	75 mg / 100 mg	
276	Diclofenac	LC-MS/MS (API 3200)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	22 mg	
277	Diclofenac	LC-MS/MS (API 4000)	Human Plasma	0.075 to 25 ng / mL	K ₂ EDTA	1 % gel	
278	Dienogest	LC-MS/MS (API 6500)	Human Plasma	1 to 120 ng/mL	K ₂ EDTA	2mg	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
279	Diltiazem	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 250 ng / mL	K ₂ EDTA	240 mg	
	N-Des Methyl Diltiazem	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 64 ng / mL	K ₂ EDTA	-	
	Des Acetyl Diltiazem	LC-MS/MS (Waters QPXE)	Human Plasma	0.15 to 40 ng / mL	K ₂ EDTA	-	
280	Diltiazem	LC-MS/MS (Waters QPXE)	Human Plasma	2.5 to 750 ng / mL	K ₂ EDTA	360 mg	
	N-Des Methyl Diltiazem	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 150 ng / mL	K ₂ EDTA	-	
	Des Acetyl Diltiazem	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 35 ng / mL	K ₂ EDTA	-	
281	*2,3-Dinor-6-keto prostaglandin F1 α	LC-MS/MS (Shimadzu 8040)	Human Urine	0.5 to 25 ng / mL	NA	NA	
282	Dipyridamole	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 3000 ng / mL	K ₂ EDTA	200 mg	
283	Dipyridamole	LC-MS/MS (Shimadzu 8040)	Human Plasma	10 to 3000 ng / mL	K ₂ EDTA	200 mg	
284	Dipyridamole	LC-MS/MS (Shimadzu 8040)	Human Plasma	10 to 4000 ng / mL	K ₂ EDTA	200 mg multiple dose	
285	Docetaxel	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	20 mg / 0.5 mL injection	
286	Docetaxel (total)	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 15000 ng / mL	K ₂ EDTA	Multiple dose	
287	*Docetaxel	LC-MS/MS (Waters QPXE)	Beagle Dog Plasma	10 to 4000 ng / mL	K ₂ EDTA	80mg / 2mL	
288	*Docetaxel (free)	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 300 ng / mL	K ₂ EDTA	Multiple dose	
289	Dofetilide	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	20 to 6000 pg / mL	K ₂ EDTA	0.5 mg	
290	Dofetilide	LC-MS/MS (API 6500)	Human Plasma	20 to 6000 pg / mL	K ₂ EDTA	0.5 mg	Yes
291	Domperidone	LC-MS/MS (API 4000)	Human Plasma	0.1 to 50 ng / mL	K ₂ EDTA	10 mg	
292	Donepezil	LC-MS/MS (API 3200)	Human Plasma	0.5 to 40 ng / mL	K ₂ EDTA	10 mg	
293	Dronadarone	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 200 ng / mL	K ₂ EDTA	400 mg (fed study)	
	N-desbutyl dronadarone	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 200 ng / mL	K ₂ EDTA	-	
294	Dronadarone	LC-MS/MS (Thermo)	Human Plasma	0.5 to 200 ng / mL	K ₂ EDTA	400 mg (fed study)	
	N-desbutyl dronadarone	LC-MS/MS (Thermo)	Human Plasma	0.5 to 200 ng / mL	K ₂ EDTA	-	
295	Dronedarone	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 100 ng / mL	K ₂ EDTA	400 mg (fasting study)	
	N-desbutyl Dronedarone	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 100 ng / mL	K ₂ EDTA	-	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	296	Drospirenone	LC-MS/MS (API 4000)	Human Plasma	0.5 to 175 ng / mL	K ₂ EDTA	6 mg	
	297	Drotaverine	LC-MS/MS (Thermo)	Human Plasma	1 to 600 ng / mL	K ₂ EDTA	80 mg	
	298	Dolutegravir	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 6000 ng / mL	K ₂ EDTA	50 mg	
	299	Doxazosin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 16 ng / mL	K ₂ EDTA	1 mg	
	300	Doxorubicin (Encapsulated and total)	LC-MS/MS (Waters QPXE)	Human Plasma	150 to 60000 ng / mL	K ₃ EDTA	50mg / m ²	
	301	*Doxorubicin (Encapsulated and total)	LC-MS/MS (Waters QPXE)	Human Plasma	150 to 60000 ng / mL	K ₂ EDTA	-	
	302	*Doxorubicin (Free) (Liposomal)	LC-MS/MS (Waters QPXE)	CD-1 Mice Plasma	10 to 15000 ng / mL	K ₂ EDTA	Multiple dose	
	303	*Doxorubicin (Free) (Liposomal)	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 2050 ng / mL	K ₃ EDTA	50 kg / m ²	
	304	*Doxorubicin (Encapsulated) (Liposomal)	LC-MS/MS (Waters QPXE)	CD-1 Mice Plasma	0.4 to 400 µg / mL	K ₂ EDTA	Multiple dose	
	305	*Doxorubicinol	LC-MS/MS (API 6500)	Human Plasma	0.1 to 20 ng / mL	K ₃ EDTA	50mg / m ²	
	306	*Doxorubicinol	LC-MS/MS (API 6500)	Human Plasma	0.1 to 20 ng/mL	K ₂ EDTA	(2 mg/mL) concentrate for solution for infusion(Pegylated liposomal)	
	307	Doxylamine	LC-MS/MS (API 3200)	Human Plasma	1 to 200 ng / mL	K ₂ EDTA	20 mg	
308	Duloxetine	LC-MS/MS (API 3200)	Human Plasma	0.5 to 200 ng/mL	Heparin	60 mg		
309	Dutasteride	LC-MS/MS (API 4000)	Human Plasma	0.05 to 7.5 ng / mL	K ₂ EDTA	0.5 mg		
E								
Location : Canada								
CANADA	310	Efavirenz	LC-MS (API 150)	Human Plasma	0.02 to 5 µg / mL	Sodium heparin	-	
	311	Eliglustat	LC-MS/MS (Thermo)	Human Plasma	0.1- 50 ng/mL	K ₂ EDTA	84mg	Yes
	312	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	-	
	313	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	-	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	314	Eprosartan	LC-MS/MS (Thermo)	Human Plasma	5 to 3840 ng / mL	K ₂ EDTA	-	
	315	Esomeprazole	LC-MS/MS (Thermo)	Human Plasma	1 to 2000 ng / mL	K ₂ EDTA	20 mg	
	316	17 β-Estradiol	LC-MS/MS (API 6500)	Human Plasma	1 to 100 pg/mL	K ₂ EDTA	0.1 % Gel	
	317	Etodolac	HPLC-UV	Human Plasma	0.25 to 32 µg / mL	Heparin	-	
	318	Ethinyl Estradiol	LC-MS/MS (Thermo)	Human Plasma	3 to 128 pg / mL	K ₂ EDTA	0.03 mg	
	319	Ethinyl Estradiol	LC-MS/MS (API 6500)	Human Plasma	0.5 to 125 pg / mL	K ₂ EDTA	20 mcg	
	320	Exemestane	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	25 mg	
	321	Exemestane	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K ₂ EDTA	25 mg	
Location : India								
INDIA	322	Ebastine	LC-MS/MS (API 3200)	Human Plasma	0.05 to 10 ng / mL	K ₂ EDTA	20 mg	
		Carebastine	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	-	
	323	Ebastine	LC-MS/MS (API 4000)	Human Plasma	12 to 7500 pg / mL	K ₂ EDTA	10 mg	
		Carebastine	LC-MS/MS (API 4000)	Human Plasma	1 to 250 ng / mL	K ₂ EDTA	-	
	324	Ebastine	LC-MS/MS (API 4000)	Human Plasma	25 to 12000 pg / mL	K ₂ EDTA	20 mg Film Coated/Orodisposable tablet	
		Carebastine	LC-MS/MS (API 4000)	Human Plasma	1 to 500 ng / mL	K ₂ EDTA	20 mg Film Coated/Orodisposable tablet	
	325	Ebastine	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 12000 pg/mL	K ₂ EDTA	20mg	Yes
		Carebastine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 500 ng/mL	K ₂ EDTA	NA	Yes
	326	Efavirenz	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 6000 ng / mL	K ₂ EDTA	600 mg	
	327	Efavirenz	LC-MS/MS (API 4000)	Human Plasma	10 to 6000 ng / mL	K ₂ EDTA	600 mg	
	328	*Ethinyl estradiol	LC-MS/MS (Thermo)	Human Plasma	2 to 300 pg / mL	K ₂ EDTA	0.035mg / 0.07 mg	
	329	*Ethinyl estradiol	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	0.5 to 200 pg / mL	K ₂ EDTA	0.02 mg	
	330	*Ethinyl Estradiol	LC-MS/MS (API 6500)	Human Plasma	0.5 to 125 pg / mL	K ₂ EDTA	20 mcg	
331	Emtricitabin	LC-MS/MS (API 4000)	Human Plasma	20 to 6000 ng / mL	K ₂ EDTA	200 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
332	Efavirenz	LC-MS/MS (API 4000)	Human Plasma	5 to 5000 ng / mL	K ₂ EDTA	600 mg	
333	Endoxifen	LC-MS/MS (Thermo)	Human Plasma	25 to 10000 pg /mL	K ₂ EDTA	0.5mg to 4.0 mg (Multiple dosing)	
334	Endoxifen	LC-MS/MS (API 3200)	Human Plasma	0.5 to 200 ng / mL	K ₂ EDTA	40 mg	
335	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	-	
336	Enalapril	LC-MS/MS (Thermo)	Human Plasma	0.2 to 100 ng / mL	K ₂ EDTA	2.5 mg	
	Enalaprilat	LC-MS/MS (Thermo)	Human Plasma	0.2 to 50 ng / mL	K ₂ EDTA	-	
337	Entacapone	LC-MS/MS (API 3200)	Human Plasma	5 to 4000 ng / mL	Sodium heparin	200 mg	
338	Eplerenone	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2500 ng / mL	Sodium heparin	50 mg	
339	Eprosartan	LC-MS/MS (API 2000)	Human Plasma	10 to 5000 ng / mL	Heparin	300 mg	
340	Erlotinib	LC-MS/MS (API 3200)	Human Plasma	3 to 3000 ng / mL	K ₂ EDTA	150 mg	
341	Erlotinib	LC-MS/MS (API 4000)	Human Plasma	3 to 3000 ng / mL	K ₂ EDTA	150 mg	
342	Eslicarbazepine	LC-MS/MS (Thermo)	Human Plasma	50 to 20000 ng / mL	K ₂ EDTA	800mg	
343	Esomeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 3000 ng / mL	K ₂ EDTA	20 mg	
344	Esomeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 4000 ng / mL	K ₂ EDTA	40 mg	
345	*Esomeprazole	LC-MS/MS (Waters QPXE)	Sprague Dawley Rat plasma	2 to 15000 ng / mL	K ₂ EDTA	Multiple dosage (30 mg/kg to 180 mg/kg)	
346	*17 β-Estradiol	LC-MS/MS (Thermo)	Human Plasma	2 to 100 pg / mL	K ₂ EDTA	10 mcg / 20 mcg	
347	*17 β-Estradiol	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	2 to 600 pg / mL	K ₃ EDTA	1.5 mg	
348	*17 β-Estradiol	LC-MS/MS (Thermo)	Human Plasma	2 to 800 pg / mL	K ₂ EDTA	0.01 % vaginal cream	
349	*17 β-Estradiol	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	1 to 100 pg / mL	K ₂ EDTA	1 mg	
350	*17 β-Estradiol (Unconjugated)	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	1 to 250 pg / mL	K ₂ EDTA	1 mg estradiol	
	*Estrone (Unconjugated)	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	3 to 1200 pg / mL	K ₂ EDTA	-	
351	*Estrone (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	0.3 to 60 ng / mL	K ₂ EDTA	1 mg of Estradiol	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	352	Etoricoxib	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	120 mg	
	353	Exemestane	LC-MS/MS (Thermo)	Human Plasma	0.25 to 50 ng / mL	Sodium heparin	25 mg	
	354	*Ezetimibe (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 250 ng / mL	Sodium Heparin	10 mg	
	355	Ezetimibe (Unconjugated)	LC-MS/MS (API 4000)	Human Plasma	0.05 to 15 ng / mL	Sodium heparin	10 mg	
	356	Ezetimibe (Unconjugated)	LC-MS/MS (API 4000)	Human Plasma	0.075 to 30 ng / mL	Sodium Heparin	10 mg	
	357	Ezetimibe	LC-MS/MS (API 4000)	Human Plasma	0.05 to 15 ng / mL	Sodium Heparin	10 mg	
Ezetimibe Phenoxy Glucuronide		LC-MS/MS (API 4000)	Human Plasma	0.5 to 300 ng / mL	Sodium Heparin	-		
F								
Location : Canada								
CANADA	358	Famotidine	HPLC-UV	Human Plasma	5 to 640 ng / mL	Heparin	-	
	359	Felodipine	LC-MS/MS (Thermo)	Human Plasma	0.05 to 13 ng / mL	K ₂ EDTA	10 mg	
	360	Fenofibric acid	LC-MS/MS (API 3000)	Human Plasma	50 to 19200 ng / mL	K ₂ EDTA	135 mg	
	361	Fenofibric acid	HPLC-UV	Human Plasma	50 to 12800 ng / mL	K ₂ EDTA	-	
	362	Fenofibric acid	HPLC-UV	Human Plasma	10 to 5120 ng / mL	Sodium heparin	-	
	363	Fenofibric acid	HPLC-UV	Human Plasma	50 to 12800 ng / mL	Sodium heparin	-	
	364	Fenofibric acid	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 µg / mL	K ₂ EDTA	215 mg	
	365	Fentanyl	LC-MS/MS (API 3000)	Human Plasma	0.02 to 20 ng / mL	Sodium heparin	-	
	366	Fexofenadine	HPLC - Fluorescence	Human Plasma	5 to 640 ng / mL	Sodium heparin	-	
	367	Fexofenadine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	180 mg	
	368	Fexofenadine	LC-MS/MS (Thermo)	Human Plasma	3 to 3500 ng/mL	K ₂ EDTA	180mg	Yes

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	369	Fingolimod	LC-MS/MS (Thermo)	Human Blood	25 to 500 pg / mL	K ₂ EDTA	3 X 0.5 mg	
	370	Fingolimod Phosphate	LC-MS/MS (Waters QPXE)	Human Blood	75 to 4000 pg / mL	K ₂ EDTA	3 X 0.5 mg of fingolimod	
	371	Fluconazole	HPLC-UV	Human Plasma	0.1 to 13 µg / mL	Sodium heparin	150 mg	
	372	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	-	
	373	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	-	
	374	Flupenthixol	LC-MS/MS (API 3000)	Human Plasma	0.1 to 13 ng / mL	K ₂ EDTA	10 mg	
	375	Fluticasone Propionate	LC-MS/MS (Thermo)	Human Plasma	1 to 32 pg / mL	K ₂ EDTA	-	
	376	Fluticasone Propionate	LC-MS/MS (Thermo)	Human Plasma	5 to 640 pg / mL	K ₂ EDTA	-	
	377	Fluvastatin	LC-MS/MS (Thermo)	Human Plasma	2 to 512 ng / mL	K ₂ EDTA	-	
	378	Fluvoxamine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 64 ng / mL	Sodium heparin	-	
379	Fulvestrant	LC-MS/MS (Thermo)	Dog Plasma	0.5 to 40 ng / mL	Sodium heparin	50 mg		
380	Fulvestrant	LC-MS/MS (Thermo)	Human Plasma	0.05 to 40 ng / mL	K ₂ EDTA	50 mg		
Location : India								
INDIA	381	Fat analysis in food	FTIR	Human food & cucumber pulp	1 to 10 g% total fat(expressed as triglyceride) sample weigh: 0.5 g	NA	NA	Yes
	382	Febuxostat	LC-MS/MS (API 3200)	Human Plasma	10 to 8000 ng / mL	K ₂ EDTA	80 mg	
	383	Febuxostat	LC-MS/MS (API 3200)	Human Plasma	10 to 12000 ng / mL	K ₂ EDTA	120 mg	
	384	Fenofibric acid	LC-MS/MS (API 3200)	Human Plasma	0.1 to 20 µg / mL	K ₂ EDTA	135 mg	
	385	Fenofibric acid	LC-MS/MS (API 3200)	Human Plasma	0.1 to 40 µg /mL	K ₂ EDTA	267 mg	
	386	Fenspiride	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 700 ng /mL	K ₂ EDTA	80 mg	
	387	Fenspiride	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2000 ng /mL	K ₂ EDTA	80 mg (steady state)	
	388	Fesoterodine	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 3000 pg / mL	K ₂ EDTA	8 mg	
5-Hydroxymethyl Tolterodine		LC-MS/MS (Waters QPXE)	Human Plasma	20 to 10000 pg / mL	K ₂ EDTA	-		

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
389	*Fesoterodine	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	1 to 200 pg / mL	K ₂ EDTA	8 mg	
	*5-Hydroxymethyl Tolterodine	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	10 to 10000 pg / mL	K ₂ EDTA	-	
390	Finasteride	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 80 ng / mL	Heparin	5 mg	
391	Finasteride	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 30 ng / mL	Heparin	1 mg	
392	Finasteride	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	10 to 3000 pg/mL	K ₂ EDTA	0.1% Lipid Solution	
393	*Fingolimod	LC-MS/MS (API 4000)	Human Blood	25 to 3000 pg / mL	K ₂ EDTA	3 X 0.5 mg	
394	*Fingolimod Phosphate	LC-MS/MS (Waters XEVO TQ-S)	Human Blood	50 to 4000 pg / mL	K ₂ EDTA	3 X 0.5 mg of fingolimod	
395	*Fingolimod Phosphate	LC-MS/MS (Thermo)	Human Blood	75 to 4000 pg / mL	K ₂ EDTA	3 X 0.5 mg of fingolimod	
396	*Fingolimod Phosphate	LC-MS/MS (API 6500)	Human Blood	50 to 4000 pg / mL	K ₂ EDTA	3 X 0.5 mg of fingolimod	
397	Flucloxacilin	HPLC-UV	Human Plasma	0.3 to 20 µg / mL	NA	500 mg	
398	Flucloxacillin	LC-MS/MS (Waters QPXE)	Human Plasma	0.050 to 50 µg / mL	K ₂ EDTA	500 mg	
399	Flucloxacillin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 100 µg / mL	K ₂ EDTA	1 gm	
400	Fluconazole	LC-MS/MS (API 2000)	Human Plasma	50 to 10000 ng / mL	K ₂ EDTA	150 mg	
401	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	-	
402	Fluoxetine	LC-MS/MS (API 3200)	Human Plasma	2.5 to 50 ng /mL	K ₂ EDTA	40 mg	
403	Fluoxetine	LC-MS/MS (API 3200)	Human Plasma	2.5 to 100 ng /mL	K ₂ EDTA	60 mg	
404	Fluoxetine	LC-MS/MS (API 4000)	Human Plasma	0.5 to 10 ng /mL	K ₂ EDTA	10 mg	
405	*Fluticasone Propionate	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	2 to 200 pg / mL	K ₂ EDTA	500 µg	
406	Fluvastatin	LC-MS/MS (API 4000)	Human Plasma	0.5 to 500 ng / mL	Heparin	40 mg / 80 mg	

INDIA

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	407	*Fluvastatin (R & S)	LC-MS/MS (API 4000)	Human Plasma	0.5 to 200 ng / mL	Heparin	40 mg	
	408	*Fluvastatin (R & S)	LC-MS/MS (API 4000)	Human Plasma	1 to 400 ng / mL	Heparin	80 mg	
	409	Fulvestrant	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 20 ng /mL	K ₂ EDTA	250 mg	
	410	Furosemide	LC-MS/MS (API 3200)	Human Plasma	5 to 2000 ng / mL	K ₂ EDTA	40 mg	
	411	Furosemide	LC-MS/MS (API 3200)	Human Plasma	10 to 8000 ng / mL	K ₂ EDTA	80 mg	
G								
Location : Canada								
CANADA	412	Gabapentin	LC-MS/MS (API 3000)	Human Plasma	75 to 9600 ng / mL	K ₂ EDTA	600 mg	
	413	Galantamine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 63 ng / mL	K ₂ EDTA	8 mg	
	414	Ganciclovir	HPLC - Fluorescence	Human Plasma	30 to 1920 ng / mL	K ₃ EDTA	-	
	415	Gatifloxacin	HPLC - Fluorescence	Human Plasma	25 to 6400 ng / mL	K ₃ EDTA	-	
	416	Glimepiride	LC-MS/MS (API 300 or 3000)	Human Plasma	2 to 1024 ng / mL	K ₃ EDTA	4 mg	
	417	Glipizide	HPLC-UV	Human Plasma	10 to 640 ng / mL	K ₂ EDTA	-	
	418	Glipizide	LC-MS (API 150)	Human Plasma	10 to 640 ng / mL	K ₂ EDTA	-	
	419	Glipizide	LC-MS/MS (API 300 or 3000)	Human Plasma	10 to 1280 ng / mL	K ₂ EDTA	-	
	420	Glipizide	LC-MS/MS (API 3000)	Human Plasma	2.5 to 640 ng / mL	K ₂ EDTA	10 mg	
	421	Glyburide	LC-MS (API 150)	Human Plasma	2 to 128 ng / mL	K ₃ EDTA	-	
	422	Griseofulvin	LC-MS/MS (API 300 or 3000)	Human Plasma	15 to 3840 ng / mL	K ₃ EDTA	-	
	423	Granisetron	LC-MS/MS (Thermo)	Human Plasma	0.02 to 10 ng / mL	K ₂ EDTA	-	
	424	Guaifenesin	LC-MS	Human Plasma	10 to 1280 ng / mL	K ₂ EDTA	-	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
425	Guaifenesin	LC-MS/MS (Thermo)	Human Plasma	10 to 5120 ng/mL	K ₂ EDTA	-	
Location : India							
426	Gabapentin	LC-MS/MS (API 3200)	Human Plasma	50 to 7500 ng / mL	K ₂ EDTA	400 / 800 mg	
427	Gabapentin	LC-MS/MS (API 2000)	Human Plasma	150 to 10000 ng / mL	K ₂ EDTA	1200 / 800 mg	
428	Galantamine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 75 ng / mL	K ₂ EDTA	8 mg	
429	Gefitinib	LC-MS/MS (Waters QPXE)	Human Plasma	0.75 to 350 ng / mL	K ₂ EDTA	250 mg	
430	Gemcitabine	LC-MS/MS (API 3200)	Human Plasma	0.1 to 35 µg / mL	K ₂ EDTA	1000 mg / m2	
431	Gemcitabine	LC-MS/MS (API 3200)	Human Plasma	0.1 to 35 µg / mL	Sodium heparin	1000 mg / m2	
432	Gliclazide	LC-MS/MS (API 3200)	Human Plasma	0.1 to 10 µg / mL	K ₂ EDTA	80 mg	
433	Gliclazide	LC-MS/MS (API 3200)	Human Plasma	5 to 5000 ng / mL	K ₂ EDTA	60 mg	
434	Gliclazide	LC-MS/MS (API 3200)	Human Plasma	5 to 2000 ng / mL	K ₂ EDTA	30 mg	
435	Glimepiride	LC-MS/MS (API 2000)	Human Plasma	3 to 600 ng / mL	Heparin	4 mg	
436	Glimepiride	LC-MS/MS (API 3200)	Human Plasma	3 to 1200 ng/mL	K ₂ EDTA	6 mg	
437	Glipizide	LC-MS/MS (Waters QPXE)	Human Plasma	2.5 to 1000 ng / mL	K ₂ EDTA	10 mg	
438	*Glucagon	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	0.2 to 10 ng / mL	K ₂ EDTA	1 mg/vial	
439	Glucosamin	LC-MS/MS (Thermo)	Human Plasma	15 to 2000 ng / mL	K ₂ EDTA	750mg	Yes
440	*Glycopyrronium	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	5 to 400 pg / mL	K ₂ EDTA	50 mcg	
441	Guaifenesin	LC-MS/MS (API 4000)	Human Plasma	5 to 5000 ng / mL	K ₂ EDTA	1200 mg	

INDIA

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
H								
Location : Canada								
CANADA	442	Hydrocodone	LC-MS/MS (Thermo)	Human Plasma	0.4 to 51 ng / mL	K ₂ EDTA	7.5 mg / 5 mL	
	443	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	-	
	444	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	-	
	445	Hydrochlorothiazide	LC-MS (API 150)	Human Plasma	5 to 1280 ng / mL	K ₂ EDTA	12.5 mg to 25 mg	
	446	Hydromorphone	LC-MS/MS (Thermo)	Human Plasma	50 to 15000 pg / mL	K ₂ EDTA	32 mg	
447	Hydromorphone	LC-MS/MS (Thermo)	Human Plasma	0.05 to 6 ng / mL	K ₂ EDTA	16 mg		
Location : India								
INDIA	448	Haloperidol	LC-MS/MS (API 6500)	Human Plasma	5 to 2500 pg/mL	K ₂ EDTA	5 mg	Yes
	449	Hydralazine	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 125 ng / mL	K ₂ EDTA	50 mg	
	450	Hydrochlorothiazide	LC-MS/MS (API 4000)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	25 mg / 12.5 mg	
	451	Hydrochlorothiazide	LC-MS/MS (API 4000)	Human Plasma	2 to 400 ng / mL	K ₂ EDTA	50 mg	
	452	Hydrochlorothiazide	LC-MS/MS (API 3200)	Human Plasma	2 to 600 ng / mL	K ₂ EDTA	50 mg / 25 mg	
	453	Hydrochlorothiazide	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	12.5 mg / 25 mg	
		Telmisartan	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1000 ng / mL	K ₂ EDTA	80 mg	
	454	Hydrochlorothiazide	LC-MS/MS (Thermo)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	12.5 mg / 25 mg	
		Telmisartan	LC-MS/MS (Thermo)	Human Plasma	2 to 1000 ng / mL	K ₂ EDTA	80 mg	
	455	Hydrochlorothiazide	LC-MS/MS (API 4000)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	25 mg	
Olmesartan		LC-MS/MS (API 4000)	Human Plasma	2.5 to 4000 ng / mL	K ₂ EDTA	40 mg		

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	456	Hydrocortisone	LC-MS/MS (API 3200)	Human Urine	0.25 to 100 ng / mL	Not applicable	-	
	457	*Hydrocortisone	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K ₂ EDTA	20 mg	
	458	Hydroxychloroquine	LC-MS/MS (API 3200)	Human Blood	5 to 500 ng / mL	K ₂ EDTA	200 mg	
	459	5-Hydroxytryptophan	LC-MS/MS (API 4000)	Human Plasma	10 to 1000 ng / mL	K ₂ EDTA	100 mg	
I								
Location : Canada								
CANADA	460	Ibuprofen	HPLC-UV	Human Plasma	0.4 to 512 µg / mL	Sodium heparin	200 mg	
	461	Ibuprofen	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 50 µg / mL	K ₂ EDTA	600 mg	
	462	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	
	463	Imatinib	LC-MS/MS (Thermo)	Human Plasma	5 to 3500 ng / mL	K ₂ EDTA	400 mg	
	464	Indapamide	HPLC-UV	Human Whole Blood	10 to 1280 ng / mL	Heparin	-	
	465	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	-	
	466	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	-	
	467	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	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
Location : India							
468	*Ibandronate	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng / mL	Heparin	50 mg	
469	*Ibandronate	LC-MS/MS (API 4000)	Human Plasma	0.75 to 300 ng / mL	Heparin	150 mg	
470	*Ibuprofen (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 µg/ mL	Heparin	600 mg	
471	*Ibuprofen (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 µg/mL	Sodium heparin	200mg	Yes
472	Ibuprofen	HPLC-UV	Human Plasma	1 to 100 µg / mL	Heparin	800 mg	
473	Ibuprofen	LC-MS/MS (API 3200)	Human Plasma	0.1 to 40 µg / mL	Sodium heparin	200 mg	
474	Ibuprofen	LC-MS/MS (API 3200)	Human Plasma	0.1 to 90 µg/mL	K ₂ EDTA	400mg	
475	Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3500 ng / mL	K ₂ EDTA	400 mg	
476	Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 7500 ng / mL	K ₂ EDTA	400 mg (multiple dosing)	
477	Imatinib	LC-MS/MS (API 4000)	Human Plasma	2 to 800 ng / mL	K ₂ EDTA	100 mg	
478	Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 7000 ng/mL	K ₂ EDTA	400 mg single and 400mg multipal dose	Yes
479	Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3500 ng / mL	K ₂ EDTA	400 mg	
	N-Desmethyl Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K ₂ EDTA	-	
480	Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3000 ng / mL	Lithium Heparin	400 mg	
	N-Desmethyl Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 400 ng / mL	Lithium Heparin	-	
481	Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 800 ng / mL	K ₂ EDTA	100 mg	
	N-Desmethyl Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 125 ng / mL	K ₂ EDTA	-	
482	Irbesartan	LC-MS/MS (API 3200)	Human Plasma	10 to 10000 ng / mL	Sodium heparin	300 mg	

INDIA

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
INDIA	483	Iron Sucrose (Total Iron)	Vitros 5.1,FS	Human Serum	100.050 to 4504.500 µg/mL	NA	20mg/mL
	Iron Sucrose(Transferrin Bound Iron)	Vitros 5.1,FS	Human Serum	20.007 to 560.560µg/mL			
	484	Itraconazole	LC-MS/MS (Waters QPXE)	Human Serum	1 to 250 ng / mL	Heparin	100 mg
	OH-Itraconazole	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 250 ng / mL	Heparin	-	
	485	Itraconazole	LC-MS/MS (API 4000)	Human Plasma	1 to 250 ng / mL	Sodium heparin	100 mg
	Hydroxy Itraconazole	LC-MS/MS (API 4000)	Human Plasma	1 to 250 ng / mL	Sodium heparin	-	
	486	Isosorbide	LC-MS/MS (Shimadzu 8060)	Human Plasma	10 to 2000 ng / mL	K ₂ EDTA	120 mg
	487	*Isotretinoin	LC-MS/MS (API 4000)	Human Plasma	10 to 1500 ng / mL	K ₂ EDTA	40 mg
488	Isotretinoin	LC-MS/MS (Shimadzu 8060)	Human Plasma	0.5 to 1500 ng / mL	K ₂ EDTA	40 mg (fed study)	
489	*Isotretinoin	LC-MS/MS (Shimadzu 8060)	Human Plasma	0.5 to 600 ng / mL	K ₂ EDTA	40 mg (fasting study)	
K							
Location : India							
INDIA	490	Isoniazid	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 10000 ng / mL	K ₂ EDTA	300mg/200 mg/100 mg
	491	Isoniazid	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 15000 ng/mL	K ₂ EDTA	300 mg
	492	*Isotretinoin	LC-MS/MS (Waters QPXE)	Sprague Dawley Rat Skin	0.75 to 500 ng / mL	NA	NA
	493	*Isotretinoin	LC-MS/MS (Waters QPXE)	Rabbit Skin	0.75 to 500 ng / mL	NA	NA
	494	Ivabradine	LC-MS/MS (API 3200)	Human Plasma	0.1 to 100 ng / mL	K ₂ EDTA	7.5 mg
	495	3-Ketodesogestrel	LC-MS/MS (Thermo)	Human Plasma	20 to 5000 pg / mL	K ₂ EDTA	0.3 mg of desogestrel
	496	*6-Keto prostaglandin F1α	LC-MS/MS (Shimadzu 8040)	Human Urine	0.125 to 10 ng / mL	NA	NA
	497	Ketoconazole	HPLC - Fluorescence	Human Plasma	0.05 to 5 µg / mL	CPD	200 mg

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
L							
Location : Canada							
CANADA	498	Labetalol	LC-MS/MS (Thermo)	Human Plasma	5 to 1500 ng/mL	K ₂ EDTA	200 mg
	499	Lamotrigine	LC-MS/MS (Thermo)	Human Plasma	10 to 1280 ng / mL	Sodium heparin	50 mg
	500	Lansoprazole	LC-MS/MS (API 300 or	Human Plasma	2 to 4096 ng / mL	Sodium heparin	30 mg
	501	Leuprolide	LC-MS/MS (Thermo)	Human Plasma	0.025 to 13 ng / mL	K ₂ EDTA	-
	502	Letrozole	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	K ₂ EDTA	2.5 mg
	503	Levetiracetam	LC-MS (API 150)	Human Plasma	0.5 to 24 µg / mL	K ₃ EDTA	-
	504	Levetiracetam	LC-MS/MS (API 3000)	Human Plasma	0.375 to 48 µg / mL	K ₂ EDTA	1 gm
	505	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	0.25 to 64 ng / mL	Lithium heparin	-
	506	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	0.25 to 128 ng / mL	Heparin	-
	507	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	1 to 256 ng / mL	Lithium heparin	-
	508	Loperamide	LC-MS/MS (Thermo)	Human Plasma	0.05 to 6 ng / mL	K ₂ EDTA	2 mg
	509	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	-
	510	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	-	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	511	Loratadine	LC-MS/MS (API 6500)	Human Plasma	5 to 5000 pg / mL	K ₂ EDTA	5mg	
		Descarboethoxyloratadine	LC-MS/MS (API 6500)	Human Plasma	10 to 10000 pg / mL	K ₂ EDTA	-	
		Pseudoephedrine	LC-MS/MS (API 6500)	Human Plasma	2.5 to 1250 ng / mL	K ₂ EDTA	120 mg	
	512	Lormetazepam	LC-MS/MS (Thermo)	Human Plasma	0.06 to 8 ng / mL	K ₂ EDTA	-	
	513	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	-	
514	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								
INDIA	515	Lacidipine	LC-MS/MS (API 4000)	Human Plasma	0.025 to 20 ng / mL	K ₂ EDTA	4 mg / 6 mg	
	516	Lacosamide	LC-MS/MS (API 3200)	Human Plasma	25 to 10000 ng / mL	K ₂ EDTA	200 mg	
	517	Lamivudine	LC-MS/MS (API 2000)	Human Plasma	25 to 3000 ng / mL	Heparin	150 mg	
	518	Lamivudine	LC-MS/MS (Thermo)	Human Plasma	25 to 6000 ng / mL	K ₂ EDTA	300 mg	
	519	Lamivudine	LC-MS/MS (Shimadzu 8040)	Human Plasma	10 to 3000 ng / mL	K ₂ EDTA	150 mg	
		Zidovudine	LC-MS/MS (Shimadzu 8040)	Human Plasma	20 to 4000 ng / mL	K ₂ EDTA	300 mg	
	520	Lamotrigine	LC-MS/MS (API 3200)	Human Plasma	25 to 6000 ng / mL	K ₂ EDTA	200 mg	
	521	Lamotrigine	LC-MS/MS (Thermo)	Human Plasma	5 to 1500 ng/mL	K ₂ EDTA	50mg	
	522	Lansoprazole	LC-MS/MS (API 3200)	Human Plasma	10 to 2000 ng / mL	Heparin	30 mg	
	523	Lapatinib	LC-MS/MS (API 2000)	Human Plasma	15 to 6000 ng / mL	K ₂ EDTA	1250 mg	
	524	Ledipasvir	LC-MS/MS (API 4000)	Human Plasma	5 to 800 ng / mL	K ₂ EDTA	90 mg	
		Sofosbuvir	LC-MS/MS (API 4000)	Human Plasma	10 to 2000 ng / mL	K ₂ EDTA	400 mg	
525	Lenalidomide	LC-MS/MS (API 3200)	Human Plasma	1 to 600 ng / mL	K ₂ EDTA	10 mg		
526	Lenalidomide	LC-MS/MS (API 3200)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	25 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
527	Lercanidipine	LC-MS/MS (API 3200)	Human Plasma	0.025 to 12 ng / mL	Heparin	20 mg	
528	*Lercanidipine (R & S)	LC-MS/MS (Shimadzu 8040)	Human Plasma	10 to 4000 pg / mL	Sodium heparin	10 mg	
529	*Lercanidipine (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	0.05 to 12 ng / mL	Heparin	20 mg	
530	*Lercanidipine (R & S)	LC-MS/MS (Shimadzu 8060)	Human Plasma	10 to 16000 pg / mL	Sodium heparin	20 mg	
531	Letrozole	LC-MS/MS (API 3200)	Human Plasma	1 to 80 ng / mL	Heparin	2.5 mg	
532	Levetiracetam	LC-MS/MS (API 3200)	Human Plasma	0.25 to 40 µg / mL	Heparin	1000 mg	
533	Levetiracetam	LC-MS/MS (Thermo)	Human Plasma	0.25 to 25 µg / mL	Sodium heparin	750 mg	Yes
534	Levocetirizine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 500 ng / mL	K ₂ EDTA	5 mg	
535	Levodopa	LC-MS/MS (Thermo)	Human Plasma	10 to 3500 ng / mL	K ₂ EDTA	200 mg	
	Carbidopa	LC-MS/MS (Thermo)	Human Plasma	0.75 to 250 ng / mL	K ₂ EDTA	50 mg	
536	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	
537	Levodopa	LC-MS/MS (Thermo)	Human Plasma	10 to 1500 ng / mL	K ₂ EDTA	50 mg	
	Carbidopa	LC-MS/MS (Thermo)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	12.5 mg	
538	Levofloxacin	HPLC-UV	Human Plasma	0.1 to 12 µg / mL	Heparin	500 mg	
539	Levonorgestrel	LC-MS/MS (API 4000)	Human Plasma	0.2 to 75 ng / mL	K ₂ EDTA	1.5 mg	
540	Levonorgestrel	LC-MS/MS (API 3200)	Human Plasma	0.2 to 50 ng / mL	K ₂ EDTA	1.5 mg	
541	Levonorgestrel	LC-MS/MS (API 4000)	Human Plasma	0.05 to 15 ng / mL	K ₂ EDTA	0.15 mg	
542	Levonorgestrel	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 15000 pg/mL	K ₂ EDTA	-	
543	*Levothyroxin (T4)	LC-MS/MS (API 3200)	Human Serum	5 to 300 ng / mL	NA	600 mcg	
544	Linagliptin	LC-MS/MS (Waters QPXE)	Human Plasma	0.102 to 10 ng / mL	K ₂ EDTA	2.5 mg / 5 mg	
545	Linezolid	LC-MS/MS (API 3200)	Human Plasma	50 to 25000 ng / mL	K ₂ EDTA	600 mg	
546	Lisinopril	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 400 ng / mL	K ₂ EDTA	40 mg	
547	Lisinopril	LC-MS/MS (Thermo)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	10 mg	
548	Lisinopril	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	10 mg	

INDIA

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
549	Lisinopril	LC-MS/MS (Waters QPXE)	Human Plasma	0.7 to 250 ng/mL	K ₂ EDTA	20mg	
550	Lithium Carbonate	Vitros 5.1,FS	Human Serum	0.274 to 3.754 mmol/L	NA	450mg	
551	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	-	
552	Lopinavir	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	100 mg	
	Ritonavir	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 300 ng / mL	K ₂ EDTA	25 mg	
553	Lopinavir	LC-MS/MS (Waters QPXE)	Human Plasma	30 to 20000 ng / mL	K ₂ EDTA	400 mg	
	Ritonavir	LC-MS/MS (Waters QPXE)	Human Plasma	2.5 to 1600 ng / mL	K ₂ EDTA	100 mg	
554	Lornoxicam	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 2500 ng / mL	K ₂ EDTA	8 mg	
555	Loratadine	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 15 ng / mL	K ₂ EDTA	10 mg	
556	Loratadine	LC-MS/MS (API 6500)	Human Plasma	5 to 5100 pg / mL	K ₂ EDTA	5 mg	
	Desloratadine	LC-MS/MS (API 6500)	Human Plasma	25 to 10500 pg / mL	K ₂ EDTA	-	
557	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	-	
558	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	-	
559	Losartan	LC-MS/MS (API 3200)	Human Plasma	2 to 800 ng / mL	K ₂ EDTA	50 mg	
560	Losartan	LC-MS/MS (API 3200)	Human Plasma	2 to 1500 ng / mL	K ₂ EDTA	100 mg	
561	Losartan	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1500 ng / mL	K ₂ EDTA	100 mg	
	Losartan Carboxylic Acid	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2000 ng / mL	K ₂ EDTA	-	
	Hydrochlorthiazide	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	25 mg	
562	Losartan	LC-MS/MS (API 4000)	Human Plasma	2 to 800 ng / mL	K ₂ EDTA	50 mg	
	Losartan carboxylic acid	LC-MS/MS (API 4000)	Human Plasma	3 to 1200 ng / mL	K ₂ EDTA	-	
	S-amlodipine	LC-MS/MS (API 4000)	Human Plasma	0.2 to 10 ng / mL	K ₂ EDTA	5 mg	
563	*15-hydroxy lubiprostone	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	1 to 100 pg / mL	K ₂ EDTA	48 mcg of lubiprostone	

INDIA

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	564	Lumefantrine	LC-MS/MS (API 4000)	Human Plasma	50 to 20250 ng / mL	K ₂ EDTA	480 mg	
	565	Lurasidone	LC-MS/MS (API 4000)	Human Plasma	0.1 to 100 ng / mL	K ₂ EDTA	40 mg	
	566	Lurasidone	LC-MS/MS (API 3200)	Human Plasma	0.1 to 100 ng / mL	K ₂ EDTA	40 mg	
	567	Lurasidone	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 200 ng / mL	K ₂ EDTA	40 mg	
	568	*Lurasidone	LC-MS/MS (API 4000)	Human Plasma	0.2 to 100 ng / mL	K ₂ EDTA	40 mg	
		*Lurasidone 14283	LC-MS/MS (API 4000)	Human Plasma	0.1 to 30 ng / mL	K ₂ EDTA	-	
*Lurasidone 14326		LC-MS/MS (API 4000)	Human Plasma	25 to 5000 pg / mL	K ₂ EDTA	-		
M								
Location : Canada								
CANADA	569	Meclizine	LC-MS/MS (API 3000)	Human Plasma	1.01 to 256 ng / mL	K ₂ EDTA	25 mg	
	570	Mefanamic Acid	HPLC-UV	Human Plasma	50 to 6400 ng / mL	K ₂ EDTA	-	
	571	Mefanamic Acid	LC-MS/MS (API 3000)	Human Plasma	50 to 12800 ng / mL	K ₂ EDTA	250 mg	
	572	Medroxyprogesterone Acetate	LC-MS/MS (API 3000)	Human Plasma	0.02 to 10 ng / mL	Sodium heparin	-	
	573	Medroxyprogesterone Acetate	LC-MS/MS (Thermo)	Human Plasma	50 to 10000 pg/mL	Sodium heparin	150 mg	
	574	Megestrol Acetate	LC-MS/MS (Thermo)	Human Plasma	0.3 to 153.6 ng/mL	K ₂ EDTA	40 mg / mL	
	575	Meloxicam	HPLC-UV	Human Plasma or Dog Plasma	0.03 to 1.92 µg / mL	K ₂ EDTA	-	
	576	Meloxicam	LC-MS/MS (API 3000)	Human Urine	1 to 128 ng / mL	Not applicable	-	
	577	Meloxicam	LC-MS/MS (API 3000)	Human Plasma	10 to 2560 ng / mL	K ₂ EDTA	15 mg	
	578	Metaxalone	HPLC-UV	Human Plasma	1 to 256 µg / mL	Heparin	-	
	579	Metaxalone	HPLC-UV	Human Plasma	1 to 256 µg / mL	K ₃ EDTA	-	
	580	Metaxalone	LC-MS (API 150)	Human Plasma	5 to 2560 ng / mL	K ₃ EDTA	-	
	581	Methylphenidate	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng / mL	K ₂ EDTA	-	
	582	Methylphenidate Achiral	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng/mL	K ₂ EDTA	54 mg	

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
583	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	
584	Methylprednisolone	LC-MS/MS (API 3000)	Human Plasma	0.4 to 51 ng / mL	Sodium fluoride potassium oxalate	-	
585	Metoprolol	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	Sodium heparin	200 mg	
586	Metformin	LC-MS/MS (API 3000)	Human Plasma	10.01 to 2002 ng / mL	K ₂ EDTA	1000 mg	
587	Metformin	LC-MS (API 150)	Human Urine	2 to 256 µg / mL	Not applicable	1000 mg	
588	Methazolamide	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 10000 ng / mL	K ₂ EDTA	150 mg	
589	Methazolamide	LC-MS/MS (Waters QPXE)	Human Whole Blood	100 to 50000 ng / mL	K ₂ EDTA	150 mg	
590	Methazolamide	LC-MS/MS (Thermo)	Human Plasma	5 to 9800 ng/mL	K ₂ EDTA	150 mg	
591	Minocycline	LC-MS/MS (Thermo)	Human Plasma	4 to 3500 ng / mL	K ₂ EDTA	45 mg to 135 mg	
592	Mirtazapine	LC-MS/MS (API 300 or 3000)	Human Plasma	0.5 to 128 ng / mL	Sodium heparin	-	
593	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	-	
594	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		
595	Mycophenolic Acid	HPLC-UV	Human Plasma	0.1 to 51 µg / mL	K ₂ EDTA	-	
596	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	-	
597	6-Methoxy-2-Naphthaleneacetic Acid	HPLC - Fluorescence	Human Plasma	0.5 to 32 µg / mL	Heparin	-	

CANADA

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
Location : India							
598	Mebeverine acid	LC-MS/MS (Shimadzu 8060)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	135 mg of Mebeverine	
	Desmethyl Mebeverine acid	LC-MS/MS (Shimadzu 8060)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	135 mg of Mebeverine	
599	Mebeverine acid	LC-MS/MS (API 4000)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	135 mg of Mebeverine	
	Desmethyl mebeverine acid	LC-MS/MS (API 4000)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	135 mg of Mebeverine	
	Veratric acid	LC-MS/MS (API 4000)	Human Plasma	25 to 10000 ng / mL	K ₂ EDTA	135 mg of Mebeverine	
600	*Medroxy Progesterone Acetate	LC-MS/MS (Thermo)	Human Plasma	50 to 8000 pg / mL	Sodium Heparin	150 mg	
601	Mefenamic Acid	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 10000 ng/mL	K ₂ EDTA	250mg	Yes
602	Megestrol Acetate	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	160 mg	
603	Melatonin	LC-MS/MS (API 4000)	Human Plasma	25 to 10000 pg / mL	K ₂ EDTA	5 mg	
604	Melatonin	LC-MS/MS (API 6500)	Human Plasma	25 to 15000 pg/mL	K ₂ EDTA	3mg	Yes
605	Meloxicam	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 3000 ng / mL	K ₂ EDTA	15 mg	
606	Memantine	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	10 mg	
607	Memantine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 50 ng / mL	K ₂ EDTA	20 mg	
608	Memantine	LC-MS/MS (API 3200)	Human Plasma	0.5 to 50 ng / mL	K ₂ EDTA	20 mg	
609	Memantine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	28 mg	
610	*6-Mercaptopurine	LC-MS/MS (Waters QPXE)	Human Plasma	0.75 to 500 ng / mL	K ₂ EDTA	100 mg	
611	Mesalamine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 700 ng / mL	K ₂ EDTA	1000 mg	
612	Mesalamine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3000 ng / mL	K ₂ EDTA	1.2 gm	
613	Metformin	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1600 ng / mL	Sodium heparin	500 mg	
614	Metformin	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3500 ng / mL	Sodium heparin	1000 mg	
615	Metformin	LC-MS/MS (API 3200)	Human Plasma	5 to 1600 ng / mL	Sodium heparin	500mg	
616	Methazolamide	LC-MS/MS (Thermo)	Human Blood	25 to 15000 ng/mL	K ₂ EDTA	50 mg	
617	Methocarbamol	LC-MS/MS (Thermo)	Human Plasma	0.05 to 20 µg/mL	K ₂ EDTA	750mg	
618	Methotrexate	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 1500 ng / mL	K ₂ EDTA	2.5 mg multiple dose	

INDIA

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	619	*L-Methylphenidate	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 4000 pg / mL	K ₂ EDTA	54 mg	
		*D-Methylphenidate	LC-MS/MS (Waters QPXE)	Human Plasma	100 to 20000 pg / mL	K ₂ EDTA	54 mg	
	620	Methylprednisolone	LC-MS/MS (API 4000)	Human Plasma	0.4 to 50 ng/mL	Sodium fluoride and Potassium oxalate	80 mg/mL (Multi Dose Vials)	
	621	Metoprolol	LC-MS/MS (API 4000)	Human Plasma	0.3 to 50 ng /mL	Heparin	23.75 mg	
	622	Metoprolol	LC-MS/MS (API 3200)	Human Plasma	0.2 to 100 ng /mL	Heparin	47.5 / 50 mg	
	623	Metoprolol	LC-MS/MS (API 3200)	Human Plasma	0.75 to 300 ng /mL	Sodium Heparin	100 / 200 mg	
	624	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	-	
	625	Milnacipran	LC-MS/MS (Thermo)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	50 mg	
	626	Minocycline	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 3000 ng / mL	Heparin	90 mg	
	627	Minocycline	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 3500 ng /mL	K ₂ EDTA	135 mg	
	628	Minoxidil	LC-MS/MS (API 4000)	Human Serum	50 to 4000 pg / mL	NA	5% lipid solution	
	629	Mirabegron	LC-MS/MS (API 3200)	Human Plasma	0.2 to 100 ng / mL	K ₂ EDTA	50 mg	
	630	Mirabegron	LC-MS/MS (API 4000)	Human Plasma	0.1 to 75 ng / mL	K ₂ EDTA	50mg	
	631	Misoprostol Acid	LC-MS/MS (API 6500)	Human Plasma	5 to 750 pg / mL	K ₂ EDTA	0.2 mg (fed study)	
	632	*Misoprostol Acid	LC-MS/MS (API 4000)	Human Plasma	10 to 1700 pg / mL	K ₂ EDTA	0.2 mg (fasting study)	
633	Moexipril	LC-MS/MS (API 4000)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	15 mg		
634	Monomethyl Fumarate	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 6000 ng / mL	K ₂ EDTA	240 mg DMF		
635	Montelukast	LC-MS/MS (API 3200)	Human Plasma	5 to 1000 ng / mL	Heparin	10 mg		
636	Montelukast	LC-MS/MS (API 3200)	Human Plasma	5 to 500 ng / mL	Heparin	5 mg		
637	Moxifloxacin	LC-MS/MS (Waters QPXE)	Human Plasma	15 to 6000 ng / mL	Heparin	400 mg		
638	Moxifloxacin	LC-MS/MS (API 4000)	Human Plasma	15 to 6000 ng / mL	Sodium heparin	400 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	639	Mycophenolate mofetil	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 10 ng / mL	K ₂ EDTA	250 mg	
		Mycophenolic acid	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 15000 ng / mL	K ₂ EDTA	-	
	640	Mycophenolate mofetil	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 10 ng / mL	K ₂ EDTA	500 mg	
		Mycophenolic acid	LC-MS/MS (Waters QPXE)	Human Plasma	75 to 25000 ng / mL	K ₂ EDTA	-	
	641	Mycophenolic acid	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 µg / mL	K ₂ EDTA	360 mg	
	642	Mycophenolic acid	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 15000 ng / mL	K ₂ EDTA	180 mg	
	643	Mycophenolate mofetil	LC-MS/MS (Waters QPXE)	Human Plasma	0.05 to 20 ng / mL	K ₂ EDTA	1 gm	
		Mycophenolic acid	LC-MS/MS (Waters QPXE)	Human Plasma	100 to 50000 ng / mL	K ₂ EDTA	-	
N								
Location : Canada								
CANADA	644	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	-	
	645	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	-	
	646	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	-	
	647	Naproxen	HPLC - Fluorescence	Human Plasma	0.5 to 128 µg / mL	Heparin	-	
	648	Nebivolol	LC-MS/MS (API 6500)	Human Plasma	15 to 5000 pg/mL	K ₂ EDTA	5 mg	
	649	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	-	
	650	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	-	
651	Nifedipine	LC-MS (API 150)	Human Plasma	0.5 to 200 ng / mL	K ₃ EDTA	60 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	652	Nifedipine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 200 ng / mL	K ₂ EDTA	60 mg	
	653	Nintedanib	LC-MS/MS (Thermo)	Human Plasma	0.050- 20 ng/mL	K ₂ EDTA	150mg	Yes
	654	Nitrofurantoin	HPLC-UV	Human Plasma	20 to 2560 ng / mL	Sodium heparin	-	
	655	Nizatidine	HPLC-UV	Human Plasma	10 to 5120 ng / mL	Heparin	300 mg	
		Desmethylnizatidine	HPLC-UV	Human Plasma	5 to 2560 ng / mL	Heparin	-	
	656	Norfloxacin	HPLC - Fluorescence	Human Plasma	20 to 2560 ng / mL	K ₃ EDTA	-	
	657	Nortriptyline	HPLC-UV	Human Plasma	1 to 64 ng / mL	K ₃ EDTA	-	
658	Norethindrone	LC-MS/MS (Thermo)	Human Plasma	50 to 15000 pg / mL	K ₂ EDTA	0.35 mg / 1 mg		
Location : India								
INDIA	659	*Nabilone	LC-MS/MS (Thermo)	Human Plasma	40 to 5000 pg / mL	K ₂ EDTA	0.3 mg	
	660	Nadolol	LC-MS/MS (API 4000)	Human Plasma	0.25 to 45 ng / mL	K ₂ EDTA	20 mg	
	661	Nadolol	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng / mL	K ₂ EDTA	80 mg	
	662	Naltrexone	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 35500 pg / mL	Heparin	50 mg	
	663	Naltrexone	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 20 ng /mL	Heparin	50 mg	
		6 beta Naltrexol	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 200 ng / mL	Heparin	-	
	664	Naltrexone	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 50 ng /mL	Heparin	100 mg	
		6 beta Naltrexol	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 500 ng / mL	Heparin	-	
	665	Naratriptan	LC-MS/MS (API 3200)	Human Plasma	0.1 to 20 ng / mL	Heparin	2.5 mg	
	666	Naproxen	LC-MS/MS (API 2000)	Human Plasma	500 to 50000 ng /mL	K ₂ EDTA	200 mg	
	667	Naproxen	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 120 µg / mL	K ₂ EDTA	500 mg	
	668	Naproxen	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 120 µg / mL	K ₂ EDTA	500 mg	
		Esomeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1500 ng / mL	K ₂ EDTA	20 mg	
	669	Naproxen	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 120 µg / mL	K ₂ EDTA	500 mg	
		Esomeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 350 ng / mL	K ₂ EDTA	20 mg	
670	Nateglinide	LC-MS/MS (API 3200)	Human Plasma	0.1 to 10 µg / mL	K ₂ EDTA	120 mg		
671	Nebivolol	LC-MS/MS (API 4000)	Human Plasma	0.075 to 20 ng / mL	Heparin	20 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	672	Nevirapine	HPLC-UV	Human Plasma	100 to 4000 ng / mL	CPD	200 mg	
	673	*Niacin	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 2000 ng / mL	K ₂ EDTA	1000 mg / 750 mg	
	674	*Niacin	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 250 ng / mL	K ₂ EDTA	500 mg	
	675	*Niacin	LC-MS/MS (Waters QPXE)	Human Plasma	4 to 2000 ng / mL	K ₂ EDTA	1000 mg	
		*Nicotinic acid	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 1500 ng / mL	K ₂ EDTA	-	
	676	Nicorandil	LC-MS/MS (API 3200)	Human Plasma	0.5 to 500 ng / mL	K ₂ EDTA	20 mg	
	677	*Nicotine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 24 ng / mL	K ₂ EDTA	4 mg	
	678	*Nicotine	LC-MS/MS (Thermo)	Human Plasma	1 to 25 ng / mL	K ₂ EDTA	4 mg	
	679	*S-Nicotine	LC-MS/MS (Thermo)	Human Plasma	2 to 50 ng / mL	K ₂ EDTA	52.5 mg	
	680	Nifedipine	LC-MS/MS (API 2000)	Human Plasma	2.5 to 250 ng / mL	K ₂ EDTA	60 mg / 90 mg	
	681	Nimodipine	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng / mL	K ₂ EDTA	30 mg	
	682	*Nitrazepam	LC-MS/MS (API 3200)	Human Plasma	0.2 to 100 ng / mL	K ₂ EDTA	5 mg	
	683	Nitrofurantoin	LC-MS/MS (Thermo)	Human Plasma	5 to 1000 ng / mL	K ₂ EDTA	100 mg	Yes
	684	Nizatidine	HPLC-UV	Human Plasma	20 to 4000 ng / mL	K ₂ EDTA / Heparin	300 mg	
	685	Nomegestrol Acetate	LC-MS/MS (Shimadzu 8040)	Human Plasma	0.1 to 20 ng / mL	K ₃ EDTA	2.5 mg	
	686	19-Norethindrone	LC-MS/MS (API 4000)	Human Plasma	0.25 to 50 ng / mL	K ₂ EDTA	5 mg	
	687	19-Norethindrone	LC-MS/MS (Thermo)	Human Plasma	0.075 to 15 ng / mL	K ₂ EDTA	1 mg	
	688	19-Norethindrone	LC-MS/MS (Thermo)	Human Plasma	50 to 15000 pg / mL	K ₂ EDTA	0.35 mg	
	689	Nortriptyline	LC-MS/MS (Thermo)	Human Plasma	0.1 to 75 ng / mL	K ₂ EDTA	50 mg	
690	Nortriptyline	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 20 ng / mL	K ₂ EDTA	25 mg		
O								
CANADA	Location : Canada							
	691	Olanzapine	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	10 mg	
	692	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		

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
693	Omeprazole	LC-MS/MS (API 3000)	Human Plasma	1 to 1024 ng / mL	Sodium heparin	-	
694	Omeprazole	LC-MS/MS (Thermo)	Human Plasma	5 to 3450 ng / mL	K ₂ EDTA	40 mg	
695	Ondansetron	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	Lithium heparin	8 mg	
696	Oxcarbazepine	LC-MS/MS (API 3000)	Human Plasma	0.01 to 10 µg / mL	K ₂ EDTA	300 mg/ 5 mL	
697	10,11-dihydro-10-Hydroxycarbamazepine	LC-MS/MS (API 3000)	Human Plasma	0.05 to 51.2 µg / mL	K ₂ EDTA	-	
698	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	-	
699	Oxycodone	LC-MS/MS (Thermo)	Human Plasma	0.1 to 60 ng / mL	K ₂ EDTA	5 mg	
700	Oxycodone	LC-MS/MS (Thermo)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	80 mg	
701	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	-	
702	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	-	
703	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	-	
704	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	-	
705	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	-	
706	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	
707	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	

CANADA

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
Location : India							
708	*Orlistate (Fat analysis)	FT-IR	Human Fecal/ Human Food	0.25 to 10 g %	NA	60 mg / 120 mg	
709	Oglimitast (GRC 3886)	LC-MS/MS (API 4000)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	200 mg	
	Oglimitast N-Oxide (GRC 3886 N-Oxide)	LC-MS/MS (API 4000)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	-	
710	Olanzapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 ng / mL	Sodium heparin	5 mg	
711	Olanzapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 45 ng / mL	Sodium Heparin	10 mg	
712	Olmesartan	LC-MS/MS (API 3200)	Human Plasma	2.5 to 2200 ng / mL	K ₂ EDTA	40 mg	
713	Olmesartan	LC-MS/MS (API 3200)	Human Plasma	2.5 to 1500 ng / mL	K ₂ EDTA	20 mg	
714	Olmesartan	LC-MS/MS (API 3200)	Human Plasma	0.25 to 500 ng / mL	K ₂ EDTA	5 mg	
715	Omeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	10 mg	
716	Omeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1500 ng / mL	K ₂ EDTA	20 mg	
717	Omeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3500 ng / mL	K ₂ EDTA	40 mg	
718	Ondansetron	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 50 ng / mL	Heparin	8 mg	
719	Ondansetron	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 100 ng / mL	K ₂ EDTA	8 mg	
720	O-Desmethyl Venlafaxine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 350 ng / mL	K ₂ EDTA	50 mg	
721	O-Desmethyl Venlafaxine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 600 ng / mL	K ₂ EDTA	100 mg	
722	Ospemifene	LC-MS/MS (Waters QPXE)	Human Serum	3 to 2400 ng / mL	NA	60 mg	
723	*Oxazepam	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	50 mg	
724	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	-	
725	*Oxybutynin (S & R)	LC-MS/MS (API 4000)	Human Plasma	25 to 7500 pg / mL	K ₂ EDTA	5 mg	
726	Oxybutynin	LC-MS/MS (Waters QPXE)	Human Plasma	0.07 to 15 ng / mL	K ₂ EDTA	5 mg	
	N-Desethyl Oxybutynin	LC-MS/MS (Waters QPXE)	Human Plasma	0.38 to 75 ng / mL	K ₂ EDTA	-	
727	Oxybutynin	LC-MS/MS (Waters QPXE)	Human Plasma	0.08 to 15 ng / mL	K ₂ EDTA	15 mg	
	N-Desethyl Oxybutynin	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 75 ng / mL	K ₂ EDTA	-	

INDIA

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
P								
Location : Canada								
CANADA	728	Pantoprazole	LC-MS/MS (API 3000)	Human Plasma	20 to 5120 ng / mL	K ₂ EDTA	40 mg	
	729	Paroxetine	HPLC - Fluorescence	Human Plasma	0.2 to 50 ng / mL	Sodium heparin	-	
	730	Paroxetine	HPLC - Fluorescence	Human Plasma	1.6 to 200 ng / mL	Sodium heparin	-	
	731	Pentoxifylline	HPLC-UV	Human Plasma	5 to 240 ng / mL	K ₃ EDTA	-	
	732	Pergolide	LC-MS/MS (API 3000)	Human Plasma	0.2 to 1.28 ng / mL	Heparin	-	
	733	Phenylephrine (Total)	LC-MS/MS (Thermo)	Human Plasma	4 to 512 ng / mL	K ₂ EDTA	10 mg	
	734	Phenytoin	HPLC-UV	Human Plasma	0.04 to 2.56 µg / mL	K ₃ EDTA	-	
	735	Pramipexole	LC-MS/MS (Thermo)	Human Plasma	50 to 3200 pg / mL	K ₂ EDTA	-	
	736	*Prasugrel active metabolite (R-138727)	LC-MS/MS (Thermo)	Human Plasma	0.2 to 150 ng / mL	K ₂ EDTA	10 mg of Prasugrel	
	737	*Prasugrel inactive metabolite (R-95913)	LC-MS/MS (Thermo)	Human Plasma	0.25 to 127 ng / mL	K ₂ EDTA	10 mg of Prasugrel	
	738	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	-	
	739	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	-	
	740	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	-	
741	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	-		
742	Progesterone	LC-MS/MS (API 6500)	Human Plasma	0.04 to 40 pg/mL	K ₂ EDTA	200 mg (Fasting)		
Location : India								
INDIA	743	Paclitaxel (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 4500 ng / mL	Heparin	175 mg	
	744	Paclitaxel (Total)	LC-MS/MS (Waters QPXE)	Human Whole Blood	50 to 30000 ng / mL	Heparin	220 mg / m ² (IV)	
	745	*Paclitaxel (Free)	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2000 ng / mL	Heparin	220 mg / m ² (IV)	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
746	Paclitaxel (Total)	LC-MS/MS (API 6500)	Cynomolgus Monkey Plasma	25 to 25000ng / mL	K ₂ EDTA	100 mg	
747	Paclitaxel (Free)	LC-MS/MS (API 6500)	Cynomolgus Monkey Plasma	10 to 5000 ng / mL	K ₂ EDTA	21.7 (mg/kg)	
748	Paclitaxel (Total)	LC-MS/MS (API 6500)	Cynomolgus Monkey Blood	25 to 25000 ng / mL	K ₂ EDTA	-	
749	*Paricalcitol	LC-MS/MS (Waters XEVO TQ-S)	Wistar Rat Plasma	50 to 30500 pg / mL	Sodium heparin	Multiple dose	
750	Paliperidone	LC-MS/MS (API 3200)	Human Plasma	0.5 to 40 ng / mL	K ₂ EDTA	6 mg	
751	Paracetamol	LC-MS/MS (API 3200)	Human Plasma	50 to 10000 ng / mL	K ₂ EDTA	300 mg / 500 mg	
752	Pantoprazole	LC-MS/MS (API 3200)	Human Plasma	2 to 5000 ng / mL	Heparin	40 mg	
753	Penicillin V	HPLC-UV	Human Plasma	0.1 to 4 µg / mL	Heparin	250 mg	
754	Perampanel	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 700 ng / mL	K ₂ EDTA	12 mg	
755	Perphenazine	LC-MS/MS (Waters QPXE)	Human Plasma	15 to 2500 pg / mL	K ₂ EDTA	16 mg	
756	Phenytoin	LC-MS/MS (API 3200)	Human Plasma	10 to 10000 ng / mL	K ₂ EDTA	300mg (3X100mg)	
757	Phenyl butyrate	LC-MS/MS (API 3200)	Human Plasma	0.1 to 50 µg / mL	K ₂ EDTA	500 mg	
758	*Phytonadione (Vitamin K1) (Trans)	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	0.4 to 100 ng / mL	K ₂ EDTA	5 mg (fasting study)	
	*Phytonadione (Vitamin K1) (Cis)	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	0.3 to 25 ng / mL	K ₂ EDTA	5 mg (fasting study)	
759	*Phytonadione (Vitamin K1) (Trans)	LC-MS/MS (API 6500)	Human Plasma	1 to 500 ng / mL	K ₂ EDTA	5 mg (fed study)	
	*Phytonadione (Vitamin K1) (Cis)	LC-MS/MS (API 6500)	Human Plasma	1 to 100 ng / mL	K ₂ EDTA	5 mg (fed study)	
760	*Pilocarpine	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 50 ng / mL	K ₂ EDTA	5 mg	
	*Pilocarpic Acid	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 30 ng / mL	K ₂ EDTA	-	
761	Pioglitazone	LC-MS/MS (API 2000)	Human Plasma	10 to 2500 ng / mL	Heparin	45 mg	
762	Pioglitazone	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 2500 ng / mL	Heparin	45 mg	

INDIA

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
763	Pioglitazone	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2800 ng / mL	Sodium Heparin	45 mg	
	Hydroxy Pioglitazone	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1500 ng / mL	Sodium Heparin	-	
764	Pioglitazone	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1000 ng / mL	Heparin	20 mg	
	Keto Pioglitazone	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 200 ng / mL	Heparin	-	
	Hydroxy Pioglitazone	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 200 ng / mL	Heparin	-	
	Metformin	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 3000 ng / mL	Heparin	850 mg	
765	Pirfenidone	LC-MS/MS (Thermo)	Human Plasma	50 to 20000 ng / mL	K ₂ EDTA	3 X 267 mg	
766	Piroxicam	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 4000 ng / mL	K ₂ EDTA	20 mg	
767	Potassium Chloride	Vitros 5.1,FS	Human Urine	2.041 to 150.358 mEq/L	NA	80mEq	
768	Potassium Citrate (Analyte - Potassium)	Vitros 5.1,FS	Human Urine	2 to 150 mmol/L	NA	60 mEq (4 X 15 mEq)	
769	Pomalidomide	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 125 ng / mL	K ₂ EDTA	4 mg	
770	Pramipexole	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	10 to 1000 pg / mL	K ₂ EDTA	0.25 mg	
771	*Prasugrel active metabolite (R-138727)	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 150 ng / mL	K ₂ EDTA	10 mg of Prasugrel	
772	*Prasugrel active metabolite (R-138727)	LC-MS/MS (API 4000)	Human Plasma	0.2 to 150 ng / mL	K ₂ EDTA	10 mg of Prasugrel	
773	*Prasugrel active metabolite (R-138727)	LC-MS/MS (Thermo)	Human Plasma	0.2 to 150 ng/mL	K ₂ EDTA	10 mg of Prasugrel	
774	*Prasugrel inactive metabolite (R-95913)	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 100 ng / mL	K ₂ EDTA	10 mg of Prasugrel	
775	*Prasugrel inactive metabolite (R-95913)	LC-MS/MS (API 4000)	Human Plasma	0.25 to 150 ng / mL	K ₂ EDTA	10 mg of Prasugrel	
776	Pravastatin	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 600 ng / mL	K ₂ EDTA	40 mg/ 80 mg	
	3- α -Hydroxy Pravastatin	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 400 ng / mL	K ₂ EDTA	-	
777	Pravastatin	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 600 ng / mL	K ₃ EDTA	40 mg/ 80 mg	
	3- α -Hydroxy Pravastatin	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 400 ng / mL	K ₃ EDTA	-	
778	Pravastatin	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 600 ng / mL	K ₂ EDTA	40 mg/ 80 mg	
779	Prednisolone	LC-MS/MS (API 3200)	Human Plasma	2 to 1000 ng / mL	K ₂ EDTA	25 mg	
780	Prednisolone	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	5 mg	
781	Pregabalin	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 15000 ng / mL	K ₂ EDTA	300 mg	
782	Pregabalin	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 2500 ng / mL	K ₂ EDTA	50 mg	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	783	Pregabalin	LC-MS/MS (Shimadzu 8040)	Human Plasma	20 to 5000 ng / mL	K ₂ EDTA	75 mg	
	784	Prochlorperazine	LC-MS/MS (API 4000)	Human Plasma	5 to 300 pg / mL	Heparin	5 mg	
	785	Prochlorperazine	LC-MS/MS (Shimadzu 8060)	Human Plasma	2 to 300 pg / mL	Sodium heparin	3 mg	
	786	prochlorperazine	LC-MS/MS (Shimadzu 8060)	Human Plasma	2 to 700 pg / mL	Sodium heparin	3 mg (buccal tablet)	
	787	*Progesterone	LC-MS/MS (Thermo)	Human Plasma	0.04 to 40 ng / mL	K ₂ EDTA	200 mg (fasting)	
	788	*Progesterone	LC-MS/MS (Waters QPXE)	Human Plasma	0.15 to 150 ng / mL	K ₂ EDTA	200 mg (fed)	
	789	*Progesterone	LC-MS/MS (Thermo)	Human Plasma	25 to 15000 pg / mL	K ₂ EDTA	100 mg	
	790	Proguanil	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 200 ng / mL	K ₂ EDTA	100 mg	
	791	Propafenone	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 500 ng / mL	K ₂ EDTA	300 mg	
		5-Hydroxy Propafenone	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 400 ng / mL	K ₂ EDTA	-	
	792	Propafenone	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	300 mg / 500 mg	
	793	S-Propranolol (Total)	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng / mL	K ₂ EDTA	40 mg	
	794	Propylthiouracil	LC-MS/MS (Waters QPXE)	Human Plasma	7.5 to 4000 ng / mL	K ₂ EDTA	50 mg	
	795	Pseudoephedrine	LC-MS/MS (API 3200)	Human Plasma	2 to 400 ng / mL	Heparin	30 mg	
	796	Pyrazinamide	LC-MS/MS (Waters QPXE)	Human Plasma	75 to 30000 ng/mL	K ₂ EDTA	600 mg	
797	2-Pyridylacetic acid	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 800 ng / mL	K ₂ EDTA	16 mg of Betahistine		
Q								
CANADA	Location : Canada							
	798	Quetiapine	LC-MS/MS (Thermo)	Human Plasma	1 to 1024 ng / mL	K ₂ EDTA	200 mg	
799	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	20 mg		
INDIA	Location : India							
	800	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 200 ng / mL	Heparin	25 mg	
N-desalkyl Quetiapine		LC-MS/MS (Waters QPXE)	Human Plasma	0.08 to 20 ng / mL	Heparin	-		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
INDIA	801	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	-
	802	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 350 ng / mL	Heparin	25 mg / 50 mg
	803	Quetiapine	LC-MS/MS (API 2000)	Human Plasma	2 to 400 ng / mL	K ₂ EDTA	50 mg
	804	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	-
	805	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	Sodium heparin	150 mg / 200 mg
	806	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	150 mg / 200 mg
	807	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	-
	808	Quetiapine	LC-MS/MS (API 3200)	Human Plasma	20 to 2500 ng / mL	Sodium heparin	300 /400 mg
	809	Quinapril	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 500 ng / mL	K ₃ EDTA	10 mg
810	Quinine	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 5000 ng /mL	K ₂ EDTA	300 mg	
R							
Location : Canada							
CANADA	811	Rabeprazole	LC-MS/MS (API 3000)	Human Plasma	2 to 1024 ng / mL	K ₂ EDTA	20 mg
	812	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	-
	813	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	-
	814	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	-
	815	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	-	
816	Ranitidine	LC-MS/MS (Thermo)	Human Plasma	15 to 1920 ng / mL	K ₂ EDTA	300 mg	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	817	Rifabutin	LC-MS (API 150)	Human Plasma	10 to 1280 ng / mL	K ₂ EDTA	-	
		25-O-Desacetylriofabutin	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	-	
	818	Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	35 mg	
	819	Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.2 to 128 ng / mL	K ₂ EDTA	75 mg	
	820	Rivastigmine	LC-MS/MS (Thermo)	Human Plasma	0.3 to 63 ng / mL	K ₂ EDTA	Transdermal Patch 9.5 mg	
	821	Rosiglitazone	LC-MS/MS (API 3000)	Human Plasma	2 to 1024 ng / mL	Sodium heparin	8 mg	
	822	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.1 to 25 ng / mL	K ₂ EDTA	20 mg	
823	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	40 mg		
Location : India								
INDIA	824	Rabeprazole	LC-MS/MS (API 3200)	Human Plasma	5 to 1000 ng / mL	K ₃ EDTA/ Heparin	20 mg	
	825	Rabeprazole	LC-MS/MS (API 4000)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	10 / 20 mg	
	826	Rabeprazole	LC-MS/MS (API 3200)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	10 / 20 mg	
	827	*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	-	
	828	*Raloxifene	LC-MS/MS (Thermo)	Human Plasma	20 to 1000 pg / mL	Heparin	60 mg	
		*Raloxifene 4-glucuronide	LC-MS/MS (Thermo)	Human Plasma	0.6 to 400 ng / mL	Heparin	-	
		*Raloxifene 6-glucuronide	LC-MS/MS (Thermo)	Human Plasma	0.35 to 100 ng / mL	Heparin	-	
	829	Ramipril	LC-MS/MS (API 4000)	Human Plasma	0.2 to 100 ng / mL	Sodium heparin	10 mg	
		Ramiprilat	LC-MS/MS (API 4000)	Human Plasma	0.5 to 50 ng / mL	Sodium heparin	-	
	830	*Ramipril	LC-MS/MS (API 3200)	Human Plasma	0.2 to 150 ng / mL	Heparin	15 mg	
	831	*Ramipril	LC-MS/MS (API 3200)	Human Plasma	0.05 to 40 ng / mL	Heparin	2.5 mg / 5 mg	
	832	Ramipril	LC-MS/MS (API 3200)	Human Plasma	0.2 to 100 ng/mL	Sodium heparin	10mg	Yes
	833	Ranolazine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2500 ng / mL	K ₂ EDTA	1000 mg	
834	Ranolazine	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng/mL	K ₂ EDTA	1000 mg		
835	Ranitidine	LC-MS/MS (API 2000)	Human Plasma	10 to 2000 ng / mL	Heparin	150 / 300 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
836	Ranitidine	HPLC-UV	Human Plasma	25 to 1500 ng / mL	K ₂ EDTA / Heparin	300 mg	
837	Ranitidine	LC-MS/MS (API 2000)	Human Plasma	5 to 600 ng / mL	K ₂ EDTA / Heparin	75 mg	
838	Rasagiline	LC-MS/MS (Waters QPXE)	Human Plasma	40 to 14000 pg / mL	K ₂ EDTA	1 mg (Fasting study)	
839	Rasagiline	LC-MS/MS (Waters QPXE)	Human Plasma	40 to 6000 pg/mL	K ₂ EDTA	1 mg (Fed study)	
840	Repaglinide	LC-MS/MS (API 3200)	Human Plasma	0.25 to 30 ng / mL	K ₂ EDTA	2 mg	
841	Rifampicin	LC-MS/MS (API 4000)	Human Plasma	200 to 15000ng / mL	K ₂ EDTA	150mg	
	Desacetyl Rifampicin	LC-MS/MS (API 4000)	Human Plasma	10 to 2000ng / mL	K ₂ EDTA	150mg	
842	Rifampicin	LC-MS/MS (API 4000)	Human Plasma	75 to 15000 ng /mL	K ₂ EDTA	150mg/300mg	Yes
	25 Desacetyl Rifampicin	LC-MS/MS (API 4000)	Human Plasma	10 to 4000 ng /mL	K ₂ EDTA	NA	Yes
843	Rifaximin	LC-MS/MS (Thermo)	Human Plasma	25 to 15000 pg / mL	K ₂ EDTA	550 mg	
844	Rifaximin	LC-MS/MS (Thermo)	Human Plasma	0.05 to 100 ng / mL	K ₂ EDTA	550 mg	
845	Rifaximin	LC-MS/MS (API 6500)	Human Plasma	5 to 1500 pg/mL	K ₂ EDTA	200 mg	
846	Rilpivirine	LC-MS/MS (Shimadzu 8060)	Human Plasma	0.5 to 300 ng/mL	K ₂ EDTA	25mg	Yes
847	Rivaroxaban	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 600 ng / mL	K ₂ EDTA	10 mg / 20 mg	
848	*Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.1 to 80 ng / mL	Heparin	35 mg	
849	*Risedronate	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	30 to 80000 pg / mL	Sodium heparin	35 mg	
850	*Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.5 to 160 ng / mL	Heparin	75 mg	
851	*Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.5 to 250 ng / mL	Heparin	150 mg	
852	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	-	
853	Rizatriptan	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 60 ng / mL	K ₂ EDTA	10 mg	
854	Rupatadine	LC-MS/MS (API 3200)	Human Plasma	0.05 to 10 ng / mL	K ₂ EDTA	10 mg	
855	Ropinirole	LC-MS/MS (API 3200)	Human Plasma	0.05 to 10 ng / mL	K ₂ EDTA	2 mg	
856	Ropinirole	LC-MS/MS (API 4000)	Human Plasma	10 to 3000 pg / mL	K ₂ EDTA	0.25 mg	
857	Rosiglitazone	LC-MS/MS (API 2000)	Human Plasma	15 to 900 ng / mL	K ₂ EDTA	8 mg	

INDIA

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	858	Rosiglitazone	LC-MS/MS (API 2000)	Human Plasma	5 to 500 ng / mL	K ₂ EDTA	4 mg	
	859	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K ₂ EDTA	5 mg / 10 mg	
	860	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.15 to 60 ng / mL	K ₂ EDTA	20 mg	
	861	Rosuvastatin	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	40 mg	
	862	Roxithromycin	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 13500 ng / mL	K ₂ EDTA	150 mg	
S								
Location : Canada								
CANADA	863	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	-	
	864	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	-	
	865	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	-	
	866	Sirolimus	LC-MS/MS (API 3000)	Human Whole Blood	0.4 to 51 ng / mL	K ₂ EDTA	2 mg	
	867	Sitagliptin	LC-MS/MS (Thermo)	Human Plasma	1 to 512 ng / mL	K ₂ EDTA	100 mg	
	868	Sotalol	HPLC - Fluorescence	Human Plasma	10 to 2560 ng / mL	heparin	-	
	869	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	
	870	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	-	
	871	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	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
CANADA	872	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	-
873	Sumatriptan	LC-MS/MS (API 300 or 3000)	Human Plasma or Pig Plasma	0.5 to 128 ng / mL	K ₃ EDTA	-	
Location : India							
INDIA	874	*Salmeterol	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	2 to 200 pg / mL	K ₂ EDTA	50 mcg
	875	*Sapropterin	LC-MS/MS (Thermo)	Human Plasma	1.5 to 250 ng / mL	Sodium heparin	10 mg / kg
	876	Secnidazole	LC-MS/MS (API 3200)	Human Plasma	0.2 to 40 µg / mL	K ₂ EDTA	1 gm
	877	Sertraline	LC-MS/MS (API 3200)	Human Plasma	1 to 100 ng / mL	Sodium Heparin	100 mg
	878	Sertraline	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 40 ng / mL	Heparin	50 mg
	879	Sibutramine	LC-MS/MS (Waters QPXE)	Human Plasma	100 to 20000 pg / mL	Heparin / K ₂ EDTA	15 mg
		Desmethyl Sibutramine	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 10800 pg / mL	Heparin / K ₂ EDTA	-
		Didesmethyl Sibutramine	LC-MS/MS (Waters QPXE)	Human Plasma	75 to 15000 pg / mL	Heparin / K ₂ EDTA	-
	880	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	-
	881	Sildenafil	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng / mL	K ₂ EDTA	20 mg
		Desmethyl Sildenafil	LC-MS/MS (API 3200)	Human Plasma	0.5 to 75 ng / mL	K ₂ EDTA	-
	882	Simvastatin	LC-MS/MS (API 4000)	Human Plasma	0.2 to 100 ng / mL	Heparin	80 mg
		Simvastatin acid	LC-MS/MS (API 4000)	Human Plasma	0.2 to 50 ng / mL	Heparin	-
	883	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	-	
884	Simvastatin	LC-MS/MS (Thermo)	Human Plasma	30 to 15000 pg / mL	Sodium heparin	10 mg	
885	Sirolimus	LC-MS/MS (Waters QPXE)	Human Blood	0.15 to 25 ng / mL	K ₂ EDTA	2 mg	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	886	Sirolimus	LC-MS/MS (Waters XEVO TQ-S)	Human Blood	40 to 12000 pg / mL	K ₂ EDTA	0.5 mg	
	887	Solifenacin	LC-MS/MS (API 3200)	Human Plasma	0.5 to 25 ng / mL	K ₂ EDTA	10 mg	
	888	Spironolactone	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	-	
	889	Spironolactone	LC-MS/MS (API 4000)	Human Plasma	0.1 to 75 ng / mL	K ₂ EDTA	25 mg	
	890	Spironolactone	LC-MS/MS (API 3200)	Human Plasma	0.75 to 300 ng/mL	K ₂ EDTA	100mg	Yes
	891	Sulfamethoxazole	LC-MS/MS (Waters QPXE)	Human Plasma	100 to 90000 ng / mL	K ₂ EDTA	800 mg	
		Trimethoprim	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	160 mg	
	892	Sumatriptan	LC-MS/MS (API 2000)	Human Plasma	1 to 100 ng / mL	Heparin	100 mg	
893	Sunitinib	LC-MS/MS (API 3200)	Human Plasma	0.5 to 50 ng/mL	Sodium heparin	50mg		
T								
Location : Canada								
CANADA	894	Tacrolimus	LC-MS/MS (Thermo)	Human Whole Blood	0.2 to 25 ng / mL	K ₂ EDTA	0.5 to 4 mg	
	895	Tamoxifen	LC-MS/MS (API 3000)	Human Plasma	0.25 to 64 ng / mL	K ₂ EDTA	20 mg	
	896	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	-	
	897	Tamsulosin	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K ₂ EDTA	-	
	898	Temazepam	LC-MS/MS (API 3000)	Human Plasma	4 to 1024 ng / mL	K ₂ EDTA	30 mg	
	899	Terazosin	HPLC - Fluorescence	Human Plasma	0.5 to 64 ng / mL	Heparin	-	
	900	Terbinafine	HPLC-UV	Human Plasma	0.01 to 2.5 µg / mL	K ₃ EDTA	250 mg	
	901	Testosterone	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 ng / mL	K ₂ EDTA	1% gel	
	902	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	-	
903	Tetracycline	LC-MS/MS (Thermo)	Human Plasma	200 to 20000 ng / mL	K ₂ EDTA	500 mg		
904	Theophylline	HPLC-UV	Human Plasma	0.15 to 19 µg / mL	K ₃ EDTA	-		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
905	Ticlopidine	HPLC-UV	Human Plasma	10 to 1280 ng / mL	K ₃ EDTA	-	
906	Tofacitinib	LC-MS/MS (Thermo)	Human Plasma	0.2 - 100 ng/mL	K ₂ EDTA	11mg	Yes
907	Topiramate	LC-MS/MS (API 3000)	Human Plasma or Dog Plasma	5 to 2560 ng / mL	Sodium heparin	50 mg	
908	Topiramate	LC-MS/MS (API 3000)	Human Plasma	50 to 12800 ng / mL	Sodium heparin	200 mg	
909	Torsemide	LC-MS/MS (API 300 or 3000)	Human Plasma	10 to 10240 ng / mL	K ₃ EDTA	-	
910	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	-	
911	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	-	
912	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	-	
913	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	-	
914	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	-	
915	Tramadol	LC-MS/MS (Thermo)	Human Plasma	2 to 500 ng/mL	K ₂ EDTA	100 mg	

CANADA

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	916	Trazodone	HPLC - Fluorescence	Human Plasma	10 to 2560 ng / mL	Heparin	-	
	917	Triamcinolone acetonide	LC-MS/MS (Thermo)	Human Plasma	0.025 to 6.4 ng/mL	K ₂ EDTA	10 mg/mL	
	918	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								
INDIA	919	Tacrolimus	LC-MS/MS (Thermo)	Human Whole Blood	40 to 12000 pg / mL	K ₂ EDTA	0.5 mg	
	920	Tacrolimus	LC-MS/MS (Waters QPXE)	Human Blood	40 to 12000 pg / mL	K ₂ EDTA	0.5 mg / 1 mg	
	921	Tacrolimus	LC-MS/MS (Waters QPXE)	Human Blood	0.25 to 100 ng / mL	K ₂ EDTA	5 mg	
	922	*Tacrolimus	LC-MS/MS (Shimadzu 8060)	Human Blood	5 to 500 pg / mL	K ₂ EDTA	0.1 % gel	
	923	Tacrolimus	LC-MS/MS (Thermo)	Human Blood	40 to 12000 pg/mL	K ₂ EDTA	1 mg	
	924	Tadalafil	LC-MS/MS (Waters QPXE)	Human Plasma	4 to 1000 ng / mL	K ₂ EDTA	20 mg	
	925	Tadalafil	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K ₂ EDTA	10 mg	
	926	Tadalafil	LC-MS/MS (Shimadzu 8040)	Human Plasma	1 to 200 ng / mL	K ₂ EDTA	5 mg	
	927	Tamsulosin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 ng / mL	K ₂ EDTA	0.4 mg	
	928	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	
	929	*Teicoplanin components (A2-1, A2-2, A2-3, A2-4, and A2-5)	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 250 µg/ mL	K ₂ EDTA	400 mg injection	
	930	*Teicoplanin component (A 3)	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 250 µg/ mL	K ₂ EDTA	400 mg injection	
	931	Telmisartan	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	80 mg	
	932	*Temozolomide	LC-MS/MS (Waters QPXE)	Human Plasma	100 to 20000 ng / mL	Heparin	250 mg	
	933	*Temozolomide Metabolite (MTIC)	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 600 ng /mL	Heparin	250 mg of Temozolamide	
	934	Tenofovir	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 800 ng / mL	K ₂ EDTA	245 mg	
	935	Tenofovir	LC-MS/MS (Waters QPXE)	Human Serum	3 to 800 ng / mL	NA	245 mg	
	936	Tenofovir	LC-MS/MS (API 4000)	Human Plasma	2 to 800 ng / mL	K ₂ EDTA	245 mg	
937	Tenoxicam	HPLC-UV	Human Plasma	0.05 to 5 µg / mL	K ₂ EDTA / Heparin	20 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
938	Tenoxicam	HPLC-UV	Human Plasma	0.05 to 5 µg / mL	K ₂ EDTA / Heparin	20 mg	
939	*Tetranor-PGEM	LC-MS/MS (API 4000)	Human Urine	1 to 50 ng / mL	NA	NA	
940	Terbinafine	LC-MS/MS (API 2000)	Human Plasma	5 to 3000 ng / mL	K ₂ EDTA	250 mg	
941	Teriflunomide	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 4000 ng / mL	K ₂ EDTA	14 mg	
942	Testosterone	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	1 % gel	
943	Tetrabenazine	LC-MS/MS (API 6500)	Human Plasma	5 to 2500 pg / mL	K ₂ EDTA	25 mg	
	dihydro Tetrabenazine	LC-MS/MS (API 6500)	Human Plasma	0.2 to 100 ng / mL	K ₂ EDTA	-	
944	Thalidomide (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 600 ng / mL	K ₂ EDTA	50 mg	
945	Thiorphan	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 160 ng / mL	K ₂ EDTA	30 mg of Racecadotril	
946	*Thromboxane B2	LC-MS/MS (Shimadzu 8040)	Human Urine	0.2 to 20 ng / mL	Not applicable	NA	
947	Ticagrelor	LC-MS/MS (Waters QPXE)	Human Plasma	2.5 to 1500 ng / mL	K ₂ EDTA	90 mg	
	Deshydroxyethoxy ticagrelor	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	-	
948	Tofacitinib	LC-MS/MS (API 4000)	Human Plasma	0.2 to 100 ng / mL	K ₂ EDTA	5 mg	
949	Tolterodine	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 10000 pg / mL	Sodium heparin	4mg	
950	Tolterodine	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	20 to 10000 pg / mL	Sodium heparin	4 mg	
951	Tolterodine	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 30000 pg / mL	Sodium heparin	4 mg (steady state)	
952	Tolterodine	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 13000 pg / mL	Heparin	4 mg	
	5-Hydroxymethyl tolterodine	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 10000 pg / mL	Heparin	-	
953	Tolterodine	LC-MS/MS (API 4000)	Human Plasma	20 to 7500 pg / mL	Heparin	2mg	
	5-hydroxymethyl Tolterodine	LC-MS/MS (API 4000)	Human Plasma	10 to 7520 pg / mL	Heparin	-	
954	Tolterodine	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 5000 pg / mL	Heparin	2 mg	
	5-hydroxymethyl Tolterodine	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 pg / mL	Heparin	-	
955	Tolvaptan	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 600 ng / mL	K ₂ EDTA	30 mg	
956	Topiramate	LC-MS/MS (API 3200)	Human Plasma	50 to 4000 ng / mL	Heparin	50 / 100 mg	
957	Topiramate	LC-MS/MS (API 3200)	Human Plasma	10 to 600 ng / mL	Heparin	25 mg	
958	Topiramate	LC-MS/MS (API 3200)	Human Plasma	50 to 7000 ng / mL	Sodium heparin	200 mg	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	959	Torsemide	LC-MS/MS (API 3200)	Human Plasma	10 to 6000 ng / mL	K ₂ EDTA	10 mg / 20 mg	
	960	Tramadol	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	Heparin	37.5 mg / 50 mg	
	961	Tramadol	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 400 ng / mL	Sodium heparin	37.5 mg / 50 mg	
		O-desmethyl tramadol	LC-MS/MS (Waters QPXE)	Human Plasma	0.4 to 60 ng / mL	Sodium heparin		
	962	Trandolapril	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 30 ng / mL	Heparin	-	
		Trandolaprilat	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 31 ng / mL	Heparin	-	
	963	Trazodone	LC-MS/MS (API 3200)	Human Plasma	5 to 3000 ng / mL	K ₂ EDTA	100 mg	
	964	Triamcinolone Acetonide	LC-MS/MS (API 6500)	Human Plasma	5 to 2500 pg / mL	K ₂ EDTA	40 mg / mL	
	965	Trifluoperazine	LC-MS/MS (API 2000)	Human Plasma	0.05 to 10 ng / mL	CPD	-	
	966	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	-	
	967	Trimetazidine	LC-MS/MS (Waters QPXE)	Human Plasma	0.4 to 150 ng / mL	Heparin	35 mg	
	968	Trimetazidine	LC-MS/MS (Waters QPXE)	Human Plasma	0.4 to 250 ng / mL	Heparin	35 mg multiple dose	
	969	Trimethoprim	HPLC-UV	Human Plasma	0.025 to 2.5 µg / mL	CPD	50 mg	
	970	Trospium	LC-MS/MS (API 4000)	Human Plasma	25 to 12000 pg / mL	K ₂ EDTA	20 mg	
971	Trospium	LC-MS/MS (API 4000)	Human Plasma	25 to 8000 pg / mL	K ₂ EDTA	30 mg		
972	Trospium	LC-MS/MS (API 4000)	Human Plasma	10 to 2500 pg / mL	K ₂ EDTA	60 mg		
U								
CANADA	Location : Canada							
	973	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	-	

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
V							
Location : Canada							
CANADA	974	Valsartan	LC-MS/MS (API 3000)	Human Plasma	20 to 10240 ng / mL	K ₂ EDTA	160 mg
	975	Valsartan	LC-MS/MS (Waters)	Human Plasma	10 to 5000 ng/mL	K ₂ EDTA	80 mg
	976	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	-
	977	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	-
	978	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	-
	979	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	-
	980	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	-
	981	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	-

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	982	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	-	
	983	Vigabatrin	LC-MS (API 150)	Human Plasma	0.2 to 25 µg / mL	K ₂ EDTA	-	
Location : India								
INDIA	984	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	-	
	985	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	-	
	986	Valganciclovir	LC-MS/MS (API 3200)	Human Plasma	2 to 600 ng / mL	K ₂ EDTA	900 mg	
		Ganciclovir	LC-MS/MS (API 3200)	Human Plasma	25 to 10000 ng / mL	K ₂ EDTA	-	
	987	Valganciclovir	LC-MS/MS (API 3200)	Human Plasma	2 to 320 ng / mL	K ₂ EDTA	450 mg	
		Ganciclovir	LC-MS/MS (API 3200)	Human Plasma	25 to 5000 ng / mL	K ₂ EDTA	-	
	988	Valganciclovir	LC-MS/MS (Waters QPXE)	Human Plasma	2.5 to 750 ng/mL	K ₂ EDTA	900 mg	yes
		Ganciclovir	LC-MS/MS (Waters QPXE)	Human Plasma	40 to 12000 ng / mL	K ₂ EDTA	-	yes
	989	valganciclovir	LC-MS/MS (API 3200)	Human Plasma	2 to 320 ng / mL	K ₂ EDTA	450 mg	
	990	Valproic acid	HPLC-UV	Human Plasma	1 to 110 µg / mL	Heparin	500 mg	
	991	Valproic acid	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 80 µg / mL	Sodium heparin	500 mg	
	992	Valsartan	LC-MS/MS (API 3200)	Human Plasma	20 to 2000 ng / mL	Heparin	40 mg	
	993	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 8000 ng / mL	Heparin	160 mg	
	994	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 8000 ng / mL	K ₂ EDTA	160 mg	
995	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 20000 ng / mL	Sodium heparin	320 mg		
996	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 20000 ng / mL	K ₂ EDTA	320 mg		
997	Valsartan	LC-MS/MS (Thermo)	Human Plasma	50 to 20000 ng / mL	K ₂ EDTA	320 mg		
	Hydrochlorothiazide	LC-MS/MS (Thermo)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	25 mg		
998	Venlafaxine	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 300 ng / mL	Sodium heparin	150 mg		

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
INDIA	999	Venlafaxine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 600 ng / mL	Sodium Heparin	150 mg /225 mg
		O-Desmethyl Venlafaxine	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 800 ng / mL	Sodium Heparin	-
	1000	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	-
	1001	Verapamil	HPLC - Fluorescence	Human Plasma	2 to 250 ng / mL	Heparin	-
		Norverapamil	HPLC - Fluorescence	Human Plasma	2 to 250 ng / mL	Heparin	-
	1002	Verapamil	LC-MS/MS (Waters QPXE)	Human Plasma	4 to 300 ng / mL	Heparin	240 mg
		Norverapamil	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 177 ng / mL	Heparin	-
	1003	Verapamil	LC-MS/MS (Waters QPXE)	Human Plasma	4 to 300 ng / mL	Heparin	240 mg
		Norverapamil	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 177 ng / mL	Heparin	-
	1004	Trandolapril	LC-MS/MS (Waters QPXE)	Human Plasma	0.05 to 15 ng / mL	Heparin	4 mg
		Trandolaprilat	LC-MS/MS (Waters QPXE)	Human Plasma	0.4 to 31 ng / mL	Heparin	-
	1005	Vardenafil	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 80 ng / mL	Sodium heparin	20 mg
	1006	Vilazodone	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 40 ng / mL	K ₂ EDTA	10 mg
1007	*Vitamin D3	LC-MS/MS (Thermo)	Human Plasma	0.25 to 20 ng / mL	K ₂ EDTA	5600 IU / 2600 IU	
1008	*Vitamin D3	LC-MS/MS (Thermo)	Human Plasma	1 to 200 ng / mL	K ₂ EDTA	40000 IU	
1009	Voriconazole	LC-MS/MS (API 3200)	Human Plasma	1 to 700 ng / mL	K ₂ EDTA	50 mg	
1010	Voriconazole	LC-MS/MS (API 3200)	Human Plasma	5 to 4000 ng / mL	K ₂ EDTA	40mg/mL or 200 mg	
W							
CANADA	Location : Canada						
	1011	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	-	
INDIA	Location : India						
	1012	Warfarin	HPLC - Fluorescence	Human Plasma	10 to 750 ng / mL	Heparin	5 mg
	1013	Warfarin	HPLC - Fluorescence	Human Plasma	20 to 2500 ng / mL	Heparin	10 mg

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
Z								
CANADA	Location : Canada							
	1014	Ziprasidone	LC-MS/MS (API 3000)	Human Plasma	0.125 to 64 ng / mL	K ₂ EDTA	5 mg	
	1015	Ziprasidone	LC-MS/MS (API 3000)	Human Plasma	0.5 to 256 ng / mL	K ₂ EDTA	40 mg	
	1016	Zolpidem	HPLC - Fluorescence	Human Plasma	1 to 512 ng / mL	K ₃ EDTA	10 mg	
INDIA	Location : India							
	1017	Ziprasidone	HPLC - Fluorescence	Human Plasma	1.5 to 200 ng / mL	NA	40 mg	
	1018	Zolmitriptan	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 30 ng / mL	Heparin	5 mg	
		N-desmethyl zolmitriptan	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 20 ng / mL	Heparin	-	
	1019	Zolpidem	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	10 mg	
1020	Zonisamide	HPLC-UV	Human Serum	25 to 3000 ng / mL	NA	100 mg		

*: Premium method

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NEW CHEMICAL ENTITIES

(FULL NAME WITHHELD DUE TO CONFIDENTIALITY)

Sr. No.	Drug Name	Instrument	Matrix	LLOQ	Anticoagulant		
Location : Canada							
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 Plasma	1.96 ng/mL	Not applicable	
	Location : India						
	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 QPXE)	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	
14		New Chemical Entity-08	LC-MS/MS (API 4000)	Human Plasma	2 ng / mL	K ₂ EDTA	
15	*New Chemical Entity-09	LC-MS/MS (Thermo)	Human Plasma	2 ng / mL	K ₂ EDTA		
16	*New Chemical Entity-10	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	20 ng / mL	K ₂ EDTA		

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IN-VITRO STUDIES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant
Location : India					
1	*Doxorubicin (Encapsulated and Total) (Liposomal)	LC-MS/MS (Waters)	Human Plasma	2500 to 250000 ng / mL	K ₂ EDTA
2	*Doxorubicin (Encapsulated and Total) (Liposomal)	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 25 µg / mL	K ₂ EDTA
3	*Doxorubicin (Free) (Liposomal)	LC-MS/MS (Waters)	Human Plasma	100 to 10000 ng / mL	K ₂ EDTA
4	*Doxorubicin (Free) (Liposomal)	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 1800 ng / mL	K ₂ EDTA

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IMMUNOGENICITY ASSESSMENT

Sr. No.	Molecules
1	Screening, Confirmatory assays for Antibodies against Darbepoetin (Bridging ELISA)
2	Neutralising assay for antibodies against Darbepoetin (Cell based Assay)
3	Screening, Confirmatory assays for Antibodies against Erythropoietin (Bridging ELISA)
4	Neutralising antibodies to Erythropoietin (Cell based Assay)
5	Screening, Confirmatory assays for Antibodies against Ranibizumab by (Bridging ELISA)
6	Screening, Confirmatory assays for Antibodies against Rituximab (Affinity Capture and Elution based ELISA)
7	Screening, Confirmatory assays for Antibodies against Trastuzumab (Bridging ELISA)
8	Screening, Confirmatory assays for Antibodies against Denosumab (Bridging ELISA)
9	*Screening, Confirmatory assays for Antibodies against Teriperatide (ELISA)
10	*Screening, Confirmatory assays for Antibodies against PEG GCSF (Bridging ELISA)
11	*Screening, Confirmatory assays for Antibodies against Romiplostim (ELISA)

*: Developed method available

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PD MARKERS

Sr. No	PD Markers/Surrogate PD markers
1	3 Beta-D- Glucan
2	ACTH (Adrenocorticotrophic hormone)
3	Anti-Factor IIa activity of Enoxaparin (Colorimetric Method)
4	Anti-Factor Xa activity of Enoxaparin (Colorimetric Method)
5	Anti-Factor IIa activity of Low molecular weight heparin (Colorimetric Method)
6	Anti-Factor Xa activity of Low molecular weight heparin (Colorimetric Method)
7	Apolipoprotein A1 (Immunoturbidimetric)
8	Apolipoprotein B
9	BAP- Bone specific Alkalinephosphatase (ELISA)
10	Basophil Activation Test (Flow Cytometry)
11	Beta 2 Microglobulin (ELISA)
12	Cluster of Differentiation 34 - CD 34 (Flow Cytometry)
13	Cluster of Differentiation 19 - CD19 (Flow Cytometry)
14	C-peptide
15	Direct- LDL-C (photometric)
16	Ecarin Clotting Time for Bivaluridin (Clot Based Assay)
17	Erythropoetin (ELISA)
18	Ferritin
19	Free T3 & Free T4
20	Fructosamine
21	Glucose (Glucose Oxidase Peroxidase Method)
22	Glycosylated Haemoglobin
23	Hep Test (Clot Based Assay)
24	High Sensitivity C-Reactive Protein (hs-CRP)
25	Human Serum Adiponectin-HMW (ELISA)
26	Human Serum Adiponectin-Total (ELISA)
27	Human Serum/Plasma Glucagon
28	IL-6 (Interleukin-6)

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PD MARKERS

Sr. No	PD Markers/Surrogate PD markers
29	Insulin
30	Lipoprotein (a)
31	NEFA/FFA (Non Esterified Fatty Acids/Free Fatty Acid)
32	Reticulocyte Count (Flow Cytometry)
33	RLP[Remnant Lipoprotein] cholesterol (ELISA)
34	Sputum Eosinophil & Neutrophil
35	TFPI [Tissue Factor Pathway Inhibitor] (ELISA)
36	TNF-alpha High Sensitivity (ELISA)
37	Transferrin saturation
38	TRAP(Tartrate Resistant Alkaline phosphatase)
39	Urine Alpha-GST (ELISA)
40	Urine Glucose
41	Progesterone
42	Estradiol
43	PSA

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EVALUATION OF EFFECTIVENESS OF HEALTHCARE HYGIENE PRODUCTS

Validated Protocols

Sr. No	Title
1	ASTM-E1174 - Standard Test Method for Evaluation of the Effectiveness of Health Care Personnel Handwash Formulations.
2	ASTM-E1054- Standard Test Method for Evaluation of Inactivators of Antimicrobial Agents.
3	ASTM E1874 - Standard Test Method for Recovery of Microorganisms from Skin using the Cup Scrub Technique.
4	In-vitro assay for evaluating the efficacy of Oral Care Formulations
5	Thiol production (BDCOH) assay for evaluating the effectiveness of Oral Care Formulations
6	EN-1276 Chemical disinfectants and antiseptics (under validation)
7	EN-13697 Chemical disinfectants and antiseptics (under validation)



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