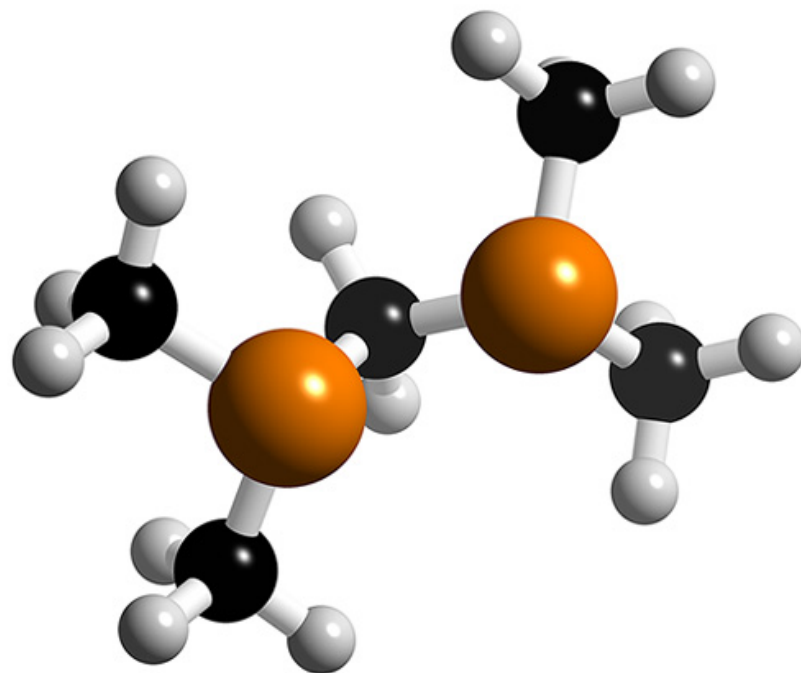




HANDBOOK OF BIOANALYTICAL METHODS at LAMBDA THERAPEUTIC RESEARCH



Edition: February 2017

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 **850** 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 **75,000+** samples per month on **40+** 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)
- ✦ Scientific Data Management System (SDMS, Waters)
- ✦ Different types of **40+** LC-MS/MS systems (including API 6500 and Waters Xevo TQ-S)

Regulatory Track Record

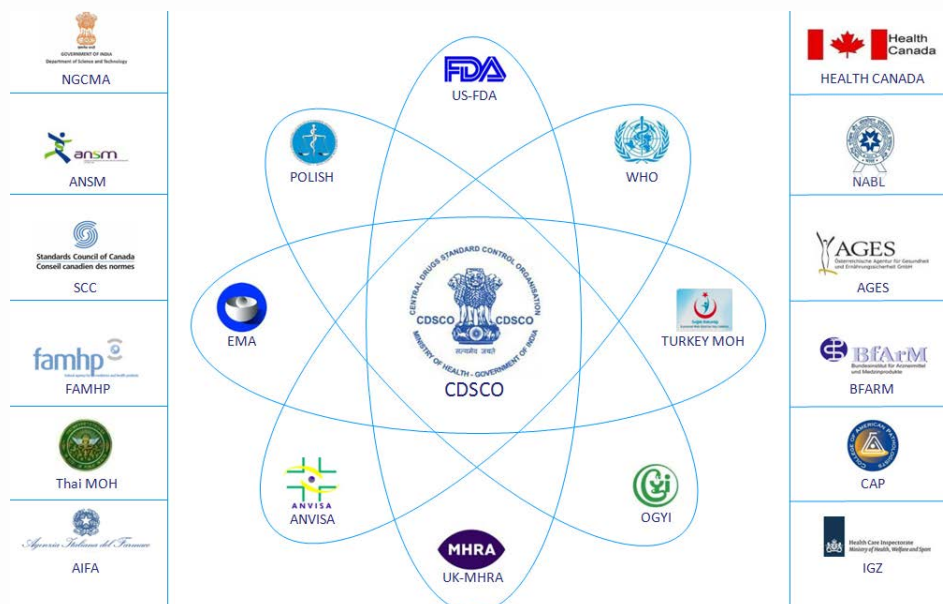


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Lambda Therapeutic Research

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 133.333 µg / mL	NA	7.5 mg / kg I.V
2	Darbepoetin	Sandwich ELISA	Human Serum	0.075 to 2.600 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 20.000 mIU/mL	NA	300 IU
8	*Teriparatide	LC-MS/MS (6500 QTRAP)	Human Serum	5 to 500 pg / mL	NA	NA
9	Trastuzumab	LC-MS/MS (6500 QTRAP)	Human Serum	5 to 500 µg / mL	NA	8 mg / Kg
10	*Bevacizumab	LC-MS/MS (6500 QTRAP)	Human Serum	5 to 500 ug / mL	NA	NA
11	peg G-CSF	ELISA	Human Serum	200 to 6500 pg / mL	NA	6mg /0.6 mL SC
12	Denosumab	Sandwich ELISA	Human Serum	159.580 to 10005.000 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	Amantadine	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1500 ng / mL	K ₂ EDTA	300mg
	9	Amantadine	LC-MS/MS (Thermo)	Human Urine	20 to 3000 ng / mL	Not applicable	160 mg
	10	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	-
	11	Amlodipine	LC-MS/MS (API 3000)	Human Plasma	0.1 to 13 ng / mL	K ₃ EDTA	10 mg
	12	Amphotericin B	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 5000 ng / mL	K ₂ EDTA	200 to 400 mg
	13	Alendronate	LC-MS/MS (API 3000)	Human Urine	1 to 256 ng / mL	Not applicable	-
	14	Anastrozole	LC-MS/MS (API 3000)	Human Plasma	0.1 to 26 ng / mL	K ₂ EDTA	1 mg
	15	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-Desmethylatomoxetine	LC-MS/MS (Thermo)	Human Plasma	2 to 512 ng / mL	K ₂ EDTA	-
	16	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
17	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	-	
18	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	-	
19	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	-	
20	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		
21	Atazanavir	LC-MS/MS (Thermo)	Human Plasma	20 to 8000 ng/mL	K ₂ EDTA	300 mg	
22	Azithromycin	LC-MS (API 150)	Human Plasma	5 to 1280 ng / mL	Sodium heparin	600 mg	

CANADA

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
Location : India							
23	Abacavir	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 6000 ng / mL	K ₂ EDTA	300 mg	
24	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	
25	Acamprosate	LC-MS/MS (Thermo)	Human Plasma	0.5 to 400 ng / mL	K ₂ EDTA	2 X 333 mg i.e. 666mg dose	
26	Acetazolamide	LC-MS/MS (API 3200)	Human Plasma	0.025 to 20 µg / mL	K ₂ EDTA	500 mg	
27	Aceclofenac	LC-MS/MS (API 2000)	Human Plasma	75 to 22000 ng / mL	Sodium heparin	100 mg	
28	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	-	
29	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	-	
30	Acetyl salicylic acid	LC-MS/MS (API 4000)	Human Plasma	2.5 to 750 ng / mL	K ₂ EDTA	25 mg	
31	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	-	
32	Acitretin	LC-MS/MS (Shimadzu 8040)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	25 mg	
	13-Cis - Acitretinin	LC-MS/MS (Shimadzu 8040)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	-	
33	Acrivastine	LC-MS/MS (API 4000)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	8mg	
34	Allopurinol	LC-MS/MS (API 3200)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	300 mg	
35	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	-	
36	Amlodipine	LC-MS/MS (API 4000)	Human Plasma	0.2 to 10 ng / mL	Sodium heparin	5 mg / 10 mg	
37	*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	
38	*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	

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	39	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	
	40	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	
	41	Amlodipine	LC-MS/MS (Waters QPXE)	Human Plasma	0.15 to 10 ng / mL	K ₂ EDTA	10 mg	
	42	Telmisartan	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1000 ng / mL	K ₂ EDTA	80 mg	
	43	Amiloride	LC-MS/MS (Waters QPXE)	Human Plasma	0.15 to 20 ng / mL	K ₂ EDTA	5 mg	
	44	Amiodarone	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 1500 ng / mL	K ₂ EDTA	200 mg	
	45	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	-	
	46	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	-	
	47	Amoxicillin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 35 µg / mL	K ₂ EDTA	1 gm	
	48	Amoxicillin	HPLC-UV	Human Plasma	0.5 to 15 µg / mL	K ₂ EDTA / Heparin	500 mg	
	49	Amoxicillin	LC-MS/MS (Waters QPXE)	Human Plasma	0.05 to 12 µg / mL	K ₂ EDTA	250 mg	
	50	Amoxicillin	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	75 to 35000 ng / mL	Sodium heparin	500 mg	yes
	51	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	
52	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		
53	Amphotericin B	HPLC-UV	Human Plasma	0.25 to 10 µg / mL	K ₂ EDTA	2 mg		
54	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		
55	Amphotericin B	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	100 to 2000 pg / mL	K ₂ EDTA	NA		
56	*Amphotericin B (free) (Liposomal)	LC-MS/MS (API 4000)	Human Plasma	10 to 3000 ng / mL	K ₂ EDTA	50mg/vial		
57	*Alendronate	LC-MS/MS (API 4000)	Human Urine	2 to 600 ng / mL	NA	70 mg		
58	*Alendronate	LC-MS/MS (API 4000)	Human Plasma	0.3 to 150 ng / mL	K ₂ EDTA	70 mg		

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
59	*Alendronate	LC-MS/MS (Thermo)	Human Plasma	0.05 to 20 ng / mL	K ₂ EDTA	10 mg	
60	Alogliptin	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	25 mg	
61	Alogliptin	LC-MS/MS (API 4000)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	12.5 mg	Yes
62	Anastrozole	LC-MS/MS (API 3200)	Human Plasma	0.25 to 25 ng / mL	Sodium heparin	1 mg	
63	*Anagrelide	LC-MS/MS (Thermo)	Human Plasma	0.05 to 10 ng / mL	K ₃ EDTA	0.5 mg	
64	Apixaban	LC-MS/MS (Thermo)	Human Plasma	0.25 to 300 ng / mL	K ₂ EDTA	50 mg	
65	Apovincaminic acid	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 50 ng / mL	K ₂ EDTA	5 mg of Vinpocetine	
66	Apovincaminic acid	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 180 ng / mL	K ₂ EDTA	15 mg of Vinpocetine	
67	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	-	
68	Aripiprazole	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	10 mg	
69	Aripiprazole	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 50 ng / mL	K ₂ EDTA	5 mg	
70	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	
71	Atazanavir	LC-MS/MS (Thermo)	Human Plasma	10 to 5000 ng/mL	K ₂ EDTA	300 mg	Yes
72	Atazanavir	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	300 mg	
73	Atenolol	HPLC - Fluorescence	Human Plasma	10 to 800 ng / mL	K ₂ EDTA / Heparin	100 mg	
74	Atenolol	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1000 ng / mL	K ₂ EDTA	50 mg	
75	Nifedipine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	20 mg	
76	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	-	
77	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	-	
78	Atorvastatin	LC-MS/MS (API 3200)	Human Plasma	0.1 to 40 ng / mL	K ₂ EDTA	20 mg	
79	Atorvastatin	LC-MS/MS (Thermo)	Human Plasma	0.1 to 60 ng / mL	K ₂ EDTA	40 mg	
80	Atorvastatin	LC-MS/MS (API 3200)	Human Plasma	0.1 to 150 ng / mL	K ₂ EDTA	80 mg	
81	Atovaquone	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	250 mg	
82	*5-Azacytidine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3000 ng / mL	Sodium heparin	100 mg	

INDIA

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	83	*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	-	
	84	Azithromycin	LC-MS/MS (API 3200)	Human Plasma	5 to 1000 ng / mL	K ₂ EDTA	600 mg	
	85	Azithromycin	LC-MS/MS (API 3200)	Human Plasma	1 to 250 ng / mL	K ₂ EDTA	200 mg	
B								
Location : Canada								
CANADA	86	R-Baclofen	LC-MS/MS (Thermo)	Human Plasma	1 to 500 ng / mL	K ₂ EDTA	10 mg	
	87	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	
	88	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	
	89	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	-	
	90	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	-	

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
91	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	-	
92	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	-	
93	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	-	
94	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	-	
95	Buprenorphine	LC-MS/MS (API 6500)	Human Plasma	25 to 10000 pg / mL	Sodium heparin	8 mg	Yes
	Norbuprenorphine	LC-MS/MS (API 6500)	Human Plasma	50 to 10000 pg / mL	Sodium heparin	-	Yes
96	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	-	

CANADA

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method		
CANADA	97	Buspirone	LC-MS/MS (API 3000)	Human Plasma or Mouse	0.4 to 77 ng / mL	K ₃ EDTA	-		
		1-(2-Pyrimidyl)Piperazine	LC-MS/MS (API 3000)	Human Plasma or Mouse	1.6 to 307.2 ng / mL	K ₃ EDTA	-		
	98	Buspirone	LC-MS/MS (API 3000)	Human Plasma or Mouse	0.05 to 10 ng / mL	Sodium heparin	-		
		1-(2-Pyrimidyl)Piperazine	LC-MS/MS (API 3000)	Human Plasma or Mouse	0.2 to 38 ng / mL	Sodium heparin	-		
	99	Buspirone	LC-MS/MS (API 300 or 3000)	Human Plasma or Rat	0.4 to 50 ng / mL	Heparin	-		
		1-(2-Pyrimidyl)Piperazine	LC-MS/MS (API 300 or 3000)	Human Plasma or Rat	0.4 to 50 ng / mL	Heparin	-		
	100	Buspirone	LC-MS/MS (API 3000)	Human Plasma	0.04 to 10 ng / mL	Sodium heparin	-		
		1-(2-Pyrimidyl)Piperazine	LC-MS/MS (API 3000)	Human Plasma	0.15 to 40 ng / mL	Sodium heparin	-		
		6-Hydroxybuspirone	LC-MS/MS (API 3000)	Human Plasma	0.625 to 160 ng / mL	Sodium heparin	-		
	Location : India								
	INDIA	101	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	-	
102		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	-		
103		Bexarotene	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng / mL	K ₂ EDTA	75 mg		
104		Bicalutamide	LC-MS/MS (API 2000)	Human Plasma	10 to to 1000 ng / mL	Heparin	25 mg		
105		Bicalutamide	LC-MS/MS (API 2000)	Human Plasma	50 to 2000 ng / mL	K ₂ EDTA / Heparin	50 mg		
106	Bicalutamide	LC-MS/MS (API 2000)	Human Plasma	100 to 5000 ng / mL	K ₂ EDTA	150 mg			

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	107	*Bicalutamide (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1000 ng / mL	K ₂ EDTA	50 mg	
	108	Bisoprolol	LC-MS/MS (API 3200)	Human Plasma	0.5 to 80 ng / mL	K ₂ EDTA	10 mg	
	109	Bosentan	LC-MS/MS (API 3200)	Human Plasma	5 to 6000 ng / mL	K ₂ EDTA	125 mg	
	110	*Bortezomib	LC-MS/MS (Thermo)	Rat Plasma	0.5 to 500 ng / mL	Sodium heparin	62.5 µg/kg to 250 µg/kg (Subcutaneous)	
	111	*Bortezomib	LC-MS/MS (Waters QPXE)	Rat Plasma	2 to 8000 ng / mL	Sodium heparin	62.5 µg/kg to 250 µg/kg (IV)	
	112	*Budesonide	LC-MS/MS (Waters VEVO TO S)	Human Plasma	5 to 4000 pg / mL	K ₂ EDTA	3 mg	
	113	Budesonide	LC-MS/MS (Thermo)	Human Plasma	20 to 10000 pg / mL	Sodium Heparin	3 X 3 mg	
	114	Budesonide	LC-MS/MS (Waters VEVO TO S)	Human Plasma	20 to 10000 pg / mL	Sodium heparin	3X3 mg	
	115	Buspirone	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 30000 pg / mL	K ₂ EDTA	15 mg	
	116	Bupropion	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	300 mg/150mg	
	117	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	-	
	118	*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	-	
	119	Bupropion	LC-MS/MS (API 6500)	Human Plasma	1 to 500 ng/mL	K ₂ EDTA	300 mg	Yes
		Hydroxy Bupropion	LC-MS/MS (API 6500)	Human Plasma	2 to 1500 ng/mL,	K ₂ EDTA	-	Yes
		Erythro Hydro Bupropion	LC-MS/MS (API 6500)	Human Plasma	0.5 to 176 ng/mL	K ₂ EDTA	-	Yes
Threo Hydro Bupropion		LC-MS/MS (API 6500)	Human Plasma	1.5 to 1000 ng/mL	K ₂ EDTA	-	Yes	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
120	*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	121	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	-	
	122	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	-	
	123	Cefaclor	HPLC-UV	Human Plasma	0.2 to 25 µg / mL	Lithium heparin	500 mg	
	124	Cefixime	HPLC-UV	Human Plasma	0.1 to 13 µg / mL	Sodium heparin	400 mg	
	125	Cefuroxime	HPLC-UV	Human Plasma	0.2 to 27 µg / mL	K ₂ EDTA	500 mg	
	126	Cefuroxime	LC-MS/MS (Thermo)	Human Plasma	100 to 20135 ng / mL	K ₂ EDTA	500 mg	
	127	Celecoxib	HPLC - Fluorescence	Human Plasma	20 to 2560 ng / mL	Sodium heparin	200 mg	
	128	Celecoxib	LC-MS/MS (API 3000)	Human Plasma	20 to 2560 ng / mL	K ₂ EDTA	200 mg	
	129	Cephalexin	HPLC-UV	Human Plasma	0.2 to 25 µg / mL	K ₃ EDTA	-	
	130	Cetirizine	LC-MS/MS (API 3000)	Human Plasma	2 to 512 ng / mL	K ₂ EDTA	10 mg	
	131	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		
132	Chlorpheniramine	LC-MS/MS (API 3000)	Human Plasma	0.1 to 51 ng / mL	K ₂ EDTA	8 mg / 5 mL		
133	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		
134	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		
135	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	25 to 6400 ng / mL	K ₃ EDTA	-		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
136	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	20 to 2561 ng / mL	K ₃ EDTA	-	
137	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	-	
138	Citalopram	HPLC - Fluorescence	Human Plasma	0.25 to 32 ng / mL	Heparin	-	
139	Citalopram	HPLC - Fluorescence	Human Plasma	0.25 to 64 ng / mL	Sodium heparin	-	
140	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	-	
141	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	-	
142	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	-	
143	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	-	
144	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	-	
145	Clarithromycin	LC-MS/MS (API 300 or 3000)	Human Plasma	20 to 5120 ng / mL	Sodium heparin	-	
146	Clavulanic Acid	LC-MS/MS (API 300 or 3000)	Human Plasma	25 to 1600 ng / mL	Sodium heparin	125 mg	

CANADA

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	147	Clobazam	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	2 mg / mL	
	148	Clonazepam	LC-MS/MS (API 300 or 3000)	Human Plasma	0.1 to 51 ng / mL	Sodium heparin	-	
	149	Clonidine	LC-MS/MS (Thermo)	Human Plasma	0.03 to 2 ng / mL	K ₂ EDTA	0.3 mg	
	150	Clopidogrel	LC-MS/MS (Thermo)	Human Plasma	0.05 to 51 ng / mL	Sodium heparin	300 mg	
	151	Clopidogrel Carboxylic Acid	LC-MS/MS (Thermo)	Human Plasma	0.049 to 25 µg / mL	K ₂ EDTA	300 mg of Clopidogrel	
	152	Clopidogrel Thiol	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng / mL	K ₂ EDTA	300 mg of Clopidogrel	
	153	Codeine	LC-MS/MS (Thermo)	Human Plasma	0.7 to 400 ng / mL	K ₂ EDTA	30 mg	
	154	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	155	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)	
	156	Cabazitaxel (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	0.75 to 500 ng / mL	K ₂ EDTA	15 to 25 mg / m ²	
	157	Cabazitaxel (Free)	LC-MS/MS (Thermo)	Human Plasma	0.05 to 40 ng / mL	K ₂ EDTA	Multiple dose	
	158	*Cabergoline	LC-MS/MS (API 6500)	Human Plasma	0.5 to 80 pg / mL	K ₃ EDTA	2 X 0.5 mg	
	159	Candesartan	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 750 ng / mL	K ₂ EDTA	32 mg	
	160	Candesartan	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 350 ng / mL	K ₂ EDTA	16 mg	
	161	Candesartan	LC-MS/MS (Waters QPXE)	Human Plasma	0.4 to 160 ng / mL	K ₂ EDTA	8 mg	
	162	Capecitabine	LC-MS/MS (API 4000)	Human Plasma	10 to 12000 ng / mL	K ₂ EDTA	500 mg (multiple dosing)	
	163	*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	-	
164	*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		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	165	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	-	
	166	Carbamazepine	LC-MS/MS (API 3200)	Human Plasma	50 to 7000 ng / mL	K ₂ EDTA	300 / 400 mg	
	167	Carbamazepine	LC-MS/MS (API 2000)	Human Plasma	0.5 to 20 µg / mL	K ₂ EDTA	400 mg (steady state)	
	168	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	-	
	169	*Carprofen	LC-MS/MS (API 3200)	Beagle Dog Plasma	0.5 to 100 µg / mL	K ₂ EDTA	100 mg	
	170	Captopril	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K ₂ EDTA	25 mg	
	171	Carbidopa	LC-MS/MS (Thermo)	Human Plasma	0.7 to 230 ng / mL	K ₂ EDTA	25 mg	
	172	Carvedilol	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 100 ng / mL	K ₂ EDTA	12.5 mg	
	173	*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	-	
	174	*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	-	
	175	Cefaclor	HPLC-UV	Human Plasma	0.2 to 25 µg / mL	Heparin	500 mg	
	176	Cefadroxil	HPLC-UV	Human Plasma	0.5 to 50 µg / mL	Heparin	500 mg	
	177	Cefdinir	HPLC-UV	Human Plasma	0.035 to 5 ng / mL	Heparin	250 mg	
	178	Cefixime	HPLC-UV	Human Plasma	0.05 to 8 µg / mL	K ₂ EDTA / Heparin	400 mg	
179	Ceftazidime	HPLC-UV	Human Plasma	0.3 to 60 µg / mL	Heparin	1 g injection		
180	Cefuroxime	HPLC-UV	Human Plasma	0.3 to 35 µg / mL	Heparin	750 mg injection		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
181	Cefuroxime	HPLC-UV	Human Plasma	0.075 to 13 µg / mL	Heparin	500 mg	
182	Cefuroxime	LC-MS/MS (Waters QPXE)	Human Plasma	0.025 to 7.5 µg / mL	K ₂ EDTA	250 mg	
183	Celecoxib	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 4000 ng / mL	Heparin	200 mg / 400 mg	
184	Cephalexin	HPLC-UV	Human Plasma	0.3 to 40 µg / mL	Heparin	500 mg	
185	Cetirizine	LC-MS/MS (API 3200)	Human Plasma	5 to 500 ng / mL	Heparin	10 mg	
186	Chlorthalidone	HPLC-UV	Human Plasma	10 to 500 ng / mL	CPD	25 mg	
187	Chlorthalidone	HPLC-UV	Human Plasma	50 to 3000 ng / mL	CPD	200 mg	
188	Cilostazol	LC-MS/MS (API 2000)	Human Plasma	10 to 2000 ng / mL	K ₂ EDTA	100 mg	
189	Cinacalcet	LC-MS/MS (API 3200)	Human Plasma	0.25 to 150 ng / mL	K ₂ EDTA	90 mg	
190	Cinacalcet	LC-MS/MS (API 3200)	Human Plasma	0.25 to 100 ng / mL	K ₂ EDTA	90 mg	
191	Ciprofloxacin	HPLC - Fluorescence	Human Plasma	0.05 to 4 µg / mL	K ₂ EDTA	750 mg	
192	Cimetidine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1000 ng / mL	Heparin	200 mg	
193	Cimetidine	LC-MS/MS (Waters QPXE)	Human Plasma	15 to 6000 ng / mL	Heparin	800 mg	
194	Citalopram	HPLC - Fluorescence	Human Plasma	2 to 80 ng / mL	Heparin	40 mg	
195	Citalopram	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 100 ng / mL	K ₂ EDTA	40 mg	
196	*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	-	
197	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	-	
198	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	-	
199	S-citalopram	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 50 ng / mL	K ₂ EDTA	10 mg / 20 mg	
200	S-citalopram	LC-MS/MS (Shimadzu 8040)	Human Plasma	0.25 to 50 ng / mL	K ₂ EDTA	10 mg / 20 mg	

INDIA

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	201	Citric acid	LC-MS/MS (Waters QPXE)	Human Urine	5 to 1500 µg / mL	Not applicable	60 mEq(4 X 15 mEq)	
	202	Clarithromycin	LC-MS/MS (API 2000)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	250 mg / 500 mg	
	203	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	-	
	204	Clavulanic acid	LC-MS/MS (Waters QPXE)	Human Plasma	15 to 5000 ng/mL	Sodium heparin	125 mg	Yes
	205	Clavulanic acid	HPLC-UV	Human Plasma	0.05 to 4 µg / mL	K ₂ EDTA / Heparin	125 mg	
		Clindamycin	LC-MS/MS (API 2000)	Human Plasma	50 to 8000 ng / mL	K ₂ EDTA	300 mg	
	206	Clobazam	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	10 mg	
		*Clonidine	LC-MS/MS (Waters)	Human Plasma	5 to 600 pg / mL	K ₂ EDTA	0.1 mg	
	207	Clopidogrel	LC-MS/MS (API 4000)	Human Plasma	20 to 4000 pg / mL	Heparin	75 mg	
		Clopidogrel	LC-MS/MS (API 4000)	Human Plasma	20 to 8000 pg / mL	Sodium heparin	300 mg (fasting study)	
	208	Clopidogrel	LC-MS/MS (API 4000)	Human Plasma	0.1 to 40 ng / mL	Sodium heparin	300 mg (Fed study)	
		*Clopidogrel	LC-MS/MS (Shimadzu 8060)	Human Plasma	5 to 4000 pg / mL	Sodium heparin	75 mg (Fasting)	
	209	Clopidogrel Carboxy acid	LC-MS/MS (API 2000)	Human Plasma	30 to 5000 ng / mL	Heparin	75 mg of clopidogrel	
Clozapine		LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	200 mg multiple dose		
210	Clozapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 80 ng / mL	K ₂ EDTA	12.5 mg		
	Colchicine	LC-MS/MS (API 4000)	Human Plasma	25 to 6000 pg / mL	K ₂ EDTA	500 mcg		
211	Cyclophosphamide	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 2500 ng / mL	K ₂ EDTA	Multiple dose		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
D								
Location : Canada								
CANADA	212	Darunavir	LC-MS/MS (API 3000)	Human Plasma	10 to 6400 ng / mL	K ₂ EDTA	600 mg	
	213	Dexamethasone	LC-MS/MS (Thermo)	Human Plasma	0.2 to 60 ng / mL	K ₂ EDTA	0.5 mg	Yes
	214	Dextroamphetamine	LC-MS/MS (API 3000)	Human Plasma	0.2 to 51 ng / mL	K ₂ EDTA	30 mg	
	215	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	-	
	216	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	
	217	Diclofenac	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K ₂ EDTA	1 % gel	
	218	Didanosine	LC-MS/MS (API 3000)	Human Plasma	10 to 1280 ng / mL	Sodium heparin	-	
	219	Dienogest	LC-MS/MS (Thermo)	Human Plasma	3 to 120 ng / mL	K ₂ EDTA	2 mg	
	220	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	-	
	221	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	-	
	222	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	-	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	223	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	-	
	224	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	-	
	225	Diphenhydramine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	Sodium heparin	25 to 38 mg	
	226	Donepezil	LC-MS/MS (Thermo)	Human Plasma	0.25 to 64 ng / mL	K ₂ EDTA	10 mg	
	227	Doxazosin	HPLC - Fluorescence	Human Plasma	0.5 to 128 ng / mL	Heparin	-	
	228	Doxycycline	HPLC-UV	Human Plasma	80 to 5120 ng / mL	Heparin	-	
229	Duloxetine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	K ₂ EDTA	60 mg		
230	Duloxetine	LC-MS/MS (Thermo)	Human Plasma	0.5 to 128 ng / mL	K ₂ EDTA	60 mg		
231	Dutasteride	LC-MS/MS (Thermo)	Human Plasma	60 to 5120 pg / mL	K ₂ EDTA	0.5 mg		
Location : India								
INDIA	232	*Dabigatran [Total- (Conjugated + Unconjugated)]	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng / mL	Sodium Citrate	150 mg	
	233	*Dabigatran (Unconjugated)	LC-MS/MS (API 4000)	Human Plasma	1 to 300 ng / mL	Sodium Citrate	150 mg	
	234	*Dabigatran (Unconjugated)	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	Sodium Citrate	150 mg	
	235	*Dabigatran (Unconjugated)	LC-MS/MS (API 3200)	Sprague Dawley Rat plasma	5 to 10000 ng / mL	Sodium Citrate	Multiple dose	
	236	*11-dehydro Thromboxane B2	LC-MS/MS (Shimadzu 8040)	Human Urine	0.1 to 20 ng / mL	NA	NA	

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	237	Dalfampridine/Fampridine	LC-MS/MS (API 3200)	Human Plasma	0.2 to 40 ng / mL	K ₂ EDTA	10 mg	
	238	Dasatinib	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	100mg	
	238	Deferasirox (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 µg / mL	K ₂ EDTA	250 mg / 500 mg	
	239	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	
	240	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	
	241	Dexibuprofen	LC-MS/MS (API 3200)	Human Plasma	0.2 to 50 µg / mL	K ₂ EDTA	400 mg	
	242	Dexketoprofen	LC-MS/MS (API 2000)	Human Plasma	10 to 10000 ng / mL	K ₂ EDTA	25 mg / 50 mg	
	243	Dexamethasone	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 60 ng / mL	K ₃ EDTA	2 mg	
	244	Deferasirox	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 µg / mL	K ₂ EDTA	250 mg / 500 mg	
	245	*Diazepam	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1000 ng / mL	K ₂ EDTA	10 mg	
	246	Diclofenac	LC-MS/MS (API 2000)	Human Plasma	5 to 2000 ng / mL	Heparin	50 mg	
	247	Diclofenac	LC-MS/MS (API 2000)	Human Plasma	10 to 5000 ng / mL	Heparin	75 mg / 100 mg	
	248	Diclofenac	LC-MS/MS (API 4000)	Human Plasma	5 to 5000 ng / mL	K ₂ EDTA	75 mg / 100 mg	
	249	Diclofenac	LC-MS/MS (API 3200)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	22 mg	
	250	Diclofenac	LC-MS/MS (API 4000)	Human Plasma	0.075 to 25 ng / mL	K ₂ EDTA	1 % gel	
	251	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	-	
	252	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	-		
253	*2,3-Dinor-6-keto prostaglandin F1α	LC-MS/MS (Shimadzu 8040)	Human Urine	0.5 to 25 ng / mL	NA	NA		
254	Dipyridamole	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 3000 ng / mL	K ₂ EDTA	200 mg		

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
255	Dipyridamole	LC-MS/MS (Shimadzu 8040)	Human Plasma	10 to 3000 ng / mL	K ₂ EDTA	200 mg	
256	Dipyridamole	LC-MS/MS (Shimadzu 8040)	Human Plasma	10 to 4000 ng / mL	K ₂ EDTA	200 mg multiple dose	
257	Docetaxel	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	20 mg / 0.5 mL injection	
258	Docetaxel (total)	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 15000 ng / mL	K ₂ EDTA	Multiple dose	
259	*Docetaxel	LC-MS/MS (Waters QPXE)	Beagle Dog Plasma	10 to 4000 ng / mL	K ₂ EDTA	80mg / 2mL	
260	*Docetaxel (free)	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 300 ng / mL	K ₂ EDTA	Multiple dose	
261	Dofetilide	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	20 to 6000 pg / mL	K ₂ EDTA	0.5 mg	
262	Domperidone	LC-MS/MS (API 4000)	Human Plasma	0.1 to 50 ng / mL	K ₂ EDTA	10 mg	
263	Donepezil	LC-MS/MS (API 3200)	Human Plasma	0.5 to 40 ng / mL	K ₂ EDTA	10 mg	
264	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	-	
265	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	-	
266	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	-	
267	Drospirenone	LC-MS/MS (API 4000)	Human Plasma	0.5 to 175 ng / mL	K ₂ EDTA	6 mg	
268	Drotaverine	LC-MS/MS (Thermo)	Human Plasma	1 to 600 ng / mL	K ₂ EDTA	80 mg	
269	Dolutegravir	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 6000 ng / mL	K ₂ EDTA	50 mg	
270	Doxazosin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 16 ng / mL	K ₂ EDTA	1 mg	
271	Doxorubicin (Encapsulated and total)	LC-MS/MS (Waters QPXE)	Human Plasma	150 to 60000 ng / mL	K ₃ EDTA	50mg / m ²	
272	*Doxorubicin (Free) (Liposomal)	LC-MS/MS (Waters QPXE)	CD-1 Mice Plasma	10 to 15000 ng / mL	K ₂ EDTA	Multiple dose	

INDIA

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	273	*Doxorubicin (Free) (Liposomal)	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 2050 ng / mL	K ₃ EDTA	50 kg / m ²	
	274	*Doxorubicin (Encapsulated) (Liposomal)	LC-MS/MS (Waters QPXE)	CD-1 Mice Plasma	0.4 to 400 µg / mL	K ₂ EDTA	Multiple dose	
	275	*Doxorubicinol	LC-MS/MS (API 6500)	Human Plasma	0.1 to 20 ng / mL	K ₃ EDTA	50mg / m2	
	276	Doxylamine	LC-MS/MS (API 3200)	Human Plasma	1 to 200 ng / mL	K ₂ EDTA	20 mg	
	277	Duloxetine	LC-MS/MS (API 3200)	Human Plasma	0.5 to 200 ng/mL	Heparin	60 mg	
	278	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	279	Efavirenz	LC-MS (API 150)	Human Plasma	0.02 to 5 µg / mL	Sodium heparin	-	
	280	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	-	
	281	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	-	
	282	Eprosartan	LC-MS/MS (Thermo)	Human Plasma	5 to 3840 ng / mL	K ₂ EDTA	-	
	283	Esomeprazole	LC-MS/MS (Thermo)	Human Plasma	1 to 2000 ng / mL	K ₂ EDTA	20 mg	
	284	Etodolac	HPLC-UV	Human Plasma	0.25 to 32 µg / mL	Heparin	-	
	285	Ethinyl Estradiol	LC-MS/MS (Thermo)	Human Plasma	3 to 128 pg / mL	K ₂ EDTA	0.03 mg	
	286	Ethinyl Estradiol	LC-MS/MS (API 6500)	Human Plasma	0.5 to 125 pg / mL	K ₂ EDTA	20 mcg	
	287	Exemestane	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	25 mg	
288	Exemestane	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K ₂ EDTA	25 mg		

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
Location : India								
INDIA	289	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	-	
	290	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	-	
	291	Efavirenz	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 6000 ng / mL	K ₂ EDTA	600 mg	
	292	Efavirenz	LC-MS/MS (API 4000)	Human Plasma	10 to 6000 ng / mL	K ₂ EDTA	600 mg	
	293	*Ethinyl estradiol	LC-MS/MS (Thermo)	Human Plasma	2 to 300 pg / mL	K ₂ EDTA	0.035mg / 0.07 mg	
	294	*Ethinyl estradiol	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	0.5 to 200 pg / mL	K ₂ EDTA	0.02 mg	
	295	*Ethinyl Estradiol	LC-MS/MS (API 6500)	Human Plasma	0.5 to 125 pg / mL	K ₂ EDTA	20 mcg	
	296	Emtricitabin	LC-MS/MS (API 4000)	Human Plasma	20 to 6000 ng / mL	K ₂ EDTA	200 mg	
	297	Efavirenz	LC-MS/MS (API 4000)	Human Plasma	5 to 5000 ng / mL	K ₂ EDTA	600 mg	
	298	Endoxifen	LC-MS/MS (Thermo)	Human Plasma	25 to 10000 pg /mL	K ₂ EDTA	0.5mg to 4.0 mg (Multiple dosing)	
	299	Endoxifen	LC-MS/MS (API 3200)	Human Plasma	0.5 to 200 ng / mL	K ₂ EDTA	40 mg	
	300	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	-	
	301	Entacapone	LC-MS/MS (API 3200)	Human Plasma	5 to 4000 ng / mL	Sodium heparin	200 mg	
	302	Eplerenone	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2500 ng / mL	Sodium heparin	50 mg	
	303	Eprosartan	LC-MS/MS (API 2000)	Human Plasma	10 to 5000 ng / mL	Heparin	300 mg	
	304	Erlotinib	LC-MS/MS (API 3200)	Human Plasma	3 to 3000 ng / mL	K ₂ EDTA	150 mg	
	305	Erlotinib	LC-MS/MS (API 4000)	Human Plasma	3 to 3000 ng / mL	K ₂ EDTA	150 mg	yes
306	Esomeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 3000 ng / mL	K ₂ EDTA	20 mg		
307	Esomeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 4000 ng / mL	K ₂ EDTA	40 mg		
308	*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)		
309	*17 β-Estradiol	LC-MS/MS (Thermo)	Human Plasma	2 to 100 pg / mL	K ₂ EDTA	10 mcg / 20 mcg		

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	310	*17 β-Estradiol	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	2 to 600 pg / mL	K ₃ EDTA	1.5 mg	
	311	*17 β-Estradiol	LC-MS/MS (Thermo)	Human Plasma	2 to 800 pg / mL	K ₂ EDTA	0.01 % vaginal cream	
INDIA	312	*17 β-Estradiol	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	1 to 100 pg / mL	K ₂ EDTA	1 mg	
	313	*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	-	
	314	*Estrone (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	0.3 to 60 ng / mL	K ₂ EDTA	1 mg of Estradiol	
	315	Etoricoxib	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 5000 ng / mL	K ₂ EDTA	120 mg	
	316	Exemestane	LC-MS/MS (Thermo)	Human Plasma	0.25 to 50 ng / mL	Sodium heparin	25 mg	
	317	*Ezetimibe (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 250 ng / mL	Sodium Heparin	10 mg	
	318	Ezetimibe (Unconjugated)	LC-MS/MS (API 4000)	Human Plasma	0.05 to 15 ng / mL	Sodium heparin	10 mg	
	319	Ezetimibe (Unconjugated)	LC-MS/MS (API 4000)	Human Plasma	0.075 to 30 ng / mL	Sodium Heparin	10 mg	
	320	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	321	Famotidine	HPLC-UV	Human Plasma	5 to 640 ng / mL	Heparin	-	
	322	Felodipine	LC-MS/MS (Thermo)	Human Plasma	0.05 to 13 ng / mL	K ₂ EDTA	10 mg	
	323	Fenofibric acid	LC-MS/MS (API 3000)	Human Plasma	50 to 19200 ng / mL	K ₂ EDTA	135 mg	
	324	Fenofibric acid	HPLC-UV	Human Plasma	50 to 12800 ng / mL	K ₂ EDTA	-	

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
325	Fenofibric acid	HPLC-UV	Human Plasma	10 to 5120 ng / mL	Sodium heparin	-	
326	Fenofibric acid	HPLC-UV	Human Plasma	50 to 12800 ng / mL	Sodium heparin	-	
327	Fenofibric acid	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 µg / mL	K ₂ EDTA	215 mg	
328	Fentanyl	LC-MS/MS (API 3000)	Human Plasma	0.02 to 20 ng / mL	Sodium heparin	-	
329	Fexofenadine	HPLC - Fluorescence	Human Plasma	5 to 640 ng / mL	Sodium heparin	-	
330	Fexofenadine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	180 mg	
331	Fingolimod	LC-MS/MS (Thermo)	Human Blood	25 to 500 pg / mL	K ₂ EDTA	3 X 0.5 mg	
332	Fingolimod Phosphate	LC-MS/MS (Waters QPXE)	Human Blood	75 to 4000 pg / mL	K ₂ EDTA	3 X 0.5 mg of fingolimod	
333	Fluconazole	HPLC-UV	Human Plasma	0.1 to 13 µg / mL	Sodium heparin	150 mg	
334	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	-	
335	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	-	
336	Flupenthixol	LC-MS/MS (API 3000)	Human Plasma	0.1 to 13 ng / mL	K ₂ EDTA	10 mg	
337	Fluticasone Propionate	LC-MS/MS (Thermo)	Human Plasma	1 to 32 pg / mL	K ₂ EDTA	-	
338	Fluticasone Propionate	LC-MS/MS (Thermo)	Human Plasma	5 to 640 pg / mL	K ₂ EDTA	-	
339	Fluvastatin	LC-MS/MS (Thermo)	Human Plasma	2 to 512 ng / mL	K ₂ EDTA	-	
340	Fluvoxamine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 64 ng / mL	Sodium heparin	-	
341	Fulvestrant	LC-MS/MS (Thermo)	Dog Plasma	0.5 to 40 ng / mL	Sodium heparin	50 mg	
342	Fulvestrant	LC-MS/MS (Thermo)	Human Plasma	0.05 to 40 ng / mL	K ₂ EDTA	50 mg	

CANADA

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
Location : India							
343	Febuxostat	LC-MS/MS (API 3200)	Human Plasma	10 to 8000 ng / mL	K ₂ EDTA	80 mg	
344	Febuxostat	LC-MS/MS (API 3200)	Human Plasma	10 to 12000 ng / mL	K ₂ EDTA	120 mg	
345	Fenofibric acid	LC-MS/MS (API 3200)	Human Plasma	0.1 to 20 µg / mL	K ₂ EDTA	135 mg	
346	Fenofibric acid	LC-MS/MS (API 3200)	Human Plasma	0.1 to 40 µg /mL	K ₂ EDTA	267 mg	
347	Fenspiride	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 700 ng/mL	K ₂ EDTA	80 mg	
348	Fenspiride	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2000 ng /mL	K ₂ EDTA	80 mg (steady state)	
349	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	-	
350	*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	-	
351	Finasteride	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 80 ng / mL	Heparin	5 mg	
352	Finasteride	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 30 ng / mL	Heparin	1 mg	
353	*Fingolimod	LC-MS/MS (API 4000)	Human Blood	25 to 3000 pg / mL	K ₂ EDTA	3 X 0.5 mg	
354	*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	
355	*Fingolimod Phosphate	LC-MS/MS (Thermo)	Human Blood	75 to 4000 pg / mL	K ₂ EDTA	3 X 0.5 mg of fingolimod	
356	*Fingolimod Phosphate	LC-MS/MS (API 6500)	Human Blood	50 to 4000 pg / mL	K ₂ EDTA	3 X 0.5 mg of fingolimod	
357	Flucloxacilin	HPLC-UV	Human Plasma	0.3 to 20 µg / mL	NA	500 mg	
358	Flucloxacillin	LC-MS/MS (Waters QPXE)	Human Plasma	0.050 to 50 µg / mL	K ₂ EDTA	500 mg	
359	Flucloxacillin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 100 µg / mL	K ₂ EDTA	1 gm	

INDIA

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	360	Fluconazole	LC-MS/MS (API 2000)	Human Plasma	50 to 10000 ng / mL	K ₂ EDTA	150 mg	
	361	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	-	
	362	Fluoxetine	LC-MS/MS (API 3200)	Human Plasma	2.5 to 50 ng /mL	K ₂ EDTA	40 mg	
	363	Fluoxetine	LC-MS/MS (API 3200)	Human Plasma	2.5 to 100 ng /mL	K ₂ EDTA	60 mg	
	364	Fluoxetine	LC-MS/MS (API 4000)	Human Plasma	0.5 to 10 ng /mL	K ₂ EDTA	10 mg	
	365	*Fluticasone Propionate	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	2 to 200 pg / mL	K ₂ EDTA	500 µg	
	366	Fluvastatin	LC-MS/MS (API 4000)	Human Plasma	0.5 to 500 ng / mL	Heparin	40 mg / 80 mg	
	367	*Fluvastatin (R & S)	LC-MS/MS (API 4000)	Human Plasma	0.5 to 200 ng / mL	Heparin	40 mg	
	368	*Fluvastatin (R & S)	LC-MS/MS (API 4000)	Human Plasma	1 to 400 ng / mL	Heparin	80 mg	
	369	Fulvestrant	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 20 ng /mL	K ₂ EDTA	250 mg	
	370	Furosemide	LC-MS/MS (API 3200)	Human Plasma	5 to 2000 ng / mL	K ₂ EDTA	40 mg	
371	Furosemide	LC-MS/MS (API 3200)	Human Plasma	5 to 4000 ng / mL	K ₂ EDTA	80 mg		
G								
Location : Canada								
CANADA	372	Gabapentin	LC-MS/MS (API 3000)	Human Plasma	75 to 9600 ng / mL	K ₂ EDTA	600 mg	
	373	Galantamine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 63 ng / mL	K ₂ EDTA	8 mg	
	374	Ganciclovir	HPLC - Fluorescence	Human Plasma	30 to 1920 ng / mL	K ₃ EDTA	-	

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	375	Gatifloxacin	HPLC - Fluorescence	Human Plasma	25 to 6400 ng / mL	K ₃ EDTA	-	
	376	Glimepiride	LC-MS/MS (API 300 or 3000)	Human Plasma	2 to 1024 ng / mL	K ₃ EDTA	4 mg	
	377	Glipizide	HPLC-UV	Human Plasma	10 to 640 ng / mL	K ₂ EDTA	-	
	378	Glipizide	LC-MS (API 150)	Human Plasma	10 to 640 ng / mL	K ₂ EDTA	-	
	379	Glipizide	LC-MS/MS (API 300 or 3000)	Human Plasma	10 to 1280 ng / mL	K ₂ EDTA	-	
	380	Glipizide	LC-MS/MS (API 3000)	Human Plasma	2.5 to 640 ng / mL	K ₂ EDTA	10 mg	
	381	Glyburide	LC-MS (API 150)	Human Plasma	2 to 128 ng / mL	K ₃ EDTA	-	
	382	Griseofulvin	LC-MS/MS (API 300 or 3000)	Human Plasma	15 to 3840 ng / mL	K ₃ EDTA	-	
	383	Granisetron	LC-MS/MS (Thermo)	Human Plasma	0.02 to 10 ng / mL	K ₂ EDTA	-	
	384	Guaifenesin	LC-MS	Human Plasma	10 to 1280 ng / mL	K ₂ EDTA	-	
	385	Guaifenesin	LC-MS/MS (Thermo)	Human Plasma	10 to 5120 ng/mL	K ₂ EDTA	-	
Location : India								
INDIA	386	Gabapentin	LC-MS/MS (API 3200)	Human Plasma	50 to 7500 ng / mL	K ₂ EDTA	400 / 800 mg	
	387	Gabapentin	LC-MS/MS (API 2000)	Human Plasma	150 to 10000 ng / mL	K ₂ EDTA	1200 / 800 mg	
	388	Galantamine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 75 ng / mL	K ₂ EDTA	8 mg	
	389	Gemcitabine	LC-MS/MS (API 3200)	Human Plasma	0.1 to 35 µg / mL	K ₂ EDTA	1000 mg / m2	
	390	Gemcitabine	LC-MS/MS (API 3200)	Human Plasma	0.1 to 35 µg / mL	Sodium heparin	1000 mg / m2	

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	391	Gliclazide	LC-MS/MS (API 3200)	Human Plasma	0.1 to 10 µg / mL	K ₂ EDTA	80 mg	
	392	Gliclazide	LC-MS/MS (API 3200)	Human Plasma	5 to 5000 ng / mL	K ₂ EDTA	60 mg	
	393	Gliclazide	LC-MS/MS (API 3200)	Human Plasma	5 to 2000 ng / mL	K ₂ EDTA	30 mg	
	394	Glimepiride	LC-MS/MS (API 2000)	Human Plasma	3 to 600 ng / mL	Heparin	4 mg	
	395	Glipizide	LC-MS/MS (Waters QPXE)	Human Plasma	2.5 to 1000 ng / mL	K ₂ EDTA	10 mg	
	396	*Glucagon	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	0.2 to 10 ng / mL	K ₂ EDTA	1 mg/vial	
	397	*Glycopyrronium	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	5 to 400 pg / mL	K ₂ EDTA	50 mcg	
	398	Guaifenesin	LC-MS/MS (API 4000)	Human Plasma	5 to 5000 ng / mL	K ₂ EDTA	1200 mg	
H								
Location : Canada								
CANADA	399	Hydrocodone	LC-MS/MS (Thermo)	Human Plasma	0.4 to 51 ng / mL	K ₂ EDTA	7.5 mg / 5 mL	
	400	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	-	
	401	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	-	
	402	Hydrochlorthiazide	LC-MS (API 150)	Human Plasma	5 to 1280 ng / mL	K ₂ EDTA	12.5 mg to 25 mg	
	403	Hydromorphone	LC-MS/MS (Thermo)	Human Plasma	50 to 15000 pg / mL	K ₂ EDTA	32 mg	
	404	Hydromorphone	LC-MS/MS (Thermo)	Human Plasma	0.05 to 6 ng / mL	K ₂ EDTA	16 mg	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
Location : India							
INDIA	405	Hydralazine	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 125 ng / mL	K ₂ EDTA	50 mg
	406	Hydrochlorothiazide	LC-MS/MS (API 4000)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	25 mg / 12.5 mg
	407	Hydrochlorothiazide	LC-MS/MS (API 4000)	Human Plasma	2 to 400 ng / mL	K ₂ EDTA	50 mg
	408	Hydrochlorothiazide	LC-MS/MS (API 3200)	Human Plasma	2 to 600 ng / mL	K ₂ EDTA	50 mg / 25 mg
	409	Hydrochlorthiazide	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
	410	Hydrochlorthiazide	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
	411	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
	412	Hydrocortisone	LC-MS/MS (API 3200)	Human Urine	0.25 to 100 ng / mL	Not applicable	-
	413	*Hydrocortisone	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K ₂ EDTA	20 mg
414	Hydroxychloroquine	LC-MS/MS (API 3200)	Human Blood	5 to 500 ng / mL	K ₂ EDTA	200 mg	
415	5-Hydroxytryptophan	LC-MS/MS (API 4000)	Human Plasma	10 to 1000 ng / mL	K ₂ EDTA	100 mg	
I							
Location : Canada							
CANADA	416	Ibuprofen	HPLC-UV	Human Plasma	0.4 to 512 µg / mL	Sodium heparin	200 mg
	417	Ibuprofen	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 50 µg / mL	K ₂ EDTA	600 mg
	418	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

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	419	Imatinib	LC-MS/MS (Thermo)	Human Plasma	5 to 3500 ng / mL	K ₂ EDTA	400 mg	
	420	Indapamide	HPLC-UV	Human Whole Blood	10 to 1280 ng / mL	Heparin	-	
	421	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	-	
	422	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	-	
INDIA	423	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	
Location : India								
INDIA	424	*Ibandronate	LC-MS/MS (Thermo)	Human Plasma	0.1 to 100 ng / mL	Heparin	50 mg	
	425	*Ibandronate	LC-MS/MS (API 4000)	Human Plasma	0.75 to 300 ng / mL	Heparin	150 mg	
	426	*Ibuprofen (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 µg/ mL	Heparin	200 mg	
	427	*Ibuprofen (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 µg/ mL	Heparin	600 mg	
	428	Ibuprofen	HPLC-UV	Human Plasma	1 to 100 µg / mL	Heparin	800 mg	
	429	Ibuprofen	LC-MS/MS (API 3200)	Human Plasma	0.1 to 40 µg / mL	Sodium heparin	200 mg	
	430	Ibuprofen	LC-MS/MS (API 3200)	Human Plasma	0.1 to 90 µg / mL	K ₂ EDTA / Heparin	400 mg	
	431	Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3500 ng / mL	K ₂ EDTA	400 mg	
	432	Imatinib	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 7500 ng / mL	K ₂ EDTA	400 mg (multiple dosing)	
	433	Imatinib	LC-MS/MS (API 4000)	Human Plasma	2 to 800 ng / mL	K ₂ EDTA	100 mg	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
434	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	-	
435	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	-	
436	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	-	
437	Irbesartan	LC-MS/MS (API 3200)	Human Plasma	10 to 10000 ng / mL	Sodium heparin	300 mg	
438	Iron Sucrose (Total Iron)	Vitros 5.1,FS	Human Serum	100.050 to 4504.500 µg/mL	NA	20mg/mL	Yes
	Iron Sucrose(Transferrin Bound Iron)	Vitros 5.1,FS	Human Serum	20.007 to 560.560µg/mL			
439	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	-	
440	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	-	
441	Isosorbide	LC-MS/MS (Shimadzu 8060)	Human Plasma	10 to 2000 ng / mL	K ₂ EDTA	120 mg	
442	*Isotretinoin	LC-MS/MS (API 4000)	Human Plasma	10 to 1500 ng / mL	K ₂ EDTA	40 mg	
443	Isotretinoin	LC-MS/MS (Shimadzu 8060)	Human Plasma	0.5 to 1500 ng / mL	K ₂ EDTA	40 mg (fed study)	
444	*Isotretinoin	LC-MS/MS (Shimadzu 8060)	Human Plasma	0.5 to 600 ng / mL	K ₂ EDTA	40 mg (fasting study)	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
K							
Location : India							
INDIA	445	Isoniazid	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 10000 ng / mL	K ₂ EDTA	300mg/200 mg/100 mg
	446	*Isotretinoin	LC-MS/MS (Waters QPXE)	Sprague Dawley Rat	0.75 to 500 ng / mL	NA	NA
	447	*Isotretinoin	LC-MS/MS (Waters QPXE)	Rabbit Skin	0.75 to 500 ng / mL	NA	NA
	448	Ivabradine	LC-MS/MS (API 3200)	Human Plasma	0.1 to 100 ng / mL	K ₂ EDTA	7.5 mg
	449	3-Ketodesogestrel	LC-MS/MS (Thermo)	Human Plasma	20 to 5000 pg / mL	K ₂ EDTA	0.3 mg of desogestrel
	450	*6-Keto prostaglandin F1 α	LC-MS/MS (Shimadzu 8040)	Human Urine	0.125 to 10 ng / mL	NA	NA
	451	Ketoconazole	HPLC - Fluorescence	Human Plasma	0.05 to 5 μ g / mL	CPD	200 mg
L							
Location : Canada							
CANADA	452	Lamotrigine	LC-MS/MS (Thermo)	Human Plasma	10 to 1280 ng / mL	Sodium heparin	50 mg
	453	Lansoprazole	LC-MS/MS (API 300 or	Human Plasma	2 to 4096 ng / mL	Sodium heparin	30 mg
	454	Leuprolide	LC-MS/MS (Thermo)	Human Plasma	0.025 to 13 ng / mL	K ₂ EDTA	-
	455	Letrozole	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	K ₂ EDTA	2.5 mg
	456	Levetiracetam	LC-MS (API 150)	Human Plasma	0.5 to 24 μ g / mL	K ₃ EDTA	-
	457	Levetiracetam	LC-MS/MS (API 3000)	Human Plasma	0.375 to 48 μ g / mL	K ₂ EDTA	1 gm
	458	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	0.25 to 64 ng / mL	Lithium heparin	-
	459	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	0.25 to 128 ng / mL	Heparin	-
	460	Lisinopril	LC-MS/MS (API 300 or 3000)	Human Plasma	1 to 256 ng / mL	Lithium heparin	-
	461	Loperamide	LC-MS/MS (Thermo)	Human Plasma	0.05 to 6 ng / mL	K ₂ EDTA	2 mg

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	462	Loratadine	LC-MS/MS (API 3000)	Human Plasma	0.1 to 51 ng / mL	Heparin	-	
	462	Descarboethoxyloratadine	LC-MS/MS (API 3000)	Human Plasma	0.1 to 51 ng / mL	Heparin	-	
	462	Pseudoephedrine	LC-MS/MS (API 3000)	Human Plasma	2.5 to 1280 ng / mL	Heparin	-	
	463	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	-	
	464	Loratadine	LC-MS/MS (API 6500)	Human Plasma	5 to 5000 pg / mL	K ₂ EDTA	5mg	Yes
		Descarboethoxyloratadine	LC-MS/MS (API 6500)	Human Plasma	10 to 10000 pg / mL	K ₂ EDTA	-	Yes
		Pseudoephedrine	LC-MS/MS (API 6500)	Human Plasma	2.5 to 1250 ng / mL	K ₂ EDTA	120 mg	Yes
	465	Lormetazepam	LC-MS/MS (Thermo)	Human Plasma	0.06 to 8 ng / mL	K ₂ EDTA	-	
	466	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	-	
	467	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	468	Lacidipine	LC-MS/MS (API 4000)	Human Plasma	0.025 to 20 ng / mL	K ₂ EDTA	4 mg / 6 mg	
	469	Lacosamide	LC-MS/MS (API 3200)	Human Plasma	25 to 10000 ng / mL	K ₂ EDTA	200 mg	
	470	Lamivudine	LC-MS/MS (API 2000)	Human Plasma	25 to 3000 ng / mL	Heparin	150 mg	
	471	Lamivudine	LC-MS/MS (Thermo)	Human Plasma	25 to 6000 ng / mL	K ₂ EDTA	300 mg	
	472	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	
	473	Lamotrigine	LC-MS/MS (API 3200)	Human Plasma	25 to 6000 ng / mL	K ₂ EDTA	200 mg	
	474	Lansoprazole	LC-MS/MS (API 3200)	Human Plasma	10 to 2000 ng / mL	Heparin	30 mg	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
475	Lapatinib	LC-MS/MS (API 2000)	Human Plasma	15 to 6000 ng / mL	K ₂ EDTA	1250 mg	
476	Lenalidomide	LC-MS/MS (API 3200)	Human Plasma	1 to 600 ng / mL	K ₂ EDTA	10 mg	
477	Lenalidomide	LC-MS/MS (API 3200)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	25 mg	
478	Lercanidipine	LC-MS/MS (API 3200)	Human Plasma	0.025 to 12 ng / mL	Heparin	20 mg	
479	*Lercanidipine (R & S)	LC-MS/MS (Shimadzu 8040)	Human Plasma	10 to 4000 pg / mL	Sodium heparin	10 mg	
480	*Lercanidipine (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	0.05 to 12 ng / mL	Heparin	20 mg	
481	*Lercanidipine (R & S)	LC-MS/MS (Shimadzu 8060)	Human Plasma	10 to 16000 pg / mL	Sodium heparin	20 mg	
482	Letrozole	LC-MS/MS (API 3200)	Human Plasma	1 to 80 ng / mL	Heparin	2.5 mg	
483	Levetiracetam	LC-MS/MS (API 3200)	Human Plasma	0.25 to 40 µg / mL	Heparin	1000 mg	
484	Levocetirizine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 500 ng / mL	K ₂ EDTA	5 mg	
485	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	
486	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	
487	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	
488	Levofloxacin	HPLC-UV	Human Plasma	0.1 to 12 µg / mL	Heparin	500 mg	
489	Levonorgestrel	LC-MS/MS (API 4000)	Human Plasma	0.2 to 75 ng / mL	K ₂ EDTA	1.5 mg	
490	Levonorgestrel	LC-MS/MS (API 3200)	Human Plasma	0.2 to 50 ng / mL	K ₂ EDTA	1.5 mg	
491	Levonorgestrel	LC-MS/MS (API 4000)	Human Plasma	0.05 to 15 ng / mL	K ₂ EDTA	0.15 mg	
492	*Levothyroxin (T4)	LC-MS/MS (API 3200)	Human Serum	5 to 300 ng / mL	NA	600 mcg	
493	Linagliptin	LC-MS/MS (Waters QPXE)	Human Plasma	0.102 to 10 ng / mL	K ₂ EDTA	2.5 mg / 5 mg	

INDIA

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
494	Linezolid	LC-MS/MS (API 3200)	Human Plasma	50 to 25000 ng / mL	K ₂ EDTA	600 mg	
495	Lisinopril	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 400 ng / mL	K ₂ EDTA	40 mg	
496	Lisinopril	LC-MS/MS (Thermo)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	10 mg	
497	Lisinopril	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	10 mg	
498	Lithium Carbonate	Vitros 5.1,FS	Human Serum	0.274 to 3.754 mmol/L	NA	450mg	
499	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	-	
500	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	
501	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	
502	Lornoxicam	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 2500 ng / mL	K ₂ EDTA	8 mg	
503	Loratadine	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 15 ng / mL	K ₂ EDTA	10 mg	
504	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	-	
505	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	-	
506	Losartan	LC-MS/MS (API 3200)	Human Plasma	2 to 800 ng / mL	K ₂ EDTA	50 mg	
507	Losartan	LC-MS/MS (API 3200)	Human Plasma	2 to 1500 ng / mL	K ₂ EDTA	100 mg	
508	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	

INDIA

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	509	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	
	510	*15-hydroxy lubiprostone	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	1 to 100 pg / mL	K ₂ EDTA	48 mcg of lubiprostone	
	511	Lumefantrine	LC-MS/MS (API 4000)	Human Plasma	50 to 20250 ng / mL	K ₂ EDTA	480 mg	
	512	Lurasidone	LC-MS/MS (API 4000)	Human Plasma	0.1 to 100 ng / mL	K ₂ EDTA	40 mg	
	513	Lurasidone	LC-MS/MS (API 3200)	Human Plasma	0.1 to 100 ng / mL	K ₂ EDTA	40 mg	
	514	Lurasidone	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 200 ng / mL	K ₂ EDTA	40 mg	
	515	*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	516	Meclizine	LC-MS/MS (API 3000)	Human Plasma	1.01 to 256 ng / mL	K ₂ EDTA	25 mg	
	517	Mefanamic Acid	HPLC-UV	Human Plasma	50 to 6400 ng / mL	K ₂ EDTA	-	
	518	Mefanamic Acid	LC-MS/MS (API 3000)	Human Plasma	50 to 12800 ng / mL	K ₂ EDTA	250 mg	
	519	Medroxyprogesterone Acetate	LC-MS/MS (API 3000)	Human Plasma	0.02 to 10 ng / mL	Sodium heparin	-	
	520	Medroxyprogesterone Acetate	LC-MS/MS (Thermo)	Human Plasma	50 to 10000 pg/mL	Sodium heparin	150 mg	
	521	Megestrol Acetate	LC-MS/MS (Thermo)	Human Plasma	0.3 to 153.6 ng/mL	K ₂ EDTA	40 mg / mL	
	522	Meloxicam	HPLC-UV	Human Plasma or Dog Plasma	0.03 to 1.92 µg / mL	K ₂ EDTA	-	
	523	Meloxicam	LC-MS/MS (API 3000)	Human Urine	1 to 128 ng / mL	Not applicable	-	
	524	Meloxicam	LC-MS/MS (API 3000)	Human Plasma	10 to 2560 ng / mL	K ₂ EDTA	15 mg	
525	Metaxalone	HPLC-UV	Human Plasma	1 to 256 µg / mL	Heparin	-		

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	526	Metaxalone	HPLC-UV	Human Plasma	1 to 256 µg / mL	K ₃ EDTA	-	
	527	Metaxalone	LC-MS (API 150)	Human Plasma	5 to 2560 ng / mL	K ₃ EDTA	-	
	528	Methylphenidate	LC-MS/MS (Thermo)	Human Plasma	0.1 to 50 ng / mL	K ₂ EDTA	-	
	529	Methylprednisolone	LC-MS/MS (API 3000)	Human Plasma	0.4 to 51 ng / mL	Sodium fluoride potassium oxalate	-	
	530	Metoprolol	LC-MS/MS (API 3000)	Human Plasma	1 to 512 ng / mL	Sodium heparin	200 mg	
	531	Metformin	LC-MS/MS (API 3000)	Human Plasma	10.01 to 2002 ng / mL	K ₂ EDTA	1000 mg	
	532	Metformin	LC-MS (API 150)	Human Urine	2 to 256 µg / mL	Not applicable	1000 mg	
	533	Methazolamide	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 10000 ng / mL	K ₂ EDTA	150 mg	
	534	Methazolamide	LC-MS/MS (Waters QPXE)	Human Whole Blood	100 to 50000 ng / mL	K ₂ EDTA	150 mg	
	535	Minocycline	LC-MS/MS (Thermo)	Human Plasma	4 to 3500 ng / mL	K ₂ EDTA	45 mg to 135 mg	
	536	Mirtazapine	LC-MS/MS (API 300 or 3000)	Human Plasma	0.5 to 128 ng / mL	Sodium heparin	-	
	537	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	-	
	538	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		
	539	Mycophenolic Acid	HPLC-UV	Human Plasma	0.1 to 51 µg / mL	K ₂ EDTA	-	
	540	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	-	
	541	6-Methoxy-2-Naphthaleneacetic Acid	HPLC - Fluorescence	Human Plasma	0.5 to 32 µg / mL	Heparin	-	

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
Location : India							
542	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	
543	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	
544	*Medroxy Progesterone Acetate	LC-MS/MS (Thermo)	Human Plasma	50 to 8000 pg / mL	Sodium Heparin	150 mg	
545	Megestrol Acetate	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	160 mg	
546	Melatonin	LC-MS/MS (API 4000)	Human Plasma	25 to 10000 pg / mL	K ₂ EDTA	5 mg	
547	Meloxicam	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 3000 ng / mL	K ₂ EDTA	15 mg	
548	Memantine	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	10 mg	
549	Memantine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 50 ng / mL	K ₂ EDTA	20 mg	
550	Memantine	LC-MS/MS (API 3200)	Human Plasma	0.5 to 50 ng / mL	K ₂ EDTA	20 mg	
551	Memantine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	28 mg	
552	*6-Mercaptopurine	LC-MS/MS (Waters QPXE)	Human Plasma	0.75 to 500 ng / mL	K ₂ EDTA	100 mg	
553	Mesalamine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 700 ng / mL	K ₂ EDTA	1000 mg	
554	Mesalamine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3000 ng / mL	K ₂ EDTA	1.2 gm	
555	Metformin	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1600 ng / mL	Sodium heparin	500 mg	
556	Metformin	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3500 ng / mL	Sodium heparin	1000 mg	
557	Metformin	LC-MS/MS (API 3200)	Human Plasma	5 to 1600 ng / mL	Sodium heparin	500mg	Yes
557	Methotrexate	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 1500 ng / mL	K ₂ EDTA	2.5 mg multiple dose	
558	*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	
559	Metoprolol	LC-MS/MS (API 4000)	Human Plasma	0.3 to 50 ng / mL	Heparin	23.75 mg	
560	Metoprolol	LC-MS/MS (API 3200)	Human Plasma	0.2 to 100 ng / mL	Heparin	47.5 / 50 mg	
561	Metoprolol	LC-MS/MS (API 3200)	Human Plasma	0.75 to 300 ng / mL	Sodium Heparin	100 / 200 mg	

INDIA

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	562	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	-	
	563	Milnacipran	LC-MS/MS (Thermo)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	50 mg	
	564	Minocycline	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 3000 ng / mL	Heparin	90 mg	
	565	Minocycline	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 3500 ng / mL	K ₂ EDTA	135 mg	
	566	Minoxidil	LC-MS/MS (API 4000)	Human Serum	50 to 4000 pg / mL	NA	5% lipid solution	Yes
	566	Mirabegron	LC-MS/MS (API 3200)	Human Plasma	0.2 to 100 ng / mL	K ₂ EDTA	50 mg	
	567	Mirabegron	LC-MS/MS (API 4000)	Human Plasma	0.1 to 75 ng / mL	K ₂ EDTA	50mg	
	568	Misoprostol Acid	LC-MS/MS (API 6500)	Human Plasma	5 to 750 pg / mL	K ₂ EDTA	0.2 mg (fed study)	
	569	*Misoprostol Acid	LC-MS/MS (API 4000)	Human Plasma	10 to 1700 pg / mL	K ₂ EDTA	0.2 mg (fasting study)	
	570	Moexipril	LC-MS/MS (API 4000)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	15 mg	
	571	Monomethyl Fumarate	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 6000 ng / mL	K ₂ EDTA	240 mg DMF	
	572	Montelukast	LC-MS/MS (API 3200)	Human Plasma	5 to 1000 ng / mL	Heparin	10 mg	
	573	Montelukast	LC-MS/MS (API 3200)	Human Plasma	5 to 500 ng / mL	Heparin	5 mg	
	574	Moxifloxacin	LC-MS/MS (Waters QPXE)	Human Plasma	15 to 6000 ng / mL	Heparin	400 mg	
	575	Moxifloxacin	LC-MS/MS (API 4000)	Human Plasma	15 to 6000 ng / mL	Sodium heparin	400 mg	
	576	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	-	
577	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	-		
578	Mycophenolic acid	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 µg / mL	K ₂ EDTA	360 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	579	Mycophenolic acid	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 15000 ng / mL	K ₂ EDTA	180 mg	
	580	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	581	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	-	
	582	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	-	
	583	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	-	
	584	Naproxen	HPLC - Fluorescence	Human Plasma	0.5 to 128 µg / mL	Heparin	-	
	585	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	-	
	586	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	-	
	587	Nifedipine	LC-MS (API 150)	Human Plasma	0.5 to 200 ng / mL	K ₃ EDTA	60 mg	
	588	Nifedipine	LC-MS/MS (API 3000)	Human Plasma	0.5 to 200 ng / mL	K ₂ EDTA	60 mg	
	589	Nitrofurantoin	HPLC-UV	Human Plasma	20 to 2560 ng / mL	Sodium heparin	-	
	590	Nizatidine	HPLC-UV	Human Plasma	10 to 5120 ng / mL	Heparin	300 mg	
Desmethylnizatidine		HPLC-UV	Human Plasma	5 to 2560 ng / mL	Heparin	-		

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	591	Norfloxacin	HPLC - Fluorescence	Human Plasma	20 to 2560 ng / mL	K ₃ EDTA	-	
	592	Nortriptyline	HPLC-UV	Human Plasma	1 to 64 ng / mL	K ₃ EDTA	-	
	593	Norethindrone	LC-MS/MS (Thermo)	Human Plasma	50 to 15000 pg / mL	K ₂ EDTA	0.35 mg / 1 mg	
Location : India								
INDIA	594	*Nabilone	LC-MS/MS (Thermo)	Human Plasma	40 to 5000 pg / mL	K ₂ EDTA	0.3 mg	
	595	Nadolol	LC-MS/MS (API 4000)	Human Plasma	0.25 to 45 ng / mL	K ₂ EDTA	20 mg	
	596	Nadolol	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng / mL	K ₂ EDTA	80 mg	
	597	Naltrexone	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 35500 pg / mL	Heparin	50 mg	
	598	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	-	
	599	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	-	
	600	Naratriptan	LC-MS/MS (API 3200)	Human Plasma	0.1 to 20 ng / mL	Heparin	2.5 mg	
	601	Naproxen	LC-MS/MS (API 2000)	Human Plasma	500 to 50000 ng /mL	K ₂ EDTA	200 mg	
	602	Naproxen	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 120 µg / mL	K ₂ EDTA	500 mg	
	603	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	
	604	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	
605	Nateglinide	LC-MS/MS (API 3200)	Human Plasma	0.1 to 10 µg / mL	K ₂ EDTA	120 mg		
606	Nebivolol	LC-MS/MS (API 4000)	Human Plasma	0.075 to 20 ng / mL	Heparin	20 mg		
607	Nevirapine	HPLC-UV	Human Plasma	100 to 4000 ng / mL	CPD	200 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	608	*Niacin	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 2000 ng / mL	K ₂ EDTA	1000 mg / 750 mg	
	609	*Niacin	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 250 ng / mL	K ₂ EDTA	500 mg	
	610	*Niacin	LC-MS/MS (Waters QPXE)	Human Plasma	4 to 2000 ng / mL	K ₂ EDTA	1000 mg	
		*Nicotinuric acid	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 1500 ng / mL	K ₂ EDTA	-	
	611	Nicorandil	LC-MS/MS (API 3200)	Human Plasma	0.5 to 500 ng / mL	K ₂ EDTA	20 mg	
	612	*Nicotine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 24 ng / mL	K ₂ EDTA	4 mg	
	613	*Nicotine	LC-MS/MS (Thermo)	Human Plasma	1 to 25 ng / mL	K ₂ EDTA	4 mg	
	614	*S-Nicotine	LC-MS/MS (Thermo)	Human Plasma	2 to 50 ng / mL	K ₂ EDTA	52.5 mg	
	615	Nifedipine	LC-MS/MS (API 2000)	Human Plasma	2.5 to 250 ng / mL	K ₂ EDTA	60 mg / 90 mg	
	616	*Nitrazepam	LC-MS/MS (API 3200)	Human Plasma	0.2 to 100 ng / mL	K ₂ EDTA	5 mg	
	617	Nizatidine	HPLC-UV	Human Plasma	20 to 4000 ng / mL	K ₂ EDTA / Heparin	300 mg	
	618	Nomegestrol Acetate	LC-MS/MS (Shimadzu 8040)	Human Plasma	0.1 to 20 ng / mL	K ₃ EDTA	2.5 mg	
	619	19-Norethindrone	LC-MS/MS (API 4000)	Human Plasma	0.25 to 50 ng / mL	K ₂ EDTA	5 mg	
	620	19-Norethindrone	LC-MS/MS (Thermo)	Human Plasma	0.075 to 15 ng / mL	K ₂ EDTA	1 mg	
621	19-Norethindrone	LC-MS/MS (Thermo)	Human Plasma	50 to 15000 pg / mL	K ₂ EDTA	0.35 mg		
622	Nortriptyline	LC-MS/MS (Thermo)	Human Plasma	0.1 to 75 ng / mL	K ₂ EDTA	50 mg	yes	
623	Nortriptyline	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 20 ng / mL	K ₂ EDTA	25 mg		
O								
CANADA	Location : Canada							
	624	Olanzapine	LC-MS/MS (API 3000)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	10 mg	
	625	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	
	626	Omeprazole	LC-MS/MS (API 3000)	Human Plasma	1 to 1024 ng / mL	Sodium heparin	-	
	627	Omeprazole	LC-MS/MS (Thermo)	Human Plasma	5 to 3450 ng / mL	K ₂ EDTA	40 mg	
	628	Ondansetron	LC-MS/MS (API 3000)	Human Plasma	0.5 to 128 ng / mL	Lithium heparin	8 mg	
629	Oxcarbazepine	LC-MS/MS (API 3000)	Human Plasma	0.01 to 10 µg / mL	K ₂ EDTA	300 mg / 5 mL		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	630	10,11-dihydro-10-Hydroxycarbamazepine	LC-MS/MS (API 3000)	Human Plasma	0.05 to 51.2 µg / mL	K ₂ EDTA		
	631	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	-	
	632	Oxycodone	LC-MS/MS (Thermo)	Human Plasma	0.1 to 60 ng / mL	K ₂ EDTA	5 mg	
	633	Oxycodone	LC-MS/MS (Thermo)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	80 mg	
	634	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	-	
	635	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	-	
	636	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	-	
	637	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	-	
	638	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	-	
	639	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	
	640	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	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
Location : India							
641	*Orlistate (Fat analysis)	FT-IR	Human Fecal/ Human Food	0.25 to 10 g %	NA	60 mg / 120 mg	
642	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	-	
643	Olanzapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 ng / mL	Sodium heparin	5 mg	
644	Olanzapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 45 ng / mL	Sodium Heparin	10 mg	
645	Olmesartan	LC-MS/MS (API 3200)	Human Plasma	2.5 to 2200 ng / mL	K ₂ EDTA	40 mg	
646	Olmesartan	LC-MS/MS (API 3200)	Human Plasma	2.5 to 1500 ng / mL	K ₂ EDTA	20 mg	
647	Olmesartan	LC-MS/MS (API 3200)	Human Plasma	0.25 to 500 ng / mL	K ₂ EDTA	5 mg	
648	Omeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	10 mg	
649	Omeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 1500 ng / mL	K ₂ EDTA	20 mg	
650	Omeprazole	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 3500 ng / mL	K ₂ EDTA	40 mg	
651	Ondansetron	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 50 ng / mL	Heparin	8 mg	
652	Ondansetron	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 100 ng / mL	K ₂ EDTA	8 mg	
653	O-Desmethyl Venlafaxine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 350 ng / mL	K ₂ EDTA	50 mg	
654	O-Desmethyl Venlafaxine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 600 ng / mL	K ₂ EDTA	100 mg	
655	Ospemifene	LC-MS/MS (Waters QPXE)	Human Serum	3 to 2400 ng / mL	NA	60 mg	
656	*Oxazepam	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	50 mg	
657	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	-	
658	*Oxybutynin (S & R)	LC-MS/MS (API 4000)	Human Plasma	25 to 7500 pg / mL	K ₂ EDTA	5 mg	

INDIA

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	659	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	-	
	660	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	-	
P								
Location : Canada								
CANADA	661	Pantoprazole	LC-MS/MS (API 3000)	Human Plasma	20 to 5120 ng / mL	K ₂ EDTA	40 mg	
	662	Paroxetine	HPLC - Fluorescence	Human Plasma	0.2 to 50 ng / mL	Sodium heparin	-	
	663	Paroxetine	HPLC - Fluorescence	Human Plasma	1.6 to 200 ng / mL	Sodium heparin	-	
	664	Pentoxifylline	HPLC-UV	Human Plasma	5 to 240 ng / mL	K ₃ EDTA	-	
	665	Pergolide	LC-MS/MS (API 3000)	Human Plasma	0.2 to 1.28 ng / mL	Heparin	-	
	666	Phenylephrine (Total)	LC-MS/MS (Thermo)	Human Plasma	4 to 512 ng / mL	K ₂ EDTA	10 mg	
	667	Phenytoin	HPLC-UV	Human Plasma	0.04 to 2.56 µg / mL	K ₃ EDTA	-	
	668	Pramipexole	LC-MS/MS (Thermo)	Human Plasma	50 to 3200 pg / mL	K ₂ EDTA	-	
	669	*Prasugrel active metabolite (R-138727)	LC-MS/MS (Thermo)	Human Plasma	0.2 to 150 ng / mL	K ₂ EDTA	10 mg of Prasugrel	
	670	*Prasugrel inactive metabolite (R-95913)	LC-MS/MS (Thermo)	Human Plasma	0.25 to 127 ng / mL	K ₂ EDTA	10 mg of Prasugrel	
	671	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	-	
	672	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	-	
	673	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	-	
674	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	-		

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SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
Location : India							
675	Paclitaxel (Total)	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 4500 ng / mL	Heparin	175 mg	
676	Paclitaxel (Total)	LC-MS/MS (Waters QPXE)	Human Whole Blood	50 to 30000 ng / mL	Heparin	220 mg / m2 (IV)	
677	*Paclitaxel (Free)	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2000 ng / mL	Heparin	220 mg / m2 (IV)	
678	Paclitaxel (Total)	LC-MS/MS (API 6500)	Cynomolgus Monkey Plasma	25 to 25000ng / mL	K ₂ EDTA	100 mg	
679	Paclitaxel (Free)	LC-MS/MS (API 6500)	Cynomolgus Monkey Plasma	10 to 5000 ng / mL	K ₂ EDTA	21.7 (mg/kg)	Yes
680	*Paricalcitol	LC-MS/MS (Waters XEVO TQ-S)	Wistar Rat Plasma	50 to 30500 pg / mL	Sodium heparin	Multiple dose	
681	Paliperidone	LC-MS/MS (API 3200)	Human Plasma	0.5 to 40 ng / mL	K ₂ EDTA	6 mg	
682	Paracetamol	LC-MS/MS (API 3200)	Human Plasma	50 to 10000 ng / mL	K ₂ EDTA	300 mg / 500 mg	
683	Pantoprazole	LC-MS/MS (API 3200)	Human Plasma	2 to 5000 ng / mL	Heparin	40 mg	
684	Penicillin V	HPLC-UV	Human Plasma	0.1 to 4 µg / mL	Heparin	250 mg	
685	Perampanel	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 700 ng / mL	K ₂ EDTA	12 mg	
686	Perphenazine	LC-MS/MS (Waters QPXE)	Human Plasma	15 to 2500 pg / mL	K ₂ EDTA	16 mg	
687	Phenytoin	LC-MS/MS (API 3200)	Human Plasma	10 to 10000 ng / mL	K ₂ EDTA	300mg (3X100mg)	Yes
688	Phenyl butyrate	LC-MS/MS (API 3200)	Human Plasma	0.1 to 50 µg / mL	K ₂ EDTA	500 mg	
689	*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)	
690	*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)	
691	*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	-	
692	Pioglitazone	LC-MS/MS (API 2000)	Human Plasma	10 to 2500 ng / mL	Heparin	45 mg	

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
693	Pioglitazone	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 2500 ng / mL	Heparin	45 mg	
694	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	-	
695	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	
696	Piroxicam	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 4000 ng / mL	K ₂ EDTA	20 mg	
697	Potassium Chloride	Vitros 5.1,FS	Human Urine	2.041 to 150.358 mEq/L	NA	80mEq	Yes
698	Potassium Citrate (Analyte - Potassium)	Vitros 5.1,FS	Human Urine	2 to 150 mmol/L	NA	60 mEq (4 X 15 mEq)	
688	Pomalidomide	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 125 ng / mL	K ₂ EDTA	4 mg	
689	Pramipexole	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 1000 pg / mL	K ₂ EDTA	0.25 mg	
690	*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	
691	*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	
692	*Prasugrel active metabolite (R-138727)	LC-MS/MS (Thermo)	Human Plasma	0.2 to 150 ng/mL	K ₂ EDTA	10 mg of Prasugrel	
693	*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	
694	*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	
695	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	-	
696	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	-	
697	Pravastatin	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 600 ng / mL	K ₂ EDTA	40 mg/ 80 mg	
698	Prednisolone	LC-MS/MS (API 3200)	Human Plasma	2 to 1000 ng / mL	K ₂ EDTA	25 mg	
699	Prednisolone	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	K ₂ EDTA	5 mg	
700	Pregabalin	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 15000 ng / mL	K ₂ EDTA	300 mg	
701	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	702	Pregabalin	LC-MS/MS (Shimadzu 8040)	Human Plasma	20 to 5000 ng / mL	K ₂ EDTA	75 mg	
	703	Prochlorperazine	LC-MS/MS (API 4000)	Human Plasma	5 to 300 pg / mL	Heparin	5 mg	
	704	Prochlorperazine	LC-MS/MS (Shimadzu 8060)	Human Plasma	2 to 300 pg / mL	Sodium heparin	3 mg	
	705	*Progesterone	LC-MS/MS (Thermo)	Human Plasma	0.04 to 40 ng / mL	K ₂ EDTA	200 mg (fasting)	
INDIA	706	*Progesterone	LC-MS/MS (Waters QPXE)	Human Plasma	0.15 to 150 ng / mL	K ₂ EDTA	200 mg (fed)	
	707	*Progesterone	LC-MS/MS (Thermo)	Human Plasma	25 to 15000 pg / mL	K ₂ EDTA	100 mg	
	708	Proguanil	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 200 ng / mL	K ₂ EDTA	100 mg	
	709	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	-	
	710	Propafenone	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	300 mg / 500 mg	
	711	S-Propranolol (Total)	LC-MS/MS (API 3200)	Human Plasma	1 to 500 ng / mL	K ₂ EDTA	40 mg	
	712	Propylthiouracil	LC-MS/MS (Waters QPXE)	Human Plasma	7.5 to 4000 ng / mL	K ₂ EDTA	50 mg	
	713	Pseudoephedrine	LC-MS/MS (API 3200)	Human Plasma	2 to 400 ng / mL	Heparin	30 mg	
	714	Pyrazinamide	LC-MS/MS (Waters QPXE)	Human Plasma	75 to 30000 ng/mL	K ₂ EDTA	600 mg	
715	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							
	716	Quetiapine	LC-MS/MS (Thermo)	Human Plasma	1 to 1024 ng / mL	K ₂ EDTA	200 mg	
	717	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	20 mg	
INDIA	Location : India							
	718	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	-	
	719	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	-	
	720	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 350 ng / mL	Heparin	25 mg / 50 mg	
721	Quetiapine	LC-MS/MS (API 2000)	Human Plasma	2 to 400 ng / mL	K ₂ EDTA	50 mg		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	722	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	-	
	723	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	Sodium heparin	150 mg / 200 mg	
	724	Quetiapine	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 1000 ng / mL	K ₂ EDTA	150 mg / 200 mg	
	725	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	-	
	726	Quetiapine	LC-MS/MS (API 3200)	Human Plasma	20 to 2500 ng / mL	Sodium heparin	300 / 400 mg	
	727	Quinapril	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 500 ng / mL	K ₃ EDTA	10 mg	
728	Quinine	LC-MS/MS (Waters QPXE)	Human Plasma	25 to 5000 ng / mL	K ₂ EDTA	300 mg		
R								
Location : Canada								
CANADA	729	Rabeprazole	LC-MS/MS (API 3000)	Human Plasma	2 to 1024 ng / mL	K ₂ EDTA	20 mg	
	730	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	-	
	731	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	-	
	732	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	-	
	733	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	-	
	734	Ranitidine	LC-MS/MS (Thermo)	Human Plasma	15 to 1920 ng / mL	K ₂ EDTA	300 mg	
	735	Rifabutin	LC-MS (API 150)	Human Plasma	10 to 1280 ng / mL	K ₂ EDTA	-	
25-O-Desacetylrifabutin		LC-MS (API 150)	Human Plasma	2.5 to 320 ng / mL	K ₂ EDTA	-		
Clofazimine		LC-MS (API 150)	Human Plasma	5 to 640 ng / mL	K ₂ EDTA	-		

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	736	Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	35 mg	
	737	Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.2 to 128 ng / mL	K ₂ EDTA	75 mg	
	738	Rivastigmine	LC-MS/MS (Thermo)	Human Plasma	0.3 to 63 ng / mL	K ₂ EDTA	Transdermal Patch 9.5 mg	
	739	Rosiglitazone	LC-MS/MS (API 3000)	Human Plasma	2 to 1024 ng / mL	Sodium heparin	8 mg	
	740	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.1 to 25 ng / mL	K ₂ EDTA	20 mg	
	741	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.5 to 100 ng / mL	K ₂ EDTA	40 mg	
Location : India								
INDIA	742	Rabeprazole	LC-MS/MS (API 3200)	Human Plasma	5 to 1000 ng / mL	K ₃ EDTA/ Heparin	20 mg	
	743	Rabeprazole	LC-MS/MS (API 4000)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	10 / 20 mg	
	744	Rabeprazole	LC-MS/MS (API 3200)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	10 / 20 mg	
	745	*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	-	
	746	*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	-	
	747	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	-	
	748	*Ramipril	LC-MS/MS (API 3200)	Human Plasma	0.2 to 150 ng / mL	Heparin	15 mg	
	749	*Ramipril	LC-MS/MS (API 3200)	Human Plasma	0.05 to 40 ng / mL	Heparin	2.5 mg / 5 mg	
	750	Ranolazine	LC-MS/MS (Waters QPXE)	Human Plasma	5 to 2500 ng / mL	K ₂ EDTA	1000 mg	
751	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
752	Ranitidine	HPLC-UV	Human Plasma	25 to 1500 ng / mL	K ₂ EDTA / Heparin	300 mg	
753	Ranitidine	LC-MS/MS (API 2000)	Human Plasma	5 to 600 ng / mL	K ₂ EDTA / Heparin	75 mg	
754	Rasagiline	LC-MS/MS (Waters QPXE)	Human Plasma	40 to 14000 pg / mL	K ₂ EDTA	1 mg	
755	Repaglinide	LC-MS/MS (API 3200)	Human Plasma	0.25 to 30 ng / mL	K ₂ EDTA	2 mg	
756	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	
757	Rifaximin	LC-MS/MS (Thermo)	Human Plasma	25 to 15000 pg / mL	K ₂ EDTA	550 mg	
758	Rifaximin	LC-MS/MS (Thermo)	Human Plasma	0.05 to 100 ng / mL	K ₂ EDTA	550 mg	
759	Rivaroxaban	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 600 ng / mL	K ₂ EDTA	10 mg / 20 mg	
760	*Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.1 to 80 ng / mL	Heparin	35 mg	
761	*Risedronate	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	30 to 80000 pg / mL	Sodium heparin	35 mg	
762	*Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.5 to 160 ng / mL	Heparin	75 mg	
763	*Risedronate	LC-MS/MS (Thermo)	Human Plasma	0.5 to 250 ng / mL	Heparin	150 mg	
764	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	-	
765	Rizatriptan	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 60 ng / mL	K ₂ EDTA	10 mg	
766	Rupatadine	LC-MS/MS (API 3200)	Human Plasma	0.05 to 10 ng / mL	K ₂ EDTA	10 mg	
767	Ropinirole	LC-MS/MS (API 3200)	Human Plasma	0.05 to 10 ng / mL	K ₂ EDTA	2 mg	
768	Ropinirole	LC-MS/MS (API 4000)	Human Plasma	10 to 3000 pg / mL	K ₂ EDTA	0.25 mg	
769	Rosiglitazone	LC-MS/MS (API 2000)	Human Plasma	15 to 900 ng / mL	K ₂ EDTA	8 mg	
770	Rosiglitazone	LC-MS/MS (API 2000)	Human Plasma	5 to 500 ng / mL	K ₂ EDTA	4 mg	
771	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K ₂ EDTA	5 mg / 10 mg	
772	Rosuvastatin	LC-MS/MS (Thermo)	Human Plasma	0.15 to 60 ng / mL	K ₂ EDTA	20 mg	
773	Rosuvastatin	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 150 ng / mL	K ₂ EDTA	40 mg	
774	Roxithromycin	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 13500 ng / mL	K ₂ EDTA	150 mg	

INDIA

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
S							
Location : Canada							
CANADA	775	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	-
	776	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	-
	777	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	-
	778	Sirolimus	LC-MS/MS (API 3000)	Human Whole Blood	0.4 to 51 ng / mL	K ₂ EDTA	2 mg
	779	Sitagliptin	LC-MS/MS (Thermo)	Human Plasma	1 to 512 ng / mL	K ₂ EDTA	100 mg
	780	Sotalol	HPLC - Fluorescence	Human Plasma	10 to 2560 ng / mL	heparin	-
	781	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
	782	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	-
	783	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
	784	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	-
	785	Sumatriptan	LC-MS/MS (API 300 or 3000)	Human Plasma or Pig Plasma	0.5 to 128 ng / mL	K ₃ EDTA	-

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Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
Location : India							
786	*Salmeterol	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	2 to 200 pg / mL	K ₂ EDTA	50 mcg	
787	*Sapropterin	LC-MS/MS (Thermo)	Human Plasma	1.5 to 250 ng / mL	Sodium heparin	10 mg / kg	
788	Secnidazole	LC-MS/MS (API 3200)	Human Plasma	0.2 to 40 µg / mL	K ₂ EDTA	1 gm	
789	Sertraline	LC-MS/MS (API 3200)	Human Plasma	1 to 100 ng / mL	Sodium Heparin	100 mg	
790	Sertraline	LC-MS/MS (Waters QPXE)	Human Plasma	0.5 to 40 ng / mL	Heparin	50 mg	
791	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	-	
792	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	-	
793	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	-	
794	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	-	
795	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	-	
796	Simvastatin	LC-MS/MS (Thermo)	Human Plasma	30 to 15000 pg / mL	Sodium heparin	10 mg	
797	Sirolimus	LC-MS/MS (Waters QPXE)	Human Blood	0.15 to 25 ng / mL	K ₂ EDTA	2 mg	
798	Sirolimus	LC-MS/MS (Waters XEVO)	Human Blood	40 to 12000 pg / mL	K ₂ EDTA	0.5 mg	
799	Solifenacin	LC-MS/MS (API 3200)	Human Plasma	0.5 to 25 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	
INDIA	800	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	-	
	801	Spironolactone	LC-MS/MS (API 4000)	Human Plasma	0.1 to 75 ng / mL	K ₂ EDTA	25 mg	
	802	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	
	803	Sumatriptan	LC-MS/MS (API 2000)	Human Plasma	1 to 100 ng / mL	Heparin	100 mg	
T								
Location : Canada								
CANADA	804	Tacrolimus	LC-MS/MS (Thermo)	Human Whole Blood	0.2 to 25 ng / mL	K ₂ EDTA	0.5 to 4 mg	
	805	Tamoxifen	LC-MS/MS (API 3000)	Human Plasma	0.25 to 64 ng / mL	K ₂ EDTA	20 mg	
	806	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	-	
	807	Tamsulosin	LC-MS/MS (Thermo)	Human Plasma	0.05 to 25 ng / mL	K ₂ EDTA	-	
	808	Temazepam	LC-MS/MS (API 3000)	Human Plasma	4 to 1024 ng / mL	K ₂ EDTA	30 mg	
	809	Terazosin	HPLC - Fluorescence	Human Plasma	0.5 to 64 ng / mL	Heparin	-	
	810	Terbinafine	HPLC-UV	Human Plasma	0.01 to 2.5 µg / mL	K ₃ EDTA	250 mg	
	811	Testosterone	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 25 ng / mL	K ₂ EDTA	1% gel	
	812	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	-	
	813	Tetracycline	LC-MS/MS (Thermo)	Human Plasma	200 to 20000 ng / mL	K ₂ EDTA	500 mg	Yes
	814	Theophylline	HPLC-UV	Human Plasma	0.15 to 19 µg / mL	K ₃ EDTA	-	
	815	Ticlopidine	HPLC-UV	Human Plasma	10 to 1280 ng / mL	K ₃ EDTA	-	
	816	Topiramate	LC-MS/MS (API 3000)	Human Plasma or Dog Plasma	5 to 2560 ng / mL	Sodium heparin	50 mg	

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
CANADA	817	Topiramate	LC-MS/MS (API 3000)	Human Plasma	50 to 12800 ng / mL	Sodium heparin	200 mg	
	818	Torsemide	LC-MS/MS (API 300 or 3000)	Human Plasma	10 to 10240 ng / mL	K ₃ EDTA	-	
	819	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	-	
	820	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	-	
	821	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	-	
	822	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	-	
	823	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	-	
	824	Trazodone	HPLC - Fluorescence	Human Plasma	10 to 2560 ng / mL	Heparin	-	
	825	Triamcinolone acetonide	LC-MS/MS (Thermo)	Human Plasma	0.025 to 6.4 ng/mL	K ₂ EDTA	10 mg/mL	
	826	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	-	

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
Location : India							
827	Tacrolimus	LC-MS/MS (Thermo)	Human Whole Blood	40 to 12000 pg / mL	K ₂ EDTA	0.5 mg	
828	Tacrolimus	LC-MS/MS (Waters QPXE)	Human Blood	40 to 12000 pg / mL	K ₂ EDTA	0.5 mg / 1 mg	
829	Tacrolimus	LC-MS/MS (Waters QPXE)	Human Blood	0.25 to 100 ng / mL	K ₂ EDTA	5 mg	
830	*Tacrolimus	LC-MS/MS (Shimadzu 8060)	Human Blood	5 to 500 pg / mL	K ₂ EDTA	0.1 % gel	
831	Tadalafil	LC-MS/MS (Waters QPXE)	Human Plasma	4 to 1000 ng / mL	K ₂ EDTA	20 mg	
832	Tadalafil	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 500 ng / mL	K ₂ EDTA	10 mg	
833	Tadalafil	LC-MS/MS (Shimadzu 8040)	Human Plasma	1 to 200 ng / mL	K ₂ EDTA	5 mg	
834	Tamsulosin	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 50 ng / mL	K ₂ EDTA	0.4 mg	
835	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	
836	*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	
837	*Teicoplanin component (A 3)	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 250 µg/ mL	K ₂ EDTA	400 mg injection	
838	Telmisartan	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 1200 ng / mL	K ₂ EDTA	80 mg	
839	*Temozolomide	LC-MS/MS (Waters QPXE)	Human Plasma	100 to 20000 ng / mL	Heparin	250 mg	
840	*Temozolomide Metabolite (MTIC)	LC-MS/MS (Waters QPXE)	Human Plasma	3 to 600 ng/mL	Heparin	250 mg of Temozolomide	
841	Tenofovir	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 800 ng / mL	K ₂ EDTA	245 mg	
842	Tenofovir	LC-MS/MS (Waters QPXE)	Human Serum	3 to 800 ng / mL	NA	245 mg	
843	Tenofovir	LC-MS/MS (API 4000)	Human Plasma	2 to 800 ng / mL	K ₂ EDTA	245 mg	
844	Tenoxicam	HPLC-UV	Human Plasma	0.05 to 5 µg / mL	K ₂ EDTA / Heparin	20 mg	
845	*Tetranor-PGEM	LC-MS/MS (API 4000)	Human Urine	1 to 50 ng / mL	NA	NA	
846	Terbinafine	LC-MS/MS (API 2000)	Human Plasma	5 to 3000 ng / mL	K ₂ EDTA	250 mg	
847	Teriflunomide	LC-MS/MS (Waters QPXE)	Human Plasma	10 to 4000 ng / mL	K ₂ EDTA	14 mg	
848	Testosterone	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 25 ng / mL	K ₂ EDTA	1 % gel	

INDIA

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	849	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	-	
	850	Thalidomide (R & S)	LC-MS/MS (Waters QPXE)	Human Plasma	2 to 600 ng / mL	K ₂ EDTA	50 mg	
	851	Thiorphan	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 160 ng / mL	K ₂ EDTA	30 mg of Racecadotril	
	852	*Thromboxane B2	LC-MS/MS (Shimadzu 8040)	Human Urine	0.2 to 20 ng / mL	Not applicable	NA	
	853	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	-	
	854	Tofacitinib	LC-MS/MS (API 4000)	Human Plasma	0.2 to 100 ng / mL	K ₂ EDTA	5 mg	
	855	Tolterodine	LC-MS/MS (Waters QPXE)	Human Plasma	20 to 10000 pg / mL	Sodium heparin	4mg	
	856	Tolterodine	LC-MS/MS (Waters XEVO TQ-S)	Human Plasma	20 to 10000 pg / mL	Sodium heparin	4 mg	
	857	Tolterodine	LC-MS/MS (Waters QPXE)	Human Plasma	50 to 30000 pg / mL	Sodium heparin	4 mg (steady state)	
	858	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	-	
	859	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	-	
	860	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	-	
	861	Topiramate	LC-MS/MS (API 3200)	Human Plasma	50 to 4000 ng / mL	Heparin	50 / 100 mg	
	862	Topiramate	LC-MS/MS (API 3200)	Human Plasma	10 to 600 ng / mL	Heparin	25 mg	
	863	Topiramate	LC-MS/MS (API 3200)	Human Plasma	50 to 7000 ng / mL	Sodium heparin	200 mg	
864	Torseמידe	LC-MS/MS (API 3200)	Human Plasma	10 to 6000 ng / mL	K ₂ EDTA	10 mg / 20 mg		
865	Tramadol	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 400 ng / mL	Heparin	37.5 mg / 50 mg		
866	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			

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	867	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	-	
	868	Trazodone	LC-MS/MS (API 3200)	Human Plasma	5 to 3000 ng / mL	K ₂ EDTA	100 mg	
	869	Triamcinolone Acetonide	LC-MS/MS (API 6500)	Human Plasma	5 to 2500 pg / mL	K ₂ EDTA	40 mg / mL	
	870	Trifluoperazine	LC-MS/MS (API 2000)	Human Plasma	0.05 to 10 ng / mL	CPD	-	
	871	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	-	
	872	Trimetazidine	LC-MS/MS (Waters QPXE)	Human Plasma	0.4 to 150 ng / mL	Heparin	35 mg	
	873	Trimetazidine	LC-MS/MS (Waters QPXE)	Human Plasma	0.4 to 250 ng / mL	Heparin	35 mg multiple dose	
	874	Trimethoprim	HPLC-UV	Human Plasma	0.025 to 2.5 µg / mL	CPD	50 mg	
	875	Trospium	LC-MS/MS (API 4000)	Human Plasma	25 to 12000 pg / mL	K ₂ EDTA	20 mg	
	876	Trospium	LC-MS/MS (API 4000)	Human Plasma	25 to 8000 pg / mL	K ₂ EDTA	30 mg	
877	Trospium	LC-MS/MS (API 4000)	Human Plasma	10 to 2500 pg / mL	K ₂ EDTA	60 mg		
U								
Location : Canada								
CANADA	878	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	-	

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
V								
Location : Canada								
CANADA	879	Valsartan	LC-MS/MS (API 3000)	Human Plasma	20 to 10240 ng / mL	K ₂ EDTA	160 mg	
	880	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	-	
	881	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	-	
	882	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	-	
	883	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	-	
	884	Verapamil	LC-MS/MS (Thermo)	Human Plasma	2 to 300 ng / mL	Sodium heparin	240 mg	Yes
		Norverapamil	LC-MS/MS (Thermo)	Human Plasma	2 to 175 ng / mL	Sodium heparin	-	Yes
	885	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	-	
	886	Vigabatrin	LC-MS (API 150)	Human Plasma	0.2 to 25 µg / mL	K ₂ EDTA	-	

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
Location : India								
INDIA	887	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	-	
	888	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	-	
	889	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	-	
	890	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	-	
	891	valganciclovir	LC-MS/MS (API 3200)	Human Plasma	2 to 320 ng / mL	K ₂ EDTA	450 mg	
	892	Valproic acid	HPLC-UV	Human Plasma	1 to 110 µg / mL	Heparin	500 mg	
	893	Valproic acid	LC-MS/MS (Waters QPXE)	Human Plasma	1 to 80 µg / mL	Sodium heparin	500 mg	
	894	Valsartan	LC-MS/MS (API 3200)	Human Plasma	20 to 2000 ng / mL	Heparin	40 mg	
	895	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 8000 ng / mL	Heparin	160 mg	
	896	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 8000 ng / mL	K ₂ EDTA	160 mg	
	897	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 20000 ng / mL	Sodium heparin	320 mg	
	898	Valsartan	LC-MS/MS (API 3200)	Human Plasma	50 to 20000 ng / mL	K ₂ EDTA	320 mg	
899	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		
900	Venlafaxine	LC-MS/MS (Waters QPXE)	Human Plasma	0.25 to 300 ng / mL	Sodium heparin	150 mg		

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method	
INDIA	901	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	-	
	902	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	-	
	903	Verapamil	HPLC - Fluorescence	Human Plasma	2 to 250 ng / mL	Heparin	-	
		Norverapamil	HPLC - Fluorescence	Human Plasma	2 to 250 ng / mL	Heparin	-	
	904	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	-	
	905	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	-	
		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	-	
	906	Vardenafil	LC-MS/MS (Waters QPXE)	Human Plasma	0.2 to 80 ng / mL	Sodium heparin	20 mg	
	907	Vilazodone	LC-MS/MS (Waters QPXE)	Human Plasma	0.1 to 40 ng / mL	K ₂ EDTA	10 mg	
	908	*Vitamin D3	LC-MS/MS (Thermo)	Human Plasma	0.25 to 20 ng / mL	K ₂ EDTA	5600 IU / 2600 IU	
	909	*Vitamin D3	LC-MS/MS (Thermo)	Human Plasma	1 to 200 ng / mL	K ₂ EDTA	40000 IU	
	910	Voriconazole	LC-MS/MS (API 3200)	Human Plasma	5 to 3000 ng / mL	K ₂ EDTA	200 mg	
911	Voriconazole	LC-MS/MS (API 3200)	Human Plasma	1 to 700 ng / mL	K ₂ EDTA	50 mg		
W								
CANADA	Location : Canada							
	912	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	-	

Lambda Therapeutic Research

SMALL MOLECULES

Sr. No.	Drug Name	Instrument	Matrix	Range	Anticoagulant	Dose	New / Modified Method
INDIA							
Location : India							
913	Warfarin	HPLC - Fluorescence	Human Plasma	10 to 750 ng / mL	Heparin	5 mg	
914	Warfarin	HPLC - Fluorescence	Human Plasma	20 to 2500 ng / mL	Heparin	10 mg	
Z							
CANADA							
Location : Canada							
915	Ziprasidone	LC-MS/MS (API 3000)	Human Plasma	0.125 to 64 ng / mL	K ₂ EDTA	5 mg	
916	Ziprasidone	LC-MS/MS (API 3000)	Human Plasma	0.5 to 256 ng / mL	K ₂ EDTA	40 mg	
917	Zolpidem	HPLC - Fluorescence	Human Plasma	1 to 512 ng / mL	K ₃ EDTA	10 mg	
INDIA							
Location : India							
918	Ziprasidone	HPLC - Fluorescence	Human Plasma	1.5 to 200 ng / mL	NA	40 mg	
919	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	-	
920	Zolpidem	LC-MS/MS (API 3200)	Human Plasma	1 to 300 ng / mL	K ₂ EDTA	10 mg	
921	Zonisamide	HPLC-UV	Human Serum	25 to 3000 ng / mL	NA	100 mg	

*: Premium method

Lambda Therapeutic Research

NEW CHEMICAL ENTITIES

(FULL NAME WITHHELD DUE TO CONFIDENTIALITY)

Sr. No.	Drug Name	Instrument	Matrix	LLOQ	Anticoagulant
Location : Canada					
1	New Chemical Entity - 1a	LC-MS/MS (Thermo)	Rat Plasma or Dog Plasma	0.5 ng / mL	Lithium heparin
	New Chemical Entity - 1b	LC-MS/MS (Thermo)	Rat Plasma or Dog Plasma	0.8 ng / mL	Lithium heparin
2	New Chemical Entity - 2	LC-MS/MS (Thermo)	Human Plasma	0.8 ng / mL	Lithium heparin
3	New Chemical Entity - 3a	LC-MS/MS (Thermo)	Dog cerebrospinal fluid	0.5 ng / mL	Lithium heparin
	New Chemical Entity - 3b	LC-MS/MS (Thermo)	Dog cerebrospinal fluid	0.8 ng / mL	Not applicable
4	New Chemical Entity - 4 (±)	HPLC - Fluorescence	Human Plasma	5 ng / mL	K ₂ EDTA
	New Chemical Entity - 4a (±)	HPLC - Fluorescence	Human Plasma	5 ng / mL	K ₂ EDTA
	New Chemical Entity - 4b (±)	HPLC - Fluorescence	Human Plasma	5 ng / mL	K ₂ EDTA
5	New Chemical Entity - 5	LC-MS/MS (Thermo)	Human Plasma	2.94 ng/mL	K ₂ EDTA
6	New Chemical Entity - 6	LC-MS/MS (Thermo)	Human Plasma	1.96 ng/mL	Not applicable
Location : India					
7	New Chemical Entity-01	LC-MS/MS (API 4000)	Human Plasma	5 ng / mL	K ₂ EDTA
8	New Chemical Entity-02	LC-MS/MS (API 4000)	Human Plasma	0.5 ng / mL	K ₂ EDTA
	N-Oxide of New Chemical Entity-02	LC-MS/MS (API 4000)	Human Plasma	0.5 ng / mL	K ₂ EDTA
9	New Chemical Entity-03	LC-MS/MS (API 4000)	Human Plasma	5 ng / mL	K ₂ EDTA
10	New Chemical Entity-04	LC-MS/MS (API 4000)	Human Plasma	10 ng /mL	K ₂ EDTA
11	New Chemical Entity-05	LC-MS/MS (API 4000)	Human Plasma	1 ng /mL	K ₂ EDTA & K ₃ EDTA
12	New Chemical Entity-06	LC-MS/MS (Waters 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 ASSESMENT

Sr. No.	Molecules
1	Screening Antibodies to Darbepoetin (Bridging ELISA)
2	Neutralising antibodies to Darbepoetin (Cell based Assay)
3	Screening Antibodies to Erythropoietin (Bridging ELISA)
4	Neutralising antibodies to Erythropoietin (Cell based Assay)
5	Screening Antibodies to Ranibizumab by (Bridging ELISA)
6	Screening antibodies to Rituximab (Affinity Capture and Elution based ELISA)
7	Screening Antibodies to Trastuzumab (Bridging ELISA)
8	Screening Antibodies to Denosumab (Bridging ELISA)

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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)



LAMBDA

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